

# **2017 Healthy Michigan Voices Survey Reports**

## **New Enrollee Survey Report and Follow-Up Survey Report**

**December 30, 2018**

**University of Michigan  
Institute for Healthcare Policy & Innovation**

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# 2017 Healthy Michigan Voices New Enrollee Survey Report

December 30, 2018

University of Michigan  
Institute for Healthcare Policy & Innovation

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## Executive Summary

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The University of Michigan Institute for Healthcare Policy & Innovation (IHPI) is conducting the evaluation of the Healthy Michigan Plan (HMP) as required by the Centers for Medicare & Medicaid Services (CMS) through a contract with the Michigan Department of Health and Human Services (MDHHS). Domain IV of the evaluation includes a series of surveys called *Healthy Michigan Voices*. This report presents findings from the 2017 *Healthy Michigan Voices* New Enrollee Survey. From June to December 2017, 607 individuals who had recently enrolled in HMP completed the survey. This report complements the in-depth qualitative interviews conducted in 2017 with individuals who were likely eligible for, but not enrolled in, HMP by examining the characteristics and early experiences of individuals who had recently enrolled in HMP.

### Methods

Sampling for the *Healthy Michigan Voices* New Enrollee Survey was performed in June 2017 (750 enrollees sampled) and September 2017 (1,000 enrollees sampled). Sampling was performed in two separate months to minimize bias from seasonal enrollment and employment.

At the time of sample selection, enrollees had to meet each of the following inclusion criteria:

- Initial HMP enrollment in fee for service (FFS) or managed care (MC) 5 months prior to sampling month
- HMP-MC enrollment for at least 2 months at the time of sampling
- No other Medicaid enrollment for 2 years prior to sampling
- Age between 19 years and 63 years
- Complete address, phone number, and federal poverty level (FPL) fields in the Data Warehouse
- Michigan address
- Preferred language of English, Arabic, or Spanish

The sampling plan utilized the same combination of four grouped prosperity regions in the state (Upper Peninsula/North West/North East; West/East Central/East; South Central/South West/South East; Detroit) and three FPL categories (0-35%; 36-99%; ≥100%) as was used in the 2016 *Healthy Michigan Voices* Enrollee Survey. In total, 607 new enrollees had complete survey data. The weighted response rate for the *Healthy Michigan Voices* new enrollee survey was 41.0%.

Many items on the survey were drawn from established surveys. Items and scales for which established measures were not available, or which were specific to HMP (e.g., items about Health Risk Assessments, understanding of HMP), were previously developed based on findings from 67 semi-structured interviews with HMP enrollees, cognitively tested, and used in the 2016 *Healthy Michigan Voices* Enrollee Survey. Responses were recorded using computer-assisted telephone interviewing software, programmed with the survey questions.

Descriptive statistics were generated for responses to all questions, with survey weights calculated and applied to adjust for the probability of selection, nonresponse, and other factors. Bivariate and multivariate analyses were also performed.

## Results

### New enrollee characteristics

- 70.2% had incomes between 0-35% FPL.
- 62.6% were men.
- 55.1% were employed; 52.7% of these were employed full-time.
- 87.3% had at least a high school diploma or equivalent.
- 21.8% had housing insecurity (three or more places lived in the past 3 years) and 13.4% had been homeless in the past 12 months.

**Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.**

### *Current health status and chronic health conditions*

- 30.7% reported fair or poor health.
- 66.8% reported having at least one chronic condition; 41.2% reported having two or more.

**Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.**

### *Knowledge and understanding of HMP cost-sharing requirements and healthy behavior rewards*

- 16.9% said they did not receive any information about how much they would need to pay for HMP.
- 30.0% thought they could be disenrolled from HMP for failing to pay their bill and 52.3% were unsure.
- When asked about ways they could reduce the amount they have to pay, most new enrollees (96.4%) did not mention any. When asked specifically about whether they could get a reduction in the amount they have to pay if they complete a health risk assessment, 33.1% said yes, while 56.2% said they did not know.
- 86.0% strongly agreed or agreed that getting discounts on copays and premiums as a reward for working on improving your health is a good idea.
- 68.0% were aware that some kinds of visits, tests, and medicines have no copays.

### *Knowledge and understanding of HMP covered benefits*

- The majority of new enrollees knew that HMP covers prescription medications (85.9%), dental care (63.8%), and counseling for mental or emotional problems (53.6%). Nearly half knew that HMP covers birth control or family planning (48.9%) and eyeglasses (48.5%). Less than half knew that HMP covers substance use treatment (42.4%) and treatment to stop smoking (34.7%).

- New enrollees were less knowledgeable about HMP covered benefits and costs than enrollees surveyed in 2016 who had been enrolled for at least one year.

#### *Challenges using HMP coverage*

- About 1 in 6 new enrollees (15.9%) reported that they had questions or difficulties using their HMP coverage.

### **Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.**

#### *Regular source of care prior to HMP*

- In the 12 months before enrolling in HMP, 63.5% reported having a place they would usually go for health care. Of those, 57.3% said that place was a doctor's office, 13.1% a clinic, 18.0% an urgent care, and 9.3% reported the emergency room.
- New enrollees were less likely to have a regular source of care prior to HMP enrollment compared to enrollees surveyed in 2016 who had been enrolled for at least one year.

#### *Forgone health care prior to HMP*

- In the 12 months before enrollment, 20.4% reported not getting health care they needed; 63.4% attributed this to lack of insurance coverage and 24.5% attributed this to cost.

#### *Forgone dental care prior to HMP*

- In the 12 months before enrollment, 34.7% reported not getting dental care they needed; 64.8% attributed this to lack of insurance coverage and 29.8% attributed this to cost.
- New enrollees with chronic conditions were more likely than those without to have forgone dental care prior to HMP enrollment (38.9% vs. 26.3%).

#### *Financial consequences of health care prior to HMP*

- Nearly half (44.8%) said they had problems paying medical bills in the 12 months before enrollment. Of those, 72.4% reported being contacted by a collections agency.
- New enrollees with chronic conditions were more likely than those without to report problems paying medical bills prior to HMP enrollment (51.0% vs. 32.3%).

### **Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.**

#### *Health risk assessment*

- New enrollees were asked how they completed the first section of the HRA and most commonly reported that they filled it out themselves (39.6%).
- Of those who reported completing the first section of the HRA, 48.7% said they discussed the HRA with their doctor or someone at their primary care provider's office.
- Among new enrollees who discussed the HRA with their doctor or someone at their primary care provider's office, 63.9% reported that it taught them something about their

health, 87.1% reported that it helped their PCP better understand their health needs, and 87.9% reported that it motivated them to be more responsible for their health.

**Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.**

*Not applicable to the new enrollee survey.*

**Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.**

*Not applicable to the new enrollee survey.*

**Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.**

#### ***Insurance status prior to HMP***

- 47.9% were uninsured for all 12 months prior to HMP enrollment, 24.2% were uninsured for some of the 12 months, and 27.9% were insured for all 12 months prior to HMP enrollment. There were no statistically significant relationships between new enrollees' insurance status in the 12 months prior to HMP enrollment and their FPL or employment status.
- The most commonly reported reasons why new enrollees were without insurance for some or all of the 12 months prior to enrollment included: not having a job (30.2%), it was too expensive (non-specific) (24.3%), their job does not offer insurance (13.2%), and other reasons (14.3%) that commonly included personal life changes such as moving across states, aging off of parent's policy, divorce, imprisonment, etc.

#### ***Reasons for not applying to HMP***

- Among new enrollees who reported being without insurance for two months or more in the 12 months prior to enrollment, 32.3% said there was a time when they knew about HMP but did not apply.
- The most commonly reported reasons for not applying included: thinking they were not eligible (33.7%), they did not get around to it (33.2%), and because they were healthy or did not need care (16.3%). Fewer new enrollees said the process was too burdensome (7.4%), they did not need health insurance (4.6%), did not want to be on a government program (3.5%), or provided some other reason or said they did not know why (8.4%).
- Very few new enrollees (1.0%) said the reason they did not apply was because they did not like a certain feature of HMP.

#### ***Applying for HMP***

- New enrollees reported applying for HMP because they lost their other health insurance (29.6%); had a medical condition that needed care (19.2%); it was suggested and/or they were signed up at the ER, hospital, or another place (15.2%); they needed some form of health insurance (15.0%); or for some other reason (21.5%).

- Few new enrollees (4.9%) reported that they had problems with the HMP application and enrollment process.
- Almost half (45.2%) said they tried to keep their existing doctor or clinic when they chose their health plan and primary care provider. Of those, 82.0% said they were able to keep their doctor or clinic.

## Conclusions

Prior to enrolling in HMP, many new enrollees lacked health insurance coverage and experienced difficulties paying for and getting the care they needed. Nearly three in four had a period without health insurance in the 12 months prior to HMP enrollment, most often because they did not have a job, they had a job that did not offer health insurance, health insurance was too expensive, or because of personal life changes. Nearly half reported having problems paying medical bills before HMP and most of those had been contacted by a collections agency. One in five new enrollees reported not getting the health care they needed in the 12 months before enrolling in HMP, usually because of cost. New enrollees with chronic conditions were more likely than those without to report problems paying medical bills and to have forgone dental care prior to HMP enrollment.

Additionally, only one in three new enrollees felt their health was excellent or very good, and two in three reported having a chronic condition. Many had housing instability, including homelessness, and/or challenges related to health literacy. Most new enrollees who reported being unable to work said it was due to poor health or disability. New enrollees over 50 were less likely than younger enrollees to be employed.

Just one in three new enrollees who lacked insurance before enrollment reported there being a time when they knew about HMP but did not apply, indicating that an important obstacle for those who may be eligible but not enrolled is a lack of awareness of HMP. Since a third of those who were aware of HMP thought they would not be eligible for the program, a misunderstanding of the eligibility requirements for HMP is another common barrier to enrollment.

New enrollees' stated reasons for enrolling in HMP varied. The most common reasons were losing other health insurance, having a medical condition that needed care, and enrollment being suggested or facilitated by an ER, hospital, or another place. New enrollees reported few, if any, challenges during the application and enrollment process. More than four in five of those who tried to keep their existing doctor or clinic were able to do so.

## Recommendations

As noted in this report, lack of awareness of HMP and understanding of eligibility requirements were barriers to enrollment. Continued outreach and education to those who may be newly eligible for HMP could result in individuals experiencing fewer gaps in health insurance coverage. Gaps in health insurance coverage, as we saw in this survey and previous surveys, can lead to forgone care and financial problems. Outreach and education efforts should take

into account the complex health and social needs (e.g. housing instability and limited health literacy) reported by many new enrollees.

Over half of new enrollees were employed, and about half of those were employed full-time. Over a third of those who were not employed said they were unable to work, often due to poor health or disability. Sufficient time should be provided to address health needs that present barriers to employment and supportive resources should be made available to those who are required to meet the workforce engagement requirements. Sufficient time should be allowed and processes should be clearly communicated to enrollees who may apply for an exemption.

New enrollees reported few, if any, challenges with the application and enrollment process. Support to individuals provided during the process of enrolling in HMP seems to contribute to a smooth enrollment experience and should be continued.

## Introduction

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The University of Michigan Institute for Healthcare Policy & Innovation (IHPI) is conducting the evaluation of the Healthy Michigan Plan (HMP) as required by the Centers for Medicare & Medicaid Services (CMS) through a contract with the Michigan Department of Health and Human Services (MDHHS). Domain IV of the evaluation includes a series of surveys called *Healthy Michigan Voices*. This report presents findings from the 2017 *Healthy Michigan Voices* New Enrollee Survey. From June to December 2017, 607 individuals who had recently enrolled in HMP completed the survey. This report complements the in-depth qualitative interviews conducted in 2017 with individuals who were likely eligible for, but not enrolled in, HMP by examining the characteristics and early experiences of individuals who had recently enrolled in HMP.

## Methods

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### Survey design

The survey included established measures of demographics, health, access to care, and insurance status drawn from national surveys, including the National Health and Nutrition Exam Survey (NHANES),<sup>1</sup> the Health Tracking Household Survey (HTHS),<sup>2</sup> the National Health Interview Survey (NHIS),<sup>3</sup> the Behavioral Risk Factor Surveillance System (BRFSS<sup>4</sup> and MiBRFSS<sup>5</sup>), the Short Form Health Survey (SF-12),<sup>6</sup> the Food Attitudes and Behaviors Survey,<sup>7</sup> the Consumer Assessment of Healthcare Providers and Systems (CAHPS),<sup>8</sup> the Employee Benefit Research Institute Consumer Engagement in Healthcare Survey (CEHCS),<sup>9</sup> the Commonwealth Fund Health Care Quality Survey,<sup>10</sup> and the U.S. Census. Items and scales for which established measures were not available, or which were specific to HMP (e.g., items about Health Risk Assessments, understanding of HMP), were previously developed based on findings from 67 semi-structured interviews with HMP enrollees from five target geographic regions across the state of Michigan (Detroit, Kent County, Midland/Bay/Saginaw Counties, Alcona/Alpena/Oscoda Counties, and Marquette/Baraga/Iron Counties) conducted by the evaluation team April to August 2015. New items underwent cognitive testing, and pre-testing for timing and clarity and many were used successfully in the 2016 *Healthy Michigan Voices* Enrollee Survey.<sup>11</sup>

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<sup>1</sup> [NHANES \(National Health and Nutrition Exam Survey, CDC\)](#)

<sup>2</sup> [HTHS \(Health Tracking Household Survey\)](#)

<sup>3</sup> [NHIS \(National Health Interview Survey, CDC\)](#)

<sup>4</sup> [BRFSS \(Behavioral Risk Factor Surveillance System, CDC\)](#)

<sup>5</sup> [MiBRFSS \(Michigan Behavioral Risk Factor Surveillance System, MDHHS\)](#)

<sup>6</sup> [SF-12 \(Short Form Health Survey, RAND\)](#)

<sup>7</sup> [FAB \(Food Attitudes and Behaviors Survey, NCI\)](#)

<sup>8</sup> [CAHPS \(Consumer Assessment of Healthcare Providers and Systems\)](#)

<sup>9</sup> [Consumer Engagement in Health Care Survey \(EBRI: CEHCS\)](#)

<sup>10</sup> [Commonwealth Fund Health Care Quality Survey](#)

<sup>11</sup> [Report on the 2016 Healthy Michigan Voices Survey](#)

## Survey administration

HMP enrollees selected to participate in the *Healthy Michigan Voices* New Enrollee Survey were mailed an introductory packet that contained a letter explaining the project, a brochure about the project, and a postage-paid postcard that could be used to indicate a preferred time/day for interview or refusal to participate. The letter also provided a toll-free number and email address for enrollees who wished to indicate a preferred time/day for interview or refusal to participate. For all sampled enrollees who did not refuse by one of those methods, *Healthy Michigan Voices* interviewers placed phone calls to sampled enrollees between the hours of 9 am and 9 pm. Surveys were conducted in English, Arabic and Spanish; enrollees who could not speak one of those languages were excluded from participation. Responses were recorded using computer-assisted telephone interviewing software, programmed with the survey questions.

At the outset of the survey, enrollees were informed that their individual responses would be kept confidential; only aggregate data would be reported to the state. They were also informed that completing the survey was voluntary and that they could skip questions if they wished. Those who completed the survey were mailed a \$25 gift card to compensate them for their time spent answering the survey questions. The average duration of time it took to complete the survey was 14.5 minutes; the time to complete the survey ranged from 8 to 40 minutes.

## Survey population and inclusion criteria

Sampling for the *Healthy Michigan Voices* New Enrollee Survey was performed in June 2017 (750 enrollees sampled) and September 2017 (1,000 enrollees sampled). Sampling was performed in two separated months to minimize bias from seasonal enrollment and employment. A separate sample was selected in May 2017 (200 sampled enrollees) and used exclusively for pilot testing of the survey instrument and contact methodology; pilot test responses were not included in the final results.

At the time of sample selection, enrollees had to meet each of the following inclusion criteria:

- Initial HMP enrollment in fee for service (FFS) or managed care (MC) 5 months prior to sampling month
- HMP-MC enrollment for at least 2 months at the time of sampling
- No other Medicaid enrollment for 2 years prior to sampling
- Age between 19 years and 63 years
- Complete address, phone number, and federal poverty level (FPL) fields in the Data Warehouse
- Michigan address
- Preferred language of English, Arabic, or Spanish

Eligibility was determined independently for June 2017 and September 2017 samples. Data extraction was performed via a secure Virtual Private Network (VPN) connection by a data analyst with specific approval from MDHHS for this purpose, using existing protocols that require two layers of password protection. The June 2017 and September 2017 samples were drawn to reflect the target sampling plan.

## Sampling plan

The sampling plan utilized the same combination of four grouped prosperity regions in the state (Upper Peninsula/North West/North East; West/East Central/East; South Central/South West/South East; Detroit) and three FPL categories (0-35%; 36-99%; ≥100%) as was used in the 2016 *Healthy Michigan Voices* Enrollee Survey. Inclusion criteria for the new enrollee survey were applied to the Medicaid population in May 2017, allocated to these 12 strata. The eligible population for the new enrollee survey was substantially different than the eligible population for the 2016 *Healthy Michigan Voices* Enrollee Survey, specifically the large proportion (67.0%) in the lowest-income strata, with 29.6% of the total eligible population in the Detroit region in the lowest income strata. To achieve a more balanced eligible population, five constraints were placed in the sample design:

- a. Keeping the minimum stratum-level sample size at 50 across all strata
- b. Keeping the maximum stratum-level sample size of the 0-35% FPL income group at 110 for West/East Central/East Region, 100 for South Central/South West/South East Region, and 150 for Detroit Region
- c. Keeping the maximum stratum level sample size at 90 for the strata inapplicable to the constraint b above
- d. Keeping the minimum sample size at 300 per income group
- e. Keeping the maximum sample size at 350 per region

The table below shows the target proportion of each stratum in the sample. Under this design, the expected design effect was 1.344.<sup>12</sup>

	Prosperity Region				
	UP/NW/NE	W/EC/E	SC/SW/SE	DET	Total
<b>Federal Poverty Level</b>					
0-35%	5.0%	10.7%	9.3%	15.0%	40.0%
36-99%	5.0%	9.0%	7.0%	9.0%	30.0%
≥100%	5.0%	9.0%	7.0%	9.0%	30.0%
<b>Total</b>	<b>15.0%</b>	<b>28.7%</b>	<b>23.3%</b>	<b>33.0%</b>	<b>100.0%</b>

Our monthly sample was drawn using the proportions above. A total of 1,750 enrollees on the frame were selected. The 607 respondents with complete survey data closely mirror the sampling plan above.

<sup>12</sup> Design effect indicates the magnitude of the increase in variance due to the sampling method, compared to what you would expect with simple random sampling. The value of the design effect indicates that our design requires a sample size 1.344 times bigger than what it would need to be for the same confidence intervals with simple random sampling.

### Characteristics of the 607 new enrollee survey respondents

	Prosperity Region				
	UP/NW/NE	W/EC/E	SC/SW/SE	DET	Total
<b>Federal Poverty Level</b>					
0-35%	28	62	60	89	239
	4.6%	10.2%	9.9%	14.7%	39.4%
36-99%	35	50	42	65	192
	5.7%	8.2%	6.9%	10.7%	31.6%
≥100%	32	51	49	44	176
	5.3%	8.4%	8.1%	7.2%	29.0%
Total N complete	95	163	151	198	607
Total % complete	15.7%	26.9%	24.9%	32.6%	100.00%

### Survey response characteristics

A total of 1,750 enrollees on the frame were selected and attempted for an interview. Some numbers did not work, hence, no contact was established; some numbers worked but no contact was ever established, so we were unable to ascertain eligibility; and other numbers worked and contact was established. We summarize the results briefly as follows:

**Table 1. Call results to sampled individuals**

Description	n	%
<b>Response (I)</b>	607	34.7
<b>Nonresponse</b>	462	26.4
Refusal (R)	168	9.6
Noncontact, Other NR (NC,O)	286	16.3
Partial complete (P)	8	0.5
<b>Ineligible</b>	117	6.7
<b>Unknown eligibility (UN)</b>	458	26.2
<b>Nonworking phone number</b>	106	6.1
<b>Total</b>	1,750	100.0

There are many ways to calculate response rates as outlined by the American Association for Public Opinion Research (AAPOR, 2016<sup>13</sup>). Response rate formula 3 defined below is one of the common formulas used, particularly for telephone surveys.

$$RR3 = \frac{I}{(I + P) + (R + NC + O) + e \times UN}$$

where  $e$  is an estimate eligibility rate for the cases for which we cannot ascertain eligibility. One way to estimate  $e$  is to use our call results among those we established contact with. Hence,

<sup>13</sup> The American Association for Public Opinion Research. 2016. Standard Definitions: Final Dispositions of Case Codes and Outcome Rates for Surveys. 9th edition. AAPOR. Access from [http://www.aapor.org/AAPOR\\_Main/media/publications/Standard-Definitions20169theditionfinal.pdf](http://www.aapor.org/AAPOR_Main/media/publications/Standard-Definitions20169theditionfinal.pdf)

$$e = \frac{607 + 462}{607 + 462 + 117} = 90.1\%$$

This means that the observed eligibility rate was 90.1% among the cases where we were able to ascertain eligibility. By applying  $e$  as estimated above, we obtain the following response rate:

$$RR3 = \frac{607}{(607 + 8) + (168 + 286) + .901 \times 458} = 41.0\%$$

The weighted response rate was calculated to ascertain the response rate that is not subject to the sample design. We used the selection weight ( $w_1$  described shortly) to the RR3 formula and used weights applicable for known eligibility cases ( $w_3$  described shortly) to  $e$ , the estimated eligibility rate. The results are as follows:

$$\begin{aligned} \text{weighted } e &= 89.7\% \\ \text{Weighted RR3} &= 41.0\% \end{aligned}$$

Thus, the weighted response rate for the *Healthy Michigan Voices* new enrollee survey was 41.0%.

In order to assess potential nonresponse bias, respondents are compared to those who refused, were not contacted (“NC”), did not complete for other reasons (“O”) or completed partially (“P”) in Table 2 on age, gender, race/ethnicity, income level, and prosperity region from the MDHHS Data Warehouse enrollment data as well as sampling month. Further, in order to compensate for differential selection probabilities, nonworking telephone rates and ineligibility rates, this comparison used estimates weighted by  $w_4$ .

Overall, nonrespondents and respondents were different in the age and sex distribution: new enrollees in the youngest age group (19-34 years old) and male new enrollees were significantly less likely to respond than their counterparts. Race/ethnicity, cohort, sampling stratum, FPL, and region were distributed similarly between respondents and nonrespondents.

**Table 2. Comparison of characteristics of new enrollee survey respondents and nonrespondents using frame data**

Characteristics	Respondents N=607 (%)	Nonrespondents N=462 (%)	<i>p</i> value
<b>Age</b>			
19-34	35.3%	46.5%	<0.001
35-50	26.7%	28.0%	
51-64	38.1%	25.5%	
<b>Gender</b>			
Male	55.7%	69.7%	<0.001
Female	44.3%	30.3%	

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<b>Race/Ethnicity</b>			
Hispanic	2.8%	4.7%	0.147
Non-Hispanic White	59.0%	52.7%	
Non-Hispanic Black	19.7%	19.0%	
Non-Hispanic Other	18.5%	23.6%	
<b>Sampling Month (Cohort)</b>			
June 2017	50.4%	51.8%	0.714
September 2017	49.6%	48.2%	
<b>Income (% FPL)</b>			
0-35% FPL	70.1%	70.4%	0.965
36-99% FPL	17.3%	16.8%	
100-133% FPL	12.5%	12.7%	
<b>Prosperity Region</b>			
Northern Michigan	9.4%	9.7%	0.272
Central Michigan	27.5%	28.6%	
Southern Michigan	24.5%	18.8%	
Detroit Metro	38.7%	42.9%	

## Weighting adjustment

Weights were calculated to adjust for the probability of selection (see Base Selection Weight, below), nonresponse bias (see Nonresponse Adjustment) and other adjustments (Nonworking Number adjustment, Unknown Eligibility adjustment, Known Eligibility adjustment). Note the sample was drawn independently during June 2017 and September 2017 using the same target sampling plan. We treat samples from these two points belonging to separate “cohorts” and develop weight accordingly.

### Base Selection Weight

Reflecting the sample design, the first step uses an inverse of sampling probability and calculates selection weights for sample unit  $i$  in cohort  $c$  in sampling stratum  $h$  as follows:

$$w_{1,hci} = \frac{N_{hc}}{n_{hc}}$$

where  $N_{hc}$  is the population size and  $n_{hc}$  is the sample size. Note that  $N_{cohort1} = 3,424$ ,  $N_{cohort2} = 3,287$ ,  $n_{cohort1} = 750$ , and  $n_{cohort2} = 1,000$ .

We make adjustment for nonworking numbers, ineligible cases, unknown eligibility cases and nonresponse (noncontacts and refusal combined) separately as follows.

### Nonworking Number Adjustment

We use the following adjustment,  $f_{2,hci}$ , factor for nonworking numbers considered out of our target population.

$$f_{2,hci} = \begin{cases} 0, & \text{if } i \text{ is not working number} \\ \frac{\sum_i w_{1,hci}}{\sum_i I_{WR_i} \times w_{1,hci}}, & \text{if } i \text{ is a working number} \end{cases}$$

where  $I_{WR_i}$  is a 1/0 indicator for working number status (1: working number, 0: nonworking number). The resulting weight is:

$$w_{2,hci} = f_{2,hci} \times w_{1,hci}$$

#### Unknown Eligibility Adjustment

Besides the nonworking numbers, there were working numbers with whom contact was not established. With these cases, the eligibility could not be ascertained. Moreover, the eligibility rate may have differed systematically across strata and cohort. Thus, a new adjustment factor was applied to the weight from the previous stage:

$$f_{3,hci} = \begin{cases} 0, & \text{if eligibility is unknown for } i \\ \frac{\sum_i w_{2,hci}}{\sum_i I_{UE_i} \times w_{2,hci}}, & \text{if eligibility is known for } i \end{cases}$$

where  $I_{UE_i}$  is a 1/0 indicator for unknown eligibility status (1: known eligibility; 0: unknown eligibility). The resulting weight is:

$$w_{3,hci} = f_{3,hci} \times w_{2,hci}$$

#### Known Eligibility Adjustment

Among those who were contacted, some may not have been eligible for various reasons related to the eligibility criteria described previously. These cases fell outside of the target population and, hence, were removed through the following:

$$f_{4,hci} = \begin{cases} 0, & \text{if } i \text{ is ineligible} \\ \frac{\sum_i w_{3,hci}}{\sum_i I_{EL_i} \times w_{3,hci}}, & \text{if } i \text{ is eligible} \end{cases}$$

where  $I_{EL_i}$  is a 1/0 indicator for eligibility status (1: eligible; 0: ineligible). The resulting weight is:

$$w_{4,hci} = f_{4,hci} \times w_{3,hci}$$

#### Nonresponse Adjustment

Even though respondents and nonrespondents were mostly similar as shown in Table 2, when examining nonresponse separately for each sampling cohort, the September cohort showed more significant differences between respondents and nonrespondents. In addition to the differences by age and gender, stratum and region made a difference in that, in particular, individuals in the lowest income group in Detroit were less likely to respond than the

remainder (results not shown). Hence, we considered the following characteristics separately for each sampling cohort for nonresponse adjustment:

- Sex
- Age (19-34; 35-49; 50-64 years old)
- Race/ethnicity (Hispanic; Non-Hispanic White; Non-Hispanic Black; Non-Hispanic other)
- Stratum (FPL x Region)
- FPL
- Region

The nonresponse adjustment followed Lee and Valliant (2008)<sup>14</sup>, where a logistic regression model was used to predict response while controlling for differences in characteristics between respondents and nonrespondents. The predictors included age, sex, race/ethnicity, and sampling strata separately for each sampling cohort.

The adjustment factor,  $f_{5,ci}$ , is the inverse of response propensity predicted from the logistic regression. The resulting weight is:

$$w_{5,hci} = w_{4,hci} \times f_{5,ci}$$

### Post-stratification

The target population of the new enrollee survey were 6,711 ( $= N_{cohort1} + N_{cohort2}$ , defined previously), whose age, sex, race/ethnicity and sampling stratum are known from the warehouse data. Any potential discrepancies in these characteristics between the target population and the nonresponse adjusted sample are controlled in the post-stratification using iterative proportional fitting method. The resulting weight is  $w_{6,hci}$ . When using this post-stratified weight, the sample matches the target population perfectly with respect to age, sex, race/ethnicity and sampling stratum which combines FPL and region.

## **Analyses**

We generated descriptive statistics for responses to all questions in the survey, and present the weighted percentage with 95% confidence intervals (CIs) in Appendix A. Weights were applied to the data to adjust for the probability of selection, nonresponse bias, and other adjustments as described above. As a result, please note that the proportions included in this report reflect how the results we observed would apply to the eligible population of HMP enrollees (based on inclusion and exclusion criteria described on page 10). The number of individuals who responded to each survey question is noted in the tables in Appendix A. When N is less than 607, either some respondents missed that question or the question was part of a skip pattern and was therefore only asked of a subset of respondents based on their previous responses.

We examined bivariate relationships with age, gender, race/ethnicity, FPL group, and region for all single-response closed-ended questions (see Appendix A). Additional analyses were conducted to examine relationships between other selected variables of interest (see Appendix

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<sup>14</sup> Lee S, Valliant R. 2008. Weighting telephone samples using propensity scores. *Advances in Telephone Survey Methodology*. 170-183.

B). For all analyses of bivariate and multivariate relationships, the types of analysis, models, variables included and how they are defined or measured are included in Appendices A and B of this report. The specific tests are described in the table footnotes.

## Results

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This section includes key findings from descriptive and multivariate analyses. Some findings are not reported in text; see Appendix A and B for detailed results from all analyses.

Note: The superscript † indicates that respondents were able to provide multiple responses to the survey question.

### New enrollee characteristics

Few new enrollees (12.7%) had incomes 100-133% FPL, while most (70.2%) had incomes between 0-35% FPL. Nearly two in three new enrollees (62.6%) were men. One in twenty new enrollees (5.6%) were veterans. Nearly all new enrollees (87.3%) had at least a high school diploma or equivalent. (Appendix A Table 2.1)

Over half of new enrollees (55.1%) were employed. Most of those not employed had been out of work for less than a year (61.8%). While there were no statistically significant differences in overall employment rates by race/ethnicity, employed new enrollees who were Black were more likely than other groups to be working part-time and employed new enrollees who were Hispanic were more likely to be working full-time. New enrollees over age 50 were less likely than younger enrollees to be employed (37.5%), and more likely, if they were working, to be working part-time. (Appendix A Tables 2.3-2.3.1, 2.4.1)

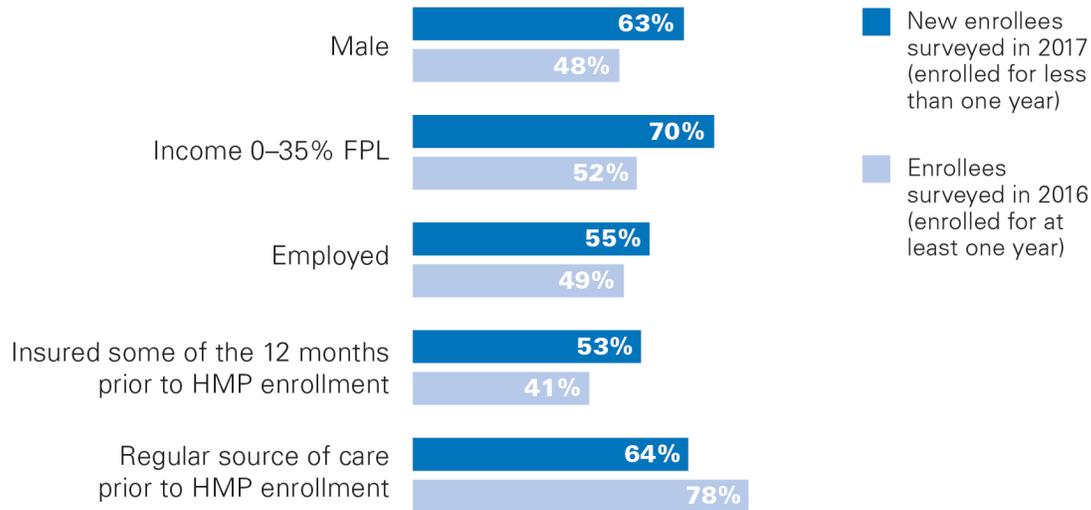
Those who were not employed most often reported being out of work (50.5%) or unable to work (36.7%); fewer reported being retired (6.0%), or not looking for work at this time (6.9%). Women were less likely to report being out of work and more likely to report not looking for work at this time. New enrollees over age 50 were more likely to report being unable to work. Most new enrollees who reported being unable to work said that was due to poor health (70.1%) or disability (19.3%). (Appendix A Tables 2.4, 2.4.1.1)

More than one in five new enrollees (21.8%) had housing insecurity (i.e., they had lived three or more places in the past 3 years) while 13.4% had been homeless in the past 12 months. About one in six new enrollees (16.4%) sometimes, often, or always needed help reading instructions, pamphlets, or other written material from a doctor, pharmacy or health plan. (Appendix A Table 2.1)

Compared to enrollees surveyed in 2016 who had been enrolled for at least one year, new enrollees surveyed in 2017, who had been enrolled for less than one year, were more often male (62.6% vs. 48.4%), between 0-35% FPL (70.2% vs. 51.8%), employed (55.1% vs. 48.8%), veterans (5.6% vs. 3.4%), and insured at some time during the 12 months prior to enrollment (53.1% vs. 40.7%). Compared to enrollees surveyed in 2016 who had been enrolled for at least one year,

fewer new enrollees had a regular source of care prior to HMP enrollment (63.5% vs. 78.3%), were Arab, Chaldean, Middle Eastern ethnicity (3.8% vs. 6.2%), and fewer had another household member with HMP (27.8% vs. 35.7%). (Appendix B Table 1.1)

**New enrollees surveyed in 2017 were different** than enrollees surveyed in 2016.



**Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.**

**Current health status**

About one in three new enrollees (35.3%) reported that their health was excellent or very good. The health status of new enrollees surveyed in 2017 was similar to that of enrollees surveyed in 2016 who had been enrolled for at least one year. (Appendix A Table 3.1; Appendix B Table 1.1)

**Chronic health conditions**

Two in three new enrollees (66.8%) reported having at least one chronic condition; 41.2% reported having two or more. About the same percentage of new enrollees surveyed in 2017 had at least one chronic condition as enrollees surveyed in 2016. The most common chronic conditions<sup>†</sup> reported by new enrollees were mood disorder (30.5%), hypertension (28.5%), and arthritis or a related condition (21.4%). Fewer new enrollees reported that they had asthma (12.6%), diabetes (7.0%), or a heart condition or heart disease (6.0%). (Appendix A Tables 3.2-3.2.2; Appendix B Table 1.1)

There was no statistically significant relationship between the number of self-reported chronic conditions among new enrollees and their insurance status in the 12 months prior to HMP enrollment. (Appendix B Table 2.2)

## **Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.**

### **Knowledge and understanding of HMP cost-sharing requirements and healthy behavior rewards**

One in six new enrollees (16.9%) said they did not receive any information about how much they would need to pay for HMP. Those who did receive information reported receiving it from the following sources<sup>†</sup>: a letter or enrollment packet from the state or their health plan (55.6%), on the phone at enrollment (7.8%), a caseworker or another person who helped them enroll (7.4%), or some other source (9.0%). (Appendix A Table 4.1)

Nearly one in three new enrollees (30.0%) believed they could be disenrolled from HMP for not paying their bill and more than half (52.3%) were unsure. (Appendix A Table 4.3)

When asked about ways they could reduce the amount they have to pay, most new enrollees (96.4%) did not mention any<sup>†</sup>. When asked specifically about whether they could get a reduction in the amount they have to pay if they complete a health risk assessment, 33.1% said yes, while 56.2% said they did not know. (Appendix A Tables 4.2, 4.4)

The majority of new enrollees (86.0%) strongly agreed or agreed that getting discounts on copays and premiums as a reward for working on improving your health is a good idea. (Appendix A Table 4.6)

The majority of new enrollees (68.0%) were aware that some kinds of visits, tests, and medicines have no copays. (Appendix A Table 4.5)

### **Knowledge and understanding of HMP covered benefits**

The majority of new enrollees knew that HMP covers prescription medications (85.9%), dental care (63.8%), and counseling for mental or emotional problems (53.6%). Nearly half knew that HMP covers birth control or family planning (48.9%) and eyeglasses (48.5%). Less than half knew that HMP covers substance use treatment (42.4%) and treatment to stop smoking (34.7%). (Appendix A Tables 4.7-4.13)

There is room for improvement in new enrollees' **understanding of HMP covered benefits.**

HMP covers...	Covered	Don't know	Not covered
treatment to stop smoking	35%	57%	8%
substance use treatment	42%	54%	4%
birth control or family planning	49%	47%	4%
counseling for mental or emotional problems	54%	42%	4%
eyeglasses	49%	41%	10%
routine dental care	64%	29%	7%
prescription medications	86%	13%	1%

New enrollees were less knowledgeable about HMP covered benefits and costs than enrollees surveyed in 2016 who had been enrolled for at least one year, controlling for gender, age, race/ethnicity, and income. In multivariate analyses using 2016 enrollee survey data and 2017 new enrollee survey data that controlled for survey year, race/ethnicity, and FPL, those age 51-64 compared to those age 19-34, those 0-35% FPL compared to those 100-133% FPL, and women compared to men had better knowledge of HMP covered benefits and costs; level of education was not included in the model because it was not measured in 2016. (Appendix B Table 3.2.2)

### Challenges using HMP coverage

A minority of new enrollees (15.9%) reported that they had questions or difficulties using their HMP coverage. Among those who had questions or difficulties, the most commonly reported challenges† included: difficulty/inability finding a provider (48.6%), needing a service that was not covered (17.5%), and difficulty finding out information about HMP (13.5%). (Appendix A Tables 4.14-4.14.1)

### **Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.**

#### Regular source of care prior to HMP

In the 12 months before enrolling in HMP, 63.5% of new enrollees reported having a place they would usually go for a checkup, when they felt sick, or when they wanted advice about their health. Among new enrollees who reported having a place that they would go for health care in the 12 months before enrolling in HMP, 57.3% reported a doctor's office, 13.1% a clinic, 18.0% an urgent care, and 9.3% reported the emergency room as their regular source of care. New enrollees surveyed in 2017 were less likely to have a regular source of care prior to HMP enrollment compared to enrollees surveyed in 2016 (aOR=0.61), controlling for demographics,

health status, number of chronic conditions, and insurance status in the 12 months prior to HMP enrollment. (Appendix A Tables 5.1-5.1.1; Appendix B Table 4.1.1)

### Forgone health care prior to HMP

One in five new enrollees (20.4%) reported not getting the health care they needed in the 12 months before enrolling in HMP. Among new enrollees who reported not getting the health care they needed:

- the most commonly reported types of forgone health care† were primary care (61.1%) and prescription medications (21.4%); specialty care was mentioned by 12.7% and mental health care by 9.7%.
- the most commonly reported reasons for not getting the health care they needed‡, regardless of the type of health care, were not having insurance coverage (63.4%) and cost (24.5%). (Appendix A Tables 5.2-5.2.2)

In bivariate analyses, new enrollees with diabetes, cancer, or asthma were more likely than new enrollees without those conditions to report having forgone health care in the 12 months prior to enrollment. (Appendix B Table 4.2.1)

In bivariate analyses, those who were uninsured for all or some of the 12 months prior to HMP enrollment were more likely to report having forgone health care in the 12 months prior to enrollment than those who were insured for all 12 months (24.7% and 23.4%, respectively, vs. 10.4%). (Appendix B Table 4.2.1)

In multivariate analyses, being insured for all 12 months prior to HMP enrollment (aOR=0.31) or male (aOR=1.82 for women) made forgone care less likely in the 12 months prior to HMP enrollment (Appendix B Table 4.2.5)

Those who had **a period without health insurance prior to HMP** enrollment were more likely to report **forgone health care**.



### Forgone dental care prior to HMP

One in three new enrollees (34.7%) reported not getting the dental care they needed in the 12 months before enrolling in HMP. Among new enrollees who reported forgone dental care, the most commonly reported reasons for not getting the dental care they needed† were not having insurance coverage (64.8%) and cost (29.8%). (Appendix A Tables 5.3-5.3.1)

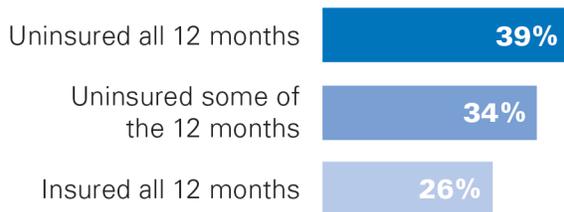
In bivariate analyses, there was no statistically significant relationship between new enrollees' reports of forgone dental care prior to HMP enrollment and their insurance status in the 12 months prior to HMP enrollment. (Appendix B Table 4.2.2)

In bivariate analyses, new enrollees with chronic conditions were more likely than those without chronic conditions to have forgone dental care in the 12 months prior to HMP enrollment (38.9% vs. 26.3%). New enrollees with hypertension, diabetes, and arthritis or a related condition were more likely than new enrollees without those conditions to have forgone dental care prior to HMP enrollment. (Appendix B Table 4.2.2)

In multivariate analyses, those with a chronic condition (aOR=1.96) were more likely to have forgone dental care in the 12 months prior to HMP enrollment, while new enrollees who were insured all 12 months prior to HMP enrollment were less likely than those who were uninsured all 12 months to have forgone dental care during those 12 months (aOR=0.55). (Appendix B Table 4.2.5)

Those who had **a period without health insurance prior to HMP** enrollment were more likely to report **forgone dental care**.

Those with **chronic conditions** were more likely to report **forgone dental care**.



### Financial consequences of health care prior to HMP

In the 12 months before enrolling in HMP, nearly one in five new enrollees (18.4%) spent over \$500 out of pocket for their own medical and dental care. Hispanic enrollees and those age 35-50 years were the most likely to spend more than \$500 (33.2% and 23.0%, respectively). New enrollees with chronic conditions were more likely than those without to report more than \$500 in out-of-pocket costs for care prior to HMP enrollment (21.8% vs. 11.6%). New enrollees who were insured all 12 months prior to HMP enrollment were more likely than those who were uninsured for all or some of the 12 months to report out-of-pocket costs over \$500 for care during those 12 months (25.1% vs. 19.4% for uninsured some of the 12 months and 14.0% for uninsured all 12 months). (Appendix A Table 5.4; Appendix B Table 4.3.1)

In the 12 months before enrolling in HMP, 44.8% of new enrollees reported having problems paying medical bills. New enrollees with chronic conditions were more likely than those without to report problems paying medical bills prior to HMP enrollment (51.0% vs. 32.3%). Of those who reported problems paying medical bills, most (72.4%) reported being contacted by a collections agency and 29.4% thought about filing for bankruptcy. New enrollees residing in Metro Detroit (40%) were the most likely and those in the UP/NW/NE (11.8%) were the least likely to report that they thought about filing for bankruptcy if they reported problems paying medical bills. Of those who thought about filing for bankruptcy, 11.5% filed for bankruptcy. (Appendix A Tables 5.5-5.5.2; Appendix B Table 4.3.2)

**Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.**

**Health risk assessment**

New enrollees were asked how they completed the first section of the HRA and most commonly reported that they filled it out themselves (39.6%). Other responses included: completing it on the phone at the time of enrollment (17.0%) and completing it with a doctor or another person in an office or clinic (16.1%). About one in ten new enrollees (9.8%) could not remember how they completed the first section of the HRA and 17.4% said they had not completed it. (Appendix A Table 6.1)

Among new enrollees who completed the first section of the HRA, 48.7% said they discussed the HRA with their doctor or someone at their primary care provider's office. Among those who discussed the HRA with their doctor or someone at their primary care provider's office, 85.9% chose to work on at least one health behavior. The most common behaviors<sup>†</sup> that new enrollees chose to work on were related to nutrition/diet (35.3%), exercise/activity (29.9%), and reducing/quitting tobacco use (20.3%). New enrollees were asked why they chose the healthy behavior they did and were able to provide multiple reasons.

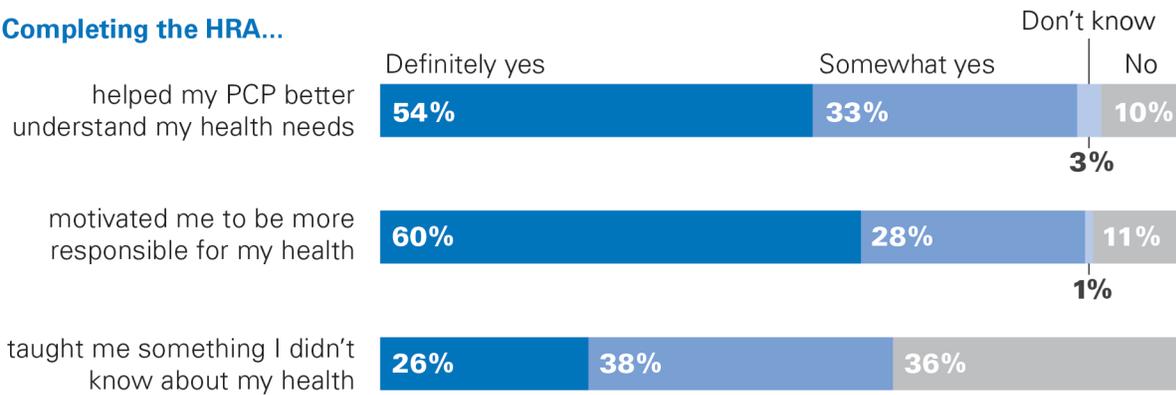
- Among those who chose to work on nutrition/diet, 51.4% said they chose this behavior because it was something that they wanted to do anyway, 31.4% chose it because it would help them improve their condition, and 23.8% chose it because the doctor suggested it.
- Among those who chose to work on exercise/activity, 75.8% said they chose this behavior because it was something that they wanted to do anyway, 15.5% chose it because the doctor suggested it, and 8.5% chose it because it would help them improve their condition.
- Among those who chose to work on reducing/quitting tobacco use, 65.5% said they chose this behavior because it was something that they wanted to do anyway, 38.2% chose it because the doctor suggested it, and 10.0% chose it because it would help them improve their condition. (Appendix A Tables 6.2-6.2.2)

Among new enrollees who discussed the HRA with their doctor or someone at their primary care provider's office:

- 63.9% reported that completing the HRA taught them something they did not know about their health. Men and those who were Black or Hispanic were more likely to say the HRA taught them something about their health.
- 87.1% reported that completing the HRA helped their PCP better understand their health needs.
- 87.9% reported that completing the HRA motivated them to be more responsible for their health. (Appendix A Tables 6.3-6.5)

Many new enrollees who completed the HRA found it **helpful**.

**Completing the HRA...**



**Aim 5: To understand HMP enrollees’ decisions about when, where and how to seek care, including decisions about emergency department utilization.**

*Not applicable to the new enrollee survey.*

**Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.**

*Not applicable to the new enrollee survey.*

**Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.**

**Insurance status prior to HMP**

Close to half of new enrollees (47.9%) were uninsured for all 12 months prior to HMP enrollment, 24.2% were uninsured for some of the 12 months, and 27.9% were insured for all 12 months prior to HMP enrollment. There were no statistically significant relationships between new enrollees’ insurance status in the 12 months prior to HMP enrollment and their FPL or employment status. (Appendix A Table 9.1; Appendix B Table 8.1.2)

In multivariate analyses, adjusted for gender, age, race/ethnicity, FPL, health status, and number of chronic conditions, new enrollees were more likely than enrollees surveyed in 2016, who had been enrolled for at least one year, to have had health insurance at some time during the 12 months prior to enrollment (aOR=1.78). (Appendix B Table 8.1.1)

Among new enrollees who were uninsured for some or all 12 months prior to HMP enrollment, the most commonly reported reasons why they were without insurance† included: not having a job (30.2%), it was too expensive (non-specific) (24.3%), their job does not offer insurance (13.2%), and other reasons (14.3%) that commonly included personal life changes such as moving across states, aging off of parent’s policy, divorce, imprisonment, etc. (Appendix A Table 9.4)

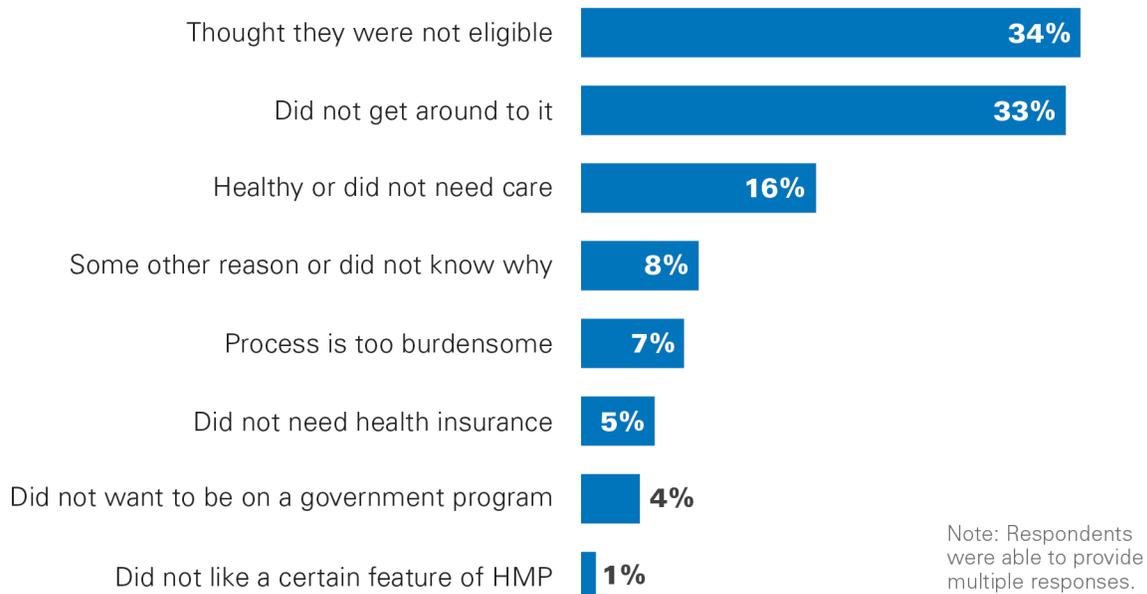
In multivariate analyses controlling for demographics, new enrollees were more likely to be uninsured for all 12 months prior to enrollment if they reported they were without insurance because insurance is too expensive (non-specific), they had problems reapplying for Medicaid, or they did not get around to it. (Appendix B Table 8.1.5)

### Reasons for not applying to HMP

Among new enrollees who reported being without insurance for two months or more in the 12 months prior to enrollment, 32.3% said there was a time when they knew about HMP but did not apply. There were no statistically significant relationships between new enrollees' saying there was a time when they knew about HMP but did not apply while they were uninsured and their health literacy, housing insecurity, experience of homelessness, or number of chronic conditions. (Appendix A Table 9.5; Appendix B Table 8.2.1)

The most commonly reported reasons for not applying<sup>†</sup> included: thinking they were not eligible (33.7%), did not get around to it (33.2%), and because they were healthy or did not need care (16.3%). Fewer new enrollees said the process was too burdensome (7.4%), they did not need health insurance (4.6%), did not want to be on a government program (3.5%), or some other reason or they did not know why (8.4%). Very few new enrollees (1.0%) said the reason they did not apply was because they did not like a certain feature of HMP. There were no statistically significant relationships between reasons new enrollees provided for not applying and their health literacy, housing insecurity, experience of homelessness, or number of chronic conditions. (Appendix A Table 9.5.1; Appendix B Tables 8.2.2-8.2.3)

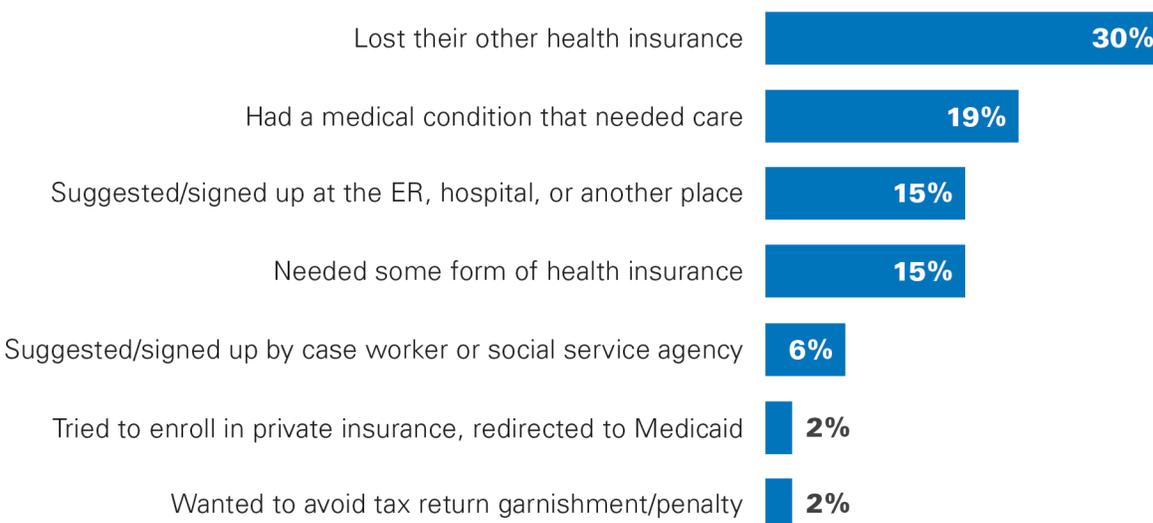
The most commonly reported reasons new enrollees gave for not previously applying for HMP were they **thought they were not eligible** and **did not get around to it**.



## Applying for HMP

New enrollees reported applying for HMP because<sup>†</sup> they lost their other health insurance (29.6%); had a medical condition that needed care (19.2%); it was suggested and/or they were signed up at the ER, hospital, or another place (15.2%); they needed some form of health insurance (15.0%); or for other reasons (21.5%). (Appendix A Table 9.6)

New enrollees most commonly reported applying for HMP because they **lost their other health insurance**.



Note: Respondents were able to provide multiple responses. In addition to the responses above, 22% reported other reasons and 1% reported that they didn't know.

New enrollees were less likely to report applying for HMP due to losing other health insurance if they were homeless (16.2% vs. 31.8%), or if they were uninsured all 12 months prior to HMP (2.7% of those uninsured all 12 months vs. 45.5% of those uninsured some of the 12 months, and 62.3% of those insured all 12 months). New enrollees were more likely to report applying for HMP due to losing other health insurance if they had diabetes (44.9% vs. 28.5%) or if they had arthritis or a similar condition (38.6% vs. 27.3%). (Appendix B Table 8.3.1)

New enrollees were more likely to report applying for HMP because they had a medical condition that needed care if they had two or more chronic conditions (26.3% vs. 14.2% for one chronic condition and 14.1% for none) or had one of several chronic conditions: heart disease (37.6% vs. 17.7%), diabetes (38.8% vs. 17.5%), a mood disorder (28.2% vs. 15.1%), or a substance use disorder (52.3% vs. 17.3%). (Appendix B Table 8.3.2)

New enrollees were also more likely to report applying for HMP because they had a medical condition that needed care if they had difficulty with health literacy (34.7% vs. 16.1%) and were uninsured all 12 months prior to HMP (24.2% vs. 18.4% of those insured some of past 12 months, and 11.5% of those insured all of past 12 months). (Appendix B Table 8.3.2)

New enrollees were more likely to report being signed up for HMP or suggested to enroll in HMP by the ER or hospital if they were uninsured all 12 months prior to HMP (22.2% vs. 14.2% of those uninsured some of the 12 months and 3.9% of those insured all 12 months). (Appendix B Table 8.3.3)

New enrollees were more likely to report applying to HMP due to needing some form of health insurance if they were uninsured for some or all 12 months prior to HMP (18.9% of those uninsured all 12 months, 17.2% of those uninsured some of the 12 months, and 5.8% of those insured all 12 months). (Appendix B Table 8.3.5)

We examined reasons for HMP enrollment for two distinct ages due to thresholds for eligibility (19 years of age) or loss of other health insurance (26 years of age). There were no statistically significant differences between new enrollees near these ages (19-21 and 26-28 years) compared to other ages in whether they specify having lost other insurance or needing some form of health insurance as a reason for enrollment. (Appendix B Tables 8.3.8-8.3.9)

Few new enrollees (4.9%) reported that they had problems with the HMP application and enrollment process. Among new enrollees who reported having a problem with the HMP application and enrollment process, the most commonly reported problems<sup>†</sup> included: difficulty completing enrollment materials, administrative problems related to case worker, and eligibility or administrative errors. (Appendix A Tables 9.7- 9.7.1)

About half of new enrollees (45.2%) said they tried to keep their existing doctor or clinic when they chose their health plan and primary care provider; new enrollees age 19-34 and men were less likely to report this. Among new enrollees who tried to keep their existing doctor or clinic, 82.0% said they were able to do so. Those who were Black or Hispanic, those with incomes 100-133% FPL, and those in the Detroit Metro region were less likely to say they were able to keep their doctor or clinic. Among new enrollees who were not able to keep their existing doctor or clinic, 66.2% said it was because their doctor or clinic does not accept Medicaid, and 31.0% said it was for some other reason. (Appendix A Tables 9.8-9.8.1.1)

## Limitations

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As with any survey, HMP responses may be biased by social desirability. While the survey was available in three languages, it was not available in all languages spoken by enrollees; however, only 2 sampled enrollees were deemed ineligible for this reason. While many measures were based on those used in large national surveys, some questions were newly developed specifically to assess new enrollees' perspectives on key features of HMP, their early experiences with the program, reasons for not applying before, and reasons for enrolling. In addition, this survey was cross-sectional; longitudinal follow-up surveys are underway in 2018.

Bivariate analyses should be interpreted with caution as they may identify relationships between variables that are due to confounding and small sample sizes may limit the ability to detect relationships.

## Lessons Learned

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Several lessons were learned in the process of conducting outreach to new enrollees for participation in this survey:

In the 2016 *Healthy Michigan Voices* Enrollee Survey, many early respondents offered descriptions and anecdotes not captured by fixed-choice or brief response items used with the computer-assisted telephone interviewing system. For subsequent survey waves, including the 2017 new enrollee survey, enrollees were asked if their interview could be recorded and nearly all agreed. These recordings provided additional details about the new enrollee experience in a more open-ended fashion.

For new enrollees who were challenging to reach by phone within 2-3 weeks, we queried the MDHHS data warehouse to look for updated contact information; in some cases this process identified individuals who were no longer enrolled in HMP, a change since sample selection, and thus were no longer eligible for the survey.

Enrollees who completed the survey were mailed a gift card to compensate them for their time answering the survey questions. Initially, the gift card envelope included the standard gift card vendor insert – two dense pages of small print and technical language. After receiving numerous calls to report problems using the gift card, we added a brief “How to Use Your Gift Card” summary with bullet points in simple language. The same message in Spanish or Arabic was added to the summary for enrollees who completed the survey in those languages. This addressed some issues that arose during the initial 2016 enrollee survey where some respondents had questions or issues using the gift card they received for participation in the survey.

## Conclusions

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Prior to enrolling in HMP, many new enrollees lacked health insurance coverage and experienced difficulties paying for and getting the care they needed. Nearly three in four had a period without health insurance in the 12 months prior to HMP enrollment, most often because they did not have a job, they had a job that did not offer health insurance, health insurance was too expensive, or because of personal life changes. Nearly half reported having problems paying medical bills before HMP and most of those had been contacted by a collections agency. One in five new enrollees reported not getting the health care they needed in the 12 months before enrolling in HMP, usually because of cost. New enrollees with chronic conditions were more likely than those without to report problems paying medical bills and to have forgone dental care prior to HMP enrollment.

Additionally, only one in three new enrollees felt their health was excellent or very good, and two in three reported having a chronic condition. Many had housing instability, including homelessness, and/or challenges related to health literacy. Most new enrollees who reported being unable to work said it was due to poor health or disability. New enrollees over 50 were less likely than younger enrollees to be employed.

Just one in three new enrollees who lacked insurance before enrollment reported there being a time when they knew about HMP but did not apply, indicating that an important obstacle for those who may be eligible but not enrolled is a lack of awareness of HMP. Since a third of those who were aware of HMP thought they would not be eligible for the program, a misunderstanding of the eligibility requirements for HMP is another common barrier to enrollment.

New enrollees' stated reasons for enrolling in HMP varied. The most common reasons were losing other health insurance, having a medical condition that needed care, and enrollment being suggested or facilitated by an ER, hospital, or another place. New enrollees reported few, if any, challenges during the application and enrollment process. More than four in five of those who tried to keep their existing doctor or clinic were able to do so.

## **Recommendations**

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As noted in this report, lack of awareness of HMP and understanding of eligibility requirements were barriers to enrollment. Continued outreach and education to those who may be newly eligible for HMP could result in individuals experiencing fewer gaps in health insurance coverage. Gaps in health insurance coverage, as we saw in this survey and previous surveys, can lead to forgone care and financial problems. Outreach and education efforts should take into account the complex health and social needs (e.g. housing instability and limited health literacy) reported by many new enrollees.

Over half of new enrollees were employed, and about half of those were employed full-time. Over a third of those who were not employed said they were unable to work, often due to poor health or disability. Sufficient time should be provided to address health needs that present barriers to employment and supportive resources should be made available to those who are required to meet the workforce engagement requirements. Sufficient time should be allowed and processes should be clearly communicated to enrollees who may apply for an exemption.

New enrollees reported few, if any, challenges with the application and enrollment process. Support to individuals provided during the process of enrolling in HMP seems to contribute to a smooth enrollment experience and should be continued.

**2017 Healthy Michigan Voices New Enrollee Survey  
Appendix A**

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# 1 How to read the tables

## 1.1 Question asked for the corresponding table will be shown here

*Universe:* The ‘universe’ tells you which respondents answered the question.

	Response Option 1		Response Option 2		Variable of Interest Response Option 3		Response Option 4		Total Column Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>FPL category</b>									
0-35% (n=772)	2.3	[1.3, 4.0]	12.0	[9.4, 15.2]	84.4	[80.9, 87.4]	1.2	[0.5, 3.1]	100.0
36-99% (n=641)	2.4	[1.4, 4.0]	8.8	[6.1, 12.4]	88.3	[84.6, 91.2]	0.5	[0.2, 1.3]	100.0
≥ 100% (n = 456)	3.9	[2.1, 6.9]	8.9	[6.4, 12.3]	86.9	[82.9, 90.1]	0.3	[0.0, 2.3]	100.0
Pearson: Uncorrected chi2(6) =	11.0315								
Design-based F(5.68, 10542.54) =	1.4657	Pr =	0.189						
<b>Region</b>									
UP/NW/NE (n=354)	3.8	[2.1, 6.8]	10.8	[7.7, 14.9]	84.6	[79.9, 88.4]	0.8	[0.3, 2.8]	100.0
W/E Central/E (n=564)	1.8	[1.0, 3.4]	9.0	[6.5, 12.3]	88.6	[85.1, 91.3]	0.6	[0.2, 1.9]	100.0
S Central/SW/SE (n=407)	2.9	[1.3, 6.2]	8.3	[5.8, 11.9]	87.6	[83.3, 91.0]	1.1	[0.4, 3.6]	100.0
Detroit Metro (n=544)	2.8	[1.6, 4.7]	12.6	[9.4, 16.6]	83.7	[79.4, 87.3]	0.9	[0.2, 3.6]	100.0
Pearson: Uncorrected chi2(9) =	10.0786								
Design-based F(7.48, 13888.33) =	0.8540	Pr =	0.549						
<b>Total (n=1,869)</b>	2.6	[1.9, 3.7]	10.6	[8.9, 12.6]	85.9	[83.7, 87.9]	0.9	[0.4, 1.8]	100.0

<sup>1</sup> Each table will show a variable of interest and the response options at the top. Where ‘Variable of Interest’ is currently, the variable name or description will replace it and the ‘Response Option’ will be replaced with the response options for that question. The variable of interest is analyzed in a cross-tabulation format against other variables. These variables are on the left side of the table. The name of the variable is in bold on top of the categories that correspond to that variable. Each variable on the left side of the table is separated by horizontal black lines. The statistical analysis information is between two variables; the analysis information corresponds to the variable above it.

<sup>2</sup> ‘Row%’ is the weighted percentage of respondents that answered that response option in the survey. The ‘95%CI’ is the range of values that one can be 95% confident contains the true value. The ‘Total Column’ shows that the row adds up to 100%. The value in ‘Pr= value’ indicates if there is a significant relationship between the two variables. If ‘value’ is less than 0.05, it can be interpreted that there is a significant relationship between the two variables.

<sup>3</sup> The ‘Total’ row is at the bottom of the table. This row displays the weighted proportions for the population as a whole.

<sup>4</sup> Some questions have greater or fewer response options than the table presented here.

## 2 Demographics Tables

### 2.1 Main Demographics Table

Universe: All respondents (n = 607)

	Weighted Proportion	95%CI
<b>FPL category</b>		
0-35% (n=239)	70.2	[69.0, 71.3]
36-99% (n=192)	17.1	[16.3, 18.0]
100%+ (n=176)	12.7	[12.0, 13.5]
<b>Region</b>		
UP/NW/NE (n=95)	9.6	[8.6, 10.7]
W/E Central/E (n=163)	27.9	[26.6, 29.3]
S Central/SW/SE (n=151)	22.0	[20.6, 23.5]
Detroit Metro (n=198)	40.5	[39.1, 41.9]
<b>Age</b>		
19-34 (n=220)	41.4	[36.7, 46.3]
35-50 (n=178)	30.4	[26.1, 35.1]
51-64 (n=209)	28.2	[24.3, 32.4]
<b>Gender</b>		
Male (n=326)	62.6	[58.0, 67.0]
Female (n=281)	37.4	[33.0, 42.0]
<b>Race/ethnicity</b>		
White, non-Hispanic (n=401)	61.7	[57.0, 66.2]
Black, non-Hispanic (n=114)	23.2	[19.5, 27.4]
Hispanic (n=33)	6.5	[4.3, 9.7]
Other, non-Hispanic (n=54)	8.5	[6.2, 11.7]
<b>Race</b>		
White (n=408)	63.2	[58.5, 67.6]
Black (n=114)	23.2	[19.5, 27.4]
Other (n=53)	9.2	[6.7, 12.4]
More than one (n=26)	4.4	[2.7, 7.2]
<b>Hispanic/Latino</b>		
Yes (n=33)	6.5	[4.3, 9.6]
No (n=567)	93.1	[90.0, 95.4]
Don't know (n=2)	0.4	[0.1, 1.7]
<b>Arab/Chaldean/Middle Eastern</b>		
Yes (n=22)	3.8	[2.3, 6.2]
No (n=581)	96.2	[93.8, 97.7]
<b>Urbanicity</b>		
Urban (n=456)	81.4	[78.5, 84.0]
Suburban (n=50)	7.7	[5.6, 10.4]
Rural (n=101)	10.9	[9.3, 12.6]
<b>Highest level of education</b>		
Less than high school (n=66)	12.7	[9.6, 16.4]
High school graduate (n=225)	37.6	[33.0, 42.4]
Some college (n=138)	22.8	[19.0, 27.2]
Associate's degree (n=94)	12.6	[9.9, 15.9]
Bachelor's degree (n=66)	11.1	[8.4, 14.5]
Post graduate degree (n=17)	3.2	[1.9, 5.5]
<b>Employed/self-employed</b>		
Yes (n=364)	55.1	[50.2, 59.9]
No (n=241)	44.9	[40.1, 49.8]
<b>Employment status-detailed</b>		
Full-time employment (n=182)	29.0	[24.7, 33.6]
Part-time employment (n=176)	26.0	[22.0, 30.4]
Out of work (n=101)	22.7	[18.7, 27.4]
Unable to work (n=98)	16.5	[13.3, 20.4]
Retired (n=18)	2.7	[1.6, 4.6]
Not looking for work at this time (n=21)	3.1	[1.9, 5.0]
<b>In school</b>		
Yes (n=53)	8.1	[5.9, 11.1]
No (n=554)	91.9	[88.9, 94.1]

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<b>Veteran</b>		
Yes (n=32)	5.6	[3.7, 8.4]
No (n=573)	94.4	[91.6, 96.3]
<hr/>		
<b>Marital status</b>		
Married (n=147)	17.3	[14.4, 20.7]
Divorced (n=121)	18.3	[15.0, 22.1]
Widowed (n=19)	2.5	[1.4, 4.4]
Separated (n=18)	3.1	[1.7, 5.4]
Partnered (n=23)	3.1	[1.9, 4.9]
Never married (n=274)	55.7	[50.9, 60.4]
<hr/>		
<b>Other HMP enrollee in household</b>		
Yes (n=203)	27.8	[23.8, 32.2]
No (n=378)	66.2	[61.6, 70.6]
Don't know (n=25)	6.0	[3.9, 9.0]
<hr/>		
<b>Number of places lived in past 3 years</b>		
One (n=293)	45.9	[41.1, 50.8]
Two (n=188)	31.8	[27.4, 36.5]
Three (n=73)	13.0	[10.0, 16.7]
Four or more (n=48)	8.8	[6.3, 12.0]
Don't know (n=4)	0.6	[0.2, 1.6]
<hr/>		
<b>Homeless in the last 12 months</b>		
Yes (n=63)	13.4	[10.3, 17.3]
No (n=542)	86.6	[82.7, 89.7]
<hr/>		
<b>Need help reading written materials</b>		
Never (n=422)	68.2	[63.4, 72.6]
Rarely (n=86)	15.5	[12.1, 19.5]
Sometimes (n=51)	8.3	[6.1, 11.3]
Often (n=24)	4.0	[2.5, 6.3]
Always (n=23)	4.1	[2.5, 6.5]

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## 2.2 Q: What is the highest grade of school you have completed, or the highest degree you have received?

Universe: All respondents

	Highest level of education							Total Row%
	High school or less		Associate's degree/some college		Bachelor's/post graduate degree			
	Row%	95%CI	Row%	95%CI	Row%	95%CI		
<b>Age</b>								
19-34 (n=220)	52.8	[44.9,60.5]	34.3	[27.5,41.9]	12.9	[8.7,18.9]		100.0
35-50 (n=178)	46.7	[37.9,55.6]	35.8	[27.7,44.8]	17.5	[11.6,25.6]		100.0
51-64 (n=208)	50.3	[42.1,58.5]	36.7	[29.2,44.9]	13.0	[8.3,19.8]		100.0
Pearson: Uncorrected chi2(4) =	2.8384							
Design-based F(3.97, 2359.58) =	0.4988	Pr =	0.735					
<b>Gender</b>								
Male (n=326)	58.3	[51.8,64.4]	28.3	[22.9,34.3]	13.5	[9.7,18.4]		100.0
Female (n=280)	36.7	[30.2,43.8]	47.5	[40.4,54.7]	15.8	[11.1,22.0]		100.0
Pearson: Uncorrected chi2(2) =	28.3857							
Design-based F(2.00, 1187.07) =	10.3610	Pr =	0.000					
<b>Race/ethnicity</b>								
White, non-Hispanic (n=401)	47.5	[41.5,53.5]	34.4	[28.9,40.2]	18.2	[13.9,23.4]		100.0
Black, non-Hispanic (n=113)	50.4	[39.9,61.0]	40.4	[30.6,50.9]	9.2	[4.6,17.6]		100.0
Hispanic (n=33)	62.4	[42.0,79.2]	32.1	[16.3,53.4]	5.5	[2.5,11.7]		100.0
Other, non-Hispanic (n=54)	59.8	[43.5,74.2]	31.4	[18.6,47.9]	8.8	[3.3,21.4]		100.0
Pearson: Uncorrected chi2(6) =	13.6105							
Design-based F(5.36, 3155.83) =	1.7170	Pr =	0.122					
<b>FPL category</b>								
0-35% (n=239)	52.0	[45.4,58.6]	32.8	[27.0,39.3]	15.1	[11.0,20.4]		100.0
36-99% (n=191)	45.6	[38.8,52.7]	41.6	[34.8,48.6]	12.8	[8.9,18.0]		100.0
100%+ (n=176)	46.3	[39.1,53.6]	41.7	[34.6,49.1]	12.1	[8.1,17.5]		100.0
Pearson: Uncorrected chi2(4) =	4.3415							
Design-based F(3.61, 2143.57) =	1.6185	Pr =	0.173					
<b>Region</b>								
UP/NW/NE (n=95)	50.1	[37.3,62.9]	37.7	[25.9,51.1]	12.2	[6.0,23.3]		100.0
W/E Central/E (n=162)	55.0	[45.8,63.9]	32.6	[24.8,41.5]	12.4	[7.3,20.2]		100.0
S Central/SW/SE (n=151)	44.7	[35.1,54.7]	38.5	[29.3,48.5]	16.8	[11.2,24.5]		100.0
Detroit Metro (n=198)	49.9	[41.8,58.0]	35.2	[28.0,43.1]	14.8	[9.9,21.7]		100.0
Pearson: Uncorrected chi2(6) =	3.6494							
Design-based F(5.82, 3455.66) =	0.4562	Pr =	0.836					
<b>Total (n=606)</b>	<b>50.2</b>	<b>[45.3,55.1]</b>	<b>35.4</b>	<b>[31.0,40.2]</b>	<b>14.3</b>	<b>[11.3,18.1]</b>		<b>100.0</b>

## 2.3 Q: Are you currently employed or self-employed?

Universe: All respondents

	Employed/self-employed				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Age</b>					
19-34 (n=219)	64.3	[56.1,71.8]	35.7	[28.2,43.9]	100.0
35-50 (n=178)	58.8	[49.8,67.3]	41.2	[32.7,50.2]	100.0
51-64 (n=208)	37.5	[30.0,45.6]	62.5	[54.4,70.0]	100.0
Pearson: Uncorrected chi2(2) =	30.9683				
Design-based F(1.97, 1170.04) =	10.4972	Pr =	0.000		
<b>Gender</b>					
Male (n=326)	57.6	[51.1,63.8]	42.4	[36.2,48.9]	100.0
Female (n=279)	50.9	[43.7,58.0]	49.1	[42.0,56.3]	100.0
Pearson: Uncorrected chi2(1) =	2.5412				
Design-based F(1.00, 593.00) =	1.8247	Pr =	0.177		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=400)	52.8	[46.9,58.8]	47.2	[41.2,53.1]	100.0
Black, non-Hispanic (n=114)	64.0	[53.3,73.4]	36.0	[26.6,46.7]	100.0
Hispanic (n=33)	58.1	[37.7,76.1]	41.9	[23.9,62.3]	100.0
Other, non-Hispanic (n=53)	43.0	[28.2,59.3]	57.0	[40.7,71.8]	100.0
Pearson: Uncorrected chi2(3) =	8.3303				
Design-based F(2.98, 1751.02) =	1.7920	Pr =	0.147		
<b>FPL category</b>					
0-35% (n=237)	47.4	[40.8,54.1]	52.6	[45.9,59.2]	100.0
36-99% (n=192)	67.5	[60.8,73.6]	32.5	[26.4,39.2]	100.0
100%+ (n=176)	80.5	[74.4,85.4]	19.5	[14.6,25.6]	100.0
Pearson: Uncorrected chi2(2) =	36.8826				
Design-based F(1.80, 1069.67) =	28.9887	Pr =	0.000		
<b>Region</b>					
UP/NW/NE (n=95)	53.3	[40.7,65.5]	46.7	[34.5,59.3]	100.0
W/E Central/E (n=162)	56.8	[47.7,65.5]	43.2	[34.5,52.3]	100.0
S Central/SW/SE (n=151)	56.5	[46.7,65.8]	43.5	[34.2,53.3]	100.0
Detroit Metro (n=197)	53.6	[45.4,61.6]	46.4	[38.4,54.6]	100.0
Pearson: Uncorrected chi2(3) =	0.6040				
Design-based F(2.92, 1729.18) =	0.1523	Pr =	0.924		
<b>Total (n=605)</b>	<b>55.1</b>	<b>[50.2,59.9]</b>	<b>44.9</b>	<b>[40.1,49.8]</b>	<b>100.0</b>

### 2.3.1 Q: Are you working full-time or part-time?

Universe: Respondents who are employed (n = 358)

	Employment status				Total Row%
	Full-time Row%	95%CI	Part-time Row%	95%CI	
<b>Age</b>					
19-34 (n=157)	63.7	[54.3,72.2]	36.3	[27.8,45.7]	100.0
35-50 (n=111)	53.4	[42.0,64.4]	46.6	[35.6,58.0]	100.0
51-64 (n=90)	23.7	[15.1,35.0]	76.3	[65.0,84.9]	100.0
Pearson: Uncorrected chi2(2) =	31.8244				
Design-based F(1.94, 672.67) =	12.0771	Pr =	0.000		
<b>Gender</b>					
Male (n=204)	55.8	[47.3,63.8]	44.2	[36.2,52.7]	100.0
Female (n=154)	46.9	[37.0,57.1]	53.1	[42.9,63.0]	100.0
Pearson: Uncorrected chi2(1) =	2.5472				
Design-based F(1.00, 346.00) =	1.7692	Pr =	0.184		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=233)	53.8	[45.7,61.7]	46.2	[38.3,54.3]	100.0
Black, non-Hispanic (n=76)	39.4	[27.2,52.9]	60.6	[47.1,72.8]	100.0
Hispanic (n=16)	81.5	[54.9,94.1]	18.5	[5.9,45.1]	100.0
Other, non-Hispanic (n=31)	64.6	[43.9,81.0]	35.4	[19.0,56.1]	100.0
Pearson: Uncorrected chi2(3) =	16.3637				
Design-based F(2.88, 990.38) =	3.8449	Pr =	0.010		
<b>FPL category</b>					
0-35% (n=101)	51.7	[41.7,61.6]	48.3	[38.4,58.3]	100.0
36-99% (n=122)	47.6	[39.0,56.5]	52.4	[43.5,61.0]	100.0
100%+ (n=135)	61.5	[53.1,69.2]	38.5	[30.8,46.9]	100.0
Pearson: Uncorrected chi2(2) =	2.9291				
Design-based F(1.74, 600.58) =	1.6669	Pr =	0.193		
<b>Region</b>					
UP/NW/NE (n=57)	63.2	[47.9,76.2]	36.8	[23.8,52.1]	100.0
W/E Central/E (n=100)	56.0	[43.8,67.5]	44.0	[32.5,56.2]	100.0
S Central/SW/SE (n=93)	52.4	[39.4,65.1]	47.6	[34.9,60.6]	100.0
Detroit Metro (n=108)	48.0	[36.9,59.2]	52.0	[40.8,63.1]	100.0
Pearson: Uncorrected chi2(3) =	3.2002				
Design-based F(2.80, 967.59) =	0.7885	Pr =	0.493		
<b>Total (n=358)</b>	<b>52.7</b>	<b>[46.2,59.1]</b>	<b>47.3</b>	<b>[40.9,53.8]</b>	<b>100.0</b>

## 2.4 Q: Are you out of work, unable to work, retired, or not looking for work at this time?

Universe: Respondents who are not employed (n = 238)

	Out of work		Unable to work		Unemployed status		Not looking for work at this time		Total Row%
	Row%	95%CI	Row%	95%CI	Retired Row%	95%CI	Row%	95%CI	
<b>Age</b>									
19-34 (n=61)	69.7	[56.0,80.7]	14.9	[7.4,27.7]	0.0		15.3	[8.3,26.5]	100.0
35-50 (n=62)	57.7	[43.3,71.0]	40.4	[27.4,54.9]	0.0		1.9	[0.7,5.2]	100.0
51-64 (n=115)	29.0	[20.2,39.8]	52.4	[41.7,62.9]	15.2	[9.0,24.6]	3.3	[1.3,8.0]	100.0
Pearson: Uncorrected chi2(6) =	66.0694								
Design-based F(5.22, 1178.90) =	9.8878	Pr =	0.000						
<b>Gender</b>									
Male (n=117)	55.5	[45.3,65.3]	37.0	[27.8,47.2]	5.8	[2.8,11.6]	1.7	[0.5,6.0]	100.0
Female (n=121)	43.0	[32.9,53.7]	36.3	[27.0,46.6]	6.3	[2.8,13.6]	14.5	[8.7,23.0]	100.0
Pearson: Uncorrected chi2(3) =	15.3686								
Design-based F(2.97, 671.77) =	4.4937	Pr =	0.004						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=161)	45.8	[36.8,55.1]	38.2	[30.0,47.2]	7.7	[4.3,13.3]	8.4	[4.9,14.0]	100.0
Black, non-Hispanic (n=37)	66.5	[48.6,80.6]	31.0	[17.3,49.1]	0.7	[0.1,4.1]	1.8	[0.5,6.5]	100.0
Hispanic (n=16)	71.8	[41.6,90.1]	12.9	[3.9,35.2]	13.0	[1.9,53.3]	2.3	[0.4,12.9]	100.0
Other, non-Hispanic (n=22)	37.3	[17.3,62.7]	52.0	[28.6,74.5]	1.0	[0.2,6.4]	9.7	[2.2,33.7]	100.0
Pearson: Uncorrected chi2(9) =	17.1643								
Design-based F(6.30, 1410.11) =	2.1557	Pr =	0.042						
<b>FPL category</b>									
0-35% (n=133)	52.0	[43.3,60.6]	35.9	[28.0,44.6]	6.2	[3.3,11.3]	5.9	[3.1,10.9]	100.0
36-99% (n=67)	41.3	[29.8,53.7]	44.9	[33.4,57.0]	4.3	[1.7,10.4]	9.6	[4.5,19.2]	100.0
100%+ (n=38)	48.6	[33.3,64.1]	29.7	[18.7,43.9]	6.2	[2.1,16.4]	15.5	[6.5,32.7]	100.0
Pearson: Uncorrected chi2(6) =	3.5232								
Design-based F(5.36, 1210.44) =	1.3083	Pr =	0.255						
<b>Region</b>									
UP/NW/NE (n=37)	36.2	[19.4,57.2]	44.3	[26.1,64.2]	9.4	[3.3,24.1]	10.1	[2.5,32.7]	100.0
W/E Central/E (n=61)	40.1	[26.7,55.1]	44.7	[31.0,59.2]	9.8	[3.9,22.3]	5.4	[1.8,15.0]	100.0
S Central/SW/SE (n=55)	53.8	[38.6,68.4]	29.7	[18.6,43.8]	3.2	[0.8,11.9]	13.3	[6.4,25.6]	100.0
Detroit Metro (n=85)	58.9	[46.8,70.0]	33.2	[23.0,45.3]	4.1	[1.5,11.0]	3.8	[1.4,10.2]	100.0
Pearson: Uncorrected chi2(9) =	14.5732								
Design-based F(8.65, 1954.06) =	1.4790	Pr =	0.153						
<b>Total (n=238)</b>	<b>50.5</b>	<b>[43.1,57.8]</b>	<b>36.7</b>	<b>[30.0,44.0]</b>	<b>6.0</b>	<b>[3.5,10.1]</b>	<b>6.9</b>	<b>[4.3,10.9]</b>	<b>100.0</b>

## 2.4.1 Q: How long have you been [out of work/unable to work/retired]?

Universe: Respondents who are not employed (n = 238)

	Unemployed length of time				Total Row%
	Less than one year Row%	95%CI	One year or more Row%	95%CI	
<b>Age</b>					
19-34 (n=61)	70.5	[55.8,81.9]	29.5	[18.1,44.2]	100.0
35-50 (n=62)	59.6	[44.6,72.9]	40.4	[27.1,55.4]	100.0
51-64 (n=115)	56.1	[45.3,66.3]	43.9	[33.7,54.7]	100.0
Pearson: Uncorrected chi2(2) =	3.9430				
Design-based F(1.97, 445.62) =	1.3530	Pr =	0.259		
<b>Gender</b>					
Male (n=117)	59.0	[48.5,68.8]	41.0	[31.2,51.5]	100.0
Female (n=121)	65.9	[55.5,75.0]	34.1	[25.0,44.5]	100.0
Pearson: Uncorrected chi2(1) =	1.1591				
Design-based F(1.00, 226.00) =	0.9106	Pr =	0.341		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=161)	59.6	[50.3,68.3]	40.4	[31.7,49.7]	100.0
Black, non-Hispanic (n=37)	66.1	[46.9,81.2]	33.9	[18.8,53.1]	100.0
Hispanic (n=16)	66.0	[34.4,87.8]	34.0	[12.2,65.6]	100.0
Other, non-Hispanic (n=22)	63.2	[38.6,82.5]	36.8	[17.5,61.4]	100.0
Pearson: Uncorrected chi2(3) =	0.7754				
Design-based F(3.00, 671.04) =	0.1732	Pr =	0.914		
<b>FPL category</b>					
0-35% (n=133)	58.7	[49.7,67.2]	41.3	[32.8,50.3]	100.0
36-99% (n=67)	72.8	[61.6,81.7]	27.2	[18.3,38.4]	100.0
100%+ (n=38)	82.7	[69.2,91.0]	17.3	[9.0,30.8]	100.0
Pearson: Uncorrected chi2(2) =	4.7057				
Design-based F(1.83, 412.68) =	5.5581	Pr =	0.005		
<b>Region</b>					
UP/NW/NE (n=37)	60.2	[39.9,77.5]	39.8	[22.5,60.1]	100.0
W/E Central/E (n=61)	62.0	[47.4,74.8]	38.0	[25.2,52.6]	100.0
S Central/SW/SE (n=55)	58.1	[42.1,72.6]	41.9	[27.4,57.9]	100.0
Detroit Metro (n=85)	63.9	[51.3,74.8]	36.1	[25.2,48.7]	100.0
Pearson: Uncorrected chi2(3) =	0.4984				
Design-based F(2.94, 664.92) =	0.1287	Pr =	0.941		
<b>Total (n=238)</b>	<b>61.8</b>	<b>[54.2,68.8]</b>	<b>38.2</b>	<b>[31.2,45.8]</b>	<b>100.0</b>

### 2.4.1.1 Q: Why are you unable to work?

Universe: Respondents who are unable to work (n = 97)

	Weighted Proportion	95%CI
Poor health (n=72)	70.1	[70.1, 70.1]
Disabled (n=15)	19.3	[19.3, 19.3]
Other (n=4)	4.3	[4.3, 4.3]
Caregiving responsibilities (n=4)	3.6	[3.6, 3.6]
Old age (n=2)	0.8	[0.8, 0.8]

## 2.5 Q: Are you currently in school?

Universe: All respondents

	Yes		In school		Total Row%
	Row%	95%CI	No Row%	95%CI	
<b>Age</b>					
19-34 (n=220)	16.3	[11.5,22.6]	83.7	[77.4,88.5]	100.0
35-50 (n=178)	3.7	[1.5,9.0]	96.3	[91.0,98.5]	100.0
51-64 (n=209)	0.9	[0.1,5.7]	99.1	[94.3,99.9]	100.0
Pearson: Uncorrected chi2(2) =	39.3790				
Design-based F(2.00, 1188.64) =	13.4476	Pr =	0.000		
<b>Gender</b>					
Male (n=326)	7.4	[4.6,11.7]	92.6	[88.3,95.4]	100.0
Female (n=281)	9.4	[6.1,14.1]	90.6	[85.9,93.9]	100.0
Pearson: Uncorrected chi2(1) =	0.7348				
Design-based F(1.00, 595.00) =	0.5494	Pr =	0.459		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=401)	8.2	[5.4,12.2]	91.8	[87.8,94.6]	100.0
Black, non-Hispanic (n=114)	8.1	[4.3,15.0]	91.9	[85.0,95.7]	100.0
Hispanic (n=33)	10.1	[2.6,32.4]	89.9	[67.6,97.4]	100.0
Other, non-Hispanic (n=54)	7.1	[2.4,19.6]	92.9	[80.4,97.6]	100.0
Pearson: Uncorrected chi2(3) =	0.2632				
Design-based F(2.88, 1696.75) =	0.0596	Pr =	0.978		
<b>FPL category</b>					
0-35% (n=239)	6.1	[3.4,10.5]	93.9	[89.5,96.6]	100.0
36-99% (n=192)	16.4	[11.8,22.2]	83.6	[77.8,88.2]	100.0
100%+ (n=176)	8.6	[5.0,14.3]	91.4	[85.7,95.0]	100.0
Pearson: Uncorrected chi2(2) =	11.8612				
Design-based F(1.69, 1008.22) =	6.4778	Pr =	0.003		
<b>Region</b>					
UP/NW/NE (n=95)	9.1	[4.0,19.3]	90.9	[80.7,96.0]	100.0
W/E Central/E (n=163)	6.4	[3.4,11.5]	93.6	[88.5,96.6]	100.0
S Central/SW/SE (n=151)	12.9	[7.4,21.5]	87.1	[78.5,92.6]	100.0
Detroit Metro (n=198)	6.5	[3.4,12.1]	93.5	[87.9,96.6]	100.0
Pearson: Uncorrected chi2(3) =	5.7023				
Design-based F(2.87, 1709.41) =	1.4809	Pr =	0.219		
<b>Total (n=607)</b>	<b>8.1</b>	<b>[5.9,11.1]</b>	<b>91.9</b>	<b>[88.9,94.1]</b>	<b>100.0</b>

## 2.6 Q: Are you a veteran of the US military armed forces?

Universe: All respondents

	Yes		Veteran		Total Row%
	Row%	95%CI	No Row%	95%CI	
<b>Age</b>					
19-34 (n=220)	4.1	[1.6,10.1]	95.9	[89.9,98.4]	100.0
35-50 (n=176)	5.7	[2.8,11.0]	94.3	[89.0,97.2]	100.0
51-64 (n=209)	7.8	[4.4,13.4]	92.2	[86.6,95.6]	100.0
Pearson: Uncorrected chi2(2) =	2.6559				
Design-based F(1.88, 1116.46) =	0.8009	Pr =	0.443		
<b>Gender</b>					
Male (n=325)	7.8	[5.0,12.1]	92.2	[87.9,95.0]	100.0
Female (n=280)	1.9	[0.8,4.7]	98.1	[95.3,99.2]	100.0
Pearson: Uncorrected chi2(1) =	9.3546				
Design-based F(1.00, 593.00) =	8.9930	Pr =	0.003		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=401)	6.8	[4.3,10.6]	93.2	[89.4,95.7]	100.0
Black, non-Hispanic (n=114)	3.5	[1.2,9.4]	96.5	[90.6,98.8]	100.0
Hispanic (n=33)	0.0		100.0		100.0
Other, non-Hispanic (n=52)	7.9	[1.5,32.7]	92.1	[67.3,98.5]	100.0
Pearson: Uncorrected chi2(3) =	4.9776				
Design-based F(2.70, 1590.38) =	0.8850	Pr =	0.439		
<b>FPL category</b>					
0-35% (n=238)	6.2	[3.6,10.2]	93.8	[89.8,96.4]	100.0
36-99% (n=192)	3.7	[1.9,7.0]	96.3	[93.0,98.1]	100.0
100%+ (n=175)	5.2	[2.8,9.6]	94.8	[90.4,97.2]	100.0
Pearson: Uncorrected chi2(2) =	0.9988				
Design-based F(1.85, 1095.78) =	0.8218	Pr =	0.432		
<b>Region</b>					
UP/NW/NE (n=95)	7.0	[2.6,17.7]	93.0	[82.3,97.4]	100.0
W/E Central/E (n=162)	4.0	[2.0,7.5]	96.0	[92.5,98.0]	100.0
S Central/SW/SE (n=151)	9.3	[4.3,19.1]	90.7	[80.9,95.7]	100.0
Detroit Metro (n=197)	4.4	[2.0,9.4]	95.6	[90.6,98.0]	100.0
Pearson: Uncorrected chi2(3) =	5.2361				
Design-based F(2.75, 1630.89) =	1.2904	Pr =	0.277		
<b>Total (n=605)</b>	<b>5.6</b>	<b>[3.7,8.4]</b>	<b>94.4</b>	<b>[91.6,96.3]</b>	<b>100.0</b>

## 2.7 Q: Has anyone else in your household been enrolled in the Healthy Michigan Plan?

Universe: All respondents

	Other HMP enrollee in household						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	26.4	[20.3,33.6]	65.4	[57.6,72.5]	8.2	[4.5,14.4]	100.0
35-50 (n=177)	30.7	[23.4,39.2]	64.9	[56.3,72.7]	4.4	[2.1,9.0]	100.0
51-64 (n=209)	26.8	[20.4,34.3]	68.8	[60.9,75.8]	4.4	[1.8,10.3]	100.0
Pearson: Uncorrected chi2(4) =	4.6463						
Design-based F(3.94, 2338.38) =	0.8180	Pr =	0.512				
<b>Gender</b>							
Male (n=325)	24.2	[19.3,29.8]	70.1	[64.1,75.5]	5.7	[3.3,9.8]	100.0
Female (n=281)	33.9	[27.6,40.9]	59.7	[52.5,66.6]	6.4	[3.4,11.7]	100.0
Pearson: Uncorrected chi2(2) =	7.2607						
Design-based F(1.97, 1170.33) =	2.4588	Pr =	0.087				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	29.5	[24.5,35.0]	64.0	[58.1,69.5]	6.5	[3.9,10.7]	100.0
Black, non-Hispanic (n=114)	19.3	[12.3,29.0]	75.7	[65.4,83.7]	5.0	[1.8,12.9]	100.0
Hispanic (n=33)	23.8	[11.9,41.9]	70.9	[51.4,84.8]	5.3	[0.8,28.6]	100.0
Other, non-Hispanic (n=53)	44.6	[29.7,60.6]	50.0	[34.2,65.8]	5.3	[1.4,18.5]	100.0
Pearson: Uncorrected chi2(6) =	14.1979						
Design-based F(5.84, 3440.00) =	1.5209	Pr =	0.169				
<b>FPL category</b>							
0-35% (n=239)	22.9	[17.8,28.9]	70.0	[63.7,75.7]	7.1	[4.4,11.4]	100.0
36-99% (n=192)	40.4	[33.7,47.4]	56.4	[49.3,63.2]	3.2	[1.3,7.9]	100.0
100%+ (n=175)	38.3	[31.6,45.5]	58.4	[51.1,65.4]	3.3	[1.4,7.7]	100.0
Pearson: Uncorrected chi2(4) =	19.0072						
Design-based F(3.65, 2166.87) =	6.4412	Pr =	0.000				
<b>Region</b>							
UP/NW/NE (n=95)	32.2	[21.7,45.0]	59.7	[46.1,71.9]	8.1	[2.1,26.4]	100.0
W/E Central/E (n=163)	30.5	[23.2,38.8]	65.5	[56.8,73.2]	4.0	[1.6,9.9]	100.0
S Central/SW/SE (n=151)	25.3	[18.2,34.1]	68.9	[59.5,76.9]	5.8	[2.5,13.1]	100.0
Detroit Metro (n=197)	26.3	[19.9,33.9]	66.9	[58.9,74.0]	6.8	[3.7,12.4]	100.0
Pearson: Uncorrected chi2(6) =	3.7054						
Design-based F(5.66, 3359.77) =	0.4133	Pr =	0.861				
<b>Total (n=606)</b>	<b>27.8</b>	<b>[23.8,32.2]</b>	<b>66.2</b>	<b>[61.6,70.6]</b>	<b>6.0</b>	<b>[3.9,9.0]</b>	<b>100.0</b>

## 2.8 Q: In the past 3 years, how many places have you lived for one week or longer - including where you live now?

Universe: All respondents

	Number of places lived in past 3 years										Total Row%
	One		Two		Three		Four or more		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>											
19-34 (n=220)	34.6	[27.5,42.6]	38.3	[30.9,46.3]	13.3	[8.8,19.6]	12.9	[8.3,19.4]	0.9	[0.2,3.4]	100.0
35-50 (n=178)	47.0	[38.2,55.9]	30.3	[22.6,39.2]	15.5	[9.8,23.6]	6.8	[3.7,12.3]	0.5	[0.1,3.1]	100.0
51-64 (n=208)	61.5	[53.2,69.2]	23.7	[17.4,31.4]	9.9	[5.9,16.2]	4.8	[2.2,10.2]	0.1	[0.0,0.8]	100.0
Pearson: Uncorrected chi2(8) =	34.9973										
Design-based F(7.13, 4233.89) =	3.5394	Pr =	0.001								
<b>Gender</b>											
Male (n=325)	43.0	[36.8,49.5]	33.0	[27.1,39.4]	13.9	[10.0,19.0]	9.5	[6.3,14.2]	0.6	[0.2,2.3]	100.0
Female (n=281)	50.8	[43.6,57.9]	29.8	[23.7,36.6]	11.4	[7.4,17.3]	7.5	[4.5,12.2]	0.5	[0.1,2.2]	100.0
Pearson: Uncorrected chi2(4) =	3.6798										
Design-based F(3.84, 2282.50) =	0.7329	Pr =	0.564								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=400)	48.0	[42.0,54.0]	31.2	[25.8,37.1]	13.2	[9.7,17.9]	7.5	[4.8,11.5]	0.1	[0.0,0.4]	100.0
Black, non-Hispanic (n=114)	45.2	[35.0,55.9]	34.0	[24.7,44.8]	8.2	[3.7,17.0]	10.9	[5.8,19.6]	1.6	[0.4,6.1]	100.0
Hispanic (n=33)	38.2	[20.5,59.8]	23.9	[11.7,42.6]	20.2	[8.0,42.3]	15.5	[5.1,38.6]	2.2	[0.4,12.5]	100.0
Other, non-Hispanic (n=54)	37.7	[24.1,53.7]	37.6	[22.9,54.9]	17.2	[7.2,35.9]	7.5	[2.6,19.9]	0.0		100.0
Pearson: Uncorrected chi2(12) =	18.0187										
Design-based F(10.60, 6246.31) =	1.0773	Pr =	0.375								
<b>FPL category</b>											
0-35% (n=238)	46.6	[40.1,53.2]	30.7	[24.9,37.2]	13.4	[9.5,18.6]	8.8	[5.6,13.3]	0.5	[0.1,2.1]	100.0
36-99% (n=192)	42.4	[35.7,49.3]	35.4	[29.0,42.4]	12.5	[8.6,17.8]	9.8	[6.1,15.3]	0.0		100.0
100%+ (n=176)	46.9	[39.8,54.1]	32.8	[26.2,40.1]	11.4	[7.6,16.9]	7.5	[4.4,12.5]	1.4	[0.3,5.9]	100.0
Pearson: Uncorrected chi2(8) =	3.1247										
Design-based F(7.20, 4279.50) =	0.5254	Pr =	0.821								
<b>Region</b>											
UP/NW/NE (n=95)	54.2	[41.1,66.7]	34.3	[22.5,48.5]	7.1	[3.5,13.8]	4.4	[2.2,8.5]	0.0		100.0
W/E Central/E (n=162)	48.3	[39.3,57.5]	27.3	[19.9,36.2]	17.1	[10.7,26.1]	7.3	[3.5,14.7]	0.0		100.0
S Central/SW/SE (n=151)	38.0	[28.9,48.0]	30.3	[21.8,40.2]	13.7	[8.9,20.7]	16.2	[9.9,25.3]	1.9	[0.5,6.4]	100.0
Detroit Metro (n=198)	46.7	[38.7,54.9]	35.0	[27.7,43.1]	11.2	[6.8,17.8]	6.8	[3.6,12.2]	0.4	[0.1,2.1]	100.0
Pearson: Uncorrected chi2(12) =	26.2225										
Design-based F(9.84, 5844.89) =	1.9366	Pr =	0.037								
<b>Total (n=606)</b>	<b>45.9</b>	<b>[41.1,50.8]</b>	<b>31.8</b>	<b>[27.4,36.5]</b>	<b>13.0</b>	<b>[10.0,16.7]</b>	<b>8.8</b>	<b>[6.3,12.0]</b>	<b>0.6</b>	<b>[0.2,1.6]</b>	<b>100.0</b>

## 2.9 Q: Have you been homeless at any time in the last 12 months?

Universe: All respondents

	Homeless in the last 12 months				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Age</b>					
19-34 (n=220)	14.1	[9.1,21.0]	85.9	[79.0,90.9]	100.0
35-50 (n=176)	11.1	[6.7,17.9]	88.9	[82.1,93.3]	100.0
51-64 (n=209)	14.9	[9.5,22.6]	85.1	[77.4,90.5]	100.0
Pearson: Uncorrected chi2(2) =	1.2502				
Design-based F(1.99, 1180.59) =	0.3967	Pr =	0.672		
<b>Gender</b>					
Male (n=325)	15.0	[10.8,20.5]	85.0	[79.5,89.2]	100.0
Female (n=280)	10.7	[6.9,16.3]	89.3	[83.7,93.1]	100.0
Pearson: Uncorrected chi2(1) =	2.2798				
Design-based F(1.00, 593.00) =	1.5680	Pr =	0.211		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=401)	10.4	[7.1,15.0]	89.6	[85.0,92.9]	100.0
Black, non-Hispanic (n=114)	18.8	[11.6,28.8]	81.2	[71.2,88.4]	100.0
Hispanic (n=33)	17.6	[6.4,39.9]	82.4	[60.1,93.6]	100.0
Other, non-Hispanic (n=52)	18.2	[8.2,35.7]	81.8	[64.3,91.8]	100.0
Pearson: Uncorrected chi2(3) =	7.8538				
Design-based F(2.99, 1755.40) =	1.5249	Pr =	0.206		
<b>FPL category</b>					
0-35% (n=238)	16.0	[11.7,21.4]	84.0	[78.6,88.3]	100.0
36-99% (n=192)	7.8	[4.5,13.2]	92.2	[86.8,95.5]	100.0
100%+ (n=175)	6.8	[3.9,11.4]	93.2	[88.6,96.1]	100.0
Pearson: Uncorrected chi2(2) =	8.1171				
Design-based F(1.86, 1101.02) =	6.2031	Pr =	0.003		
<b>Region</b>					
UP/NW/NE (n=95)	11.0	[4.3,25.2]	89.0	[74.8,95.7]	100.0
W/E Central/E (n=162)	12.0	[6.8,20.3]	88.0	[79.7,93.2]	100.0
S Central/SW/SE (n=151)	13.5	[8.3,21.2]	86.5	[78.8,91.7]	100.0
Detroit Metro (n=197)	14.9	[9.8,22.0]	85.1	[78.0,90.2]	100.0
Pearson: Uncorrected chi2(3) =	1.0673				
Design-based F(2.95, 1749.16) =	0.2288	Pr =	0.873		
<b>Total (n=605)</b>	<b>13.4</b>	<b>[10.3,17.3]</b>	<b>86.6</b>	<b>[82.7,89.7]</b>	<b>100.0</b>

## 2.10 Q: How often do you need to have someone help you read instructions, pamphlets, or other written material from a doctor, pharmacy or health plan?

Universe: All respondents

	Never		Rarely		Need help reading written materials				Always		Total Row%
	Row%	95%CI	Row%	95%CI	Sometimes Row%	95%CI	Often Row%	95%CI	Row%	95%CI	
<b>Age</b>											
19-34 (n=220)	72.7	[64.9,79.3]	16.4	[11.1,23.5]	7.8	[4.5,13.2]	2.2	[0.7,6.5]	1.0	[0.3,3.3]	100.0
35-50 (n=177)	67.4	[58.4,75.3]	12.9	[7.8,20.8]	5.9	[3.1,10.8]	6.6	[3.4,12.7]	7.1	[3.5,13.8]	100.0
51-64 (n=209)	62.3	[54.0,69.9]	16.9	[11.5,24.2]	11.7	[7.3,18.4]	3.7	[1.8,7.5]	5.3	[2.6,10.6]	100.0
Pearson: Uncorrected chi2(8) =	22.4114										
Design-based F(7.71, 4577.23) =	2.0306	Pr =	0.042								
<b>Gender</b>											
Male (n=325)	64.1	[57.7,70.1]	18.6	[13.9,24.5]	8.1	[5.4,11.8]	4.7	[2.7,8.0]	4.5	[2.4,8.1]	100.0
Female (n=281)	74.9	[68.2,80.6]	10.2	[6.9,14.8]	8.7	[5.2,14.5]	2.8	[1.2,6.3]	3.4	[1.6,6.8]	100.0
Pearson: Uncorrected chi2(4) =	10.8324										
Design-based F(3.98, 2364.01) =	2.1294	Pr =	0.075								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=401)	70.6	[64.8,75.9]	15.0	[11.1,20.0]	6.7	[4.3,10.4]	5.3	[3.1,8.9]	2.4	[1.1,5.3]	100.0
Black, non-Hispanic (n=114)	71.2	[60.8,79.8]	16.7	[10.0,26.4]	4.7	[1.9,11.0]	2.5	[0.9,6.5]	5.0	[1.9,12.2]	100.0
Hispanic (n=33)	62.8	[42.0,79.8]	16.4	[5.2,40.9]	14.7	[6.0,31.5]	2.5	[0.4,15.2]	3.7	[0.9,13.6]	100.0
Other, non-Hispanic (n=53)	49.0	[33.0,65.3]	10.4	[3.8,25.3]	26.0	[14.1,42.9]	0.0		14.6	[6.3,30.4]	100.0
Pearson: Uncorrected chi2(12) =	50.0114										
Design-based F(11.21, 6601.72) =	3.0274	Pr =	0.000								
<b>FPL category</b>											
0-35% (n=239)	66.8	[60.3,72.7]	16.6	[12.1,22.2]	7.8	[5.0,12.0]	4.4	[2.5,7.7]	4.4	[2.4,7.9]	100.0
36-99% (n=192)	68.9	[62.1,74.9]	14.2	[10.0,19.7]	9.7	[6.3,14.5]	3.4	[1.7,6.8]	3.8	[1.8,8.0]	100.0
100%+ (n=175)	74.8	[67.9,80.6]	11.1	[7.5,16.0]	9.5	[5.7,15.5]	2.3	[0.9,5.7]	2.3	[0.9,5.6]	100.0
Pearson: Uncorrected chi2(8) =	4.0809										
Design-based F(7.21, 4284.74) =	0.7879	Pr =	0.601								
<b>Region</b>											
UP/NW/NE (n=95)	62.8	[49.5,74.4]	18.2	[10.1,30.6]	10.3	[4.1,23.6]	5.5	[2.0,14.2]	3.2	[1.0,9.9]	100.0
W/E Central/E (n=163)	66.8	[57.6,74.9]	15.2	[9.4,23.7]	10.9	[6.3,18.0]	3.8	[1.7,8.4]	3.2	[1.3,8.2]	100.0
S Central/SW/SE (n=151)	66.7	[56.4,75.5]	15.9	[9.6,25.3]	7.1	[3.6,13.7]	7.5	[3.2,16.3]	2.8	[1.0,7.5]	100.0
Detroit Metro (n=197)	71.2	[63.3,78.0]	14.7	[9.7,21.7]	6.7	[3.8,11.5]	1.8	[0.7,4.8]	5.5	[2.7,10.9]	100.0
Pearson: Uncorrected chi2(12) =	13.3102										
Design-based F(11.43, 6789.98) =	0.8650	Pr =	0.578								
<b>Total (n=606)</b>	<b>68.2</b>	<b>[63.4,72.6]</b>	<b>15.5</b>	<b>[12.1,19.5]</b>	<b>8.3</b>	<b>[6.1,11.3]</b>	<b>4.0</b>	<b>[2.5,6.3]</b>	<b>4.1</b>	<b>[2.5,6.5]</b>	<b>100.0</b>

### 3 Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

#### 3.1 Q: In general, would you say your health is:

Universe: All respondents

	Health status												Total Row%
	Excellent		Very good		Good		Fair		Poor		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>													
19-34 (n=220)	12.1	[7.8,18.3]	29.2	[22.5,37.0]	35.4	[28.3,43.2]	21.5	[15.4,29.2]	1.8	[0.7,4.8]	0.0		100.0
35-50 (n=177)	10.7	[6.1,18.0]	26.4	[19.2,35.1]	31.4	[23.9,39.9]	23.0	[16.1,31.7]	7.2	[3.8,13.2]	1.4	[0.2,8.8]	100.0
51-64 (n=209)	5.8	[2.9,11.2]	18.7	[13.3,25.7]	32.6	[25.5,40.7]	32.1	[24.9,40.2]	10.0	[6.0,16.3]	0.8	[0.1,5.2]	100.0
Pearson: Uncorrected chi2(10) =	30.2443												
Design-based F(9.51, 5646.91) =	2.0020		Pr =	0.032									
<b>Gender</b>													
Male (n=326)	11.3	[7.8,16.1]	22.5	[17.6,28.4]	34.3	[28.6,40.6]	25.8	[20.5,32.0]	5.0	[2.9,8.5]	1.0	[0.3,4.1]	100.0
Female (n=280)	7.5	[4.3,12.7]	30.2	[23.9,37.3]	31.8	[25.7,38.6]	23.5	[17.8,30.3]	7.0	[4.2,11.3]	0.0		100.0
Pearson: Uncorrected chi2(5) =	9.2118												
Design-based F(4.87, 2892.24) =	1.2225		Pr =	0.296									
<b>Race/ethnicity</b>													
White, non-Hispanic (n=400)	7.9	[5.2,11.7]	29.5	[24.2,35.3]	29.4	[24.4,35.0]	26.2	[21.1,32.0]	6.0	[3.9,9.2]	1.1	[0.3,4.2]	100.0
Black, non-Hispanic (n=114)	14.2	[7.8,24.6]	20.3	[13.2,30.0]	37.8	[28.2,48.3]	23.8	[15.8,34.4]	3.8	[1.5,9.8]	0.0		100.0
Hispanic (n=33)	5.7	[1.4,20.2]	33.4	[16.1,56.7]	36.4	[19.7,57.2]	18.2	[8.3,35.3]	6.3	[1.2,26.8]	0.0		100.0
Other, non-Hispanic (n=54)	16.4	[7.4,32.4]	6.0	[2.8,12.7]	45.3	[29.9,61.6]	23.1	[11.5,41.1]	9.2	[2.7,27.0]	0.0		100.0
Pearson: Uncorrected chi2(15) =	29.6453												
Design-based F(13.94, 8208.70) =	1.3019		Pr =	0.197									
<b>FPL category</b>													
0-35% (n=239)	10.0	[6.6,14.9]	25.3	[20.0,31.5]	30.0	[24.4,36.3]	27.4	[22.0,33.7]	6.3	[4.0,10.0]	0.9	[0.2,3.7]	100.0
36-99% (n=191)	7.0	[4.2,11.5]	25.1	[19.4,31.8]	44.1	[37.3,51.2]	18.7	[13.8,24.7]	5.1	[3.0,8.7]	0.0		100.0
100%+ (n=176)	12.9	[8.6,19.1]	26.3	[20.4,33.2]	37.7	[31.0,44.9]	19.6	[14.3,26.2]	3.4	[1.7,6.8]	0.0		100.0
Pearson: Uncorrected chi2(10) =	13.3000												
Design-based F(6.88, 4084.26) =	1.8248		Pr =	0.080									
<b>Region</b>													
UP/NW/NE (n=95)	6.9	[3.0,15.4]	19.8	[11.1,32.8]	27.3	[18.3,38.6]	37.8	[25.9,51.5]	8.1	[3.4,18.3]	0.0		100.0
W/E Central/E (n=162)	6.0	[3.5,10.3]	30.8	[22.9,40.1]	27.5	[20.3,36.2]	23.6	[16.6,32.6]	9.7	[5.5,16.5]	2.3	[0.6,9.0]	100.0
S Central/SW/SE (n=151)	11.0	[5.8,19.6]	25.0	[17.5,34.3]	32.1	[23.9,41.6]	28.2	[19.8,38.5]	3.7	[1.8,7.5]	0.0		100.0
Detroit Metro (n=198)	12.6	[7.9,19.7]	23.2	[17.0,30.8]	39.6	[32.0,47.7]	21.0	[15.0,28.5]	3.6	[1.5,8.2]	0.0		100.0
Pearson: Uncorrected chi2(15) =	37.8461												
Design-based F(12.50, 7424.07) =	2.1507		Pr =	0.010									
<b>Total (n=606)</b>	<b>9.9</b>	<b>[7.3,13.3]</b>	<b>25.4</b>	<b>[21.4,29.9]</b>	<b>33.4</b>	<b>[29.1,38.0]</b>	<b>24.9</b>	<b>[20.9,29.5]</b>	<b>5.8</b>	<b>[4.0,8.3]</b>	<b>0.6</b>	<b>[0.2,2.6]</b>	<b>100.0</b>

### 3.2 Q: Has a doctor or other health professional ever told you that you had any of the following?

Universe: All respondents

	Weighted Proportion	95%CI
<b>Mood disorder</b>		
Yes (n=184)	30.5	[26.2, 35.1]
No (n=418)	68.3	[63.7, 72.6]
Don't know (n=5)	1.2	[0.5, 3.1]
<b>Hypertension</b>		
Yes (n=181)	28.5	[24.4, 33.0]
No (n=425)	71.3	[66.8, 75.4]
Don't know (n=1)	0.1	[0.0, 0.8]
<b>Other health condition</b>		
Yes (n=156)	23.6	[19.8, 27.8]
No (n=450)	76.3	[72.1, 80.1]
Don't know (n=1)	0.1	[0.0, 0.5]
<b>Arthritis or a related condition</b>		
Yes (n=134)	21.4	[17.8, 25.5]
No (n=471)	78.3	[74.2, 81.9]
Don't know (n=1)	0.3	[0.0, 2.1]
<b>Asthma</b>		
Yes (n=80)	12.6	[9.8, 16.1]
No (n=527)	87.4	[83.9, 90.2]
<b>Diabetes</b>		
Yes (n=49)	7.0	[5.0, 9.5]
No (n=556)	92.7	[90.1, 94.7]
Don't know (n=2)	0.3	[0.1, 1.5]
<b>Chronic lung disease</b>		
Yes (n=54)	7.0	[5.1, 9.5]
No (n=550)	92.4	[89.9, 94.4]
Don't know (n=3)	0.5	[0.2, 1.7]
<b>Heart condition or heart disease</b>		
Yes (n=47)	6.0	[4.2, 8.4]
No (n=556)	93.1	[90.3, 95.1]
Don't know (n=4)	1.0	[0.3, 3.1]
<b>Substance use disorder</b>		
Yes (n=24)	4.9	[3.1, 7.6]
No (n=582)	95.1	[92.4, 96.9]
<b>Cancer</b>		
Yes (n=29)	4.4	[2.8, 6.6]
No (n=575)	95.0	[92.5, 96.6]
Don't know (n=3)	0.7	[0.2, 2.3]
<b>Stroke</b>		
Yes (n=16)	2.2	[1.2, 3.9]
No (n=591)	97.8	[96.1, 98.8]

**Note:** Respondents were able to provide multiple responses

### 3.2.1 Any chronic condition

Universe: All respondents

	Any chronic condition				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Age</b>					
19-34 (n=220)	55.7	[47.7,63.4]	44.3	[36.6,52.3]	100.0
35-50 (n=178)	66.2	[57.1,74.3]	33.8	[25.7,42.9]	100.0
51-64 (n=209)	83.7	[76.6,89.0]	16.3	[11.0,23.4]	100.0
Pearson: Uncorrected chi2(2) =	36.0689				
Design-based F(1.98, 1175.63) =	12.2466	Pr =	0.000		
<b>Gender</b>					
Male (n=326)	63.0	[56.5,69.1]	37.0	[30.9,43.5]	100.0
Female (n=281)	73.1	[66.1,79.1]	26.9	[20.9,33.9]	100.0
Pearson: Uncorrected chi2(1) =	6.5475				
Design-based F(1.00, 595.00) =	4.5873	Pr =	0.033		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=401)	70.2	[64.3,75.5]	29.8	[24.5,35.7]	100.0
Black, non-Hispanic (n=114)	53.5	[42.8,63.9]	46.5	[36.1,57.2]	100.0
Hispanic (n=33)	75.6	[53.8,89.1]	24.4	[10.9,46.2]	100.0
Other, non-Hispanic (n=54)	69.5	[52.3,82.6]	30.5	[17.4,47.7]	100.0
Pearson: Uncorrected chi2(3) =	14.6594				
Design-based F(2.99, 1761.57) =	2.9969	Pr =	0.030		
<b>FPL category</b>					
0-35% (n=239)	67.8	[61.2,73.7]	32.2	[26.3,38.8]	100.0
36-99% (n=192)	63.9	[56.8,70.5]	36.1	[29.5,43.2]	100.0
100%+ (n=176)	65.1	[57.7,71.9]	34.9	[28.1,42.3]	100.0
Pearson: Uncorrected chi2(2) =	0.6824				
Design-based F(1.80, 1073.30) =	0.4654	Pr =	0.608		
<b>Region</b>					
UP/NW/NE (n=95)	61.4	[47.5,73.7]	38.6	[26.3,52.5]	100.0
W/E Central/E (n=163)	72.5	[63.9,79.7]	27.5	[20.3,36.1]	100.0
S Central/SW/SE (n=151)	70.0	[59.9,78.4]	30.0	[21.6,40.1]	100.0
Detroit Metro (n=198)	62.4	[54.0,70.1]	37.6	[29.9,46.0]	100.0
Pearson: Uncorrected chi2(3) =	6.0169				
Design-based F(2.95, 1757.84) =	1.4305	Pr =	0.232		
<b>Total (n=607)</b>	<b>66.8</b>	<b>[62.0,71.3]</b>	<b>33.2</b>	<b>[28.7,38.0]</b>	<b>100.0</b>

### 3.2.2 Count of chronic conditions

Universe: All respondents

	None		Number of chronic conditions				Total Row%
	Row%	95%CI	One Row%	95%CI	Two or more Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	44.3	[36.6,52.3]	31.0	[24.0,38.9]	24.7	[18.7,32.0]	100.0
35-50 (n=178)	33.8	[25.7,42.9]	20.7	[14.5,28.7]	45.5	[36.8,54.5]	100.0
51-64 (n=209)	16.3	[11.0,23.4]	23.0	[16.8,30.5]	60.8	[52.6,68.4]	100.0
Pearson: Uncorrected chi2(4) =	62.3356						
Design-based F(3.96, 2357.66) =	10.8072	Pr =	0.000				
<b>Gender</b>							
Male (n=326)	37.0	[30.9,43.5]	26.0	[20.7,32.1]	37.0	[31.1,43.4]	100.0
Female (n=281)	26.9	[20.9,33.9]	24.9	[19.1,31.7]	48.3	[41.2,55.4]	100.0
Pearson: Uncorrected chi2(2) =	8.8103						
Design-based F(2.00, 1189.13) =	3.1358	Pr =	0.044				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	29.8	[24.5,35.7]	26.4	[21.4,32.0]	43.9	[38.0,49.9]	100.0
Black, non-Hispanic (n=114)	46.5	[36.1,57.2]	21.5	[14.0,31.6]	32.0	[23.2,42.2]	100.0
Hispanic (n=33)	24.4	[10.9,46.2]	31.8	[14.8,55.6]	43.8	[25.7,63.7]	100.0
Other, non-Hispanic (n=54)	30.5	[17.4,47.7]	28.4	[16.1,45.2]	41.1	[26.3,57.6]	100.0
Pearson: Uncorrected chi2(6) =	15.1155						
Design-based F(5.87, 3462.87) =	1.5458	Pr =	0.161				
<b>FPL category</b>							
0-35% (n=239)	32.2	[26.3,38.8]	26.0	[20.6,32.2]	41.8	[35.7,48.2]	100.0
36-99% (n=192)	36.1	[29.5,43.2]	23.3	[17.9,29.7]	40.6	[34.0,47.6]	100.0
100%+ (n=176)	34.9	[28.1,42.3]	26.4	[20.4,33.3]	38.7	[31.9,46.1]	100.0
Pearson: Uncorrected chi2(4) =	0.8744						
Design-based F(3.61, 2150.66) =	0.3128	Pr =	0.852				
<b>Region</b>							
UP/NW/NE (n=95)	38.6	[26.3,52.5]	16.6	[9.4,27.7]	44.8	[32.7,57.6]	100.0
W/E Central/E (n=163)	27.5	[20.3,36.1]	21.8	[15.0,30.6]	50.7	[41.7,59.7]	100.0
S Central/SW/SE (n=151)	30.0	[21.6,40.1]	30.6	[22.2,40.5]	39.4	[30.3,49.2]	100.0
Detroit Metro (n=198)	37.6	[29.9,46.0]	27.6	[20.9,35.5]	34.8	[27.7,42.8]	100.0
Pearson: Uncorrected chi2(6) =	14.9030						
Design-based F(5.80, 3452.67) =	1.8404	Pr =	0.090				
<b>Total (n=607)</b>	<b>33.2</b>	<b>[28.7,38.0]</b>	<b>25.6</b>	<b>[21.5,30.1]</b>	<b>41.2</b>	<b>[36.6,46.0]</b>	<b>100.0</b>

### 3.2.3 Q: Has a doctor or other health professional ever told you that you had a mood disorder (for example, depression, anxiety, bipolar disorder)?

Universe: All respondents

	Mood disorder						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	31.3	[24.5,39.1]	68.7	[60.9,75.5]	0.0		100.0
35-50 (n=178)	31.0	[23.4,39.9]	67.7	[58.7,75.5]	1.3	[0.2,8.3]	100.0
51-64 (n=209)	28.6	[21.9,36.3]	68.4	[60.5,75.4]	3.0	[1.1,8.2]	100.0
Pearson: Uncorrected chi2(4) =	7.6639						
Design-based F(3.79, 2255.13) =	1.1669	Pr =	0.323				
<b>Gender</b>							
Male (n=326)	24.8	[19.6,30.8]	73.2	[67.1,78.6]	2.0	[0.8,5.0]	100.0
Female (n=281)	39.9	[33.1,47.2]	60.1	[52.8,66.9]	0.0		100.0
Pearson: Uncorrected chi2(2) =	18.7201						
Design-based F(1.99, 1181.75) =	5.9807	Pr =	0.003				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	34.1	[28.6,40.0]	64.9	[59.0,70.4]	1.0	[0.3,3.3]	100.0
Black, non-Hispanic (n=114)	17.5	[10.8,27.2]	79.7	[69.6,87.0]	2.8	[0.7,10.6]	100.0
Hispanic (n=33)	47.6	[28.4,67.6]	52.4	[32.4,71.6]	0.0		100.0
Other, non-Hispanic (n=54)	28.6	[15.9,45.9]	71.4	[54.1,84.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	22.0003						
Design-based F(5.92, 3495.25) =	2.2236	Pr =	0.039				
<b>FPL category</b>							
0-35% (n=239)	32.4	[26.6,38.7]	66.0	[59.6,71.8]	1.6	[0.6,4.4]	100.0
36-99% (n=192)	22.9	[17.7,29.0]	76.6	[70.4,81.8]	0.5	[0.1,3.2]	100.0
100%+ (n=176)	30.1	[23.7,37.4]	69.9	[62.6,76.3]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.7754						
Design-based F(3.01, 1789.24) =	1.6619	Pr =	0.173				
<b>Region</b>							
UP/NW/NE (n=95)	30.9	[20.9,43.2]	69.1	[56.8,79.1]	0.0		100.0
W/E Central/E (n=163)	38.1	[29.6,47.4]	60.4	[51.1,69.0]	1.5	[0.3,6.9]	100.0
S Central/SW/SE (n=151)	31.8	[23.5,41.4]	67.5	[57.8,75.8]	0.8	[0.1,5.0]	100.0
Detroit Metro (n=198)	24.4	[18.0,32.1]	74.0	[66.2,80.6]	1.6	[0.4,6.2]	100.0
Pearson: Uncorrected chi2(6) =	10.3566						
Design-based F(5.65, 3363.05) =	1.2382	Pr =	0.285				
<b>Total (n=607)</b>	<b>30.5</b>	<b>[26.2,35.1]</b>	<b>68.3</b>	<b>[63.7,72.6]</b>	<b>1.2</b>	<b>[0.5,3.1]</b>	<b>100.0</b>

### 3.2.4 Q: Has a doctor or other health professional ever told you that you had hypertension, also called high blood pressure?

Universe: All respondents

	Hypertension						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	12.9	[8.2,19.7]	87.1	[80.3,91.8]	0.0		100.0
35-50 (n=178)	25.0	[18.2,33.3]	74.6	[66.3,81.4]	0.4	[0.1,2.6]	100.0
51-64 (n=209)	55.3	[47.1,63.2]	44.7	[36.8,52.9]	0.0		100.0
Pearson: Uncorrected chi2(4) =	92.8618						
Design-based F(3.66, 2179.63) =	18.2343	Pr =	0.000				
<b>Gender</b>							
Male (n=326)	27.2	[21.9,33.2]	72.6	[66.6,77.9]	0.2	[0.0,1.3]	100.0
Female (n=281)	30.8	[24.6,37.7]	69.2	[62.3,75.4]	0.0		100.0
Pearson: Uncorrected chi2(2) =	1.3505						
Design-based F(1.81, 1077.12) =	0.6658	Pr =	0.500				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	27.3	[22.4,32.7]	72.5	[67.0,77.4]	0.2	[0.0,1.3]	100.0
Black, non-Hispanic (n=114)	29.7	[21.1,40.0]	70.3	[60.0,78.9]	0.0		100.0
Hispanic (n=33)	27.2	[12.6,49.2]	72.8	[50.8,87.4]	0.0		100.0
Other, non-Hispanic (n=54)	30.8	[18.1,47.3]	69.2	[52.7,81.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	0.9744						
Design-based F(5.63, 3323.34) =	0.1143	Pr =	0.993				
<b>FPL category</b>							
0-35% (n=239)	30.6	[25.1,36.8]	69.4	[63.2,74.9]	0.0		100.0
36-99% (n=192)	21.5	[16.7,27.4]	77.7	[71.7,82.7]	0.8	[0.1,4.6]	100.0
100%+ (n=176)	26.5	[20.5,33.5]	73.5	[66.5,79.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	7.2626						
Design-based F(3.08, 1833.14) =	3.5877	Pr =	0.012				
<b>Region</b>							
UP/NW/NE (n=95)	36.5	[25.2,49.5]	63.5	[50.5,74.8]	0.0		100.0
W/E Central/E (n=163)	26.7	[19.4,35.5]	72.8	[64.0,80.2]	0.5	[0.1,2.8]	100.0
S Central/SW/SE (n=151)	27.3	[19.5,36.8]	72.7	[63.2,80.5]	0.0		100.0
Detroit Metro (n=198)	28.6	[22.0,36.2]	71.4	[63.8,78.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.2170						
Design-based F(4.27, 2542.90) =	0.8409	Pr =	0.505				
<b>Total (n=607)</b>	<b>28.5</b>	<b>[24.4,33.0]</b>	<b>71.3</b>	<b>[66.8,75.4]</b>	<b>0.1</b>	<b>[0.0,0.8]</b>	<b>100.0</b>

**3.2.5 Q: Has a doctor or other health professional ever told you that you had arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)?n**

Universe: All respondents

	Arthritis or a related condition						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	7.9	[4.6,13.2]	92.1	[86.8,95.4]	0.0		100.0
35-50 (n=177)	22.2	[15.7,30.4]	76.8	[68.4,83.5]	1.0	[0.2,6.7]	100.0
51-64 (n=209)	40.3	[32.6,48.6]	59.7	[51.4,67.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	68.5060						
Design-based F(3.93, 2334.65) =	11.3476	Pr =	0.000				
<b>Gender</b>							
Male (n=326)	19.4	[14.8,25.0]	80.1	[74.5,84.7]	0.5	[0.1,3.3]	100.0
Female (n=280)	24.7	[19.3,31.0]	75.3	[69.0,80.7]	0.0		100.0
Pearson: Uncorrected chi2(2) =	3.4060						
Design-based F(1.95, 1159.60) =	1.0912	Pr =	0.335				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	22.6	[18.1,27.9]	76.9	[71.5,81.5]	0.5	[0.1,3.4]	100.0
Black, non-Hispanic (n=114)	19.6	[12.7,29.1]	80.4	[70.9,87.3]	0.0		100.0
Hispanic (n=33)	6.3	[1.8,19.4]	93.7	[80.6,98.2]	0.0		100.0
Other, non-Hispanic (n=53)	28.6	[15.9,46.0]	71.4	[54.0,84.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	8.7550						
Design-based F(5.79, 3409.64) =	0.9796	Pr =	0.436				
<b>FPL category</b>							
0-35% (n=238)	23.6	[18.7,29.3]	76.0	[70.2,80.9]	0.4	[0.1,3.0]	100.0
36-99% (n=192)	16.4	[12.1,21.8]	83.6	[78.2,87.9]	0.0		100.0
100%+ (n=176)	16.1	[11.5,22.0]	83.9	[78.0,88.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	4.9655						
Design-based F(2.32, 1376.66) =	1.6311	Pr =	0.191				
<b>Region</b>							
UP/NW/NE (n=95)	20.7	[12.4,32.4]	79.3	[67.6,87.6]	0.0		100.0
W/E Central/E (n=162)	26.6	[19.5,35.3]	72.2	[63.5,79.6]	1.1	[0.2,7.4]	100.0
S Central/SW/SE (n=151)	18.7	[12.5,26.9]	81.3	[73.1,87.5]	0.0		100.0
Detroit Metro (n=198)	19.4	[13.8,26.5]	80.6	[73.5,86.2]	0.0		100.0
Pearson: Uncorrected chi2(6) =	9.1908						
Design-based F(4.27, 2537.40) =	1.5413	Pr =	0.184				
<b>Total (n=606)</b>	<b>21.4</b>	<b>[17.8,25.5]</b>	<b>78.3</b>	<b>[74.2,81.9]</b>	<b>0.3</b>	<b>[0.0,2.1]</b>	<b>100.0</b>

### 3.2.6 Q: Has a doctor or other health professional ever told you that you had asthma?

Universe: All respondents

	Yes		Asthma No		Total Row%
	Row%	95%CI	Row%	95%CI	
<b>Age</b>					
19-34 (n=220)	17.1	[11.9,24.1]	82.9	[75.9,88.1]	100.0
35-50 (n=178)	11.9	[7.5,18.5]	88.1	[81.5,92.5]	100.0
51-64 (n=209)	6.6	[4.0,10.9]	93.4	[89.1,96.0]	100.0
Pearson: Uncorrected chi2(2) =	10.2582				
Design-based F(1.90, 1130.83) =	4.2666	Pr =	0.016		
<b>Gender</b>					
Male (n=326)	11.7	[8.1,16.5]	88.3	[83.5,91.9]	100.0
Female (n=281)	14.1	[9.9,19.6]	85.9	[80.4,90.1]	100.0
Pearson: Uncorrected chi2(1) =	0.7472				
Design-based F(1.00, 595.00) =	0.5564	Pr =	0.456		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=401)	14.3	[10.5,19.2]	85.7	[80.8,89.5]	100.0
Black, non-Hispanic (n=114)	8.3	[4.4,15.3]	91.7	[84.7,95.6]	100.0
Hispanic (n=33)	9.6	[3.9,22.0]	90.4	[78.0,96.1]	100.0
Other, non-Hispanic (n=54)	9.8	[4.2,21.1]	90.2	[78.9,95.8]	100.0
Pearson: Uncorrected chi2(3) =	4.0236				
Design-based F(2.90, 1712.81) =	1.2595	Pr =	0.287		
<b>FPL category</b>					
0-35% (n=239)	11.5	[7.9,16.4]	88.5	[83.6,92.1]	100.0
36-99% (n=192)	18.6	[13.6,24.8]	81.4	[75.2,86.4]	100.0
100%+ (n=176)	10.8	[7.1,16.0]	89.2	[84.0,92.9]	100.0
Pearson: Uncorrected chi2(2) =	4.0824				
Design-based F(1.74, 1034.85) =	2.8155	Pr =	0.068		
<b>Region</b>					
UP/NW/NE (n=95)	5.3	[2.6,10.5]	94.7	[89.5,97.4]	100.0
W/E Central/E (n=163)	13.3	[8.6,19.9]	86.7	[80.1,91.4]	100.0
S Central/SW/SE (n=151)	20.1	[12.9,29.9]	79.9	[70.1,87.1]	100.0
Detroit Metro (n=198)	9.7	[5.8,15.8]	90.3	[84.2,94.2]	100.0
Pearson: Uncorrected chi2(3) =	11.5763				
Design-based F(2.51, 1495.80) =	3.3991	Pr =	0.024		
<b>Total (n=607)</b>	<b>12.6</b>	<b>[9.8,16.1]</b>	<b>87.4</b>	<b>[83.9,90.2]</b>	<b>100.0</b>

### 3.2.7 Q: Has a doctor or other health professional ever told you that you had diabetes or sugar diabetes (other than during pregnancy)?

Universe: All respondents

	Diabetes						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	1.3	[0.4,4.1]	98.7	[95.9,99.6]	0.0		100.0
35-50 (n=178)	6.0	[3.1,11.2]	94.0	[88.8,96.9]	0.0		100.0
51-64 (n=209)	16.2	[11.1,23.2]	82.7	[75.6,88.0]	1.1	[0.2,5.3]	100.0
Pearson: Uncorrected chi2(4) =	40.3463						
Design-based F(3.93, 2335.66) =	7.7296	Pr =	0.000				
<b>Gender</b>							
Male (n=326)	5.1	[3.1,8.4]	94.4	[91.0,96.5]	0.5	[0.1,2.5]	100.0
Female (n=281)	10.0	[6.6,14.9]	90.0	[85.1,93.4]	0.0		100.0
Pearson: Uncorrected chi2(2) =	6.2100						
Design-based F(2.00, 1189.34) =	2.4697	Pr =	0.085				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	7.5	[5.0,11.1]	92.5	[88.9,95.0]	0.0		100.0
Black, non-Hispanic (n=114)	8.1	[4.1,15.1]	90.8	[83.5,95.1]	1.1	[0.2,7.2]	100.0
Hispanic (n=33)	1.8	[0.5,6.3]	98.2	[93.7,99.5]	0.0		100.0
Other, non-Hispanic (n=54)	4.9	[2.1,10.6]	94.6	[88.7,97.5]	0.6	[0.1,3.4]	100.0
Pearson: Uncorrected chi2(6) =	6.7022						
Design-based F(4.22, 2492.08) =	1.1970	Pr =	0.310				
<b>FPL category</b>							
0-35% (n=239)	7.7	[5.1,11.4]	92.0	[88.2,94.6]	0.4	[0.1,2.4]	100.0
36-99% (n=192)	6.1	[3.8,9.7]	93.9	[90.3,96.2]	0.0		100.0
100%+ (n=176)	4.1	[2.2,7.4]	95.5	[92.1,97.5]	0.4	[0.1,2.2]	100.0
Pearson: Uncorrected chi2(4) =	1.8007						
Design-based F(2.61, 1553.44) =	0.6767	Pr =	0.546				
<b>Region</b>							
UP/NW/NE (n=95)	4.8	[2.1,10.5]	95.2	[89.5,97.9]	0.0		100.0
W/E Central/E (n=163)	7.0	[3.8,12.6]	92.8	[87.2,96.1]	0.2	[0.0,1.0]	100.0
S Central/SW/SE (n=151)	5.7	[3.0,10.4]	94.3	[89.6,97.0]	0.0		100.0
Detroit Metro (n=198)	8.1	[4.8,13.4]	91.3	[85.8,94.7]	0.6	[0.1,4.2]	100.0
Pearson: Uncorrected chi2(6) =	2.8500						
Design-based F(4.28, 2546.19) =	0.6020	Pr =	0.672				
<b>Total (n=607)</b>	<b>7.0</b>	<b>[5.0,9.5]</b>	<b>92.7</b>	<b>[90.1,94.7]</b>	<b>0.3</b>	<b>[0.1,1.5]</b>	<b>100.0</b>

### 3.2.8 Q: Has a doctor or other health professional ever told you that you had chronic lung disease, such as chronic bronchitis, COPD or emphysema?

Universe: All respondents

	Chronic lung disease						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	2.7	[1.4,5.1]	97.3	[94.9,98.6]	0.0		100.0
35-50 (n=178)	6.9	[3.4,13.3]	92.7	[86.3,96.2]	0.4	[0.1,2.6]	100.0
51-64 (n=209)	13.5	[9.2,19.5]	85.1	[78.8,89.7]	1.4	[0.3,5.6]	100.0
Pearson: Uncorrected chi2(4) =	22.4684						
Design-based F(3.68, 2188.68) =	5.3990	Pr =	0.000				
<b>Gender</b>							
Male (n=326)	5.2	[3.1,8.7]	93.9	[90.4,96.2]	0.8	[0.3,2.6]	100.0
Female (n=281)	10.0	[6.9,14.4]	90.0	[85.6,93.1]	0.0		100.0
Pearson: Uncorrected chi2(2) =	6.7745						
Design-based F(2.00, 1188.91) =	2.9566	Pr =	0.052				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	7.8	[5.3,11.3]	92.0	[88.4,94.5]	0.2	[0.0,1.5]	100.0
Black, non-Hispanic (n=114)	5.4	[2.6,10.8]	92.9	[86.9,96.3]	1.7	[0.4,6.7]	100.0
Hispanic (n=33)	5.6	[1.9,15.0]	94.4	[85.0,98.1]	0.0		100.0
Other, non-Hispanic (n=54)	5.4	[1.4,19.0]	94.6	[81.0,98.6]	0.0		100.0
Pearson: Uncorrected chi2(6) =	5.8179						
Design-based F(5.47, 3225.79) =	0.8584	Pr =	0.516				
<b>FPL category</b>							
0-35% (n=239)	6.4	[4.1,10.0]	93.0	[89.4,95.4]	0.6	[0.1,2.3]	100.0
36-99% (n=192)	8.8	[5.7,13.2]	90.5	[85.8,93.7]	0.8	[0.1,4.6]	100.0
100%+ (n=176)	7.9	[4.8,12.9]	92.1	[87.1,95.2]	0.0		100.0
Pearson: Uncorrected chi2(4) =	1.3468						
Design-based F(3.55, 2109.38) =	0.4270	Pr =	0.766				
<b>Region</b>							
UP/NW/NE (n=95)	12.6	[7.1,21.5]	85.9	[76.6,91.9]	1.5	[0.2,9.3]	100.0
W/E Central/E (n=163)	5.8	[2.9,11.2]	94.2	[88.8,97.1]	0.0		100.0
S Central/SW/SE (n=151)	7.8	[3.9,15.3]	92.2	[84.7,96.1]	0.0		100.0
Detroit Metro (n=198)	6.1	[3.6,10.1]	92.9	[88.7,95.7]	1.0	[0.2,3.9]	100.0
Pearson: Uncorrected chi2(6) =	7.1389						
Design-based F(5.07, 3016.67) =	1.2930	Pr =	0.263				
<b>Total (n=607)</b>	<b>7.0</b>	<b>[5.1,9.5]</b>	<b>92.4</b>	<b>[89.9,94.4]</b>	<b>0.5</b>	<b>[0.2,1.7]</b>	<b>100.0</b>

### 3.2.9 Q: Has a doctor or other health professional ever told you that you had a heart condition or heart disease?

Universe: All respondents

	Heart condition or heart disease						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	0.6	[0.1,3.0]	99.4	[97.0,99.9]	0.0		100.0
35-50 (n=178)	7.4	[4.1,12.9]	91.1	[84.7,95.0]	1.5	[0.2,9.4]	100.0
51-64 (n=209)	12.2	[7.8,18.7]	85.9	[79.0,90.8]	1.9	[0.5,7.1]	100.0
Pearson: Uncorrected chi2(4) =	30.3122						
Design-based F(3.51, 2089.29) =	4.7453	Pr =	0.001				
<b>Gender</b>							
Male (n=326)	6.3	[4.0,9.9]	92.2	[88.1,94.9]	1.5	[0.5,4.9]	100.0
Female (n=281)	5.4	[3.1,9.1]	94.5	[90.8,96.8]	0.1	[0.0,0.7]	100.0
Pearson: Uncorrected chi2(2) =	3.0868						
Design-based F(1.50, 895.39) =	2.2147	Pr =	0.124				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	8.2	[5.5,11.9]	91.0	[87.1,93.9]	0.8	[0.2,3.4]	100.0
Black, non-Hispanic (n=114)	2.4	[0.8,7.2]	97.4	[92.8,99.1]	0.2	[0.0,1.1]	100.0
Hispanic (n=33)	1.7	[0.3,9.4]	98.3	[90.6,99.7]	0.0		100.0
Other, non-Hispanic (n=54)	3.0	[1.0,8.8]	91.7	[74.4,97.7]	5.3	[0.8,28.3]	100.0
Pearson: Uncorrected chi2(6) =	19.4724						
Design-based F(4.00, 2358.16) =	2.9471	Pr =	0.019				
<b>FPL category</b>							
0-35% (n=239)	5.8	[3.6,9.4]	92.8	[88.8,95.5]	1.3	[0.4,4.4]	100.0
36-99% (n=192)	4.8	[2.8,8.0]	95.0	[91.7,97.0]	0.2	[0.0,1.5]	100.0
100%+ (n=176)	8.2	[5.3,12.5]	91.8	[87.5,94.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	2.8785						
Design-based F(2.33, 1387.32) =	0.8737	Pr =	0.432				
<b>Region</b>							
UP/NW/NE (n=95)	7.2	[3.0,16.3]	91.3	[81.7,96.1]	1.5	[0.2,9.7]	100.0
W/E Central/E (n=163)	7.3	[3.9,13.3]	92.7	[86.7,96.1]	0.0		100.0
S Central/SW/SE (n=151)	4.1	[2.0,8.3]	94.3	[88.4,97.3]	1.6	[0.2,10.0]	100.0
Detroit Metro (n=198)	5.8	[3.1,10.5]	93.0	[87.7,96.1]	1.2	[0.2,6.8]	100.0
Pearson: Uncorrected chi2(6) =	3.9571						
Design-based F(5.07, 3018.87) =	0.4715	Pr =	0.800				
<b>Total (n=607)</b>	<b>6.0</b>	<b>[4.2,8.4]</b>	<b>93.1</b>	<b>[90.3,95.1]</b>	<b>1.0</b>	<b>[0.3,3.1]</b>	<b>100.0</b>

### 3.2.10 Q: Has a doctor or other health professional ever told you that you had a substance use disorder?

Universe: All respondents

	Substance use disorder				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Age</b>					
19-34 (n=220)	2.9	[1.3,6.5]	97.1	[93.5,98.7]	100.0
35-50 (n=177)	7.6	[3.7,15.0]	92.4	[85.0,96.3]	100.0
51-64 (n=209)	4.9	[2.3,10.1]	95.1	[89.9,97.7]	100.0
Pearson: Uncorrected chi2(2) =	5.0525				
Design-based F(1.97, 1171.57) =	1.7236	Pr =	0.179		
<b>Gender</b>					
Male (n=326)	5.6	[3.2,9.6]	94.4	[90.4,96.8]	100.0
Female (n=280)	3.8	[1.9,7.4]	96.2	[92.6,98.1]	100.0
Pearson: Uncorrected chi2(1) =	0.9808				
Design-based F(1.00, 594.00) =	0.7497	Pr =	0.387		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=401)	6.3	[3.8,10.3]	93.7	[89.7,96.2]	100.0
Black, non-Hispanic (n=114)	2.4	[0.5,10.1]	97.6	[89.9,99.5]	100.0
Hispanic (n=33)	4.6	[1.2,16.2]	95.4	[83.8,98.8]	100.0
Other, non-Hispanic (n=53)	2.5	[0.4,15.0]	97.5	[85.0,99.6]	100.0
Pearson: Uncorrected chi2(3) =	4.0342				
Design-based F(2.72, 1603.24) =	0.9952	Pr =	0.389		
<b>FPL category</b>					
0-35% (n=238)	5.7	[3.3,9.6]	94.3	[90.4,96.7]	100.0
36-99% (n=192)	2.7	[1.2,6.2]	97.3	[93.8,98.8]	100.0
100%+ (n=176)	3.4	[1.4,7.9]	96.6	[92.1,98.6]	100.0
Pearson: Uncorrected chi2(2) =	1.9894				
Design-based F(1.93, 1145.19) =	1.5229	Pr =	0.219		
<b>Region</b>					
UP/NW/NE (n=95)	3.9	[1.4,10.2]	96.1	[89.8,98.6]	100.0
W/E Central/E (n=162)	4.9	[2.0,11.6]	95.1	[88.4,98.0]	100.0
S Central/SW/SE (n=151)	6.1	[2.6,13.6]	93.9	[86.4,97.4]	100.0
Detroit Metro (n=198)	4.5	[2.1,9.4]	95.5	[90.6,97.9]	100.0
Pearson: Uncorrected chi2(3) =	0.6464				
Design-based F(2.67, 1587.31) =	0.1594	Pr =	0.906		
<b>Total (n=606)</b>	<b>4.9</b>	<b>[3.1,7.6]</b>	<b>95.1</b>	<b>[92.4,96.9]</b>	<b>100.0</b>

### 3.2.11 Q: Has a doctor or other health professional ever told you that you had cancer, other than skin cancer?

Universe: All respondents

	Yes		No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	1.1	[0.4,3.4]	98.9	[96.6,99.6]	0.0		100.0
35-50 (n=178)	6.4	[3.1,12.8]	93.3	[87.0,96.7]	0.3	[0.0,1.8]	100.0
51-64 (n=209)	6.9	[3.9,11.9]	91.0	[85.0,94.7]	2.1	[0.5,8.0]	100.0
Pearson: Uncorrected chi2(4) =	18.4741						
Design-based F(3.41, 2028.31) =	4.0222	Pr =	0.005				
<b>Gender</b>							
Male (n=326)	2.6	[1.2,5.5]	96.4	[93.1,98.1]	1.0	[0.2,3.7]	100.0
Female (n=281)	7.2	[4.3,12.0]	92.5	[87.8,95.5]	0.2	[0.0,1.5]	100.0
Pearson: Uncorrected chi2(2) =	8.1765						
Design-based F(1.76, 1045.81) =	3.9844	Pr =	0.023				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	5.9	[3.7,9.3]	93.4	[89.8,95.8]	0.7	[0.2,3.3]	100.0
Black, non-Hispanic (n=114)	0.0		98.9	[92.8,99.8]	1.1	[0.2,7.2]	100.0
Hispanic (n=33)	10.7	[3.2,30.1]	89.3	[69.9,96.8]	0.0		100.0
Other, non-Hispanic (n=54)	0.6	[0.1,3.5]	99.4	[96.5,99.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	14.8709						
Design-based F(5.26, 3104.01) =	1.8699	Pr =	0.092				
<b>FPL category</b>							
0-35% (n=239)	4.4	[2.4,7.7]	94.8	[91.2,96.9]	0.9	[0.2,3.3]	100.0
36-99% (n=192)	4.4	[2.4,8.1]	95.0	[91.2,97.3]	0.5	[0.1,3.2]	100.0
100%+ (n=176)	4.2	[2.2,7.9]	95.8	[92.1,97.8]	0.0		100.0
Pearson: Uncorrected chi2(4) =	0.7532						
Design-based F(2.89, 1719.90) =	0.2224	Pr =	0.874				
<b>Region</b>							
UP/NW/NE (n=95)	4.8	[1.9,11.2]	95.2	[88.8,98.1]	0.0		100.0
W/E Central/E (n=163)	9.9	[5.4,17.4]	90.1	[82.6,94.6]	0.0		100.0
S Central/SW/SE (n=151)	3.9	[1.6,8.9]	94.5	[88.1,97.6]	1.6	[0.2,10.0]	100.0
Detroit Metro (n=198)	0.7	[0.3,1.8]	98.4	[96.1,99.4]	0.9	[0.2,3.8]	100.0
Pearson: Uncorrected chi2(6) =	23.4382						
Design-based F(4.33, 2579.23) =	4.0701	Pr =	0.002				
<b>Total (n=607)</b>	<b>4.4</b>	<b>[2.8,6.6]</b>	<b>95.0</b>	<b>[92.5,96.6]</b>	<b>0.7</b>	<b>[0.2,2.3]</b>	<b>100.0</b>

### 3.2.12 Q: Has a doctor or other health professional ever told you that you had a stroke?

Universe: All respondents

	Yes		Stroke No		Total Row%
	Row%	95%CI	Row%	95%CI	
<b>Age</b>					
19-34 (n=220)	0.2	[0.0,1.4]	99.8	[98.6,100.0]	100.0
35-50 (n=178)	0.5	[0.1,1.8]	99.5	[98.2,99.9]	100.0
51-64 (n=209)	6.8	[3.6,12.6]	93.2	[87.4,96.4]	100.0
Pearson: Uncorrected chi2(2) =	24.4206				
Design-based F(1.97, 1174.92) =	25.3601	Pr =	0.000		
<b>Gender</b>					
Male (n=326)	2.1	[1.0,4.6]	97.9	[95.4,99.0]	100.0
Female (n=281)	2.3	[1.0,5.3]	97.7	[94.7,99.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0177				
Design-based F(1.00, 595.00) =	0.0159	Pr =	0.900		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=401)	2.3	[1.1,4.9]	97.7	[95.1,98.9]	100.0
Black, non-Hispanic (n=114)	1.5	[0.3,6.5]	98.5	[93.5,99.7]	100.0
Hispanic (n=33)	0.0		100.0		100.0
Other, non-Hispanic (n=54)	4.4	[1.3,13.3]	95.6	[86.7,98.7]	100.0
Pearson: Uncorrected chi2(3) =	2.3864				
Design-based F(2.90, 1709.08) =	0.6897	Pr =	0.553		
<b>FPL category</b>					
0-35% (n=239)	2.3	[1.0,4.8]	97.7	[95.2,99.0]	100.0
36-99% (n=192)	2.4	[1.1,5.1]	97.6	[94.9,98.9]	100.0
100%+ (n=176)	1.3	[0.5,3.6]	98.7	[96.4,99.5]	100.0
Pearson: Uncorrected chi2(2) =	0.3264				
Design-based F(1.76, 1049.68) =	0.3342	Pr =	0.689		
<b>Region</b>					
UP/NW/NE (n=95)	1.5	[0.3,6.4]	98.5	[93.6,99.7]	100.0
W/E Central/E (n=163)	3.8	[1.5,9.2]	96.2	[90.8,98.5]	100.0
S Central/SW/SE (n=151)	1.5	[0.5,3.9]	98.5	[96.1,99.5]	100.0
Detroit Metro (n=198)	1.6	[0.5,4.8]	98.4	[95.2,99.5]	100.0
Pearson: Uncorrected chi2(3) =	2.7800				
Design-based F(2.54, 1512.10) =	1.0851	Pr =	0.348		
<b>Total (n=607)</b>	<b>2.2</b>	<b>[1.2,3.9]</b>	<b>97.8</b>	<b>[96.1,98.8]</b>	<b>100.0</b>

### 3.2.13 Q: Has a doctor or other health professional ever told you that you had any other ongoing health condition?

Universe: All respondents

	Yes		Other chronic condition No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	15.5	[10.6,22.0]	84.3	[77.8,89.2]	0.2	[0.0,1.3]	100.0
35-50 (n=178)	30.4	[23.0,39.0]	69.6	[61.0,77.0]	0.0		100.0
51-64 (n=209)	28.2	[21.6,36.0]	71.8	[64.0,78.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	16.6458						
Design-based F(3.53, 2100.00) =	3.6083	Pr =	0.009				
<b>Gender</b>							
Male (n=326)	21.6	[16.9,27.3]	78.4	[72.7,83.1]	0.0		100.0
Female (n=281)	26.9	[21.2,33.6]	72.8	[66.2,78.6]	0.2	[0.0,1.4]	100.0
Pearson: Uncorrected chi2(2) =	3.1676						
Design-based F(1.60, 953.33) =	1.7735	Pr =	0.177				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	27.5	[22.6,33.1]	72.3	[66.7,77.3]	0.1	[0.0,0.9]	100.0
Black, non-Hispanic (n=114)	14.2	[8.5,22.7]	85.8	[77.3,91.5]	0.0		100.0
Hispanic (n=33)	18.7	[7.8,38.4]	81.3	[61.6,92.2]	0.0		100.0
Other, non-Hispanic (n=54)	26.2	[13.9,43.8]	73.8	[56.2,86.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	11.0957						
Design-based F(5.46, 3219.86) =	1.3617	Pr =	0.231				
<b>FPL category</b>							
0-35% (n=239)	23.4	[18.4,29.2]	76.6	[70.8,81.6]	0.0		100.0
36-99% (n=192)	26.7	[21.0,33.4]	72.8	[66.1,78.5]	0.5	[0.1,3.0]	100.0
100%+ (n=176)	20.6	[15.6,26.6]	79.4	[73.4,84.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	3.6365						
Design-based F(2.89, 1719.66) =	1.9815	Pr =	0.117				
<b>Region</b>							
UP/NW/NE (n=95)	33.9	[23.3,46.5]	66.1	[53.5,76.7]	0.0		100.0
W/E Central/E (n=163)	28.1	[20.5,37.2]	71.9	[62.8,79.5]	0.0		100.0
S Central/SW/SE (n=151)	23.0	[15.9,32.0]	76.6	[67.6,83.7]	0.4	[0.1,2.4]	100.0
Detroit Metro (n=198)	18.4	[13.0,25.3]	81.6	[74.7,87.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	10.9961						
Design-based F(3.98, 2367.20) =	2.3441	Pr =	0.053				
<b>Total (n=607)</b>	<b>23.6</b>	<b>[19.8,27.8]</b>	<b>76.3</b>	<b>[72.1,80.1]</b>	<b>0.1</b>	<b>[0.0,0.5]</b>	<b>100.0</b>

### 3.2.14 Q: What is the condition?

Universe: Respondents who indicated other chronic condition (n = 156)

	Weighted Proportion	95%CI
Other (various) (n=127)	82.0	[73.1, 88.4]
Back pain (n=15)	10.2	[5.6, 17.9]
Thyroid/hypo-thyroid (n=13)	6.8	[3.5, 12.7]
Cholesterol (n=11)	5.8	[2.6, 12.7]
Allergies (n=3)	2.4	[0.7, 8.2]

**Note:** Respondents were able to provide multiple responses

## 4 Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

### 4.1 Q: How did you receive information about how much you will need to pay to be in the Healthy Michigan Plan?

*Universe:* All respondents (n = 607)

	Weighted Proportion	95%CI
Letter/enrollment packet from State/health plan (n=349)	55.6	[50.7, 60.4]
None- did not get any cost info (n=105)	16.9	[13.6, 20.8]
Other (n=47)	9.0	[6.4, 12.6]
On phone at enrollment (n=46)	7.8	[5.7, 10.7]
Caseworker/other person helping enroll (n=48)	7.4	[5.3, 10.3]
Don't know (n=39)	6.8	[4.8, 9.6]

**Note:** Respondents were able to provide multiple responses

### 4.2 Q: Do you know about any ways to reduce the amount you might have to pay?

*Universe:* All respondents (n = 607)

	Weighted Proportion	95%CI
None mentioned (n=581)	96.4	[94.4, 97.7]
Other (n=14)	2.0	[1.1, 3.7]
Complete the HRA (n=7)	0.8	[0.3, 1.8]
Use preventive care/do the healthy behavior (n=5)	0.5	[0.2, 1.8]
Use generic drugs (n=1)	0.3	[0.0, 1.8]

**Note:** Respondents were able to provide multiple responses

### 4.3 Q: I could be dropped from the Healthy Michigan Plan for not paying my bill.

Universe: All respondents

	Could be dropped from HMP for not paying my bill						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	32.5	[25.5,40.3]	15.5	[10.5,22.2]	52.1	[44.1,60.0]	100.0
35-50 (n=178)	27.6	[20.4,36.2]	19.8	[13.5,28.1]	52.6	[43.6,61.4]	100.0
51-64 (n=207)	28.9	[22.1,36.9]	18.6	[12.9,26.1]	52.4	[44.2,60.5]	100.0
Pearson: Uncorrected chi2(4) =	2.1732						
Design-based F(3.96, 2348.53) =	0.3695	Pr =	0.829				
<b>Gender</b>							
Male (n=325)	30.4	[24.8,36.6]	16.5	[12.2,22.0]	53.1	[46.6,59.5]	100.0
Female (n=280)	29.3	[23.2,36.2]	19.6	[14.4,26.1]	51.1	[43.9,58.2]	100.0
Pearson: Uncorrected chi2(2) =	0.9501						
Design-based F(2.00, 1184.87) =	0.3379	Pr =	0.713				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=399)	31.3	[26.0,37.1]	18.4	[14.0,23.8]	50.3	[44.2,56.3]	100.0
Black, non-Hispanic (n=114)	28.1	[19.6,38.7]	12.2	[7.1,20.1]	59.7	[49.0,69.5]	100.0
Hispanic (n=33)	14.8	[7.1,28.2]	28.5	[13.7,50.0]	56.8	[36.7,74.8]	100.0
Other, non-Hispanic (n=54)	39.2	[24.3,56.4]	13.5	[6.0,27.5]	47.3	[31.6,63.6]	100.0
Pearson: Uncorrected chi2(6) =	12.5767						
Design-based F(5.74, 3375.46) =	1.4818	Pr =	0.183				
<b>FPL category</b>							
0-35% (n=239)	27.7	[22.2,34.0]	19.4	[14.7,25.1]	52.9	[46.3,59.4]	100.0
36-99% (n=192)	36.4	[30.0,43.3]	13.5	[9.2,19.4]	50.1	[43.2,57.0]	100.0
100%+ (n=174)	34.0	[27.3,41.5]	13.8	[9.8,19.1]	52.2	[44.7,59.5]	100.0
Pearson: Uncorrected chi2(4) =	5.0170						
Design-based F(3.58, 2123.73) =	1.8472	Pr =	0.125				
<b>Region</b>							
UP/NW/NE (n=95)	29.7	[18.9,43.3]	15.3	[8.3,26.6]	55.0	[41.9,67.4]	100.0
W/E Central/E (n=162)	36.0	[27.7,45.2]	16.0	[10.5,23.5]	48.0	[39.0,57.2]	100.0
S Central/SW/SE (n=150)	33.1	[24.1,43.6]	14.3	[8.7,22.7]	52.5	[42.6,62.3]	100.0
Detroit Metro (n=198)	24.2	[18.2,31.4]	21.2	[15.1,29.0]	54.6	[46.4,62.5]	100.0
Pearson: Uncorrected chi2(6) =	9.1705						
Design-based F(5.84, 3464.29) =	1.1389	Pr =	0.337				
<b>Total (n=605)</b>	<b>30.0</b>	<b>[25.8,34.6]</b>	<b>17.7</b>	<b>[14.2,21.8]</b>	<b>52.3</b>	<b>[47.4,57.2]</b>	<b>100.0</b>

#### 4.4 Q: I may get a reduction in the amount I might have to pay if I complete a health risk assessment.

Universe: All respondents

	May get reduction by completing HRA						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	34.2	[27.1,42.1]	7.9	[4.5,13.4]	57.9	[49.9,65.5]	100.0
35-50 (n=178)	31.4	[23.8,40.2]	12.0	[7.2,19.4]	56.6	[47.6,65.1]	100.0
51-64 (n=207)	33.3	[26.0,41.4]	13.3	[8.5,20.2]	53.4	[45.1,61.5]	100.0
Pearson: Uncorrected chi2(4) =	3.8385						
Design-based F(3.97, 2352.79) =	0.6500	Pr =	0.626				
<b>Gender</b>							
Male (n=325)	35.1	[29.3,41.5]	11.1	[7.6,15.9]	53.8	[47.3,60.1]	100.0
Female (n=280)	29.7	[23.6,36.5]	10.0	[6.5,15.1]	60.4	[53.2,67.1]	100.0
Pearson: Uncorrected chi2(2) =	2.5234						
Design-based F(2.00, 1185.43) =	0.9427	Pr =	0.390				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=399)	34.0	[28.6,39.9]	10.9	[7.5,15.6]	55.1	[49.0,61.0]	100.0
Black, non-Hispanic (n=114)	33.3	[24.0,44.0]	5.2	[2.4,11.1]	61.5	[50.8,71.2]	100.0
Hispanic (n=33)	16.4	[7.2,33.3]	24.1	[10.6,46.0]	59.5	[39.2,77.0]	100.0
Other, non-Hispanic (n=54)	37.0	[22.5,54.2]	13.3	[6.1,26.7]	49.7	[33.7,65.8]	100.0
Pearson: Uncorrected chi2(6) =	15.7812						
Design-based F(5.85, 3439.23) =	1.8380	Pr =	0.090				
<b>FPL category</b>							
0-35% (n=239)	31.5	[25.7,37.9]	10.7	[7.3,15.5]	57.8	[51.2,64.1]	100.0
36-99% (n=192)	31.7	[25.6,38.4]	11.4	[7.4,17.2]	56.9	[49.9,63.6]	100.0
100%+ (n=174)	43.9	[36.6,51.5]	9.4	[5.7,15.1]	46.7	[39.5,54.1]	100.0
Pearson: Uncorrected chi2(4) =	4.6988						
Design-based F(3.64, 2158.87) =	1.6267	Pr =	0.171				
<b>Region</b>							
UP/NW/NE (n=95)	31.7	[22.2,43.1]	16.2	[7.5,31.6]	52.1	[39.3,64.7]	100.0
W/E Central/E (n=162)	29.5	[22.0,38.2]	9.0	[5.3,15.1]	61.5	[52.5,69.8]	100.0
S Central/SW/SE (n=150)	33.9	[25.0,44.0]	9.3	[4.8,17.4]	56.8	[46.7,66.4]	100.0
Detroit Metro (n=198)	35.5	[28.1,43.7]	11.2	[7.0,17.4]	53.3	[45.1,61.3]	100.0
Pearson: Uncorrected chi2(6) =	4.9338						
Design-based F(5.78, 3429.66) =	0.5984	Pr =	0.726				
<b>Total (n=605)</b>	<b>33.1</b>	<b>[28.7,37.8]</b>	<b>10.7</b>	<b>[8.0,14.1]</b>	<b>56.2</b>	<b>[51.4,61.0]</b>	<b>100.0</b>

## 4.5 Q: Some kinds of visits, tests and medicines have no copays.

Universe: All respondents

	Some kinds of visits, tests, and medicines have no copays						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	63.8	[55.8,71.1]	6.4	[3.6,11.1]	29.8	[22.9,37.8]	100.0
35-50 (n=178)	71.3	[62.9,78.5]	6.2	[3.0,12.2]	22.5	[16.1,30.4]	100.0
51-64 (n=207)	70.7	[62.7,77.6]	6.0	[3.0,11.6]	23.3	[17.1,30.8]	100.0
Pearson: Uncorrected chi2(4) =	3.9521						
Design-based F(3.97, 2355.55) =	0.7009	Pr =	0.590				
<b>Gender</b>							
Male (n=325)	63.8	[57.4,69.8]	7.0	[4.4,10.8]	29.2	[23.7,35.5]	100.0
Female (n=280)	75.1	[68.4,80.8]	5.0	[2.6,9.3]	19.9	[14.8,26.2]	100.0
Pearson: Uncorrected chi2(2) =	8.3082						
Design-based F(2.00, 1185.85) =	3.1129	Pr =	0.045				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=399)	64.8	[58.8,70.4]	5.8	[3.5,9.4]	29.4	[24.1,35.3]	100.0
Black, non-Hispanic (n=114)	73.3	[63.0,81.6]	8.4	[4.3,15.9]	18.3	[11.4,28.1]	100.0
Hispanic (n=33)	87.6	[73.9,94.6]	0.0		12.4	[5.4,26.1]	100.0
Other, non-Hispanic (n=54)	59.5	[42.4,74.6]	8.7	[3.1,21.9]	31.8	[18.0,49.8]	100.0
Pearson: Uncorrected chi2(6) =	16.2859						
Design-based F(5.77, 3392.56) =	1.9340	Pr =	0.075				
<b>FPL category</b>							
0-35% (n=239)	67.8	[61.4,73.6]	5.8	[3.4,9.8]	26.4	[21.0,32.6]	100.0
36-99% (n=192)	65.4	[58.3,71.9]	6.4	[3.7,10.8]	28.2	[22.2,35.2]	100.0
100%+ (n=174)	72.9	[66.1,78.8]	8.2	[5.0,13.2]	18.9	[14.0,24.9]	100.0
Pearson: Uncorrected chi2(4) =	2.6995						
Design-based F(3.56, 2109.99) =	0.9691	Pr =	0.417				
<b>Region</b>							
UP/NW/NE (n=95)	57.0	[43.6,69.5]	7.9	[2.2,25.0]	35.0	[23.3,48.8]	100.0
W/E Central/E (n=162)	71.9	[63.3,79.2]	4.9	[2.4,9.8]	23.2	[16.5,31.6]	100.0
S Central/SW/SE (n=150)	68.4	[58.5,76.9]	5.4	[2.6,11.0]	26.2	[18.3,36.0]	100.0
Detroit Metro (n=198)	67.8	[59.7,75.0]	7.1	[4.0,12.4]	25.1	[18.5,33.0]	100.0
Pearson: Uncorrected chi2(6) =	5.0436						
Design-based F(5.72, 3394.91) =	0.5975	Pr =	0.725				
<b>Total (n=605)</b>	<b>68.0</b>	<b>[63.3,72.4]</b>	<b>6.2</b>	<b>[4.3,9.0]</b>	<b>25.7</b>	<b>[21.7,30.3]</b>	<b>100.0</b>

## 4.6 Q: Getting discounts on copays and premiums as a reward for working on improving your health is a good idea.

Universe: All respondents

	Discounts for improving health is a good idea												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>													
19-34 (n=220)	39.6	[32.1,47.7]	48.3	[40.5,56.2]	11.3	[7.5,16.6]	0.4	[0.1,1.5]	0.1	[0.0,0.7]	0.2	[0.0,1.3]	100.0
35-50 (n=178)	41.7	[33.1,50.8]	43.0	[34.6,51.9]	9.6	[5.5,16.5]	3.4	[1.3,8.5]	1.9	[0.5,7.4]	0.3	[0.0,1.7]	100.0
51-64 (n=206)	41.2	[33.4,49.5]	43.4	[35.5,51.6]	13.4	[8.7,20.3]	0.5	[0.2,1.9]	0.6	[0.2,2.2]	0.8	[0.1,5.2]	100.0
Pearson: Uncorrected chi2(10) =	15.5883												
Design-based F(8.03, 4755.43) =	1.7171		Pr =	0.089									
<b>Gender</b>													
Male (n=325)	42.3	[36.0,48.8]	44.1	[37.8,50.6]	10.2	[7.0,14.5]	1.9	[0.8,4.4]	1.1	[0.3,3.6]	0.5	[0.1,2.1]	100.0
Female (n=279)	38.1	[31.3,45.4]	47.4	[40.3,54.6]	13.5	[9.3,19.2]	0.5	[0.1,1.7]	0.3	[0.1,1.2]	0.2	[0.0,1.4]	100.0
Pearson: Uncorrected chi2(5) =	5.7103												
Design-based F(4.14, 2452.66) =	1.2963		Pr =	0.268									
<b>Race/ethnicity</b>													
White, non-Hispanic (n=399)	39.3	[33.5,45.3]	46.2	[40.3,52.2]	11.9	[8.7,16.1]	1.0	[0.3,3.9]	1.0	[0.3,3.7]	0.7	[0.2,2.2]	100.0
Black, non-Hispanic (n=114)	40.1	[30.2,50.9]	44.1	[33.9,54.9]	13.9	[8.0,23.1]	1.5	[0.4,6.2]	0.3	[0.1,1.9]	0.0		100.0
Hispanic (n=33)	35.9	[18.8,57.6]	59.3	[38.5,77.2]	3.8	[0.8,15.9]	1.0	[0.2,5.4]	0.0		0.0		100.0
Other, non-Hispanic (n=53)	55.3	[39.1,70.5]	33.8	[20.8,49.8]	5.6	[1.4,19.5]	4.1	[1.6,10.1]	1.2	[0.2,7.0]	0.0		100.0
Pearson: Uncorrected chi2(15) =	16.4049												
Design-based F(12.62, 7407.98) =	0.9264		Pr =	0.522									
<b>FPL category</b>													
0-35% (n=239)	42.0	[35.7,48.7]	44.9	[38.5,51.5]	11.0	[7.6,15.6]	0.9	[0.2,3.7]	0.8	[0.2,3.3]	0.3	[0.0,2.1]	100.0
36-99% (n=191)	34.9	[28.6,41.7]	51.4	[44.5,58.3]	9.8	[6.2,15.1]	2.8	[1.2,6.2]	0.6	[0.1,3.5]	0.5	[0.1,3.1]	100.0
100%+ (n=174)	41.2	[34.1,48.7]	39.3	[32.4,46.6]	16.0	[11.4,22.1]	1.8	[0.6,5.1]	1.0	[0.3,3.5]	0.7	[0.1,4.0]	100.0
Pearson: Uncorrected chi2(10) =	6.8611												
Design-based F(8.65, 5119.11) =	0.9869		Pr =	0.447									
<b>Region</b>													
UP/NW/NE (n=95)	43.3	[31.0,56.5]	47.0	[34.5,59.9]	9.7	[4.7,18.8]	0.0		0.0		0.0		100.0
W/E Central/E (n=162)	36.7	[28.3,45.9]	46.5	[37.6,55.8]	12.9	[8.0,20.2]	3.0	[1.0,9.0]	0.0		0.8	[0.1,5.3]	100.0
S Central/SW/SE (n=150)	47.8	[38.0,57.8]	38.2	[29.2,48.2]	11.5	[7.2,17.9]	0.8	[0.2,2.9]	1.3	[0.3,6.0]	0.4	[0.1,2.4]	100.0
Detroit Metro (n=197)	39.0	[31.3,47.3]	47.9	[39.9,56.0]	10.7	[6.6,16.9]	0.9	[0.4,2.1]	1.3	[0.3,5.0]	0.2	[0.0,1.3]	100.0
Pearson: Uncorrected chi2(15) =	14.1515												
Design-based F(12.12, 7176.86) =	0.9290		Pr =	0.517									
<b>Total (n=604)</b>	<b>40.7</b>	<b>[36.0,45.6]</b>	<b>45.3</b>	<b>[40.5,50.2]</b>	<b>11.4</b>	<b>[8.7,14.7]</b>	<b>1.4</b>	<b>[0.6,2.9]</b>	<b>0.8</b>	<b>[0.3,2.3]</b>	<b>0.4</b>	<b>[0.1,1.3]</b>	<b>100.0</b>

## 4.7 Q: Do you think eyeglasses are covered, not covered, or don't know?

Universe: All respondents

	Eyeglasses covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	42.6	[34.9,50.7]	14.0	[9.5,20.2]	43.4	[35.7,51.4]	100.0
35-50 (n=177)	50.6	[41.7,59.4]	8.5	[4.8,14.4]	41.0	[32.5,50.0]	100.0
51-64 (n=209)	54.9	[46.6,62.9]	6.6	[3.8,11.3]	38.5	[30.7,46.9]	100.0
Pearson: Uncorrected chi2(4) =	10.2967						
Design-based F(3.91, 2321.22) =	1.9049	Pr =	0.109				
<b>Gender</b>							
Male (n=325)	43.5	[37.2,50.0]	9.8	[6.7,14.3]	46.7	[40.3,53.2]	100.0
Female (n=281)	56.9	[49.8,63.7]	10.9	[7.4,15.8]	32.2	[26.0,39.1]	100.0
Pearson: Uncorrected chi2(2) =	12.6504						
Design-based F(2.00, 1186.25) =	4.8179	Pr =	0.008				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	44.0	[38.1,50.0]	13.1	[9.6,17.7]	42.9	[37.0,49.0]	100.0
Black, non-Hispanic (n=114)	59.0	[48.2,69.0]	6.5	[2.9,14.1]	34.5	[25.2,45.3]	100.0
Hispanic (n=33)	61.3	[41.9,77.7]	4.8	[1.3,16.5]	33.9	[18.8,53.1]	100.0
Other, non-Hispanic (n=53)	44.6	[29.1,61.2]	4.5	[1.9,10.5]	50.9	[34.8,66.8]	100.0
Pearson: Uncorrected chi2(6) =	17.3189						
Design-based F(5.40, 3181.91) =	2.2885	Pr =	0.039				
<b>FPL category</b>							
0-35% (n=239)	49.9	[43.4,56.4]	8.3	[5.2,12.8]	41.8	[35.5,48.4]	100.0
36-99% (n=192)	42.4	[35.7,49.4]	16.3	[11.7,22.2]	41.4	[34.6,48.5]	100.0
100%+ (n=175)	48.9	[41.6,56.2]	13.1	[8.6,19.4]	38.0	[31.1,45.5]	100.0
Pearson: Uncorrected chi2(4) =	7.0689						
Design-based F(3.53, 2096.96) =	2.3544	Pr =	0.060				
<b>Region</b>							
UP/NW/NE (n=95)	37.8	[27.1,49.9]	13.5	[6.1,27.0]	48.7	[36.1,61.5]	100.0
W/E Central/E (n=163)	52.1	[43.0,61.0]	9.5	[5.6,15.8]	38.4	[30.0,47.6]	100.0
S Central/SW/SE (n=151)	41.0	[31.7,50.9]	10.1	[5.9,16.6]	49.0	[39.2,58.8]	100.0
Detroit Metro (n=197)	52.6	[44.5,60.7]	10.1	[6.2,16.0]	37.3	[29.7,45.5]	100.0
Pearson: Uncorrected chi2(6) =	8.9160						
Design-based F(5.82, 3454.27) =	1.1349	Pr =	0.339				
<b>Total (n=606)</b>	<b>48.5</b>	<b>[43.7,53.3]</b>	<b>10.2</b>	<b>[7.7,13.4]</b>	<b>41.3</b>	<b>[36.6,46.1]</b>	<b>100.0</b>

## 4.8 Q: Do you think prescription medications are covered, not covered, or don't know?

Universe: All respondents

	Prescription medications covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	83.8	[77.2,88.8]	1.2	[0.5,3.0]	15.0	[10.2,21.6]	100.0
35-50 (n=177)	86.4	[78.9,91.5]	1.3	[0.3,6.4]	12.3	[7.5,19.5]	100.0
51-64 (n=209)	88.5	[82.2,92.8]	0.5	[0.2,1.3]	11.0	[6.8,17.4]	100.0
Pearson: Uncorrected chi2(4) =	2.3626						
Design-based F(3.36, 1997.23) =	0.5291	Pr =	0.683				
<b>Gender</b>							
Male (n=325)	82.9	[77.6,87.1]	0.7	[0.2,1.9]	16.5	[12.3,21.7]	100.0
Female (n=281)	91.0	[85.8,94.4]	1.6	[0.5,4.8]	7.4	[4.3,12.3]	100.0
Pearson: Uncorrected chi2(2) =	11.4768						
Design-based F(1.93, 1144.70) =	5.0153	Pr =	0.007				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	86.3	[81.4,90.1]	0.5	[0.2,1.4]	13.2	[9.4,18.1]	100.0
Black, non-Hispanic (n=114)	84.5	[75.4,90.7]	0.8	[0.3,2.4]	14.7	[8.6,23.9]	100.0
Hispanic (n=33)	92.4	[79.7,97.4]	0.0		7.6	[2.6,20.3]	100.0
Other, non-Hispanic (n=53)	80.8	[66.1,90.0]	6.1	[1.5,21.5]	13.2	[6.3,25.5]	100.0
Pearson: Uncorrected chi2(6) =	15.2447						
Design-based F(4.95, 2912.97) =	2.4926	Pr =	0.030				
<b>FPL category</b>							
0-35% (n=239)	86.2	[81.0,90.1]	0.5	[0.1,3.2]	13.3	[9.5,18.4]	100.0
36-99% (n=192)	86.4	[80.3,90.9]	2.0	[0.7,5.7]	11.6	[7.5,17.5]	100.0
100%+ (n=175)	83.6	[77.0,88.6]	2.8	[1.1,7.0]	13.6	[9.0,19.9]	100.0
Pearson: Uncorrected chi2(4) =	4.8573						
Design-based F(3.38, 2005.37) =	1.3671	Pr =	0.248				
<b>Region</b>							
UP/NW/NE (n=95)	75.1	[59.6,86.1]	1.3	[0.4,4.4]	23.6	[12.8,39.4]	100.0
W/E Central/E (n=163)	87.1	[80.5,91.7]	0.9	[0.2,3.5]	12.0	[7.5,18.5]	100.0
S Central/SW/SE (n=151)	86.3	[78.0,91.8]	0.3	[0.1,1.9]	13.3	[7.9,21.7]	100.0
Detroit Metro (n=197)	87.4	[80.8,91.9]	1.4	[0.4,4.7]	11.2	[6.9,17.6]	100.0
Pearson: Uncorrected chi2(6) =	7.6496						
Design-based F(4.89, 2902.51) =	1.2422	Pr =	0.287				
<b>Total (n=606)</b>	<b>85.9</b>	<b>[82.2,89.0]</b>	<b>1.0</b>	<b>[0.5,2.2]</b>	<b>13.1</b>	<b>[10.1,16.7]</b>	<b>100.0</b>

## 4.9 Q: Do you think routine dental care is covered, not covered, or don't know?

Universe: All respondents

	Routine dental care covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	63.5	[55.5,70.7]	12.7	[8.1,19.4]	23.9	[17.9,31.1]	100.0
35-50 (n=177)	63.4	[54.4,71.5]	4.9	[2.4,9.9]	31.7	[23.9,40.6]	100.0
51-64 (n=208)	64.8	[56.6,72.2]	0.8	[0.2,2.8]	34.4	[27.0,42.6]	100.0
Pearson: Uncorrected chi2(4) =	26.5809						
Design-based F(3.67, 2178.80) =	5.4257	Pr =	0.000				
<b>Gender</b>							
Male (n=325)	60.4	[54.0,66.5]	8.4	[5.4,12.9]	31.2	[25.6,37.4]	100.0
Female (n=280)	69.6	[62.5,75.8]	4.5	[2.2,9.3]	25.9	[20.2,32.6]	100.0
Pearson: Uncorrected chi2(2) =	6.2735						
Design-based F(1.99, 1179.01) =	2.1721	Pr =	0.115				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	62.1	[56.0,67.8]	8.5	[5.5,12.9]	29.4	[24.3,35.2]	100.0
Black, non-Hispanic (n=113)	71.5	[60.9,80.1]	4.7	[1.6,13.0]	23.8	[16.0,33.9]	100.0
Hispanic (n=33)	69.0	[49.2,83.6]	9.8	[2.7,30.2]	21.2	[10.3,38.8]	100.0
Other, non-Hispanic (n=53)	53.2	[36.7,69.0]	0.6	[0.1,3.7]	46.2	[30.5,62.7]	100.0
Pearson: Uncorrected chi2(6) =	15.3923						
Design-based F(5.21, 3065.52) =	1.8717	Pr =	0.093				
<b>FPL category</b>							
0-35% (n=239)	64.8	[58.3,70.8]	6.3	[3.6,10.8]	28.9	[23.4,35.2]	100.0
36-99% (n=191)	63.7	[56.7,70.1]	7.2	[4.2,12.1]	29.1	[23.2,35.8]	100.0
100%+ (n=175)	58.5	[50.9,65.8]	10.6	[6.2,17.6]	30.9	[24.3,38.3]	100.0
Pearson: Uncorrected chi2(4) =	2.2399						
Design-based F(3.54, 2100.04) =	0.6997	Pr =	0.575				
<b>Region</b>							
UP/NW/NE (n=95)	53.9	[40.7,66.5]	8.2	[2.5,23.7]	37.9	[26.0,51.5]	100.0
W/E Central/E (n=163)	66.7	[57.8,74.6]	7.5	[3.7,14.8]	25.8	[18.9,34.1]	100.0
S Central/SW/SE (n=151)	58.6	[48.5,68.0]	7.1	[3.3,14.8]	34.3	[25.4,44.4]	100.0
Detroit Metro (n=196)	67.0	[59.0,74.2]	6.2	[3.3,11.5]	26.7	[20.2,34.5]	100.0
Pearson: Uncorrected chi2(6) =	6.3599						
Design-based F(5.86, 3472.91) =	0.7063	Pr =	0.641				
<b>Total (n=605)</b>	<b>63.8</b>	<b>[59.0,68.3]</b>	<b>7.0</b>	<b>[4.8,10.1]</b>	<b>29.2</b>	<b>[25.0,33.8]</b>	<b>100.0</b>

## 4.10 Q: Do you think treatment to stop smoking is covered, not covered, or don't know?

Universe: All respondents

	Treatment to stop smoking covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	28.6	[22.0,36.3]	12.6	[8.0,19.5]	58.7	[50.6,66.4]	100.0
35-50 (n=177)	34.9	[26.8,43.9]	6.7	[3.5,12.7]	58.4	[49.4,66.9]	100.0
51-64 (n=209)	43.5	[35.7,51.7]	2.7	[0.9,7.6]	53.7	[45.6,61.7]	100.0
Pearson: Uncorrected chi2(4) =	20.0123						
Design-based F(3.97, 2357.25) =	3.4028	Pr =	0.009				
<b>Gender</b>							
Male (n=325)	36.6	[30.5,43.1]	8.3	[5.3,12.8]	55.1	[48.6,61.5]	100.0
Female (n=281)	31.6	[25.6,38.4]	7.6	[4.2,13.6]	60.7	[53.6,67.5]	100.0
Pearson: Uncorrected chi2(2) =	1.8616						
Design-based F(1.96, 1165.61) =	0.6112	Pr =	0.540				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	35.5	[30.0,41.5]	4.3	[2.4,7.7]	60.1	[54.1,65.8]	100.0
Black, non-Hispanic (n=114)	33.4	[24.2,44.1]	11.2	[5.7,20.9]	55.4	[44.6,65.7]	100.0
Hispanic (n=33)	27.7	[12.8,50.1]	19.7	[8.0,41.1]	52.5	[32.5,71.8]	100.0
Other, non-Hispanic (n=53)	34.1	[20.1,51.4]	17.8	[7.7,36.0]	48.2	[32.3,64.5]	100.0
Pearson: Uncorrected chi2(6) =	22.8618						
Design-based F(5.95, 3501.79) =	2.2682	Pr =	0.035				
<b>FPL category</b>							
0-35% (n=239)	34.9	[28.9,41.4]	8.3	[5.1,13.1]	56.8	[50.2,63.2]	100.0
36-99% (n=192)	33.6	[27.4,40.5]	4.9	[2.4,9.9]	61.5	[54.4,68.1]	100.0
100%+ (n=175)	35.2	[28.8,42.2]	11.1	[7.2,16.7]	53.7	[46.4,60.8]	100.0
Pearson: Uncorrected chi2(4) =	2.7588						
Design-based F(3.62, 2150.76) =	0.9312	Pr =	0.438				
<b>Region</b>							
UP/NW/NE (n=95)	37.5	[26.2,50.2]	8.1	[2.4,23.8]	54.4	[41.4,66.8]	100.0
W/E Central/E (n=163)	39.8	[31.2,49.0]	6.7	[3.1,14.1]	53.5	[44.3,62.4]	100.0
S Central/SW/SE (n=151)	37.3	[28.1,47.5]	4.4	[1.7,10.8]	58.3	[48.2,67.8]	100.0
Detroit Metro (n=197)	29.2	[22.3,37.2]	10.9	[6.7,17.4]	59.9	[51.6,67.6]	100.0
Pearson: Uncorrected chi2(6) =	9.7747						
Design-based F(5.79, 3440.71) =	1.0776	Pr =	0.373				
<b>Total (n=606)</b>	<b>34.7</b>	<b>[30.3,39.5]</b>	<b>8.0</b>	<b>[5.6,11.4]</b>	<b>57.2</b>	<b>[52.3,62.0]</b>	<b>100.0</b>

## 4.11 Q: Do you think birth control or family planning is covered, not covered, or don't know?

Universe: All respondents

	Birth control or family planning covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	54.7	[46.7,62.5]	1.8	[0.9,3.8]	43.4	[35.7,51.5]	100.0
35-50 (n=177)	43.8	[35.2,52.8]	8.3	[4.2,15.6]	47.9	[39.2,56.7]	100.0
51-64 (n=208)	45.7	[37.8,53.9]	1.9	[0.6,5.6]	52.4	[44.2,60.4]	100.0
Pearson: Uncorrected chi2(4) =	18.6925						
Design-based F(3.82, 2262.31) =	3.7900	Pr =	0.005				
<b>Gender</b>							
Male (n=325)	40.8	[34.5,47.3]	5.1	[2.9,8.7]	54.1	[47.6,60.5]	100.0
Female (n=280)	62.4	[55.4,68.9]	1.7	[0.6,4.8]	35.9	[29.6,42.8]	100.0
Pearson: Uncorrected chi2(2) =	27.7986						
Design-based F(2.00, 1183.82) =	10.7572	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=400)	48.4	[42.4,54.5]	2.2	[1.1,4.6]	49.3	[43.3,55.4]	100.0
Black, non-Hispanic (n=114)	53.9	[43.2,64.3]	6.6	[2.7,15.6]	39.5	[29.6,50.3]	100.0
Hispanic (n=33)	35.1	[19.2,55.2]	7.0	[2.2,19.8]	57.9	[37.9,75.6]	100.0
Other, non-Hispanic (n=53)	45.7	[29.9,62.5]	5.3	[1.2,20.2]	48.9	[32.9,65.2]	100.0
Pearson: Uncorrected chi2(6) =	12.0098						
Design-based F(5.83, 3428.89) =	1.3580	Pr =	0.229				
<b>FPL category</b>							
0-35% (n=239)	50.2	[43.6,56.8]	3.4	[1.6,7.0]	46.4	[39.9,53.0]	100.0
36-99% (n=192)	43.6	[36.8,50.6]	4.7	[2.3,9.4]	51.7	[44.7,58.7]	100.0
100%+ (n=174)	48.6	[41.2,56.0]	5.0	[2.6,9.3]	46.4	[39.2,53.8]	100.0
Pearson: Uncorrected chi2(4) =	1.9858						
Design-based F(3.52, 2087.80) =	0.6545	Pr =	0.604				
<b>Region</b>							
UP/NW/NE (n=94)	41.4	[29.3,54.7]	2.0	[0.4,8.9]	56.6	[43.4,68.9]	100.0
W/E Central/E (n=163)	48.6	[39.6,57.8]	1.2	[0.4,3.7]	50.2	[41.1,59.2]	100.0
S Central/SW/SE (n=151)	48.1	[38.4,58.0]	2.4	[0.7,7.4]	49.5	[39.7,59.3]	100.0
Detroit Metro (n=197)	51.2	[43.1,59.3]	6.8	[3.6,12.5]	42.0	[34.2,50.2]	100.0
Pearson: Uncorrected chi2(6) =	13.9297						
Design-based F(5.57, 3304.07) =	2.0305	Pr =	0.064				
<b>Total (n=605)</b>	<b>48.9</b>	<b>[44.0,53.8]</b>	<b>3.8</b>	<b>[2.3,6.2]</b>	<b>47.3</b>	<b>[42.5,52.2]</b>	<b>100.0</b>

## 4.12 Q: Do you think counseling for mental or emotional problems is covered, not covered, or don't know?

Universe: All respondents

	Counseling for mental or emotional problems covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	49.6	[41.7,57.5]	6.4	[3.8,10.5]	44.0	[36.3,52.1]	100.0
35-50 (n=177)	56.0	[47.0,64.5]	4.7	[1.9,11.1]	39.4	[31.2,48.2]	100.0
51-64 (n=209)	56.8	[48.6,64.6]	0.7	[0.3,1.6]	42.5	[34.8,50.7]	100.0
Pearson: Uncorrected chi2(4) =	9.7109						
Design-based F(3.33, 1977.69) =	2.0214	Pr =	0.102				
<b>Gender</b>							
Male (n=325)	50.0	[43.5,56.4]	4.7	[2.7,8.2]	45.3	[39.0,51.8]	100.0
Female (n=281)	59.5	[52.6,66.2]	3.4	[1.8,6.4]	37.0	[30.6,44.0]	100.0
Pearson: Uncorrected chi2(2) =	5.2719						
Design-based F(1.97, 1171.79) =	2.1812	Pr =	0.114				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	55.6	[49.7,61.4]	2.2	[1.2,4.2]	42.1	[36.4,48.1]	100.0
Black, non-Hispanic (n=114)	50.3	[39.7,60.8]	9.4	[4.6,18.4]	40.3	[30.4,51.0]	100.0
Hispanic (n=33)	54.7	[34.2,73.7]	4.9	[1.3,17.1]	40.4	[22.2,61.8]	100.0
Other, non-Hispanic (n=53)	48.8	[32.8,65.0]	3.4	[1.0,11.1]	47.8	[32.0,64.1]	100.0
Pearson: Uncorrected chi2(6) =	14.0033						
Design-based F(5.52, 3253.79) =	1.7769	Pr =	0.106				
<b>FPL category</b>							
0-35% (n=239)	56.6	[50.0,63.0]	2.8	[1.2,6.4]	40.6	[34.4,47.1]	100.0
36-99% (n=192)	42.0	[35.4,49.0]	8.1	[4.6,13.2]	49.9	[42.9,56.9]	100.0
100%+ (n=175)	52.1	[44.7,59.4]	7.2	[3.9,12.8]	40.7	[33.7,48.2]	100.0
Pearson: Uncorrected chi2(4) =	12.5249						
Design-based F(3.30, 1962.98) =	3.7148	Pr =	0.009				
<b>Region</b>							
UP/NW/NE (n=95)	43.8	[31.6,56.7]	3.0	[1.2,7.4]	53.3	[40.5,65.6]	100.0
W/E Central/E (n=163)	52.1	[43.0,61.1]	1.8	[0.7,4.2]	46.1	[37.2,55.3]	100.0
S Central/SW/SE (n=151)	52.5	[42.5,62.2]	2.8	[0.9,8.6]	44.7	[35.1,54.7]	100.0
Detroit Metro (n=197)	57.5	[49.4,65.2]	7.0	[3.9,12.3]	35.5	[28.2,43.6]	100.0
Pearson: Uncorrected chi2(6) =	14.6474						
Design-based F(5.31, 3152.82) =	2.2146	Pr =	0.046				
<b>Total (n=606)</b>	<b>53.6</b>	<b>[48.7,58.3]</b>	<b>4.2</b>	<b>[2.7,6.5]</b>	<b>42.2</b>	<b>[37.5,47.0]</b>	<b>100.0</b>

### 4.13 Q: Do you think substance use treatment is covered, not covered, or don't know?

Universe: All respondents

	Substance use treatment covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	32.3	[25.4,40.1]	5.2	[3.1,8.4]	62.5	[54.7,69.7]	100.0
35-50 (n=177)	45.8	[37.1,54.9]	5.4	[2.4,11.5]	48.8	[40.0,57.6]	100.0
51-64 (n=209)	53.3	[45.2,61.2]	0.3	[0.1,1.2]	46.4	[38.5,54.4]	100.0
Pearson: Uncorrected chi2(4) =	25.1945						
Design-based F(3.32, 1970.07) =	5.6584	Pr =	0.000				
<b>Gender</b>							
Male (n=325)	44.8	[38.5,51.4]	4.1	[2.4,6.9]	51.1	[44.6,57.5]	100.0
Female (n=281)	38.2	[31.6,45.3]	3.5	[1.6,7.2]	58.3	[51.3,65.0]	100.0
Pearson: Uncorrected chi2(2) =	3.0133						
Design-based F(1.99, 1182.20) =	1.1819	Pr =	0.307				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	43.7	[37.8,49.8]	2.4	[1.4,4.3]	53.8	[47.8,59.8]	100.0
Black, non-Hispanic (n=114)	45.0	[34.7,55.7]	5.9	[2.5,13.2]	49.1	[38.7,59.7]	100.0
Hispanic (n=33)	25.2	[12.4,44.7]	5.8	[1.6,19.4]	68.9	[49.4,83.5]	100.0
Other, non-Hispanic (n=53)	39.5	[24.4,56.9]	7.6	[2.4,21.5]	53.0	[36.4,68.9]	100.0
Pearson: Uncorrected chi2(6) =	10.9913						
Design-based F(5.83, 3436.12) =	1.3362	Pr =	0.239				
<b>FPL category</b>							
0-35% (n=239)	44.1	[37.8,50.7]	2.0	[0.8,5.2]	53.8	[47.3,60.2]	100.0
36-99% (n=192)	34.5	[28.3,41.4]	7.4	[4.1,12.8]	58.1	[51.0,64.9]	100.0
100%+ (n=175)	43.0	[36.0,50.3]	9.2	[5.5,15.1]	47.8	[40.5,55.1]	100.0
Pearson: Uncorrected chi2(4) =	15.3404						
Design-based F(3.27, 1944.66) =	4.4758	Pr =	0.003				
<b>Region</b>							
UP/NW/NE (n=95)	42.0	[29.9,55.1]	1.4	[0.5,3.8]	56.6	[43.6,68.7]	100.0
W/E Central/E (n=163)	38.1	[29.7,47.3]	2.6	[1.2,5.5]	59.3	[50.1,67.9]	100.0
S Central/SW/SE (n=151)	39.3	[30.1,49.3]	1.9	[0.9,4.1]	58.8	[48.9,68.0]	100.0
Detroit Metro (n=197)	47.0	[39.0,55.2]	6.4	[3.5,11.3]	46.6	[38.5,54.8]	100.0
Pearson: Uncorrected chi2(6) =	13.4024						
Design-based F(4.77, 2830.77) =	2.3449	Pr =	0.042				
<b>Total (n=606)</b>	<b>42.4</b>	<b>[37.6,47.2]</b>	<b>3.9</b>	<b>[2.5,5.9]</b>	<b>53.8</b>	<b>[48.9,58.5]</b>	<b>100.0</b>

#### 4.14 Q: Have you had any questions or difficulties using your Healthy Michigan Plan insurance so far?

Universe: All respondents

	Yes		No		Questions or difficulties NA- haven't tried to get care		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>									
19-34 (n=220)	15.9	[11.1,22.3]	79.6	[72.7,85.1]	3.5	[1.7,7.4]	1.0	[0.1,6.4]	100.0
35-50 (n=178)	15.6	[9.8,23.9]	74.4	[65.3,81.7]	10.0	[5.6,17.4]	0.0		100.0
51-64 (n=209)	16.1	[11.0,22.9]	77.7	[70.3,83.8]	6.1	[3.1,11.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	11.0653								
Design-based F(5.70, 3390.61) =	1.1691	Pr =	0.320						
<b>Gender</b>									
Male (n=326)	16.0	[11.8,21.4]	75.6	[69.7,80.7]	7.7	[5.0,11.7]	0.6	[0.1,4.3]	100.0
Female (n=281)	15.6	[11.2,21.4]	80.6	[74.3,85.7]	3.7	[1.6,8.7]	0.0		100.0
Pearson: Uncorrected chi2(3) =	5.5773								
Design-based F(2.84, 1689.51) =	1.0526	Pr =	0.366						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=401)	17.6	[13.4,22.7]	74.9	[69.3,79.8]	7.5	[4.8,11.5]	0.0		100.0
Black, non-Hispanic (n=114)	12.1	[6.6,20.9]	81.2	[71.0,88.5]	4.9	[1.7,13.5]	1.8	[0.3,11.1]	100.0
Hispanic (n=33)	10.1	[3.1,28.2]	89.9	[71.8,96.9]	0.0		0.0		100.0
Other, non-Hispanic (n=54)	19.3	[9.1,36.5]	74.8	[57.9,86.4]	5.9	[1.9,16.9]	0.0		100.0
Pearson: Uncorrected chi2(9) =	16.3723								
Design-based F(8.54, 5039.73) =	1.1227	Pr =	0.343						
<b>FPL category</b>									
0-35% (n=239)	16.4	[12.1,21.8]	76.5	[70.5,81.6]	6.5	[3.9,10.6]	0.6	[0.1,3.8]	100.0
36-99% (n=192)	15.3	[10.9,21.0]	79.1	[72.7,84.3]	5.6	[3.0,10.2]	0.0		100.0
100%+ (n=176)	13.7	[9.7,18.9]	80.7	[74.6,85.5]	5.7	[3.1,10.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	1.7122								
Design-based F(3.48, 2067.95) =	0.3379	Pr =	0.827						
<b>Region</b>									
UP/NW/NE (n=95)	24.3	[14.7,37.5]	62.8	[49.5,74.5]	12.9	[6.1,25.0]	0.0		100.0
W/E Central/E (n=163)	13.2	[8.4,20.1]	80.2	[72.3,86.2]	6.7	[3.5,12.6]	0.0		100.0
S Central/SW/SE (n=151)	16.7	[10.7,25.2]	77.4	[67.9,84.6]	5.9	[2.4,13.9]	0.0		100.0
Detroit Metro (n=198)	15.3	[10.1,22.5]	79.2	[71.4,85.3]	4.5	[2.0,9.8]	1.0	[0.1,6.5]	100.0
Pearson: Uncorrected chi2(9) =	14.2870								
Design-based F(7.04, 4188.22) =	1.2642	Pr =	0.264						
<b>Total (n=607)</b>	<b>15.9</b>	<b>[12.6,19.8]</b>	<b>77.5</b>	<b>[73.1,81.3]</b>	<b>6.2</b>	<b>[4.2,9.1]</b>	<b>0.4</b>	<b>[0.1,2.7]</b>	<b>100.0</b>

#### 4.14.1 Q: What kind of questions or difficulties did you have?

*Universe:* Respondents who had questions or difficulties with using the Healthy Michigan Plan (n = 97)

	Weighted Proportion	95%CI
Difficulty/inability finding a provider (n=47)	48.6	[36.3, 61.1]
Other (n=13)	17.7	[9.6, 30.4]
Needed a service that wasn't covered (n=17)	17.5	[10.2, 28.5]
Difficulty finding out information (n=16)	13.5	[7.6, 23.0]
Problem with Medicaid/HMP ID card (n=6)	3.1	[1.4, 6.7]
Disenrolled/declared ineligible but don't know why (n=2)	2.9	[0.6, 12.3]
Difficulty getting appointment (n=1)	2.8	[0.4, 17.2]
Payment issues: charged incorrectly/too much (n=3)	2.4	[0.6, 9.6]
Inaccurate information from/problem with Medicaid health plan (n=4)	2.1	[0.9, 4.8]
Payment issues: trouble making payments (n=2)	1.7	[0.4, 6.7]
Transportation/logistics (n=1)	0.3	[0.0, 1.9]

**Note:** Respondents were able to provide multiple responses

## 5 Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

### 5.1 Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there a place that you usually would go for a checkup, when you felt sick, or when you wanted advice about your health?

Universe: All respondents

	Yes		No		Regular source of care prior to HMP		N/A: did not need care		Total Row%	
	Row%	95%CI	Row%	95%CI	Don't know Row%	95%CI	Row%	95%CI		
<b>Age</b>										
19-34 (n=220)	62.8	[54.7,70.2]	32.5	[25.3,40.6]	0.3	[0.0,1.6]	4.5	[2.1,9.2]	100.0	
35-50 (n=178)	59.4	[50.2,68.0]	34.4	[26.3,43.6]	1.3	[0.2,8.3]	4.9	[2.1,11.0]	100.0	
51-64 (n=209)	69.1	[60.8,76.3]	30.3	[23.1,38.6]	0.0		0.6	[0.2,1.6]	100.0	
Pearson: Uncorrected chi2(6) =	11.1482									
Design-based F(4.76, 2834.49) =	1.4181	Pr =	0.217							
<b>Gender</b>										
Male (n=326)	53.6	[47.1,60.0]	40.4	[34.2,47.0]	0.6	[0.1,4.2]	5.4	[3.1,9.2]	100.0	
Female (n=281)	80.2	[74.1,85.2]	19.2	[14.2,25.3]	0.3	[0.0,1.7]	0.3	[0.1,1.2]	100.0	
Pearson: Uncorrected chi2(3) =	46.2416									
Design-based F(2.50, 1487.71) =	17.7703	Pr =	0.000							
<b>Race/ethnicity</b>										
White, non-Hispanic (n=401)	65.6	[59.5,71.2]	31.2	[25.8,37.3]	0.0		3.2	[1.6,6.2]	100.0	
Black, non-Hispanic (n=114)	60.8	[49.8,70.7]	32.8	[23.4,43.8]	2.2	[0.5,9.7]	4.3	[1.3,13.2]	100.0	
Hispanic (n=33)	58.5	[37.8,76.5]	38.5	[21.0,59.5]	0.0		3.1	[0.5,17.0]	100.0	
Other, non-Hispanic (n=54)	61.4	[44.3,76.0]	34.1	[20.1,51.5]	0.0		4.5	[1.1,17.4]	100.0	
Pearson: Uncorrected chi2(9) =	11.8647									
Design-based F(8.72, 5145.00) =	0.8220	Pr =	0.592							
<b>FPL category</b>										
0-35% (n=239)	61.2	[54.6,67.5]	34.8	[28.8,41.4]	0.6	[0.1,3.7]	3.4	[1.6,7.0]	100.0	
36-99% (n=192)	69.7	[62.7,75.9]	25.3	[19.6,31.9]	0.6	[0.1,3.7]	4.4	[2.0,9.3]	100.0	
100%+ (n=176)	68.1	[60.7,74.7]	29.2	[22.8,36.5]	0.0		2.7	[1.2,6.0]	100.0	
Pearson: Uncorrected chi2(6) =	4.7100									
Design-based F(4.24, 2524.42) =	0.8227	Pr =	0.517							
<b>Region</b>										
UP/NW/NE (n=95)	60.6	[46.7,73.0]	36.0	[23.8,50.3]	0.0		3.4	[0.9,12.1]	100.0	
W/E Central/E (n=163)	65.6	[56.4,73.8]	28.8	[21.2,37.8]	0.0		5.5	[2.4,12.1]	100.0	
S Central/SW/SE (n=151)	73.3	[63.2,81.4]	25.0	[17.0,35.0]	0.5	[0.1,2.9]	1.2	[0.2,7.9]	100.0	
Detroit Metro (n=198)	57.5	[49.2,65.4]	38.2	[30.5,46.5]	1.0	[0.1,6.4]	3.3	[1.3,8.1]	100.0	
Pearson: Uncorrected chi2(9) =	15.5533									
Design-based F(7.38, 4388.14) =	1.3293	Pr =	0.229							
<b>Total (n=607)</b>	<b>63.5</b>	<b>[58.6,68.2]</b>	<b>32.5</b>	<b>[28.0,37.3]</b>	<b>0.5</b>	<b>[0.1,2.3]</b>	<b>3.5</b>	<b>[2.0,5.9]</b>	<b>100.0</b>	

### 5.1.1 Q: What kind of a place was it?

Universe: Respondents who had a regular source of care prior to HMP (n = 417)

	Type of regular source of care										
	A clinic		Doctor's office		Urgent care/walk-in clinic		Emergency room		Other place		Total
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%
<b>Age</b>											
19-34 (n=151)	9.2	[5.0,16.4]	50.6	[41.0,60.2]	27.4	[19.7,36.9]	11.3	[6.4,19.1]	1.4	[0.4,5.7]	100.0
35-50 (n=114)	18.4	[11.3,28.4]	55.9	[44.6,66.6]	15.8	[9.3,25.6]	7.6	[3.5,16.0]	2.3	[0.3,13.9]	100.0
51-64 (n=152)	13.6	[8.3,21.4]	67.5	[58.0,75.7]	7.3	[3.8,13.3]	8.1	[4.1,15.3]	3.6	[1.3,9.7]	100.0
Pearson: Uncorrected chi2(8) =	27.8979										
Design-based F(7.64, 3094.98) =	2.3493	Pr =	0.018								
<b>Gender</b>											
Male (n=192)	11.5	[7.3,17.6]	52.7	[44.2,60.9]	18.3	[12.5,25.9]	13.7	[8.8,20.6]	3.9	[1.6,9.2]	100.0
Female (n=225)	15.0	[9.9,22.0]	62.4	[54.3,69.9]	17.7	[12.3,24.8]	4.3	[2.1,8.7]	0.6	[0.2,1.6]	100.0
Pearson: Uncorrected chi2(4) =	17.4927										
Design-based F(3.56, 1442.70) =	3.7326	Pr =	0.007								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=277)	12.2	[8.3,17.8]	63.3	[56.0,70.0]	17.2	[12.3,23.7]	5.2	[2.9,9.1]	2.1	[0.7,5.8]	100.0
Black, non-Hispanic (n=80)	15.7	[8.6,26.9]	44.9	[32.6,58.0]	26.0	[15.9,39.4]	11.1	[5.5,21.1]	2.3	[0.3,14.2]	100.0
Hispanic (n=21)	19.0	[5.0,51.0]	37.4	[16.3,64.7]	9.3	[3.2,24.1]	32.7	[12.5,62.4]	1.7	[0.3,9.3]	100.0
Other, non-Hispanic (n=35)	9.2	[3.6,21.9]	60.0	[40.4,76.8]	10.1	[4.1,22.9]	15.7	[5.5,37.5]	5.0	[0.7,26.9]	100.0
Pearson: Uncorrected chi2(12) =	35.9903										
Design-based F(10.38, 4161.11) =	2.1905	Pr =	0.014								
<b>FPL category</b>											
0-35% (n=154)	13.7	[9.1,20.2]	58.3	[50.0,66.1]	16.7	[11.2,24.1]	8.7	[5.0,14.7]	2.6	[1.0,7.1]	100.0
36-99% (n=139)	12.5	[8.1,18.8]	58.2	[49.8,66.1]	19.5	[13.6,27.3]	8.0	[4.3,14.4]	1.8	[0.6,5.1]	100.0
100%+ (n=124)	11.3	[7.1,17.7]	51.0	[42.6,59.3]	22.4	[15.7,30.8]	13.7	[8.1,22.3]	1.5	[0.4,4.9]	100.0
Pearson: Uncorrected chi2(8) =	3.5337										
Design-based F(6.98, 2824.94) =	0.6053	Pr =	0.751								
<b>Region</b>											
UP/NW/NE (n=66)	17.6	[9.7,29.8]	47.9	[33.7,62.4]	21.5	[11.9,35.9]	9.8	[3.5,24.4]	3.2	[0.7,13.8]	100.0
W/E Central/E (n=112)	13.3	[7.3,23.1]	66.6	[55.1,76.3]	15.0	[8.5,25.1]	5.1	[1.9,13.4]	0.0		100.0
S Central/SW/SE (n=112)	12.1	[6.5,21.2]	51.7	[40.4,62.8]	17.7	[10.3,28.6]	16.2	[9.0,27.3]	2.4	[0.6,9.0]	100.0
Detroit Metro (n=127)	12.6	[7.2,21.2]	56.2	[45.7,66.1]	19.7	[12.7,29.3]	7.6	[3.9,14.5]	3.9	[1.2,11.4]	100.0
Pearson: Uncorrected chi2(12) =	17.4300										
Design-based F(11.16, 4519.56) =	1.0790	Pr =	0.374								
<b>Total (n=417)</b>	<b>13.1</b>	<b>[9.7,17.6]</b>	<b>57.3</b>	<b>[51.4,63.0]</b>	<b>18.0</b>	<b>[13.8,23.1]</b>	<b>9.3</b>	<b>[6.3,13.3]</b>	<b>2.3</b>	<b>[1.0,5.1]</b>	<b>100.0</b>

## 5.2 Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there any time when you didn't get the health care you needed?

Universe: All respondents

	Forgone health care prior to HMP						Total Row%
	Yes Row%	95%CI	No Row%	95%CI	Don't know Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	21.4	[15.6,28.6]	76.7	[69.3,82.8]	1.9	[0.6,5.5]	100.0
35-50 (n=178)	17.4	[12.0,24.5]	82.0	[74.9,87.4]	0.6	[0.1,3.6]	100.0
51-64 (n=209)	22.2	[16.4,29.2]	77.8	[70.8,83.6]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.7331						
Design-based F(3.88, 2307.31) =	1.1390	Pr =	0.336				
<b>Gender</b>							
Male (n=326)	17.6	[13.4,22.7]	81.7	[76.5,86.0]	0.7	[0.3,2.2]	100.0
Female (n=281)	25.2	[19.4,31.9]	73.5	[66.6,79.4]	1.3	[0.3,6.0]	100.0
Pearson: Uncorrected chi2(2) =	5.7636						
Design-based F(2.00, 1189.86) =	2.1611	Pr =	0.116				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	19.8	[15.6,24.8]	80.0	[75.0,84.2]	0.2	[0.0,1.2]	100.0
Black, non-Hispanic (n=114)	19.9	[12.9,29.4]	80.1	[70.6,87.1]	0.0		100.0
Hispanic (n=33)	20.4	[8.0,43.0]	70.5	[48.5,85.9]	9.1	[2.2,30.4]	100.0
Other, non-Hispanic (n=54)	20.4	[10.9,34.9]	76.5	[61.9,86.7]	3.1	[0.8,11.4]	100.0
Pearson: Uncorrected chi2(6) =	33.2417						
Design-based F(5.27, 3107.73) =	4.2957	Pr =	0.001				
<b>FPL category</b>							
0-35% (n=239)	19.2	[14.6,24.8]	80.3	[74.6,84.9]	0.6	[0.1,3.7]	100.0
36-99% (n=192)	21.4	[16.4,27.5]	75.6	[69.1,81.2]	2.9	[1.0,8.2]	100.0
100%+ (n=176)	25.6	[19.7,32.6]	73.8	[66.8,79.7]	0.6	[0.1,3.1]	100.0
Pearson: Uncorrected chi2(4) =	6.9246						
Design-based F(2.96, 1763.09) =	2.0073	Pr =	0.112				
<b>Region</b>							
UP/NW/NE (n=95)	25.3	[15.8,38.1]	73.8	[61.1,83.5]	0.8	[0.2,4.1]	100.0
W/E Central/E (n=163)	19.4	[13.5,27.2]	78.8	[70.7,85.1]	1.8	[0.4,8.0]	100.0
S Central/SW/SE (n=151)	21.2	[14.2,30.4]	78.8	[69.6,85.8]	0.0		100.0
Detroit Metro (n=198)	19.5	[14.0,26.4]	79.6	[72.6,85.1]	1.0	[0.3,3.3]	100.0
Pearson: Uncorrected chi2(6) =	3.6370						
Design-based F(5.16, 3071.65) =	0.5206	Pr =	0.767				
<b>Total (n=607)</b>	<b>20.4</b>	<b>[16.9,24.4]</b>	<b>78.6</b>	<b>[74.5,82.2]</b>	<b>1.0</b>	<b>[0.4,2.5]</b>	<b>100.0</b>

### 5.2.1 Q: What kind of care was it?

Universe: Respondents who did not receive the health care they needed prior to HMP (n = 140)

	Weighted Proportion	95%CI
Primary care (n=84)	61.1	[50.7, 70.6]
Prescription medication (n=34)	21.4	[14.5, 30.4]
Specialist care (n=22)	12.7	[7.4, 20.8]
Mental health care (n=15)	9.7	[5.2, 17.3]
Vision care (n=19)	7.8	[5.1, 11.9]
Support services (n=7)	5.0	[1.9, 12.4]
Surgery or procedure (n=4)	3.1	[0.9, 10.6]
Lab/imaging test (n=7)	3.0	[1.2, 7.3]
Other services (n=6)	1.6	[0.7, 3.3]

Note: Respondents were able to provide multiple responses

### 5.2.2 Q: Why didn't you get the care you needed?

Universe: Respondents who did not receive the health care they needed prior to HMP (n = 140)

	Reasons for forgone health care prior to HMP							
	No insurance coverage		Cost		Other		Needed a service that wasn't covered	
	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI
Any missed care (n=140)	63.4	[52.9, 72.7]	24.5	[17.2, 33.6]	9.9	[5.0, 18.7]	5.3	[2.7, 10.3]
Primary care (n=84)	61.4	[47.8, 73.4]	31.6	[21.9, 43.1]	9.5	[4.0, 21.1]	0.0	
Prescription medications (n=34)	76.5	[76.5, 76.5]	24.4	[24.4, 24.4]	3.7	[3.7, 3.7]	13.7	[13.7, 13.7]
Specialist care (n=22)	74.6	[74.6, 74.6]	11.6	[11.6, 11.6]	7.0	[7.0, 7.0]	5.7	[5.7, 5.7]
Vision care (n=19)	61.5	[61.5, 61.5]	36.8	[36.8, 36.8]	0.0		11.2	[11.2, 11.2]
Mental health (n=15)	46.9	[46.9, 46.9]	37.1	[37.1, 37.1]	0.0		16.1	[16.1, 16.1]

**Note:** Respondents were able to provide multiple responses. Reasons are not reported for support services, surgery or procedure, lab/imaging test, or other services due to sample sizes <10.

	Reasons for forgone health care prior to HMP, continued							
	Difficulty getting appointment		Transportation/logistics		Difficulty/inability finding a provider		Didn't get around to it	
	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI
Any missed care (n=140)	4.2	[1.6, 10.5]	2.4	[0.6, 9.0]	1.9	[0.5, 6.4]	1.2	[0.4, 3.3]
Primary care (n=84)	5.8	[1.9, 16.4]	0.0		3.0	[0.8, 10.5]	1.4	[0.4, 4.9]
Prescription medications (n=34)	0.0		0.0		0.0		0.0	
Specialist care (n=22)	7.8	[7.8, 7.8]	4.3	[4.3, 4.3]	0.0		5.5	[5.5, 5.5]
Vision care (n=19)	0.0		3.1	[3.1, 3.1]	0.0		0.0	
Mental health (n=15)	0.0		16.9	[16.9, 16.9]	0.0		0.0	

**Note:** Respondents were able to provide multiple responses. Reasons are not reported for support services, surgery or procedure, lab/imaging test, or other services due to sample sizes <10.

### 5.3 Q: In the 12 months before enrolling in the Healthy Michigan Plan, was there any time when you didn't get the dental care you needed?

Universe: All respondents

	Forgone dental care prior to HMP						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	32.3	[25.5,39.9]	67.5	[59.9,74.3]	0.2	[0.0,1.3]	100.0
35-50 (n=178)	32.1	[24.5,40.9]	67.6	[58.9,75.3]	0.2	[0.0,1.3]	100.0
51-64 (n=209)	41.0	[33.3,49.0]	59.0	[51.0,66.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	4.4247						
Design-based F(3.01, 1790.35) =	1.2402	Pr =	0.294				
<b>Gender</b>							
Male (n=326)	32.3	[26.7,38.5]	67.6	[61.4,73.2]	0.1	[0.0,0.6]	100.0
Female (n=281)	38.7	[32.0,45.8]	61.1	[53.9,67.7]	0.2	[0.0,1.4]	100.0
Pearson: Uncorrected chi2(2) =	2.7586						
Design-based F(1.52, 903.18) =	1.5923	Pr =	0.209				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	31.4	[26.3,36.9]	68.4	[62.8,73.4]	0.3	[0.1,0.9]	100.0
Black, non-Hispanic (n=114)	38.8	[29.0,49.5]	61.2	[50.5,71.0]	0.0		100.0
Hispanic (n=33)	38.0	[20.5,59.4]	62.0	[40.6,79.5]	0.0		100.0
Other, non-Hispanic (n=54)	40.2	[25.9,56.4]	59.8	[43.6,74.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.1822						
Design-based F(5.35, 3156.55) =	0.5076	Pr =	0.783				
<b>FPL category</b>							
0-35% (n=239)	32.4	[26.7,38.8]	67.6	[61.2,73.3]	0.0		100.0
36-99% (n=192)	42.7	[36.0,49.8]	56.7	[49.7,63.5]	0.5	[0.1,3.0]	100.0
100%+ (n=176)	36.4	[29.8,43.5]	63.1	[56.0,69.7]	0.5	[0.1,3.0]	100.0
Pearson: Uncorrected chi2(4) =	6.3832						
Design-based F(3.39, 2015.12) =	2.9597	Pr =	0.026				
<b>Region</b>							
UP/NW/NE (n=95)	43.1	[31.0,56.1]	56.9	[43.9,69.0]	0.0		100.0
W/E Central/E (n=163)	33.0	[25.4,41.6]	66.8	[58.1,74.4]	0.2	[0.0,1.4]	100.0
S Central/SW/SE (n=151)	32.0	[23.6,41.7]	67.6	[57.9,76.0]	0.4	[0.1,2.4]	100.0
Detroit Metro (n=198)	35.4	[28.0,43.4]	64.6	[56.6,72.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	3.5363						
Design-based F(4.29, 2551.16) =	0.7266	Pr =	0.583				
<b>Total (n=607)</b>	<b>34.7</b>	<b>[30.3,39.4]</b>	<b>65.1</b>	<b>[60.5,69.5]</b>	<b>0.2</b>	<b>[0.0,0.6]</b>	<b>100.0</b>

#### 5.3.1 Q: Why didn't you get the dental care you needed?

Universe: Respondents who did not receive the dental care they needed prior to HMP (n = 232)

	Weighted Proportion	95%CI
No insurance coverage (n=150)	64.8	[56.7, 72.2]
Cost (n=74)	29.8	[23.1, 37.4]
Needed a service that wasn't covered (n=20)	9.9	[5.9, 16.1]
Difficulty getting appointment (n=5)	2.9	[0.8, 9.5]
Didn't get around to it (n=6)	2.5	[1.1, 5.6]
Other (n=7)	1.9	[0.9, 4.0]
Difficulty/inability finding a provider (n=4)	1.7	[0.6, 4.9]
Transportation/logistics (n=2)	0.7	[0.1, 3.1]
Afraid of going to dentist/dislike dentist (n=1)	0.1	[0.0, 0.9]

Note: Respondents were able to provide multiple responses

## 5.4 Q: During the 12 months before you were enrolled in the Healthy Michigan Plan, about how much did you spend out-of-pocket for your own medical and dental care?

Universe: All respondents

	Less than \$50		\$51-500		Out of pocket costs prior to HMP More than \$500		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>									
19-34 (n=220)	23.4	[17.4,30.9]	25.9	[19.4,33.7]	12.7	[8.5,18.7]	37.9	[30.5,45.9]	100.0
35-50 (n=178)	30.7	[22.9,39.8]	16.7	[11.1,24.3]	23.0	[16.3,31.4]	29.6	[22.3,38.2]	100.0
51-64 (n=209)	26.5	[19.8,34.5]	14.2	[9.4,20.7]	21.9	[15.8,29.5]	37.4	[29.9,45.6]	100.0
Pearson: Uncorrected chi2(6) =	20.5472								
Design-based F(5.94, 3532.94) =	2.3876	Pr =	0.027						
<b>Gender</b>									
Male (n=326)	29.0	[23.5,35.3]	20.6	[15.7,26.6]	17.0	[12.8,22.2]	33.4	[27.6,39.7]	100.0
Female (n=281)	22.3	[16.9,29.0]	18.4	[13.5,24.5]	20.9	[15.5,27.5]	38.4	[31.7,45.6]	100.0
Pearson: Uncorrected chi2(3) =	4.9251								
Design-based F(3.00, 1784.63) =	1.1962	Pr =	0.310						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=401)	24.4	[19.5,30.1]	19.1	[14.7,24.4]	21.4	[16.9,26.8]	35.0	[29.6,40.9]	100.0
Black, non-Hispanic (n=114)	33.0	[23.7,43.9]	24.2	[16.2,34.6]	10.0	[5.4,17.8]	32.8	[23.7,43.3]	100.0
Hispanic (n=33)	15.2	[6.2,32.8]	8.7	[3.2,21.5]	33.2	[16.9,54.9]	42.9	[24.2,63.9]	100.0
Other, non-Hispanic (n=54)	34.6	[20.9,51.4]	17.8	[7.3,37.4]	9.1	[3.8,20.3]	38.5	[24.1,55.2]	100.0
Pearson: Uncorrected chi2(9) =	25.2785								
Design-based F(8.53, 5033.16) =	1.9218	Pr =	0.048						
<b>FPL category</b>									
0-35% (n=239)	28.2	[22.6,34.4]	20.2	[15.3,26.1]	17.8	[13.4,23.4]	33.8	[27.9,40.3]	100.0
36-99% (n=192)	23.4	[17.9,30.0]	17.1	[12.5,23.0]	19.1	[14.2,25.1]	40.4	[33.8,47.5]	100.0
100%+ (n=176)	21.7	[16.1,28.6]	21.2	[15.9,27.7]	20.9	[15.2,28.0]	36.2	[29.5,43.4]	100.0
Pearson: Uncorrected chi2(6) =	3.3852								
Design-based F(5.45, 3242.25) =	0.8060	Pr =	0.555						
<b>Region</b>									
UP/NW/NE (n=95)	25.5	[15.2,39.5]	17.8	[9.7,30.3]	19.8	[11.9,31.0]	36.9	[25.6,49.9]	100.0
W/E Central/E (n=163)	28.7	[21.1,37.8]	15.2	[9.6,23.3]	19.0	[13.2,26.6]	37.0	[28.6,46.3]	100.0
S Central/SW/SE (n=151)	23.5	[16.3,32.6]	24.5	[16.7,34.4]	18.0	[11.4,27.3]	34.0	[25.4,43.8]	100.0
Detroit Metro (n=198)	26.9	[20.2,34.9]	20.8	[14.9,28.3]	18.0	[12.5,25.2]	34.3	[27.1,42.3]	100.0
Pearson: Uncorrected chi2(9) =	4.8168								
Design-based F(8.73, 5193.23) =	0.3928	Pr =	0.936						
<b>Total (n=607)</b>	<b>26.5</b>	<b>[22.4,31.1]</b>	<b>19.8</b>	<b>[16.1,24.0]</b>	<b>18.4</b>	<b>[15.0,22.4]</b>	<b>35.3</b>	<b>[30.8,40.0]</b>	<b>100.0</b>

## 5.5 Q: In the 12 months before enrolling in the Healthy Michigan Plan, did you have problems paying medical bills?

Universe: All respondents

	Problems paying medical bills prior to HMP						Total Row%
	Yes Row%	95%CI	No Row%	95%CI	Don't know Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	42.4	[34.9,50.4]	56.4	[48.5,64.1]	1.1	[0.2,7.1]	100.0
35-50 (n=178)	42.6	[34.2,51.5]	57.4	[48.5,65.8]	0.0		100.0
51-64 (n=209)	50.6	[42.5,58.8]	49.4	[41.2,57.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	7.1447						
Design-based F(3.63, 2162.08) =	1.0515	Pr =	0.376				
<b>Gender</b>							
Male (n=326)	41.7	[35.5,48.2]	57.5	[51.1,63.8]	0.8	[0.1,4.8]	100.0
Female (n=281)	50.0	[42.8,57.1]	50.0	[42.9,57.2]	0.0		100.0
Pearson: Uncorrected chi2(2) =	5.3232						
Design-based F(1.82, 1084.58) =	1.3307	Pr =	0.264				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	40.7	[35.1,46.7]	58.5	[52.5,64.2]	0.8	[0.1,4.9]	100.0
Black, non-Hispanic (n=114)	47.7	[37.3,58.4]	52.3	[41.6,62.7]	0.0		100.0
Hispanic (n=33)	57.9	[37.7,75.7]	42.1	[24.3,62.3]	0.0		100.0
Other, non-Hispanic (n=54)	56.4	[39.9,71.6]	43.6	[28.4,60.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	9.8616						
Design-based F(5.66, 3341.04) =	0.9433	Pr =	0.459				
<b>FPL category</b>							
0-35% (n=239)	42.6	[36.3,49.2]	56.7	[50.1,63.1]	0.7	[0.1,4.3]	100.0
36-99% (n=192)	51.4	[44.5,58.4]	48.6	[41.6,55.5]	0.0		100.0
100%+ (n=176)	47.8	[40.6,55.2]	52.2	[44.8,59.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	3.9722						
Design-based F(2.10, 1252.18) =	0.9785	Pr =	0.380				
<b>Region</b>							
UP/NW/NE (n=95)	47.2	[35.1,59.6]	47.9	[35.3,60.8]	4.9	[0.7,26.3]	100.0
W/E Central/E (n=163)	44.6	[35.9,53.7]	55.4	[46.3,64.1]	0.0		100.0
S Central/SW/SE (n=151)	48.5	[38.7,58.4]	51.5	[41.6,61.3]	0.0		100.0
Detroit Metro (n=198)	42.3	[34.6,50.5]	57.7	[49.5,65.4]	0.0		100.0
Pearson: Uncorrected chi2(6) =	28.9522						
Design-based F(3.83, 2277.62) =	4.2235	Pr =	0.002				
<b>Total (n=607)</b>	<b>44.8</b>	<b>[40.0,49.6]</b>	<b>54.7</b>	<b>[49.9,59.5]</b>	<b>0.5</b>	<b>[0.1,3.1]</b>	<b>100.0</b>

**5.5.1 Q: Because of these problems paying medical bills, have you or your family been contacted by a collections agency?**

*Universe:* Respondents who had problems paying medical bills prior to HMP (n = 291)

	Contacted by a collections agency prior to HMP						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=95)	74.5	[62.7,83.6]	23.0	[14.5,34.5]	2.4	[0.4,14.8]	100.0
35-50 (n=87)	66.2	[53.4,77.0]	33.8	[23.0,46.6]	0.0		100.0
51-64 (n=109)	75.3	[64.7,83.5]	24.4	[16.1,35.0]	0.4	[0.1,2.2]	100.0
Pearson: Uncorrected chi2(4) =	6.3105						
Design-based F(3.00, 836.98) =	1.1135	Pr =	0.343				
<b>Gender</b>							
Male (n=146)	75.1	[66.1,82.4]	24.9	[17.6,33.9]	0.0		100.0
Female (n=145)	68.6	[58.5,77.1]	28.9	[20.8,38.6]	2.6	[0.5,13.0]	100.0
Pearson: Uncorrected chi2(2) =	5.1913						
Design-based F(1.88, 523.29) =	1.4177	Pr =	0.243				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=187)	66.3	[57.2,74.2]	32.0	[24.3,40.9]	1.7	[0.3,10.7]	100.0
Black, non-Hispanic (n=55)	76.4	[62.0,86.5]	23.6	[13.5,38.0]	0.0		100.0
Hispanic (n=17)	100.0		0.0		0.0		100.0
Other, non-Hispanic (n=29)	71.7	[50.4,86.3]	27.3	[12.9,48.7]	1.1	[0.2,6.5]	100.0
Pearson: Uncorrected chi2(6) =	13.6318						
Design-based F(4.88, 1346.77) =	1.5560	Pr =	0.171				
<b>FPL category</b>							
0-35% (n=108)	73.4	[63.9,81.2]	25.1	[17.6,34.5]	1.4	[0.2,9.1]	100.0
36-99% (n=99)	66.7	[56.9,75.2]	32.7	[24.2,42.6]	0.6	[0.1,3.5]	100.0
100%+ (n=84)	75.3	[64.3,83.8]	24.7	[16.2,35.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	2.1549						
Design-based F(2.49, 695.42) =	0.4996	Pr =	0.648				
<b>Region</b>							
UP/NW/NE (n=52)	64.4	[49.1,77.2]	35.6	[22.8,50.9]	0.0		100.0
W/E Central/E (n=83)	71.9	[59.8,81.5]	28.1	[18.5,40.2]	0.0		100.0
S Central/SW/SE (n=67)	74.2	[58.6,85.4]	21.8	[11.9,36.5]	4.0	[0.6,23.0]	100.0
Detroit Metro (n=89)	73.7	[61.7,83.0]	26.0	[16.7,38.1]	0.3	[0.0,1.8]	100.0
Pearson: Uncorrected chi2(6) =	9.3285						
Design-based F(3.83, 1067.94) =	1.3750	Pr =	0.242				
<b>Total (n=291)</b>	<b>72.4</b>	<b>[65.7,78.2]</b>	<b>26.6</b>	<b>[20.9,33.1]</b>	<b>1.1</b>	<b>[0.2,5.8]</b>	<b>100.0</b>

### 5.5.2 Q: Because of these problems paying medical bills, have you or your family thought about filing for bankruptcy?

Universe: Respondents who had problems paying medical bills prior to HMP (n = 291)

	Thought about filing for bankruptcy prior to HMP				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Age</b>					
19-34 (n=95)	23.2	[15.0,34.1]	76.8	[65.9,85.0]	100.0
35-50 (n=87)	35.7	[24.1,49.3]	64.3	[50.7,75.9]	100.0
51-64 (n=109)	31.4	[21.5,43.2]	68.6	[56.8,78.5]	100.0
Pearson: Uncorrected chi2(2) =	3.9079				
Design-based F(1.99, 556.20) =	1.3053	Pr =	0.272		
<b>Gender</b>					
Male (n=146)	33.1	[24.7,42.7]	66.9	[57.3,75.3]	100.0
Female (n=145)	24.3	[16.6,34.2]	75.7	[65.8,83.4]	100.0
Pearson: Uncorrected chi2(1) =	2.6001				
Design-based F(1.00, 279.00) =	1.7708	Pr =	0.184		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=187)	26.9	[19.8,35.5]	73.1	[64.5,80.2]	100.0
Black, non-Hispanic (n=55)	40.1	[26.1,55.9]	59.9	[44.1,73.9]	100.0
Hispanic (n=17)	11.0	[3.4,30.2]	89.0	[69.8,96.6]	100.0
Other, non-Hispanic (n=29)	30.4	[14.2,53.4]	69.6	[46.6,85.8]	100.0
Pearson: Uncorrected chi2(3) =	8.3865				
Design-based F(2.86, 789.50) =	2.0130	Pr =	0.114		
<b>FPL category</b>					
0-35% (n=108)	31.5	[23.2,41.2]	68.5	[58.8,76.8]	100.0
36-99% (n=99)	23.9	[16.4,33.4]	76.1	[66.6,83.6]	100.0
100%+ (n=84)	27.3	[18.4,38.4]	72.7	[61.6,81.6]	100.0
Pearson: Uncorrected chi2(2) =	1.3322				
Design-based F(1.86, 517.90) =	0.8752	Pr =	0.410		
<b>Region</b>					
UP/NW/NE (n=52)	11.8	[5.9,22.1]	88.2	[77.9,94.1]	100.0
W/E Central/E (n=83)	23.2	[14.4,35.1]	76.8	[64.9,85.6]	100.0
S Central/SW/SE (n=67)	27.2	[16.3,41.6]	72.8	[58.4,83.7]	100.0
Detroit Metro (n=89)	40.0	[28.6,52.7]	60.0	[47.3,71.4]	100.0
Pearson: Uncorrected chi2(3) =	12.1722				
Design-based F(2.57, 717.28) =	3.4832	Pr =	0.021		
<b>Total (n=291)</b>	<b>29.4</b>	<b>[23.4,36.2]</b>	<b>70.6</b>	<b>[63.8,76.6]</b>	<b>100.0</b>

**Note:** Out of the 78 respondents who thought about filing for bankruptcy, 9 (11.5%) filed for bankruptcy.

## 6 Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and dis-enrollment in HMP, and barriers and facilitators to improvement in health behaviors.

### 6.1 Q: How did you complete the first section of the HRA, which is answering the questions about your eating, exercise, and smoking behaviors?

Universe: All respondents

	On phone at enrollment		With doctor/clinic staff		Completed first section of HRA				Have not completed it		Total Row%
	Row%	95%CI	Row%	95%CI	By filling it out myself Row%	95%CI	Don't remember Row%	95%CI	Row%	95%CI	
<b>Age</b>											
19-34 (n=220)	21.3	[15.5,28.7]	13.6	[8.9,20.2]	34.9	[27.8,42.8]	12.5	[8.1,18.8]	17.7	[12.6,24.2]	100.0
35-50 (n=175)	18.5	[12.8,26.1]	17.8	[11.5,26.5]	36.0	[27.9,45.1]	9.7	[5.6,16.3]	18.0	[12.0,26.0]	100.0
51-64 (n=209)	9.1	[5.8,13.9]	18.2	[12.4,25.8]	50.3	[42.1,58.4]	5.9	[3.5,9.8]	16.6	[11.4,23.5]	100.0
Pearson: Uncorrected chi2(8) =	22.6429										
Design-based F(7.67, 4543.42) =	2.0707	Pr =	0.038								
<b>Gender</b>											
Male (n=324)	15.8	[11.7,21.1]	16.0	[11.7,21.6]	39.9	[33.7,46.4]	10.5	[7.2,15.0]	17.8	[13.4,23.2]	100.0
Female (n=280)	19.0	[13.8,25.6]	16.4	[11.4,22.9]	39.1	[32.4,46.2]	8.7	[5.4,13.7]	16.9	[12.4,22.5]	100.0
Pearson: Uncorrected chi2(4) =	1.3946										
Design-based F(3.98, 2355.43) =	0.2505	Pr =	0.909								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=401)	15.4	[11.5,20.3]	13.9	[10.1,18.9]	40.5	[34.8,46.4]	11.5	[8.1,16.0]	18.7	[14.5,23.9]	100.0
Black, non-Hispanic (n=113)	21.9	[14.4,31.9]	16.0	[9.7,25.3]	41.8	[31.6,52.7]	5.5	[2.3,12.5]	14.9	[8.8,24.1]	100.0
Hispanic (n=33)	8.8	[2.4,27.4]	14.8	[5.9,32.5]	57.5	[37.6,75.2]	1.0	[0.2,6.0]	17.9	[7.6,36.6]	100.0
Other, non-Hispanic (n=52)	23.5	[11.8,41.3]	30.6	[16.3,49.8]	14.1	[7.7,24.3]	17.2	[8.0,33.0]	14.7	[6.9,28.7]	100.0
Pearson: Uncorrected chi2(12) =	35.0737										
Design-based F(11.01, 6461.03) =	2.1625	Pr =	0.014								
<b>FPL category</b>											
0-35% (n=238)	16.5	[12.2,22.0]	17.8	[13.2,23.5]	39.9	[33.7,46.4]	9.9	[6.7,14.4]	15.9	[11.6,21.3]	100.0
36-99% (n=192)	20.0	[14.8,26.4]	14.0	[9.7,19.7]	35.2	[28.9,42.1]	9.7	[6.3,14.9]	21.0	[16.0,27.2]	100.0
100%+ (n=174)	15.7	[10.9,22.1]	9.9	[6.1,15.6]	43.8	[36.6,51.3]	9.2	[6.0,13.8]	21.4	[16.0,28.1]	100.0
Pearson: Uncorrected chi2(8) =	6.5283										
Design-based F(7.21, 4270.07) =	1.1830	Pr =	0.308								
<b>Region</b>											
UP/NW/NE (n=95)	13.0	[7.2,22.2]	14.9	[7.1,28.6]	39.3	[27.9,52.0]	16.9	[9.0,29.6]	15.9	[7.9,29.3]	100.0
W/E Central/E (n=162)	11.6	[7.2,18.1]	17.7	[11.4,26.5]	49.1	[40.0,58.3]	8.4	[4.5,14.9]	13.2	[8.4,20.1]	100.0
S Central/SW/SE (n=150)	17.8	[11.8,25.8]	15.4	[9.3,24.4]	37.5	[28.4,47.6]	17.4	[10.6,27.2]	11.9	[7.5,18.3]	100.0
Detroit Metro (n=197)	21.3	[15.1,29.1]	15.8	[10.6,22.8]	34.2	[27.0,42.3]	4.9	[2.6,9.2]	23.7	[17.5,31.4]	100.0
Pearson: Uncorrected chi2(12) =	39.1147										
Design-based F(11.55, 6837.33) =	2.4797	Pr =	0.004								
<b>Total (n=604)</b>	<b>17.0</b>	<b>[13.7,21.0]</b>	<b>16.1</b>	<b>[12.7,20.3]</b>	<b>39.6</b>	<b>[35.0,44.4]</b>	<b>9.8</b>	<b>[7.3,13.0]</b>	<b>17.4</b>	<b>[14.1,21.3]</b>	<b>100.0</b>

## 6.2 Q: Did you discuss the HRA with your doctor or someone at your primary care provider's office?

Universe: Respondents who completed the first section of the HRA (n = 483)

	Discussed HRA with doctor or someone at PCP office								Total Row%	
	Yes		No		Haven't had an appointment yet		Don't remember			
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI		
<b>Age</b>										
19-34 (n=173)	43.4	[34.9,52.4]	36.5	[28.5,45.4]	14.7	[9.3,22.5]	5.3	[2.5,11.0]	100.0	
35-50 (n=141)	40.1	[30.8,50.1]	34.1	[25.2,44.3]	17.2	[11.0,25.8]	8.7	[4.6,15.7]	100.0	
51-64 (n=169)	65.5	[56.6,73.4]	22.5	[16.1,30.6]	8.0	[4.3,14.5]	4.0	[1.7,9.1]	100.0	
Pearson: Uncorrected chi2(6) =	24.2430									
Design-based F(5.89, 2772.95) =	2.9093	Pr =	0.008							
<b>Gender</b>										
Male (n=262)	45.4	[38.4,52.7]	31.8	[25.6,38.7]	14.6	[10.2,20.5]	8.2	[5.1,13.0]	100.0	
Female (n=221)	54.2	[46.0,62.2]	31.8	[24.6,40.0]	11.8	[7.3,18.3]	2.2	[1.1,4.4]	100.0	
Pearson: Uncorrected chi2(3) =	9.1952									
Design-based F(2.73, 1283.97) =	2.6090	Pr =	0.056							
<b>Race/ethnicity</b>										
White, non-Hispanic (n=321)	46.2	[39.7,52.8]	30.4	[24.7,36.9]	16.9	[12.3,22.8]	6.5	[3.9,10.7]	100.0	
Black, non-Hispanic (n=96)	50.5	[39.0,61.9]	37.4	[26.8,49.3]	4.9	[1.6,14.0]	7.2	[3.1,16.0]	100.0	
Hispanic (n=24)	56.1	[33.3,76.6]	27.7	[12.1,51.8]	16.1	[5.6,38.4]	0.0		100.0	
Other, non-Hispanic (n=39)	61.0	[41.6,77.4]	22.0	[10.5,40.3]	13.3	[4.5,33.5]	3.7	[1.2,10.8]	100.0	
Pearson: Uncorrected chi2(9) =	16.2501									
Design-based F(8.44, 3949.87) =	1.2265	Pr =	0.276							
<b>FPL category</b>										
0-35% (n=204)	49.2	[42.2,56.3]	32.3	[26.1,39.1]	13.0	[8.8,18.7]	5.5	[3.0,9.8]	100.0	
36-99% (n=147)	48.4	[40.4,56.5]	26.4	[20.0,34.1]	15.3	[10.0,22.9]	9.8	[5.9,15.9]	100.0	
100%+ (n=132)	46.0	[37.8,54.3]	36.2	[28.5,44.7]	14.4	[9.4,21.5]	3.4	[1.6,7.0]	100.0	
Pearson: Uncorrected chi2(6) =	4.1375									
Design-based F(5.23, 2465.13) =	1.0371	Pr =	0.395							
<b>Region</b>										
UP/NW/NE (n=77)	59.6	[46.2,71.7]	23.7	[15.2,34.9]	14.5	[6.9,27.8]	2.2	[0.9,5.0]	100.0	
W/E Central/E (n=132)	50.4	[40.4,60.3]	23.3	[16.2,32.4]	19.2	[12.2,29.1]	7.1	[3.4,14.2]	100.0	
S Central/SW/SE (n=124)	47.9	[37.2,58.8]	27.9	[19.4,38.5]	17.9	[10.7,28.5]	6.2	[2.8,13.3]	100.0	
Detroit Metro (n=150)	45.4	[36.4,54.7]	42.3	[33.4,51.8]	6.4	[3.1,12.6]	5.9	[2.8,12.0]	100.0	
Pearson: Uncorrected chi2(9) =	26.1151									
Design-based F(7.90, 3722.73) =	2.4081	Pr =	0.014							
<b>Total (n=483)</b>	<b>48.7</b>	<b>[43.3,54.1]</b>	<b>31.8</b>	<b>[27.0,36.9]</b>	<b>13.5</b>	<b>[10.2,17.7]</b>	<b>6.0</b>	<b>[3.9,9.0]</b>	<b>100.0</b>	

### 6.2.1 Q: What healthy behavior did you choose to work on?

Universe: Respondents who discussed the HRA with their doctor or someone at their primary care provider's office (n = 243)

	Weighted Proportion	95%CI
At least one healthy behavior (n=212)	85.9	[79.3, 90.7]
Nutrition/diet (n=91)	35.3	[28.3, 43.0]
Exercise/activity (n=74)	29.9	[23.4, 37.3]
Reduce/quit tobacco use (n=51)	20.3	[14.9, 27.0]
Lose weight (n=27)	9.4	[5.9, 14.6]
Don't remember (n=20)	8.5	[5.0, 14.1]
Other (n=13)	5.3	[2.9, 9.5]
None (n=8)	3.5	[1.5, 7.9]
Reduce/quit alcohol use (n=6)	2.4	[0.9, 6.5]
Monitor my blood pressure/sugar (n=4)	1.8	[0.6, 5.1]
Take medicine regularly (n=3)	0.8	[0.2, 2.6]
Go to the dentist (n=1)	0.1	[0.0, 0.5]

**Note:** Respondents were able to provide multiple responses

### 6.2.2 Q: Why did you choose this healthy behavior?

Universe: Respondents who chose a healthy behavior (n = 212)

	Reasons for choosing healthy behavior									
	Wanted to do anyway		Doctor suggested		Improve condition		Easy to do		Other	
	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI
Nutrition/diet (n=91)	51.4	[38.1, 64.5]	23.8	[14.8, 36.0]	31.4	[19.9, 45.7]	0.5	[0.1, 3.0]	3.1	[0.7, 13.2]
Exercise/activity (n=74)	75.8	[75.8, 75.8]	15.5	[15.5, 15.5]	8.5	[8.5, 8.5]	6.3	[6.3, 6.3]	1.3	[1.3, 1.3]
Reduce/quit tobacco use (n=51)	65.5	[65.5, 65.5]	38.2	[38.2, 38.2]	10.0	[10.0, 10.0]				
Lose weight (n=27)	77.8	[77.8, 77.8]	38.3	[38.3, 38.3]	18.8	[18.8, 18.8]				
Other (n=13)	44.6	[44.6, 44.6]	17.0	[17.0, 17.0]	38.4	[38.4, 38.4]				

**Note:** Respondents were able to provide multiple responses. Reasons are not reported for reduce/quit alcohol use, monitor blood pressure/sugar, take medicine regularly, or go to the dentist due to sample sizes <10.

### 6.3 Q: Did completing the Health Risk Assessment teach you something you didn't know about your health?

Universe: Respondents who discussed the HRA with their doctor or someone at their primary care provider's office (n = 235)

	Completing HRA taught me something about my health								Total Row%	
	Definitely yes		Somewhat yes		No		Don't know			
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI		
<b>Age</b>										
19-34 (n=76)	26.8	[16.4,40.8]	45.8	[32.6,59.6]	27.3	[17.1,40.8]	0.0		100.0	
35-50 (n=56)	28.3	[16.8,43.7]	32.5	[19.3,49.4]	39.1	[25.0,55.4]	0.0		100.0	
51-64 (n=103)	23.0	[14.5,34.5]	34.5	[24.2,46.5]	42.2	[31.4,53.8]	0.3	[0.0,1.6]	100.0	
Pearson: Uncorrected chi2(6) =	5.9321									
Design-based F(5.20, 1160.35) =	0.7668	Pr =	0.579							
<b>Gender</b>										
Male (n=116)	31.8	[22.6,42.7]	40.5	[30.2,51.8]	27.5	[18.9,38.1]	0.2	[0.0,1.0]	100.0	
Female (n=119)	17.2	[10.5,26.8]	34.9	[25.2,46.2]	47.9	[37.2,58.8]	0.0		100.0	
Pearson: Uncorrected chi2(3) =	12.0130									
Design-based F(2.27, 505.13) =	3.9655	Pr =	0.016							
<b>Race/ethnicity</b>										
White, non-Hispanic (n=153)	13.7	[8.6,21.1]	41.8	[32.2,52.1]	44.3	[34.9,54.2]	0.2	[0.0,1.0]	100.0	
Black, non-Hispanic (n=52)	44.4	[29.7,60.2]	39.0	[25.0,55.0]	16.6	[7.8,31.7]	0.0		100.0	
Hispanic (n=12)	47.1	[19.1,77.0]	37.2	[13.9,68.6]	15.7	[3.4,49.6]	0.0		100.0	
Other, non-Hispanic (n=18)	30.0	[12.2,56.9]	13.0	[4.3,33.1]	57.1	[30.6,80.0]	0.0		100.0	
Pearson: Uncorrected chi2(9) =	37.0235									
Design-based F(7.49, 1669.58) =	2.9421	Pr =	0.004							
<b>FPL category</b>										
0-35% (n=101)	23.6	[15.9,33.6]	40.9	[31.1,51.5]	35.5	[26.4,45.8]	0.0		100.0	
36-99% (n=74)	31.6	[21.8,43.4]	30.7	[21.4,41.9]	37.0	[27.0,48.2]	0.7	[0.1,3.7]	100.0	
100%+ (n=60)	30.9	[20.1,44.4]	31.8	[21.3,44.7]	37.3	[26.5,49.4]	0.0		100.0	
Pearson: Uncorrected chi2(6) =	3.5600									
Design-based F(4.31, 960.71) =	1.1924	Pr =	0.312							
<b>Region</b>										
UP/NW/NE (n=39)	19.0	[7.8,39.5]	34.4	[17.0,57.3]	45.6	[27.3,65.2]	1.0	[0.2,5.5]	100.0	
W/E Central/E (n=64)	16.9	[9.4,28.4]	39.0	[25.8,53.9]	44.1	[30.5,58.7]	0.0		100.0	
S Central/SW/SE (n=61)	23.0	[11.5,40.7]	40.8	[26.0,57.5]	36.2	[22.2,52.9]	0.0		100.0	
Detroit Metro (n=71)	37.1	[24.9,51.2]	37.1	[25.1,51.0]	25.8	[15.9,39.0]	0.0		100.0	
Pearson: Uncorrected chi2(9) =	13.7671									
Design-based F(6.65, 1483.29) =	1.5202	Pr =	0.160							
<b>Total (n=235)</b>	<b>25.7</b>	<b>[19.5,33.1]</b>	<b>38.2</b>	<b>[30.8,46.2]</b>	<b>35.9</b>	<b>[28.9,43.7]</b>	<b>0.1</b>	<b>[0.0,0.6]</b>	<b>100.0</b>	

Note: The n for this question is lower than in Table 6.2.1 (which has the same universe) due to item non-response.

## 6.4 Q: Did completing the Health Risk Assessment help your primary care provider better understand your health needs?

Universe: Respondents who discussed the HRA with their doctor or someone at their primary care provider's office (n = 235)

	Completing HRA helped PCP understand my health needs								Total Row%	
	Definitely yes		Somewhat yes		No		Don't know			
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI		
<b>Age</b>										
19-34 (n=76)	51.7	[38.6,64.7]	38.7	[26.9,52.1]	5.5	[2.5,11.7]	4.0	[0.6,22.6]	100.0	
35-50 (n=56)	56.1	[40.2,70.8]	34.1	[20.7,50.5]	9.0	[3.6,20.8]	0.8	[0.1,4.8]	100.0	
51-64 (n=103)	55.2	[43.6,66.2]	26.8	[17.8,38.2]	15.9	[9.3,25.9]	2.1	[0.4,9.9]	100.0	
Pearson: Uncorrected chi2(6) =	8.2989									
Design-based F(5.21, 1162.56) =	1.0976	Pr =	0.360							
<b>Gender</b>										
Male (n=116)	58.6	[47.9,68.4]	28.4	[19.8,39.0]	9.0	[5.0,15.8]	4.0	[1.1,14.1]	100.0	
Female (n=119)	47.9	[37.3,58.7]	39.4	[29.2,50.7]	12.3	[7.1,20.5]	0.4	[0.1,2.2]	100.0	
Pearson: Uncorrected chi2(3) =	6.8903									
Design-based F(2.53, 565.20) =	2.2687	Pr =	0.090							
<b>Race/ethnicity</b>										
White, non-Hispanic (n=153)	43.7	[34.4,53.5]	41.4	[31.9,51.5]	14.3	[9.1,21.7]	0.6	[0.2,2.2]	100.0	
Black, non-Hispanic (n=52)	74.1	[59.2,84.9]	16.9	[8.6,30.4]	6.5	[2.1,18.6]	2.5	[0.4,15.8]	100.0	
Hispanic (n=12)	60.3	[29.4,84.8]	36.7	[13.4,68.6]	3.0	[0.4,17.0]	0.0		100.0	
Other, non-Hispanic (n=18)	57.4	[28.5,81.9]	22.7	[6.6,55.0]	2.8	[0.5,15.2]	17.1	[2.8,60.2]	100.0	
Pearson: Uncorrected chi2(9) =	40.5636									
Design-based F(6.88, 1534.44) =	3.3745	Pr =	0.002							
<b>FPL category</b>										
0-35% (n=101)	53.8	[44.0,63.3]	34.2	[25.4,44.2]	9.1	[5.0,15.9]	3.0	[0.7,11.8]	100.0	
36-99% (n=74)	54.5	[43.2,65.4]	32.6	[23.2,43.7]	11.6	[6.3,20.6]	1.2	[0.2,7.1]	100.0	
100%+ (n=60)	55.8	[44.3,66.7]	26.1	[17.3,37.2]	16.8	[9.9,26.9]	1.4	[0.3,7.8]	100.0	
Pearson: Uncorrected chi2(6) =	2.3497									
Design-based F(5.37, 1197.89) =	0.6881	Pr =	0.643							
<b>Region</b>										
UP/NW/NE (n=39)	38.5	[22.4,57.7]	40.1	[21.9,61.5]	21.4	[8.9,43.1]	0.0		100.0	
W/E Central/E (n=64)	38.7	[26.0,53.0]	47.5	[33.6,61.8]	13.8	[7.0,25.7]	0.0		100.0	
S Central/SW/SE (n=61)	51.5	[35.3,67.4]	28.3	[16.2,44.6]	11.8	[6.0,22.1]	8.4	[1.8,31.7]	100.0	
Detroit Metro (n=71)	73.8	[61.1,83.5]	21.2	[12.7,33.3]	3.2	[0.8,11.9]	1.8	[0.3,11.9]	100.0	
Pearson: Uncorrected chi2(9) =	37.3197									
Design-based F(7.44, 1658.52) =	3.1784	Pr =	0.002							
<b>Total (n=235)</b>	<b>54.1</b>	<b>[46.6,61.4]</b>	<b>33.0</b>	<b>[26.2,40.5]</b>	<b>10.4</b>	<b>[6.9,15.3]</b>	<b>2.5</b>	<b>[0.7,8.4]</b>	<b>100.0</b>	

Note: The n for this question is lower than in Table 6.2.1 (which has the same universe) due to item non-response.

## 6.5 Q: Did completing the Health Risk Assessment motivate you to be more responsible for your health?

Universe: Respondents who discussed the HRA with their doctor or someone at their primary care provider's office (n = 235)

	Definitely yes		Completing HRA motivated me to be more responsible for my health				Don't know		Total Row%
	Row%	95%CI	Somewhat yes Row%	95%CI	No Row%	95%CI	Row%	95%CI	
<b>Age</b>									
19-34 (n=76)	64.3	[50.1,76.4]	24.4	[14.5,38.0]	11.3	[4.6,25.3]	0.0		100.0
35-50 (n=56)	55.9	[39.6,71.0]	26.3	[14.3,43.4]	17.8	[8.2,34.5]	0.0		100.0
51-64 (n=103)	57.5	[45.6,68.6]	33.3	[23.1,45.3]	7.5	[3.3,16.2]	1.7	[0.2,10.8]	100.0
Pearson: Uncorrected chi2(6) =	7.5369								
Design-based F(5.88, 1310.92) =	0.7994	Pr =	0.568						
<b>Gender</b>									
Male (n=117)	58.6	[47.5,69.0]	30.9	[21.6,42.1]	9.3	[4.3,19.2]	1.1	[0.2,7.4]	100.0
Female (n=118)	61.0	[50.1,70.9]	24.5	[16.6,34.6]	14.5	[7.9,25.0]	0.0		100.0
Pearson: Uncorrected chi2(3) =	3.2856								
Design-based F(2.95, 657.83) =	0.7159	Pr =	0.540						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=153)	49.7	[40.0,59.4]	37.1	[28.1,47.1]	13.2	[7.4,22.3]	0.0		100.0
Black, non-Hispanic (n=52)	77.4	[61.4,88.0]	13.3	[5.8,27.7]	6.7	[1.7,23.1]	2.5	[0.4,15.8]	100.0
Hispanic (n=12)	81.3	[49.4,95.1]	16.2	[3.6,49.8]	2.5	[0.4,14.0]	0.0		100.0
Other, non-Hispanic (n=18)	53.1	[26.1,78.4]	25.1	[6.9,60.3]	21.8	[5.6,56.4]	0.0		100.0
Pearson: Uncorrected chi2(9) =	25.7273								
Design-based F(7.94, 1771.26) =	1.7522	Pr =	0.083						
<b>FPL category</b>									
0-35% (n=102)	57.5	[47.0,67.3]	29.3	[20.8,39.7]	12.3	[6.7,21.5]	0.9	[0.1,6.0]	100.0
36-99% (n=73)	61.6	[50.6,71.5]	31.7	[22.3,42.8]	6.7	[3.1,14.1]	0.0		100.0
100%+ (n=60)	70.8	[59.1,80.3]	16.7	[9.3,28.2]	12.5	[7.0,21.2]	0.0		100.0
Pearson: Uncorrected chi2(6) =	3.6226								
Design-based F(4.09, 911.83) =	0.9247	Pr =	0.450						
<b>Region</b>									
UP/NW/NE (n=39)	53.2	[33.0,72.5]	36.3	[18.4,59.0]	10.5	[3.0,30.9]	0.0		100.0
W/E Central/E (n=64)	47.0	[33.1,61.3]	33.2	[21.2,47.9]	19.8	[9.9,35.8]	0.0		100.0
S Central/SW/SE (n=62)	63.8	[47.1,77.6]	25.6	[13.9,42.3]	10.6	[4.2,24.6]	0.0		100.0
Detroit Metro (n=70)	69.8	[55.8,80.9]	23.4	[13.6,37.1]	4.9	[1.2,17.6]	1.8	[0.3,11.9]	100.0
Pearson: Uncorrected chi2(9) =	16.2183								
Design-based F(7.31, 1629.50) =	1.4672	Pr =	0.171						
<b>Total (n=235)</b>	<b>59.6</b>	<b>[51.7,67.1]</b>	<b>28.3</b>	<b>[21.7,36.0]</b>	<b>11.4</b>	<b>[7.0,18.0]</b>	<b>0.7</b>	<b>[0.1,4.4]</b>	<b>100.0</b>

Note: The n for this question is lower than in Table 6.2.1 (which has the same universe) due to item non-response.

**7 Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.**

Not applicable to the New Enrollee Survey

**8 Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.**

Not applicable to the New Enrollee Survey

## 9 Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.

### 9.1 Insurance status in the 12 months prior to HMP

Universe: All respondents

	Insurance status in 12 months prior to HMP							Total Row%
	Uninsured all 12 months		Uninsured some of the 12 months		Insured all 12 months			
	Row%	95%CI	Row%	95%CI	Row%	95%CI		
<b>Age</b>								
19-34 (n=217)	45.9	[38.0,53.9]	29.2	[22.5,37.0]	24.9	[18.6,32.5]	100.0	
35-50 (n=177)	52.9	[43.9,61.7]	21.6	[15.4,29.3]	25.5	[18.2,34.5]	100.0	
51-64 (n=208)	45.4	[37.4,53.7]	19.8	[14.3,26.9]	34.8	[27.4,43.0]	100.0	
Pearson: Uncorrected chi2(4) =	9.8591							
Design-based F(3.94, 2325.11) =	1.7193	Pr =	0.144					
<b>Gender</b>								
Male (n=322)	57.7	[51.2,64.0]	19.3	[14.8,24.8]	23.0	[17.8,29.1]	100.0	
Female (n=280)	31.5	[25.4,38.3]	32.4	[25.9,39.7]	36.1	[29.4,43.3]	100.0	
Pearson: Uncorrected chi2(2) =	38.9401							
Design-based F(1.99, 1176.31) =	13.9974	Pr =	0.000					
<b>Race/ethnicity</b>								
White, non-Hispanic (n=396)	44.7	[38.8,50.8]	25.4	[20.5,30.9]	30.0	[24.7,35.8]	100.0	
Black, non-Hispanic (n=114)	52.5	[41.8,62.9]	20.5	[13.5,29.8]	27.1	[18.6,37.6]	100.0	
Hispanic (n=33)	50.9	[31.1,70.4]	26.0	[11.4,48.8]	23.2	[9.8,45.5]	100.0	
Other, non-Hispanic (n=54)	52.4	[36.0,68.3]	27.3	[15.1,44.1]	20.3	[9.8,37.4]	100.0	
Pearson: Uncorrected chi2(6) =	4.8647							
Design-based F(5.92, 3463.60) =	0.5006	Pr =	0.806					
<b>FPL category</b>								
0-35% (n=239)	47.2	[40.7,53.8]	22.9	[17.8,28.8]	29.9	[24.2,36.3]	100.0	
36-99% (n=191)	48.4	[41.5,55.4]	29.2	[23.4,35.9]	22.3	[17.3,28.3]	100.0	
100%+ (n=172)	50.8	[43.4,58.2]	25.1	[19.2,32.1]	24.1	[18.6,30.6]	100.0	
Pearson: Uncorrected chi2(4) =	3.7214							
Design-based F(3.58, 2113.77) =	1.3991	Pr =	0.236					
<b>Region</b>								
UP/NW/NE (n=95)	57.6	[44.5,69.7]	16.1	[10.2,24.5]	26.3	[15.8,40.6]	100.0	
W/E Central/E (n=162)	44.9	[36.1,54.1]	24.1	[17.0,33.1]	31.0	[23.1,40.1]	100.0	
S Central/SW/SE (n=148)	44.8	[35.0,54.9]	31.3	[23.0,41.0]	23.9	[16.6,33.2]	100.0	
Detroit Metro (n=197)	49.3	[41.2,57.5]	22.4	[16.4,29.8]	28.3	[21.5,36.2]	100.0	
Pearson: Uncorrected chi2(6) =	7.8582							
Design-based F(5.64, 3329.24) =	1.0003	Pr =	0.421					
<b>Total (n=602)</b>	<b>47.9</b>	<b>[43.0,52.8]</b>	<b>24.2</b>	<b>[20.4,28.6]</b>	<b>27.9</b>	<b>[23.7,32.5]</b>	<b>100.0</b>	

## 9.2 Q: During the 12 months before you enrolled in the Healthy Michigan Plan, did you have any type of health insurance at any time?

Universe: All respondents

	Had health insurance at any time in the 12 months prior to HMP						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	54.4	[46.4,62.2]	44.7	[36.9,52.7]	0.9	[0.3,2.5]	100.0
35-50 (n=178)	47.6	[38.8,56.6]	52.2	[43.2,61.0]	0.2	[0.0,1.2]	100.0
51-64 (n=209)	56.9	[48.7,64.8]	43.1	[35.2,51.3]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.6816						
Design-based F(3.13, 1859.67) =	1.4671	Pr =	0.220				
<b>Gender</b>							
Male (n=326)	42.9	[36.6,49.4]	56.5	[50.0,62.8]	0.6	[0.2,1.7]	100.0
Female (n=281)	70.1	[63.4,76.1]	29.7	[23.8,36.4]	0.2	[0.0,1.0]	100.0
Pearson: Uncorrected chi2(2) =	42.4303						
Design-based F(1.50, 894.77) =	25.3875	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	56.4	[50.3,62.3]	42.9	[37.0,49.0]	0.7	[0.3,1.8]	100.0
Black, non-Hispanic (n=114)	48.5	[38.1,59.1]	51.5	[40.9,61.9]	0.0		100.0
Hispanic (n=33)	49.1	[29.6,68.9]	50.9	[31.1,70.4]	0.0		100.0
Other, non-Hispanic (n=54)	47.6	[31.7,64.0]	52.4	[36.0,68.3]	0.0		100.0
Pearson: Uncorrected chi2(6) =	5.6809						
Design-based F(5.55, 3271.79) =	0.6641	Pr =	0.667				
<b>FPL category</b>							
0-35% (n=239)	53.8	[47.2,60.3]	46.2	[39.7,52.8]	0.0		100.0
36-99% (n=192)	52.7	[45.6,59.6]	46.5	[39.6,53.5]	0.8	[0.1,4.8]	100.0
100%+ (n=176)	49.6	[42.3,56.9]	48.1	[40.8,55.5]	2.3	[0.8,6.5]	100.0
Pearson: Uncorrected chi2(4) =	8.7244						
Design-based F(3.73, 2220.02) =	3.3137	Pr =	0.012				
<b>Region</b>							
UP/NW/NE (n=95)	44.7	[32.3,57.7]	55.3	[42.3,67.7]	0.0		100.0
W/E Central/E (n=163)	55.9	[46.8,64.7]	43.6	[34.8,52.8]	0.5	[0.1,2.7]	100.0
S Central/SW/SE (n=151)	54.8	[44.8,64.5]	44.3	[34.6,54.3]	0.9	[0.2,3.6]	100.0
Detroit Metro (n=198)	52.1	[44.0,60.2]	47.6	[39.6,55.8]	0.2	[0.0,1.5]	100.0
Pearson: Uncorrected chi2(6) =	3.9014						
Design-based F(5.02, 2987.39) =	0.6706	Pr =	0.646				
<b>Total (n=607)</b>	<b>53.1</b>	<b>[48.2,57.9]</b>	<b>46.5</b>	<b>[41.7,51.4]</b>	<b>0.4</b>	<b>[0.2,1.1]</b>	<b>100.0</b>

**9.2.1 Q: What type of health insurance did you have? Was it insurance through a job or union, insurance purchased by you or someone else, or another type of insurance?**

*Universe:* Respondents who had health insurance at any time in the 12 months prior to HMP (n = 332)

	Weighted Proportion	95%CI
Through job or union (n=241)	73.0	[66.7, 78.4]
Medicaid/MiChild/state program (n=39)	11.7	[8.1, 16.6]
Purchased by you or someone else (n=40)	11.3	[7.8, 16.0]
Other (n=5)	1.9	[0.7, 5.2]
Don't know (n=3)	1.3	[0.3, 5.2]
Veterans Administration or VA care (n=5)	1.2	[0.5, 3.2]
Medicare (n=1)	0.8	[0.1, 5.1]
County health plan (n=1)	0.1	[0.0, 0.4]

**Note:** Respondents were able to provide multiple responses

**9.2.1.1 Q: Whose job is it?**

*Universe:* Respondents who had insurance provided through a job or union (n = 241)

	Weighted Proportion	95%CI
Respondent (n=162)	68.6	[60.8, 75.5]
Family member (n=79)	31.4	[24.5, 39.2]

**9.2.1.2 Follow up questions on purchased health insurance**

*Universe:* Respondents who purchased insurance (n = 40)

	Weighted Proportion	95%CI
<b>Who purchased it?</b>		
Respondent (n=28)	72.4	[72.4, 72.4]
Family member (n=12)	27.6	[27.6, 27.6]
<b>Was this insurance purchased through the marketplace known as healthcare.gov?</b>		
Yes (n=25)	59.2	[59.2, 59.2]
No (n=9)	18.7	[18.7, 18.7]
Don't know (n=6)	22.0	[22.0, 22.0]
<b>If insurance was purchased through the marketplace: Did you receive a subsidy?</b>		
Yes (n=18)	74.9	[74.9, 74.9]
No (n=6)	23.7	[23.7, 23.7]
Don't know (n=1)	1.4	[1.4, 1.4]

### 9.3 Q: Was there any time in the 12 months before you enrolled in the Healthy Michigan Plan that you didn't have any health insurance?

Universe: Respondents who had health insurance at any time in the 12 months prior to HMP (n = 332)

	Had no insurance for some time in the 12 months prior to HMP						Total Row%
	Yes Row%	95%CI	No Row%	95%CI	Don't know Row%	95%CI	
<b>Age</b>							
19-34 (n=123)	54.6	[43.7,65.1]	45.4	[34.9,56.3]	0.0		100.0
35-50 (n=87)	46.5	[34.2,59.3]	53.5	[40.7,65.8]	0.0		100.0
51-64 (n=122)	38.8	[29.0,49.6]	61.0	[50.1,70.8]	0.3	[0.0,1.5]	100.0
Pearson: Uncorrected chi2(4) =	6.4968						
Design-based F(3.21, 1027.79) =	1.3685	Pr =	0.249				
<b>Gender</b>							
Male (n=140)	46.6	[37.0,56.4]	53.3	[43.4,62.9]	0.2	[0.0,0.9]	100.0
Female (n=192)	48.7	[39.9,57.5]	51.3	[42.5,60.1]	0.0		100.0
Pearson: Uncorrected chi2(2) =	0.3999						
Design-based F(1.27, 407.71) =	0.2314	Pr =	0.689				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=231)	47.2	[39.4,55.1]	52.7	[44.8,60.5]	0.1	[0.0,0.7]	100.0
Black, non-Hispanic (n=60)	44.2	[30.5,58.9]	55.8	[41.1,69.5]	0.0		100.0
Hispanic (n=14)	52.9	[24.0,79.9]	47.1	[20.1,76.0]	0.0		100.0
Other, non-Hispanic (n=25)	57.3	[33.3,78.2]	42.7	[21.8,66.7]	0.0		100.0
Pearson: Uncorrected chi2(6) =	1.6412						
Design-based F(5.12, 1627.53) =	0.1875	Pr =	0.969				
<b>FPL category</b>							
0-35% (n=130)	44.4	[35.8,53.4]	55.6	[46.6,64.2]	0.0		100.0
36-99% (n=107)	57.9	[48.8,66.6]	42.1	[33.4,51.2]	0.0		100.0
100%+ (n=95)	52.0	[42.1,61.8]	47.3	[37.6,57.2]	0.7	[0.1,3.8]	100.0
Pearson: Uncorrected chi2(4) =	5.7171						
Design-based F(2.50, 798.51) =	3.5245	Pr =	0.021				
<b>Region</b>							
UP/NW/NE (n=44)	41.1	[25.3,58.9]	58.9	[41.1,74.7]	0.0		100.0
W/E Central/E (n=92)	44.9	[32.9,57.4]	55.1	[42.6,67.1]	0.0		100.0
S Central/SW/SE (n=88)	56.5	[43.5,68.6]	43.2	[31.0,56.1]	0.4	[0.1,2.0]	100.0
Detroit Metro (n=108)	45.9	[35.1,57.2]	54.1	[42.8,64.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.3078						
Design-based F(3.57, 1141.42) =	0.9464	Pr =	0.429				
<b>Total (n=332)</b>	<b>47.6</b>	<b>[41.0,54.3]</b>	<b>52.3</b>	<b>[45.6,58.9]</b>	<b>0.1</b>	<b>[0.0,0.5]</b>	<b>100.0</b>

## 9.4 Q: What were the main reasons you were without health insurance for that time?

*Universe:* Respondents who had no insurance for some or all of the 12 months prior to HMP (n = 433)

	Weighted Proportion	95%CI
No job during that time (n=119)	30.2	[25.2, 35.8]
Too expensive (non-specific) (n=133)	24.3	[20.0, 29.2]
Other (n=66)	14.3	[10.8, 18.6]
Have a job, but it does not offer insurance (n=53)	13.2	[9.7, 17.8]
Do not need health insurance (n=22)	7.2	[4.6, 11.3]
Marketplace/individual plan too expensive (n=27)	6.5	[4.1, 10.0]
Time for HMP application to be completed/accepted (n=29)	6.4	[4.1, 9.8]
Did not get around to it (n=23)	6.4	[3.9, 10.2]
Had problems with (re-)applying for Medicaid (n=17)	4.3	[2.6, 7.2]
Have a job, but insurance is too expensive (n=14)	2.7	[1.4, 5.2]
Tried to enroll, but redirected to Medicaid (n=4)	1.2	[0.4, 3.5]
Had problems with (re-)applying for private insurance (n=2)	0.6	[0.1, 2.5]
Have job, waiting for open enrollment (n=1)	0.1	[0.0, 0.3]
Do not know (n=1)	0.1	[0.0, 0.8]

**Note:** Respondents were able to provide multiple responses

## 9.5 Q: While you were without health insurance, was there a time when you knew about the Healthy Michigan Plan but did not apply?

Universe: Respondents who had no insurance for two months or more in the 12 months prior to enrollment (n = 264)

	Yes		Knew about HMP but did not apply No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=92)	25.4	[16.8,36.5]	74.6	[63.5,83.2]	0.0		100.0
35-50 (n=87)	44.0	[32.0,56.8]	55.2	[42.4,67.2]	0.9	[0.2,3.0]	100.0
51-64 (n=85)	27.3	[17.7,39.5]	72.4	[60.2,82.0]	0.3	[0.1,2.0]	100.0
Pearson: Uncorrected chi2(4) =	9.9164						
Design-based F(2.73, 688.32) =	3.1025	Pr =	0.030				
<b>Gender</b>							
Male (n=179)	30.4	[23.0,38.9]	69.2	[60.7,76.6]	0.4	[0.1,1.4]	100.0
Female (n=85)	38.5	[27.2,51.2]	61.1	[48.4,72.5]	0.4	[0.1,2.3]	100.0
Pearson: Uncorrected chi2(2) =	1.4061						
Design-based F(1.38, 347.28) =	1.0224	Pr =	0.337				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=164)	35.6	[27.2,45.0]	64.0	[54.6,72.4]	0.4	[0.1,1.7]	100.0
Black, non-Hispanic (n=53)	28.1	[16.4,43.9]	71.3	[55.6,83.2]	0.5	[0.1,2.9]	100.0
Hispanic (n=17)	23.3	[9.1,48.0]	76.7	[52.0,90.9]	0.0		100.0
Other, non-Hispanic (n=27)	29.7	[13.2,53.8]	70.3	[46.2,86.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	2.2502						
Design-based F(4.58, 1139.28) =	0.3696	Pr =	0.855				
<b>FPL category</b>							
0-35% (n=106)	31.5	[23.1,41.2]	68.5	[58.8,76.9]	0.0		100.0
36-99% (n=82)	36.4	[26.8,47.2]	63.6	[52.8,73.2]	0.0		100.0
100%+ (n=76)	31.0	[22.0,41.8]	66.0	[55.1,75.5]	2.9	[1.0,8.3]	100.0
Pearson: Uncorrected chi2(4) =	7.1204						
Design-based F(2.74, 691.70) =	4.0068	Pr =	0.010				
<b>Region</b>							
UP/NW/NE (n=51)	19.6	[10.8,32.8]	80.4	[67.2,89.2]	0.0		100.0
W/E Central/E (n=66)	46.1	[32.5,60.4]	53.5	[39.3,67.2]	0.4	[0.1,2.1]	100.0
S Central/SW/SE (n=61)	32.6	[20.0,48.2]	66.8	[51.2,79.4]	0.6	[0.1,3.4]	100.0
Detroit Metro (n=86)	27.1	[17.7,39.1]	72.5	[60.5,82.0]	0.4	[0.1,2.4]	100.0
Pearson: Uncorrected chi2(6) =	9.8312						
Design-based F(3.91, 986.18) =	2.1914	Pr =	0.070				
<b>Total (n=264)</b>	<b>32.3</b>	<b>[25.9,39.3]</b>	<b>67.4</b>	<b>[60.3,73.7]</b>	<b>0.4</b>	<b>[0.1,1.1]</b>	<b>100.0</b>

### 9.5.1 Q: Why did you not apply?

*Universe:* Respondents who had no insurance for two months or more in the 12 months prior to enrollment, and knew about HMP, but did not apply (n = 91)

	Weighted Proportion	95%CI
Did not think I was eligible (n=37)	33.7	[22.9,46.6]
Did not get around to it (n=28)	33.2	[23.0,45.3]
Healthy/did not need care (n=10)	16.3	[8.1,30.2]
Paperwork/application process was too burdensome (n=6)	7.4	[2.7,18.9]
Other (n=5)	6.3	[2.6,14.5]
Do not need health insurance (n=3)	4.6	[1.3,15.2]
Did not want to be on a government program (n=3)	3.5	[1.0,11.1]
Do not know (n=2)	2.1	[0.4,9.1]
Did not like a certain feature of HMP (n=1)	1.0	[0.1,6.3]

**Note:** Respondents were able to provide multiple responses

### 9.6 Q: What prompted you to apply for the Healthy Michigan Plan?

*Universe:* All respondents

	Weighted Proportion	95%CI
Lost my other health insurance (n=183)	29.6	[25.4,34.2]
Other (n=149)	21.5	[18.0,25.5]
Had a medical condition that needed care (n=111)	19.2	[15.6,23.3]
Suggested/signed up at ER/hospital/other (n=82)	15.2	[11.9,19.1]
Needed some form of health insurance (n=87)	15.0	[11.8,18.8]
Suggested/signed up by caseworker/social service agency (n=36)	5.6	[3.8,8.3]
Tried to enroll in private/Marketplace ins, redirected to Medicaid (n=9)	2.1	[1.0,4.6]
Wanted to avoid tax return garnishment/penalty (n=15)	2.0	[1.1,3.7]
Don't know (n=3)	0.9	[0.3,2.9]

**Note:** Respondents were able to provide multiple responses

## 9.7 Q: Did you have any problems with the Healthy Michigan Plan application and enrollment process?

Universe: All respondents

	Problems with HMP enrollment						Total Row%
	Yes Row%	95%CI	No Row%	95%CI	Don't know Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	6.1	[3.5,10.4]	93.9	[89.6,96.5]	0.0		100.0
35-50 (n=178)	5.1	[2.4,10.4]	94.7	[89.5,97.4]	0.2	[0.0,1.3]	100.0
51-64 (n=209)	3.0	[1.2,7.3]	96.8	[92.6,98.7]	0.1	[0.0,0.8]	100.0
Pearson: Uncorrected chi2(4) =	2.5843						
Design-based F(2.78, 1655.46) =	0.8579	Pr =	0.455				
<b>Gender</b>							
Male (n=326)	2.9	[1.5,5.5]	97.0	[94.4,98.4]	0.1	[0.0,0.6]	100.0
Female (n=281)	8.3	[5.1,13.4]	91.6	[86.5,94.8]	0.1	[0.0,0.6]	100.0
Pearson: Uncorrected chi2(2) =	8.9639						
Design-based F(1.38, 819.13) =	6.0179	Pr =	0.007				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	7.3	[4.8,11.1]	92.5	[88.8,95.0]	0.2	[0.0,0.6]	100.0
Black, non-Hispanic (n=114)	0.9	[0.3,2.6]	99.1	[97.4,99.7]	0.0		100.0
Hispanic (n=33)	1.0	[0.2,6.0]	99.0	[94.0,99.8]	0.0		100.0
Other, non-Hispanic (n=54)	1.8	[0.4,7.1]	98.2	[92.9,99.6]	0.0		100.0
Pearson: Uncorrected chi2(6) =	12.2163						
Design-based F(3.90, 2298.75) =	2.5934	Pr =	0.036				
<b>FPL category</b>							
0-35% (n=239)	4.1	[2.2,7.5]	95.9	[92.5,97.8]	0.0		100.0
36-99% (n=192)	8.1	[5.1,12.6]	91.7	[87.2,94.7]	0.2	[0.0,1.3]	100.0
100%+ (n=176)	5.4	[3.1,9.3]	94.1	[90.1,96.5]	0.5	[0.1,3.0]	100.0
Pearson: Uncorrected chi2(4) =	4.7943						
Design-based F(2.78, 1656.18) =	2.4741	Pr =	0.065				
<b>Region</b>							
UP/NW/NE (n=95)	2.1	[0.7,6.2]	97.5	[93.5,99.1]	0.4	[0.1,2.4]	100.0
W/E Central/E (n=163)	5.0	[2.6,9.6]	94.8	[90.2,97.3]	0.2	[0.0,1.4]	100.0
S Central/SW/SE (n=151)	8.6	[4.7,15.2]	91.4	[84.8,95.3]	0.0		100.0
Detroit Metro (n=198)	3.6	[1.5,8.4]	96.4	[91.6,98.5]	0.0		100.0
Pearson: Uncorrected chi2(6) =	7.0520						
Design-based F(3.56, 2117.36) =	1.8521	Pr =	0.124				
<b>Total (n=607)</b>	<b>4.9</b>	<b>[3.3,7.3]</b>	<b>95.0</b>	<b>[92.6,96.6]</b>	<b>0.1</b>	<b>[0.0,0.4]</b>	<b>100.0</b>

### 9.7.1 Q: What happened?

Universe: Respondents who had a problem with the Healthy Michigan Plan application and enrollment process (n = 36)

	Percent
Difficulty completing enrollment materials (n=19)	42.4
Other (n=6)	17.6
Administrative problems: case workers difficulties/difficult to reach (n=5)	15.4
Administrative problems: eligibility/administrative error by DHHS (n=3)	15.4
Enrollment materials submitted; DHHS said never received/incomplete (n=6)	14.7
Told I wasn't eligible (n=2)	10.0
Administrative problems: problem with information being requested (n=2)	9.4
Respondent didn't complete all steps (n=1)	8.3
Administrative problems: inaccurate information from/problem with Medicaid (n=1)	1.2
Administrative problems: problem with Medicaid/HMP ID card (n=1)	1.0

Note: Respondents were able to provide multiple responses

## 9.8 Q: When you were choosing your health plan and primary care provider, were you trying to keep your existing doctor or clinic?

Universe: All respondents

	Tried to keep existing doctor or clinic						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=220)	36.4	[29.2,44.3]	62.9	[55.0,70.2]	0.7	[0.1,4.3]	100.0
35-50 (n=178)	48.8	[39.9,57.7]	51.0	[42.0,59.8]	0.3	[0.0,1.5]	100.0
51-64 (n=209)	54.1	[45.8,62.1]	44.7	[36.8,53.0]	1.2	[0.2,7.6]	100.0
Pearson: Uncorrected chi2(4) =	15.6279						
Design-based F(3.56, 2117.32) =	3.0281	Pr =	0.021				
<b>Gender</b>							
Male (n=326)	40.1	[34.0,46.6]	58.9	[52.4,65.1]	1.0	[0.2,3.7]	100.0
Female (n=281)	53.6	[46.4,60.7]	46.2	[39.1,53.4]	0.2	[0.0,1.2]	100.0
Pearson: Uncorrected chi2(2) =	11.1105						
Design-based F(1.69, 1005.19) =	5.7502	Pr =	0.005				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=401)	49.7	[43.7,55.7]	49.6	[43.6,55.6]	0.7	[0.1,3.3]	100.0
Black, non-Hispanic (n=114)	40.3	[30.3,51.1]	59.7	[48.9,69.7]	0.0		100.0
Hispanic (n=33)	32.4	[17.3,52.4]	67.6	[47.6,82.7]	0.0		100.0
Other, non-Hispanic (n=54)	33.0	[20.2,49.0]	63.8	[47.6,77.4]	3.2	[0.5,18.7]	100.0
Pearson: Uncorrected chi2(6) =	15.9159						
Design-based F(5.92, 3490.49) =	1.7141	Pr =	0.115				
<b>FPL category</b>							
0-35% (n=239)	45.1	[38.6,51.7]	54.1	[47.5,60.5]	0.9	[0.2,3.3]	100.0
36-99% (n=192)	44.7	[37.9,51.7]	54.9	[47.9,61.7]	0.4	[0.1,2.7]	100.0
100%+ (n=176)	46.3	[39.3,53.5]	53.7	[46.5,60.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	0.8606						
Design-based F(2.93, 1746.00) =	0.2474	Pr =	0.859				
<b>Region</b>							
UP/NW/NE (n=95)	48.9	[36.2,61.7]	51.1	[38.3,63.8]	0.0		100.0
W/E Central/E (n=163)	48.0	[39.1,57.2]	51.7	[42.6,60.7]	0.3	[0.0,1.7]	100.0
S Central/SW/SE (n=151)	43.5	[34.2,53.2]	55.3	[45.5,64.7]	1.2	[0.2,7.9]	100.0
Detroit Metro (n=198)	43.2	[35.3,51.5]	56.0	[47.7,63.9]	0.8	[0.1,5.5]	100.0
Pearson: Uncorrected chi2(6) =	2.7360						
Design-based F(5.29, 3146.56) =	0.3479	Pr =	0.893				
<b>Total (n=607)</b>	<b>45.2</b>	<b>[40.4,50.0]</b>	<b>54.2</b>	<b>[49.3,58.9]</b>	<b>0.7</b>	<b>[0.2,2.3]</b>	<b>100.0</b>

### 9.8.1 Q: Were you able to keep your same doctor or clinic?

Universe: Respondents who tried to keep their existing doctor or clinic (n = 295)

	Able to keep same doctor or clinic						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Age</b>							
19-34 (n=87)	80.1	[69.3,87.8]	19.1	[11.5,29.9]	0.8	[0.2,3.2]	100.0
35-50 (n=90)	85.8	[74.5,92.6]	10.8	[5.2,21.1]	3.4	[0.7,14.3]	100.0
51-64 (n=118)	80.0	[70.2,87.2]	17.0	[10.6,26.2]	3.0	[0.7,12.0]	100.0
Pearson: Uncorrected chi2(4) =	4.0703						
Design-based F(3.52, 996.57) =	0.7975	Pr =	0.513				
<b>Gender</b>							
Male (n=140)	82.1	[73.3,88.4]	14.9	[9.3,23.2]	3.0	[0.8,10.3]	100.0
Female (n=155)	81.8	[74.4,87.4]	16.6	[11.2,23.9]	1.6	[0.6,4.3]	100.0
Pearson: Uncorrected chi2(2) =	0.7015						
Design-based F(1.97, 558.85) =	0.3069	Pr =	0.733				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=211)	87.8	[83.2,91.3]	11.2	[7.8,15.7]	1.0	[0.4,2.8]	100.0
Black, non-Hispanic (n=46)	64.4	[46.5,79.0]	27.9	[15.2,45.6]	7.7	[2.0,25.8]	100.0
Hispanic (n=14)	69.5	[37.1,89.8]	27.4	[8.3,61.1]	3.1	[0.5,17.7]	100.0
Other, non-Hispanic (n=21)	81.9	[49.7,95.4]	18.1	[4.6,50.3]	0.0		100.0
Pearson: Uncorrected chi2(6) =	22.0611						
Design-based F(4.93, 1380.80) =	2.9191	Pr =	0.013				
<b>FPL category</b>							
0-35% (n=115)	85.2	[77.2,90.7]	12.2	[7.2,19.8]	2.7	[0.8,8.4]	100.0
36-99% (n=91)	79.1	[69.6,86.2]	18.9	[12.2,28.2]	2.0	[0.6,6.7]	100.0
100%+ (n=89)	68.5	[58.5,77.0]	30.0	[21.6,40.0]	1.5	[0.4,4.9]	100.0
Pearson: Uncorrected chi2(4) =	8.4058						
Design-based F(3.28, 927.74) =	3.3073	Pr =	0.017				
<b>Region</b>							
UP/NW/NE (n=49)	88.9	[77.2,95.0]	10.3	[4.4,22.2]	0.9	[0.2,4.4]	100.0
W/E Central/E (n=86)	86.0	[76.7,91.9]	13.7	[7.8,23.0]	0.3	[0.1,2.0]	100.0
S Central/SW/SE (n=73)	87.3	[79.6,92.4]	9.7	[5.5,16.6]	2.9	[0.9,8.8]	100.0
Detroit Metro (n=87)	74.1	[61.8,83.4]	21.8	[13.4,33.5]	4.1	[1.0,14.8]	100.0
Pearson: Uncorrected chi2(6) =	9.6928						
Design-based F(4.49, 1271.57) =	2.2519	Pr =	0.054				
<b>Total (n=295)</b>	<b>82.0</b>	<b>[76.3,86.5]</b>	<b>15.7</b>	<b>[11.5,21.0]</b>	<b>2.4</b>	<b>[0.9,6.1]</b>	<b>100.0</b>

#### 9.8.1.1 Q: Why not?

Universe: Respondents who tried to keep their existing doctor or clinic and were not able to (n = 59)

	Percent	95%CI
My doctor/clinic does not take Medicaid (n=42)	66.2	[66.2,66.2]
Other (n=16)	31.0	[31.0,31.0]
N/A: hadn't picked a doctor yet (n=1)	1.6	[1.6,1.6]

**2017 Healthy Michigan Voices New Enrollee Survey  
Appendix B**

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8.3.7 Reason for applying: Other by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP . . . . .	B53
8.3.8 Reason for applying: Lost my other health insurance by specific age categories . . . . .	B55
8.3.9 Reason for applying: Needed some form of health insurance by specific age categories . . . . .	B55

# 1 Demographics

## 1.1 Demographic comparison of new enrollees in 2017 and enrollees in 2016

	Enrollees surveyed in 2016 <sup>a</sup>		New enrollees surveyed in 2017 <sup>b</sup>	
	Weighted %	95% CI	Weighted %	95% CI
<b>Age</b>				
19-34	40.0	[38.0, 42.0]	41.4	[36.7, 46.3]
35-50	34.0	[32.1, 35.9]	30.4	[26.1, 35.1]
51-64	26.0	[24.5, 27.6]	28.2	[24.3, 32.4]
<b>Gender</b>				
Male	48.4	[46.5, 50.4]	62.6	[58.0, 67.0]
Female	51.6	[49.6, 53.5]	37.4	[33.0, 42.0]
<b>Race</b>				
White	61.2	[59.3, 63.0]	63.2	[58.5, 67.6]
Black or African American	26.1	[24.3, 27.9]	23.2	[19.5, 27.4]
Other	8.8	[7.7, 10.0]	9.2	[6.7, 12.4]
More than one	4.0	[3.3, 4.9]	4.4	[2.7, 7.2]
<b>FPL category</b>				
0-35%	51.8	[50.8, 52.8]	70.2	[69.0, 71.3]
36-99%	28.4	[27.6, 29.3]	17.1	[16.3, 18.0]
100%+	19.8	[19.1, 20.4]	12.7	[12.0, 13.5]
<b>Region</b>				
UP/NW/NE	9.0	[8.6, 9.4]	9.6	[8.6, 10.7]
W/E Central/E	28.6	[27.8, 29.4]	27.9	[26.6, 29.3]
S Central/SW/SE	18.6	[17.8, 19.3]	22.0	[20.6, 23.5]
Detroit Metro	43.8	[42.8, 44.9]	40.5	[39.1, 41.9]
<b>Hispanic/Latino</b>				
Yes	5.2	[4.4, 6.2]	6.5	[4.3, 9.6]
No	94.3	[93.3, 95.2]	93.1	[90.0, 95.4]
Don't know	0.5	[0.2, 0.9]	0.4	[0.1, 1.7]
<b>Arab, Chaldean, Middle Eastern</b>				
Yes	6.2	[5.3, 7.2]	3.8	[2.3, 6.2]
No	93.6	[92.5, 94.5]	96.2	[93.8, 97.7]
Don't know	0.3	[0.1, 0.6]	-	-
<b>Urbanicity</b>				
Urban	81.0	[80.0, 82.0]	81.4	[78.5, 84.0]
Suburban	8.8	[7.9, 9.7]	7.7	[5.6, 10.4]
Rural	10.2	[9.7, 10.7]	10.9	[9.3, 12.6]
<b>Employed or self-employed</b>				
	48.8	[47.0, 50.7]	55.1	[50.2, 59.9]
<b>Veteran</b>				
Yes	3.4	[2.7, 4.2]	5.6	[3.7, 8.4]
No	96.5	[95.7, 97.2]	94.4	[91.6, 96.3]
Don't know	0.1	[0.0, 0.5]	-	-
<b>Marital status</b>				
Married	20.4	[19.0, 21.8]	17.2	[14.3, 20.6]
Partnered	4.3	[3.6, 5.1]	3.1	[1.9, 4.9]
Divorced	18.2	[16.8, 19.6]	18.2	[14.9, 22.0]
Widowed	2.8	[2.3, 3.4]	2.5	[1.4, 4.4]
Separated	2.8	[2.3, 3.4]	3.1	[1.7, 5.4]
Never married	51.6	[49.6, 53.5]	55.4	[50.6, 60.0]
Don't know	0.1	[0.0, 0.2]	0.6	[0.1, 2.3]
<b>Any chronic condition</b>				
Yes	69.2	[67.3, 71.0]	66.8	[62.0, 71.3]
No	30.8	[29.0, 32.7]	33.2	[28.7, 38.0]
<b>Other HMP enrollee in household</b>				
Yes	35.7	[34.0, 37.5]	27.8	[23.8, 32.2]
No	58.0	[56.1, 59.8]	66.2	[61.6, 70.6]
Don't know	6.3	[5.3, 7.6]	6.0	[3.9, 9.0]

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<b>Need help reading written materials</b>				
Never	72.6	[70.8, 74.3]	68.2	[63.4, 72.6]
Rarely	10.6	[9.5, 12.0]	15.5	[12.1, 19.5]
Sometimes	10.6	[9.4, 11.9]	8.3	[6.1, 11.3]
Often	2.4	[1.8, 3.1]	4.0	[2.5, 6.3]
Always	3.7	[3.1, 4.5]	4.1	[2.5, 6.5]
Don't know	0.0	[0.0, 0.1]	-	-
<b>Insurance at any time in the 12 months prior to HMP</b>				
Yes	40.7	[38.8, 42.6]	53.1	[48.2, 57.9]
No	57.9	[55.9, 59.8]	46.5	[41.7, 51.4]
Don't know	1.4	[1.0, 2.1]	0.4	[0.2, 1.1]
<b>Health status</b>				
Excellent	9.5	[8.4, 10.8]	9.9	[7.3, 13.3]
Very good	26.8	[25.0, 28.7]	25.4	[21.4, 29.9]
Good	33.8	[32.0, 35.7]	33.4	[29.1, 38.0]
Fair	22.2	[20.7, 23.8]	24.9	[20.9, 29.5]
Poor	7.5	[6.6, 8.6]	5.8	[4.0, 8.3]
Don't know	0.1	[0.0, 0.4]	0.6	[0.2, 2.6]
<b>Regular source of care prior to HMP</b>				
Yes	78.3	[72.0, 75.5]	63.5	[58.6, 68.2]
No	24.0	[22.4, 25.8]	32.5	[28.0, 37.3]
NA-didn't need care	2.1	[1.5, 2.8]	3.5	[2.0, 5.9]
Don't know	0.1	[0.1, 0.4]	0.5	[0.1, 2.3]

Note: Weighted proportions

## 2 Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

### 2.1 Health status by insurance status in the 12 months prior to HMP

	Excellent		Very good		Good		Fair		Poor		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Insurance status in 12 months prior to HMP</b>											
Uninsured all 12 months (n=278)	12.1	[8.0, 18.0]	24.3	[18.8, 30.8]	32.4	[26.2, 39.3]	26.0	[20.2, 32.8]	5.2	[3.0, 8.7]	100.0
Uninsured some of the 12 months (n=152)	6.6	[3.3, 12.7]	29.2	[21.0, 39.1]	32.2	[24.1, 41.5]	26.4	[18.5, 36.1]	5.5	[2.5, 11.7]	100.0
Insured all 12 months (n=169)	9.3	[5.1, 16.4]	24.1	[16.9, 33.0]	37.0	[28.6, 46.2]	22.9	[15.8, 31.9]	6.8	[3.3, 13.6]	100.0
Pearson: Uncorrected chi2(8) =	5.9236										
Design-based F(7.94, 4658.65) =	0.5073		Pr =		0.850						
<b>Total (n=604)</b>	<b>9.9</b>	<b>[7.3, 13.4]</b>	<b>25.6</b>	<b>[21.5, 30.1]</b>	<b>33.6</b>	<b>[29.3, 38.3]</b>	<b>25.1</b>	<b>[21.0, 29.7]</b>	<b>5.8</b>	<b>[4.0, 8.3]</b>	<b>100.0</b>

Note:  $\chi^2$  test of independence.

### 2.2 Number of chronic conditions by insurance status in the 12 months prior to HMP

	Number of chronic conditions						Total Row%
	None		One		Two or more		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Insurance status in 12 months prior to HMP</b>							
Uninsured all 12 months (n=280)	35.2	[28.7, 42.3]	27.1	[21.0, 34.2]	37.7	[31.3, 44.6]	100.0
Uninsured some of the 12 months (n=153)	34.6	[25.9, 44.4]	28.6	[20.7, 38.0]	36.8	[28.1, 46.4]	100.0
Insured all 12 months (n=169)	28.9	[20.9, 38.6]	19.6	[13.5, 27.6]	51.5	[42.2, 60.6]	100.0
Pearson: Uncorrected chi2(4) =	10.3065						
Design-based F(3.98, 2347.71) =	1.7297		Pr =		0.141		
<b>Total (n=607)</b>	<b>33.2</b>	<b>[28.7, 38.0]</b>	<b>25.6</b>	<b>[21.5, 30.1]</b>	<b>41.2</b>	<b>[36.6, 46.0]</b>	<b>100.0</b>

Note:  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

### 3 Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

#### 3.1 Knowledge and understanding of HMP cost-sharing requirements and healthy behavior rewards

##### 3.1.1 Did not receive information about HMP cost-sharing by age and education

	Did not receive cost sharing info				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Age</b>					
19-34 (n=220)	20.8	[15.3, 27.6]	79.2	[72.4, 84.7]	100.0
35-50 (n=178)	30.3	[22.7, 39.0]	69.7	[61.0, 77.3]	100.0
51-64 (n=209)	21.0	[15.1, 28.4]	79.0	[71.6, 84.9]	100.0
Pearson: Uncorrected chi2(2) =	6.2677				
Design-based F(1.99, 1181.34) =	2.2459	Pr =	0.107		
<b>Highest level of education</b>					
High school or less (n=291)	27.5	[21.7, 34.2]	72.5	[65.8, 78.3]	100.0
Some college/ Associate's (n=232)	21.1	[15.7, 27.8]	78.9	[72.2, 84.3]	100.0
Bachelor's degree or higher (n=83)	16.9	[9.1, 29.2]	83.1	[70.8, 90.9]	100.0
Pearson: Uncorrected chi2(2) =	5.4796				
Design-based F(1.99, 1179.38) =	1.8814	Pr =	0.153		
<b>Total (n=607)</b>	<b>23.7</b>	<b>[19.9, 28.0]</b>	<b>76.3</b>	<b>[72.0, 80.1]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Respondents were asked "How did you receive information about how much you will need to pay to be in the Healthy Michigan Plan?" and answered either that they did not get any information or that they don't know.

##### 3.1.2 Awareness of ways to reduce payments by presence of a chronic condition

	Awareness of ways to reduce payments				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Any chronic condition</b>					
Yes (n=421)	4.0	[2.4, 6.7]	96.0	[93.3, 97.6]	100.0
No (n=186)	2.6	[1.1, 6.2]	97.4	[93.8, 98.9]	100.0
Pearson: Uncorrected chi2(1) =	0.7816				
Design-based F(1.00, 595.00) =	0.7032	Pr =	0.402		
<b>Total (n=607)</b>	<b>3.6</b>	<b>[2.3, 5.6]</b>	<b>96.4</b>	<b>[94.4, 97.7]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Respondents were asked "Do you know about any ways to reduce the amount you might have to pay?" and were coded as Yes if they gave any answer.

### 3.1.3 Awareness that HRA completion reduces amount owed by presence of a chronic condition

	Awareness that HRA completion reduces amount owed						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Any chronic condition</b>							
Yes (n=419)	31.0	[25.9, 36.5]	12.0	[8.7, 16.5]	57.0	[51.1, 62.6]	100.0
No (n=186)	37.3	[29.2, 46.1]	7.9	[4.3, 14.1]	54.8	[46.0, 63.3]	100.0
Pearson: Uncorrected chi2(2) =	3.8426						
Design-based F(2.00, 1185.85) =	1.2387	Pr =	0.290				
<b>Total (n=605)</b>	33.1	[28.7, 37.8]	10.7	[8.0, 14.1]	56.2	[51.4, 61.0]	100.0

**Note:**  $\chi^2$  test of independence. Respondents were asked to say "Yes," "No," or "Don't know" to the following statement: "I may get a reduction in the amount I might have to pay if I complete a health risk assessment."

## 3.2 Knowledge and understanding of HMP covered benefits and costs

### 3.2.1 Knowledge of HMP covered benefits and costs by age, gender, race/ethnicity, FPL, region, and level of education

	Mean	SE	95%CI	Coef	95%CI	p-value
<b>Age<sup>a</sup></b>						
19-34	4.7	0.17	[4.3, 5.0]		Reference	
35-50	5.0	0.21	[4.6, 5.4]	0.34	[-0.21, 0.88]	0.224
51-64	5.3	0.21	[4.9, 5.7]	0.61	[0.07, 1.15]	0.026
<b>Gender</b>						
Male	4.7	0.15	[4.4, 5.0]		Reference	
Female	5.3	0.16	[5.0, 5.6]	0.59	[0.15, 1.03]	0.008
<b>Race/ethnicity</b>						
White, non-Hispanic	4.9	0.14	[4.6, 5.2]		Reference	
Black, non-Hispanic	5.2	0.27	[4.6, 5.7]	0.24	[-0.36, 0.83]	0.437
Hispanic	5.0	0.33	[4.3, 5.6]	0.05	[-0.66, 0.76]	0.884
Other, non-Hispanic	4.5	0.39	[3.8, 5.3]	-0.40	[-1.21, 0.42]	0.339
<b>FPL category</b>						
0-35%	5.1	0.15	[4.8, 5.4]		Reference	
36-99%	4.6	0.16	[4.2, 4.9]	-0.33	[-0.77, 0.11]	0.139
≥ 100%	5.0	0.16	[4.7, 5.3]	0.08	[-0.37, 0.53]	0.732
<b>Region</b>						
UP/NW/NE	4.4	0.37	[3.6, 5.1]		Reference	
W/E Central/E	5.0	0.21	[4.6, 5.4]	-0.04	[-0.63, 0.55]	0.889
S Central/SW/SE	4.8	0.22	[4.4, 5.2]	-0.04	[-0.64, 0.56]	0.892
Detroit Metro	5.2	0.19	[4.8, 5.5]	0.05	[-0.52, 0.62]	0.858
<b>Highest level of education</b>						
High school or less	4.5	0.17	[4.2, 4.9]		Reference	
Some college/ Associate's	5.3	0.18	[4.9, 5.6]	0.76	[0.27, 1.25]	0.002
Bachelor's degree or higher	5.6	0.25	[5.1, 6.1]	1.07	[0.47, 1.66]	0.000
<b>Total</b>	5.0	0.11	[4.7, 5.2]			

**Note:** Weighted means and unadjusted linear regression models for significance testing. Knowledge score is the count of correct answers to a series of questions about the HMP program (range 0-10):

- I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK
- I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK
- Some kinds of visits, tests and medicines have no copays. Y/N/DK
- Do you think the following are covered under Healthy Michigan Plan, not covered, or you don't know: Eyeglasses, prescription medications, routine dental care, treatment to stop smoking, birth control or family planning, counseling for mental or emotional problems, substance use treatment.

### 3.2.2 Predictors of knowledge of HMP covered benefits and costs

	Knowledge of HMP-covered benefits and costs			Predicted value
	Coef	95% CI	p-value	
<b>Survey year</b>				
Enrollees surveyed in 2016		Reference		<b>3.11</b>
New enrollees surveyed in 2017	-0.25	[-0.41,- 0.09]	0.003	<b>2.86</b>
<b>Gender</b>				
Male		Reference		
Female	0.30	[0.19, 0.42]	0.000	
<b>Age</b>				
19-34		Reference		
35-50	0.07	[-0.07, 0.20]	0.320	
51-64	0.15	[0.02, 0.28]	0.020	
<b>Race/ethnicity</b>				
White, non-Hispanic		Reference		
Black, non-Hispanic	-0.07	[-0.21, 0.07]	0.354	
Hispanic	-0.15	[-0.38, 0.08]	0.209	
Other, non-Hispanic	-0.21	[-0.40,- 0.02]	0.032	
<b>FPL category</b>				
0-35%		Reference		
36-99%	-0.03	[-0.15, 0.09]	0.656	
100%+	-0.17	[-0.31,- 0.04]	0.010	
<b>Constant</b>	2.98	[2.84, 3.12]	0.000	
N	4,642			
F-value	6.836			
Model degrees of freedom	9.000			
Residual degrees of freedom	4,630.000			
F-value significance	0.000			

**Note:** Adjusted linear regression with predicted margins. Knowledge score is the count of correct answers to a series of questions about the HMP program, which were common to both the 2016 and 2017 surveys (Range 0-6).

- I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK
- I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK
- Some kinds of visits, tests and medicines have no copays. Y/N/DK
- Do you think the following are covered under Healthy Michigan Plan, not covered, or you don't know: Eyeglasses, routine dental care, counseling for mental or emotional problems.

## 4 Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.

### 4.1 Regular source of care prior to HMP

#### 4.1.1 Predictors of regular source of care prior to HMP

	RSOC prior to HMP		
	aOR	95% CI	p-value
<b>Survey Year</b>			
Enrollees surveyed in 2016		Reference	
New enrollees surveyed in 2017	0.61	[0.47, 0.78]	0.000
<b>Gender</b>			
Male		Reference	
Female	1.72	[1.43, 2.08]	0.000
<b>Age</b>			
19-34		Reference	
35-50	0.90	[0.71, 1.15]	0.399
51-64	0.81	[0.65, 1.02]	0.079
<b>Race/ethnicity</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.37	[1.07, 1.75]	0.013
Hispanic	1.00	[0.64, 1.56]	0.993
Other, non-Hispanic	1.34	[0.94, 1.91]	0.103
<b>FPL category</b>			
0-35%		Reference	
36-99%	0.95	[0.76, 1.18]	0.630
100%+	1.19	[0.94, 1.49]	0.147
<b>Health status</b>			
Excellent		Reference	
Very good	1.63	[1.15, 2.32]	0.006
Good	1.21	[0.85, 1.72]	0.291
Fair	1.64	[1.11, 2.42]	0.012
Poor	1.18	[0.74, 1.88]	0.498
<b>Number of chronic conditions</b>			
None		Reference	
One	1.60	[1.23, 2.09]	0.000
Two or more	2.13	[1.62, 2.79]	0.000
<b>Insurance status in 12 months prior to HMP</b>			
Uninsured all 12 months		Reference	
Uninsured some of the 12 months	2.59	[1.86, 3.61]	0.000
Insured all 12 months	3.73	[2.91, 4.77]	0.000
<b>Constant</b>	0.66	[0.46, 0.94]	0.023
N	4,514		
F-value	13.604		
Model degrees of freedom	17.000		
Residual degrees of freedom	4,502.000		
F-value significance	0.000		

Note: Adjusted logistic regression.

#### 4.1.2 Predictors of regular source of care prior to HMP (predicted values)

	RSOC prior to HMP	
	Predicted values (%)	95% CI
<b>Survey year</b>		
Enrollees surveyed in 2016	73.7	[71.9, 75.5]
New enrollees surveyed in 2017	64.3	[59.6, 68.9]
<b>Gender</b>		
Male	68.7	[66.0, 71.4]
Female	78.3	[76.2, 80.5]
<b>Age</b>		
19-34	75.1	[72.3, 77.9]
35-50	73.3	[70.3, 76.4]
51-64	71.5	[68.6, 74.4]
<b>Race/ethnicity</b>		
White, non-Hispanic	71.6	[69.3, 73.8]
Black, non-Hispanic	77.0	[73.5, 80.4]
Hispanic	71.6	[63.8, 79.4]
Other, non-Hispanic	76.6	[71.2, 82.1]
<b>FPL category</b>		
0-35%	73.3	[70.6, 75.9]
36-99%	72.3	[69.4, 75.2]
100%+	76.2	[73.2, 79.1]
<b>Health status</b>		
Excellent	67.7	[61.7, 73.7]
Very good	76.6	[73.2, 79.9]
Good	71.3	[68.3, 74.4]
Fair	76.7	[73.1, 80.3]
Poor	70.8	[64.6, 77.0]
<b>Number of chronic conditions</b>		
None	65.3	[61.5, 69.1]
One	74.3	[71.1, 77.5]
Two or more	78.9	[76.3, 81.5]
<b>Insurance in 12 months prior to HMP</b>		
Uninsured all 12 months	65.3	[62.9, 67.7]
Uninsured some of the 12 months	82.4	[78.1, 86.8]
Insured all 12 months	87.0	[84.5, 89.4]
Observations	4,514	

**Note:** Predicted margins from adjusted logistic regression.

## 4.2 Forgone health and dental care prior to HMP

### 4.2.1 Forgone health care prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions

	Forgone health care prior to HMP						Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	Row%	Don't know 95%CI	
<b>Insurance status in 12 months prior to HMP</b>							
Uninsured all 12 months (n=280)	24.7	[19.4, 30.8]	74.1	[68.0, 79.4]	1.2	[0.5, 3.1]	100.0
Uninsured some of the 12 months (n=153)	23.4	[15.9, 33.1]	75.0	[65.1, 82.8]	1.6	[0.2, 10.1]	100.0
Insured all 12 months (n=169)	10.4	[6.2, 16.9]	89.6	[83.1, 93.8]	0.0		100.0
Pearson: Uncorrected chi2(4) =	17.3774						
Design-based F(3.59, 2115.73) =	3.0033	Pr =	0.022				
<b>Any chronic condition</b>							
Yes (n=421)	23.4	[19.0, 28.5]	75.4	[70.3, 79.9]	1.1	[0.4, 3.4]	100.0
No (n=186)	14.3	[9.2, 21.6]	85.1	[77.7, 90.3]	0.6	[0.1, 3.6]	100.0
Pearson: Uncorrected chi2(2) =	7.4347						
Design-based F(1.96, 1166.03) =	2.7913	Pr =	0.063				
<b>Hypertension</b>							
Yes (n=181)	26.5	[19.6, 34.7]	72.9	[64.6, 79.8]	0.6	[0.1, 3.8]	100.0
No (n=425)	18.0	[14.1, 22.7]	80.9	[76.2, 84.9]	1.1	[0.4, 3.3]	100.0
Pearson: Uncorrected chi2(2) =	5.6246						
Design-based F(1.97, 1173.01) =	2.3676	Pr =	0.095				
<b>Heart condition or heart disease</b>							
Yes (n=47)	17.5	[7.9, 34.3]	82.5	[65.7, 92.1]	0.0		100.0
No (n=556)	20.8	[17.1, 25.0]	78.2	[73.9, 81.9]	1.0	[0.4, 2.7]	100.0
Pearson: Uncorrected chi2(2) =	0.6421						
Design-based F(1.98, 1170.73) =	0.2591	Pr =	0.770				
<b>Diabetes</b>							
Yes (n=49)	43.4	[28.1, 60.0]	56.6	[40.0, 71.9]	0.0		100.0
No (n=556)	18.7	[15.2, 22.8]	80.3	[76.1, 83.9]	1.0	[0.4, 2.7]	100.0
Pearson: Uncorrected chi2(2) =	14.9511						
Design-based F(2.00, 1183.21) =	5.7778	Pr =	0.003				
<b>Cancer</b>							
Yes (n=29)	43.7	[24.6, 64.9]	56.3	[35.1, 75.4]	0.0		100.0
No (n=575)	19.4	[15.8, 23.5]	79.6	[75.4, 83.2]	1.0	[0.4, 2.6]	100.0
Pearson: Uncorrected chi2(2) =	9.3594						
Design-based F(1.99, 1176.60) =	3.5619	Pr =	0.029				
<b>Mood disorder</b>							
Yes (n=184)	26.1	[19.6, 33.8]	72.3	[64.3, 79.1]	1.6	[0.4, 7.3]	100.0
No (n=418)	17.7	[13.7, 22.5]	81.7	[76.8, 85.7]	0.7	[0.2, 2.0]	100.0
Pearson: Uncorrected chi2(2) =	7.1329						
Design-based F(2.00, 1179.68) =	2.6647	Pr =	0.070				
<b>Stroke</b>							
Yes (n=16)	19.1	[5.1, 50.9]	80.9	[49.1, 94.9]	0.0		100.0
No (n=591)	20.4	[16.9, 24.5]	78.6	[74.4, 82.2]	1.0	[0.4, 2.5]	100.0
Pearson: Uncorrected chi2(2) =	0.1496						
Design-based F(1.99, 1185.48) =	0.0606	Pr =	0.941				
<b>Asthma</b>							
Yes (n=80)	31.4	[20.3, 45.1]	68.0	[54.3, 79.1]	0.6	[0.1, 3.2]	100.0
No (n=527)	18.8	[15.2, 23.0]	80.2	[75.9, 83.9]	1.0	[0.4, 2.8]	100.0
Pearson: Uncorrected chi2(2) =	6.5565						
Design-based F(1.54, 918.33) =	3.4887	Pr =	0.043				
<b>Chronic lung disease, COPD, or emphysema</b>							
Yes (n=54)	22.1	[13.0, 35.0]	77.9	[65.0, 87.0]	0.0		100.0
No (n=550)	20.2	[16.5, 24.5]	78.7	[74.4, 82.5]	1.0	[0.4, 2.7]	100.0
Pearson: Uncorrected chi2(2) =	0.5204						
Design-based F(1.88, 1114.01) =	0.2398	Pr =	0.773				

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<b>Substance use disorder</b>							
Yes (n=24)	22.9	[10.2, 43.6]	77.1	[56.4, 89.8]	0.0		100.0
No (n=582)	20.1	[16.5, 24.2]	78.9	[74.7, 82.6]	1.0	[0.4, 2.6]	100.0
Pearson: Uncorrected chi2(2) =	0.4231						
Design-based F(1.98, 1176.58) =	0.1590	Pr =	0.851				
<b>Arthritis or a related condition</b>							
Yes (n=134)	23.6	[16.3, 32.9]	76.4	[67.1, 83.7]	0.0		100.0
No (n=471)	19.0	[15.1, 23.5]	79.8	[75.2, 83.8]	1.2	[0.5, 3.2]	100.0
Pearson: Uncorrected chi2(2) =	2.8591						
Design-based F(2.00, 1184.93) =	1.0648	Pr =	0.345				
<b>Other: cholesterol</b>							
Yes (n=11)	10.7	[2.2, 39.1]	89.3	[60.9, 97.8]	0.0		100.0
No (n=145)	24.5	[17.1, 33.9]	74.6	[65.3, 82.2]	0.8	[0.1, 4.9]	100.0
Pearson: Uncorrected chi2(2) =	1.0070						
Design-based F(1.85, 266.29) =	0.5813	Pr =	0.547				
<b>Total (n=607)</b>	20.4	[16.9, 24.4]	78.6	[74.5, 82.2]	1.0	[0.4, 2.5]	100.0

**Note:**  $\chi^2$  test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

#### 4.2.2 Forgone dental care prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions

	Forgone dental care prior to HMP						Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	Row%	Don't know 95%CI	
<b>Insurance status in 12 months prior to HMP</b>							
Uninsured all 12 months (n=280)	39.1	[32.5, 46.1]	60.9	[53.9, 67.5]	0.0		100.0
Uninsured some of the 12 months (n=153)	34.2	[25.9, 43.6]	65.4	[56.0, 73.7]	0.4	[0.1, 2.2]	100.0
Insured all 12 months (n=169)	27.1	[19.8, 35.9]	72.6	[63.8, 80.0]	0.2	[0.0, 1.4]	100.0
Pearson: Uncorrected chi2(4) =	7.5693						
Design-based F(3.02, 1779.77) =	2.0991	Pr =	0.098				
<b>Any chronic condition</b>							
Yes (n=421)	38.9	[33.4, 44.7]	60.9	[55.1, 66.4]	0.2	[0.1, 0.8]	100.0
No (n=186)	26.3	[19.7, 34.1]	73.7	[65.9, 80.3]	0.0		100.0
Pearson: Uncorrected chi2(2) =	10.0313						
Design-based F(1.53, 907.38) =	5.5230	Pr =	0.009				
<b>Hypertension</b>							
Yes (n=181)	43.1	[34.7, 51.8]	56.9	[48.2, 65.3]	0.0		100.0
No (n=425)	31.4	[26.4, 36.9]	68.4	[62.9, 73.4]	0.2	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(2) =	7.6931						
Design-based F(1.54, 912.36) =	4.2982	Pr =	0.022				
<b>Heart condition or heart disease</b>							
Yes (n=47)	32.1	[18.3, 49.9]	66.8	[49.1, 80.8]	1.1	[0.2, 6.4]	100.0
No (n=556)	34.8	[30.2, 39.6]	65.1	[60.3, 69.7]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	2.3313						
Design-based F(1.59, 941.73) =	1.5031	Pr =	0.225				
<b>Diabetes</b>							
Yes (n=49)	53.4	[37.1, 69.0]	46.6	[31.0, 62.9]	0.0		100.0
No (n=556)	33.4	[28.8, 38.2]	66.5	[61.6, 71.0]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	6.9845						
Design-based F(1.61, 955.43) =	4.2792	Pr =	0.021				
<b>Cancer</b>							
Yes (n=29)	56.5	[34.6, 76.1]	43.5	[23.9, 65.4]	0.0		100.0
No (n=575)	33.9	[29.4, 38.6]	66.0	[61.2, 70.4]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	5.7240						
Design-based F(1.57, 929.42) =	3.1985	Pr =	0.053				
<b>Mood disorder</b>							
Yes (n=184)	40.3	[32.2, 48.9]	59.4	[50.8, 67.5]	0.3	[0.0, 1.7]	100.0
No (n=418)	31.8	[26.7, 37.3]	68.1	[62.6, 73.2]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	4.4968						
Design-based F(1.50, 887.09) =	2.5193	Pr =	0.096				
<b>Stroke</b>							
Yes (n=16)	25.2	[8.7, 54.4]	74.8	[45.6, 91.3]	0.0		100.0
No (n=591)	34.9	[30.5, 39.7]	64.9	[60.2, 69.4]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	0.5592						
Design-based F(1.73, 1028.71) =	0.3768	Pr =	0.655				
<b>Asthma</b>							
Yes (n=80)	38.4	[26.5, 51.8]	61.1	[47.7, 73.0]	0.5	[0.1, 3.1]	100.0
No (n=527)	34.2	[29.5, 39.2]	65.7	[60.7, 70.4]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	1.3314						
Design-based F(1.50, 894.54) =	0.7457	Pr =	0.439				
<b>Chronic lung disease, COPD, or emphysema</b>							
Yes (n=54)	40.8	[26.8, 56.4]	59.2	[43.6, 73.2]	0.0		100.0
No (n=550)	34.4	[29.8, 39.4]	65.4	[60.5, 70.0]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	0.7606						
Design-based F(1.66, 980.86) =	0.5022	Pr =	0.571				

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<b>Substance use disorder</b>							
Yes (n=24)	27.0	[12.9, 48.2]	73.0	[51.8, 87.1]	0.0		100.0
No (n=582)	34.9	[30.4, 39.7]	64.9	[60.1, 69.4]	0.2	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	0.8391						
Design-based F(1.60, 949.97) =	0.4858	Pr =	0.573				
<b>Arthritis or a related condition</b>							
Yes (n=134)	43.9	[34.3, 54.0]	55.3	[45.2, 65.0]	0.7	[0.2, 2.6]	100.0
No (n=471)	32.1	[27.3, 37.4]	67.9	[62.6, 72.7]	0.0		100.0
Pearson: Uncorrected chi2(2) =	9.9945						
Design-based F(1.54, 911.90) =	5.6040	Pr =	0.008				
<b>Other: cholesterol</b>							
Yes (n=11)	16.5	[3.9, 49.1]	83.5	[50.9, 96.1]	100.0		
No (n=145)	40.0	[31.0, 49.7]	60.0	[50.3, 69.0]	100.0		
Pearson: Uncorrected chi2(1) =	1.9874						
Design-based F(1.00, 144.00) =	2.3721	Pr =	0.126				
<b>Total (n=607)</b>	<b>34.7</b>	<b>[30.3, 39.4]</b>	<b>65.1</b>	<b>[60.5, 69.5]</b>	<b>0.2</b>	<b>[0.0, 0.6]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

#### 4.2.3 Forgone health or dental care prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions

	Forgone health or dental care prior to HMP				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=280)	44.8	[37.9, 51.8]	55.2	[48.2, 62.1]	100.0
Uninsured some of the 12 months (n=153)	47.4	[37.9, 57.1]	52.6	[42.9, 62.1]	100.0
Insured all 12 months (n=169)	30.1	[22.5, 39.0]	69.9	[61.0, 77.5]	100.0
Pearson: Uncorrected chi2(2) =	12.2904				
Design-based F(2.00, 1179.91) =	4.2827	Pr =	0.014		
<b>Any chronic condition</b>					
Yes (n=421)	46.7	[41.0, 52.5]	53.3	[47.5, 59.0]	100.0
No (n=186)	30.8	[23.6, 39.1]	69.2	[60.9, 76.4]	100.0
Pearson: Uncorrected chi2(1) =	14.0045				
Design-based F(1.00, 595.00) =	9.5688	Pr =	0.002		
<b>Hypertension</b>					
Yes (n=181)	50.6	[41.9, 59.2]	49.4	[40.8, 58.1]	100.0
No (n=425)	37.9	[32.5, 43.6]	62.1	[56.4, 67.5]	100.0
Pearson: Uncorrected chi2(1) =	8.2054				
Design-based F(1.00, 594.00) =	5.9459	Pr =	0.015		
<b>Heart condition or heart disease</b>					
Yes (n=47)	33.5	[19.5, 51.2]	66.5	[48.8, 80.5]	100.0
No (n=556)	41.9	[37.0, 46.9]	58.1	[53.1, 63.0]	100.0
Pearson: Uncorrected chi2(1) =	0.9909				
Design-based F(1.00, 591.00) =	0.8611	Pr =	0.354		
<b>Diabetes</b>					
Yes (n=49)	66.5	[49.8, 79.9]	33.5	[20.1, 50.2]	100.0
No (n=556)	39.6	[34.8, 44.7]	60.4	[55.3, 65.2]	100.0
Pearson: Uncorrected chi2(1) =	11.6601				
Design-based F(1.00, 593.00) =	9.8529	Pr =	0.002		
<b>Cancer</b>					
Yes (n=29)	77.2	[53.4, 90.9]	22.8	[9.1, 46.6]	100.0
No (n=575)	40.0	[35.3, 44.9]	60.0	[55.1, 64.7]	100.0
Pearson: Uncorrected chi2(1) =	14.4427				
Design-based F(1.00, 592.00) =	10.1511	Pr =	0.002		
<b>Mood disorder</b>					
Yes (n=184)	48.0	[39.4, 56.7]	52.0	[43.3, 60.6]	100.0
No (n=418)	38.2	[32.7, 44.0]	61.8	[56.0, 67.3]	100.0
Pearson: Uncorrected chi2(1) =	5.1402				
Design-based F(1.00, 590.00) =	3.4994	Pr =	0.062		
<b>Stroke</b>					
Yes (n=16)	25.2	[8.7, 54.4]	74.8	[45.6, 91.3]	100.0
No (n=591)	41.8	[37.1, 46.7]	58.2	[53.3, 62.9]	100.0
Pearson: Uncorrected chi2(1) =	1.4544				
Design-based F(1.00, 595.00) =	1.4083	Pr =	0.236		
<b>Asthma</b>					
Yes (n=80)	46.5	[33.7, 59.9]	53.5	[40.1, 66.3]	100.0
No (n=527)	40.7	[35.7, 45.9]	59.3	[54.1, 64.3]	100.0
Pearson: Uncorrected chi2(1) =	0.9405				
Design-based F(1.00, 595.00) =	0.6508	Pr =	0.420		
<b>Chronic lung disease, COPD, or emphysema</b>					
Yes (n=54)	49.8	[34.5, 65.2]	50.2	[34.8, 65.5]	100.0
No (n=550)	40.9	[36.0, 46.0]	59.1	[54.0, 64.0]	100.0
Pearson: Uncorrected chi2(1) =	1.3112				
Design-based F(1.00, 592.00) =	1.1434	Pr =	0.285		

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<b>Substance use disorder</b>					
Yes (n=24)	38.2	[20.2, 60.1]	61.8	[39.9, 79.8]	100.0
No (n=582)	41.5	[36.7, 46.4]	58.5	[53.6, 63.3]	100.0
Pearson: Uncorrected chi2(1) =	0.1256				
Design-based F(1.00, 594.00) =	0.0865	Pr =	0.769		
<b>Arthritis or a related condition</b>					
Yes (n=134)	52.1	[42.1, 62.0]	47.9	[38.0, 57.9]	100.0
No (n=471)	38.1	[33.0, 43.5]	61.9	[56.5, 67.0]	100.0
Pearson: Uncorrected chi2(1) =	8.2519				
Design-based F(1.00, 593.00) =	5.9439	Pr =	0.015		
<b>Other: cholesterol</b>					
Yes (n=11)	27.3	[8.2, 61.1]	72.7	[38.9, 91.8]	100.0
No (n=145)	48.3	[38.5, 58.2]	51.7	[41.8, 61.5]	100.0
Pearson: Uncorrected chi2(1) =	1.5158				
Design-based F(1.00, 144.00) =	1.5383	Pr =	0.217		
<b>Total (n=607)</b>	<b>41.4</b>	<b>[36.8, 46.3]</b>	<b>58.6</b>	<b>[53.7, 63.2]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

#### 4.2.4 Forgone health care due to financial reasons prior to HMP by insurance status in the 12 months prior to HMP enrollment and chronic conditions

	Forgone health care due to financial reasons prior to HMP				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=140)	96.7	[91.3, 98.8]	3.3	[1.2, 8.7]	100.0
Uninsured some of the 12 months (n=64)	87.3	[71.6, 95.0]	12.7	[5.0, 28.4]	100.0
Insured all 12 months (n=56)	95.2	[80.5, 99.0]	4.8	[1.0, 19.5]	100.0
Pearson: Uncorrected chi2(2) =	7.2646				
Design-based F(1.96, 486.89) =	2.3633	Pr =	0.096		
<b>Any chronic condition</b>					
Yes (n=195)	92.6	[85.9, 96.3]	7.4	[3.7, 14.1]	100.0
No (n=67)	97.3	[84.0, 99.6]	2.7	[0.4, 16.0]	100.0
Pearson: Uncorrected chi2(1) =	1.8674				
Design-based F(1.00, 250.00) =	1.1142	Pr =	0.292		
<b>Hypertension</b>					
Yes (n=88)	91.7	[80.9, 96.6]	8.3	[3.4, 19.1]	100.0
No (n=174)	94.9	[87.9, 97.9]	5.1	[2.1, 12.1]	100.0
Pearson: Uncorrected chi2(1) =	1.0141				
Design-based F(1.00, 250.00) =	0.5885	Pr =	0.444		
<b>Heart condition or heart disease</b>					
Yes (n=18)	100.0		0.0		100.0
No (n=243)	93.4	[87.8, 96.5]	6.6	[3.5, 12.2]	100.0
Pearson: Uncorrected chi2(1) =	0.9348				
Design-based F(1.00, 249.00) =	0.6741	Pr =	0.412		
<b>Diabetes</b>					
Yes (n=29)	86.2	[62.0, 96.0]	13.8	[4.0, 38.0]	100.0
No (n=232)	94.8	[89.3, 97.5]	5.2	[2.5, 10.7]	100.0
Pearson: Uncorrected chi2(1) =	3.3213				
Design-based F(1.00, 249.00) =	2.0136	Pr =	0.157		
<b>Cancer</b>					
Yes (n=22)	100.0		0.0		100.0
No (n=239)	93.2	[87.5, 96.4]	6.8	[3.6, 12.5]	100.0
Pearson: Uncorrected chi2(1) =	1.6023				
Design-based F(1.00, 249.00) =	1.0525	Pr =	0.306		
<b>Mood disorder</b>					
Yes (n=92)	91.5	[81.0, 96.5]	8.5	[3.5, 19.0]	100.0
No (n=168)	94.9	[88.1, 97.9]	5.1	[2.1, 11.9]	100.0
Pearson: Uncorrected chi2(1) =	1.1454				
Design-based F(1.00, 248.00) =	0.7131	Pr =	0.399		
<b>Stroke</b>					
Yes (n=5)	100.0		0.0		100.0
No (n=257)	93.7	[88.4, 96.7]	6.3	[3.3, 11.6]	100.0
Pearson: Uncorrected chi2(1) =	0.2421				
Design-based F(1.00, 250.00) =	0.2069	Pr =	0.650		
<b>Asthma</b>					
Yes (n=38)	91.0	[62.2, 98.4]	9.0	[1.6, 37.8]	100.0
No (n=224)	94.2	[89.0, 97.1]	5.8	[2.9, 11.0]	100.0
Pearson: Uncorrected chi2(1) =	0.5601				
Design-based F(1.00, 250.00) =	0.2360	Pr =	0.628		
<b>Chronic lung disease, COPD, or emphysema</b>					
Yes (n=29)	97.3	[84.8, 99.6]	2.7	[0.4, 15.2]	100.0
No (n=232)	93.4	[87.7, 96.6]	6.6	[3.4, 12.3]	100.0
Pearson: Uncorrected chi2(1) =	0.5264				
Design-based F(1.00, 249.00) =	0.9112	Pr =	0.341		

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<b>Substance use disorder</b>					
Yes (n=12)	82.2	[37.4, 97.3]	17.8	[2.7, 62.6]	100.0
No (n=249)	94.3	[89.1, 97.1]	5.7	[2.9, 10.9]	100.0
Pearson: Uncorrected chi2(1) =	2.9621				
Design-based F(1.00, 249.00) =	1.5577	Pr =	0.213		
<b>Arthritis or a related condition</b>					
Yes (n=66)	92.5	[78.0, 97.7]	7.5	[2.3, 22.0]	100.0
No (n=194)	94.2	[88.0, 97.3]	5.8	[2.7, 12.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2339				
Design-based F(1.00, 248.00) =	0.1226	Pr =	0.727		
<b>Other: cholesterol</b>					
Yes (n=4)	89.1	[51.5, 98.4]	10.9	[1.6, 48.5]	100.0
No (n=72)	90.9	[74.3, 97.2]	9.1	[2.8, 25.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0095				
Design-based F(1.00, 64.00) =	0.0269	Pr =	0.870		
<b>Total (n=262)</b>	<b>93.8</b>	<b>[88.6, 96.7]</b>	<b>6.2</b>	<b>[3.3, 11.4]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

#### 4.2.5 Predictors of forgone health and dental care prior to HMP

	Forgone health care			Forgone dental care			Forgone health or dental care			Forgone health care due to financial reasons		
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Any chronic condition</b>												
No		Reference			Reference			Reference			Reference	
Yes	1.83	[0.99, 3.38]	0.053	1.96	[1.26, 3.07]	0.003	2.20	[1.41, 3.44]	0.001	0.41	[0.03, 5.50]	0.498
<b>Insurance status in 12 months prior to HMP</b>												
Uninsured all 12 months		Reference			Reference			Reference			Reference	
Uninsured some of the 12 months	0.87	[0.45, 1.67]	0.674	0.80	[0.47, 1.36]	0.413	1.13	[0.67, 1.91]	0.650	0.29	[0.06, 1.28]	0.101
Insured all 12 months	0.31	[0.16, 0.59]	0.000	0.55	[0.33, 0.92]	0.023	0.50	[0.31, 0.82]	0.007	0.79	[0.12, 5.10]	0.802
<b>FPL category</b>												
0-35%		Reference			Reference			Reference			Reference	
36-99%	1.10	[0.65, 1.86]	0.712	1.49	[0.98, 2.27]	0.065	1.36	[0.89, 2.08]	0.158	2.78	[0.60, 12.86]	0.190
100%+	1.46	[0.88, 2.42]	0.142	1.22	[0.80, 1.86]	0.361	1.24	[0.82, 1.88]	0.308		Reference	
<b>Race/ethnicity</b>												
White, non-Hispanic		Reference			Reference			Reference			Reference	
Black, non-Hispanic	1.21	[0.65, 2.26]	0.553	1.71	[0.98, 2.97]	0.059	1.78	[1.03, 3.08]	0.039	0.94	[0.11, 8.35]	0.956
Hispanic	1.07	[0.29, 3.95]	0.921	1.28	[0.51, 3.19]	0.594	1.47	[0.58, 3.76]	0.419		Reference	
Other, non-Hispanic	1.06	[0.47, 2.38]	0.894	1.51	[0.74, 3.10]	0.261	1.53	[0.72, 3.27]	0.270	0.95	[0.11, 8.56]	0.964
<b>Gender</b>												
Male		Reference			Reference			Reference			Reference	
Female	1.82	[1.08, 3.06]	0.025	1.41	[0.91, 2.18]	0.120	1.30	[0.85, 1.99]	0.226	1.80	[0.42, 7.67]	0.422
<b>Region</b>												
UP/NW/NE		Reference			Reference			Reference			Reference	
W/E Central/E	0.69	[0.32, 1.49]	0.344	0.56	[0.29, 1.09]	0.089	0.62	[0.31, 1.21]	0.159	1.64	[0.13, 20.84]	0.700
S Central/SW/SE	0.73	[0.32, 1.68]	0.461	0.52	[0.26, 1.06]	0.073	0.58	[0.29, 1.17]	0.127	0.50	[0.04, 6.32]	0.591
Detroit Metro	0.63	[0.29, 1.39]	0.257	0.55	[0.28, 1.09]	0.088	0.55	[0.28, 1.09]	0.085	0.88	[0.07, 11.09]	0.921
<b>Constant</b>	0.22	[0.09, 0.56]	0.002	0.46	[0.22, 0.95]	0.035	0.53	[0.26, 1.08]	0.080	36.37	[1.33, 990.91]	0.033
N	592			595			597			172		
F-value	2.293			2.318			2.614			1.237		
Model degrees of freedom	12.000			12.000			12.000			10.000		
Residual degrees of freedom	580.000			583.000			585.000			164.000		
F-value significance	0.007			0.007			0.002			0.272		

Note: Adjusted logistic regression.

#### 4.2.6 Predictors of forgone health and dental care prior to HMP (predicted values)

	Forgone health care		Forgone dental care		Forgone health or dental care		Forgone health care due to financial reasons	
	Predicted values(%)	95% CI	Predicted values(%)	95% CI	Predicted values(%)	95% CI	Predicted values(%)	95% CI
<b>Any chronic condition</b>								
No	14.4	[8.0, 20.7]	25.0	[18.2, 31.8]	29.4	[21.9, 36.8]	96.0	[87.3, 1.05]
Yes	23.1	[18.3, 27.8]	39.0	[33.2, 44.7]	46.9	[41.0, 52.7]	91.2	[85.3, 97.2]
<b>Insurance status in 12 months prior to HMP</b>								
Uninsured all 12 months	25.3	[19.5, 31.2]	38.9	[32.1, 45.8]	44.5	[37.6, 51.4]	95.5	[90.9, 1.00]
Uninsured some of the 12 months	22.9	[13.5, 32.2]	34.1	[24.8, 43.4]	47.4	[37.1, 57.6]	86.3	[74.9, 97.6]
Insured all 12 months	9.8	[5.0, 14.7]	26.4	[18.5, 34.2]	29.4	[21.4, 37.3]	94.4	[86.1, 1.03]
<b>FPL category</b>								
0-35%	19.1	[13.9, 24.2]	32.2	[26.1, 38.2]	39.1	[32.8, 45.4]	91.3	[85.3, 97.2]
36-99%	20.5	[14.8, 26.3]	40.9	[33.6, 48.2]	46.1	[38.6, 53.6]	96.5	[92.4, 1.01]
100%+	25.2	[18.7, 31.7]	36.4	[29.3, 43.4]	44.0	[36.7, 51.3]		
<b>Race/ethnicity</b>								
White, non-Hispanic	19.3	[14.8, 23.9]	30.4	[25.0, 35.9]	36.5	[30.8, 42.2]	92.4	[86.1, 98.8]
Black, non-Hispanic	22.3	[13.7, 30.9]	42.1	[31.3, 52.9]	49.7	[38.9, 60.5]	92.0	[79.6, 1.04]
Hispanic	20.3	[0.8, 39.8]	35.6	[16.5, 54.8]	45.2	[24.3, 66.2]		
Other, non-Hispanic	20.2	[8.6, 31.7]	39.3	[24.0, 54.6]	46.2	[29.5, 62.8]	92.1	[77.4, 1.07]
<b>Gender</b>								
Male	16.7	[12.1, 21.3]	31.4	[25.5, 37.3]	38.7	[32.5, 44.9]	90.7	[83.9, 97.4]
Female	26.2	[19.4, 32.9]	38.9	[31.6, 46.1]	44.6	[37.3, 52.0]	94.4	[88.3, 1.01]
<b>Region</b>								
UP/NW/NE	25.9	[13.9, 37.9]	46.5	[33.0, 60.0]	52.4	[39.0, 65.8]	93.4	[80.5, 1.06]
W/E Central/E	19.8	[12.7, 26.9]	33.4	[25.0, 41.7]	41.2	[32.1, 50.4]	95.8	[89.3, 1.02]
S Central/SW/SE	20.7	[12.8, 28.6]	32.0	[23.0, 41.0]	39.8	[30.3, 49.3]	88.0	[73.9, 1.02]
Detroit Metro	18.6	[12.6, 24.6]	33.1	[25.6, 40.7]	38.6	[30.9, 46.4]	92.6	[84.7, 1.00]
Observations	592		595		597		172	

Note: Predicted margins from adjusted logistic regression.

### 4.3 Financial consequences of health care

#### 4.3.1 Out-of-pocket costs prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions

	Out of pocket costs prior to HMP								Total Row%
	Less than \$50		\$51-500		More than \$500		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>FPL category</b>									
0-35% (n=239)	28.2	[22.6, 34.4]	20.2	[15.3, 26.1]	17.8	[13.4, 23.4]	33.8	[27.9, 40.3]	100.0
36-99% (n=192)	23.4	[17.9, 30.0]	17.1	[12.5, 23.0]	19.1	[14.2, 25.1]	40.4	[33.8, 47.5]	100.0
100%+ (n=176)	21.7	[16.1, 28.6]	21.2	[15.9, 27.7]	20.9	[15.2, 28.0]	36.2	[29.5, 43.4]	100.0
Pearson: Uncorrected chi2(6) =	3.3852								
Design-based F(5.45, 3242.25) =	0.8060	Pr =	0.555						
<b>Insurance status in 12 months prior to HMP</b>									
Uninsured all 12 months (n=280)	36.3	[29.8, 43.3]	20.1	[15.0, 26.5]	14.0	[9.8, 19.7]	29.6	[23.5, 36.4]	100.0
Uninsured some of the 12 months (n=153)	18.7	[12.2, 27.6]	17.8	[11.6, 26.4]	19.4	[13.1, 27.8]	44.1	[34.8, 53.9]	100.0
Insured all 12 months (n=169)	17.0	[10.8, 25.9]	21.0	[14.1, 30.2]	25.1	[18.0, 33.8]	36.9	[28.6, 46.0]	100.0
Pearson: Uncorrected chi2(6) =	32.9106								
Design-based F(5.95, 3512.56) =	3.6648	Pr =	0.001						
<b>Any chronic condition</b>									
Yes (n=421)	21.9	[17.4, 27.1]	17.5	[13.5, 22.4]	21.8	[17.4, 27.0]	38.8	[33.3, 44.6]	100.0
No (n=186)	35.9	[27.9, 44.7]	24.4	[17.4, 33.0]	11.6	[7.4, 17.9]	28.1	[21.0, 36.5]	100.0
Pearson: Uncorrected chi2(3) =	25.1453								
Design-based F(2.99, 1777.95) =	5.5370	Pr =	0.001						
<b>Hypertension</b>									
Yes (n=181)	22.2	[15.8, 30.2]	13.8	[8.9, 20.8]	19.9	[13.9, 27.7]	44.1	[35.5, 53.0]	100.0
No (n=425)	28.3	[23.3, 34.0]	22.2	[17.6, 27.6]	17.9	[13.9, 22.7]	31.6	[26.5, 37.2]	100.0
Pearson: Uncorrected chi2(3) =	11.9064								
Design-based F(3.00, 1780.92) =	2.8472	Pr =	0.036						
<b>Heart condition or heart disease</b>									
Yes (n=47)	28.8	[15.3, 47.4]	2.5	[0.9, 7.3]	22.6	[10.7, 41.6]	46.0	[29.4, 63.6]	100.0
No (n=556)	26.1	[21.9, 30.9]	21.1	[17.2, 25.6]	18.4	[14.8, 22.5]	34.4	[29.8, 39.3]	100.0
Pearson: Uncorrected chi2(3) =	7.6201								
Design-based F(2.42, 1430.43) =	2.6603	Pr =	0.059						
<b>Diabetes</b>									
Yes (n=49)	26.1	[14.3, 42.6]	13.1	[5.5, 28.0]	19.6	[9.5, 36.0]	41.3	[26.4, 58.0]	100.0
No (n=556)	26.4	[22.1, 31.2]	20.3	[16.5, 24.9]	18.4	[14.8, 22.6]	34.9	[30.2, 39.8]	100.0
Pearson: Uncorrected chi2(3) =	1.5394								
Design-based F(3.00, 1776.84) =	0.4280	Pr =	0.733						
<b>Cancer</b>									
Yes (n=29)	32.1	[15.3, 55.4]	12.8	[4.7, 30.0]	19.7	[6.9, 44.6]	35.5	[17.9, 58.0]	100.0
No (n=575)	25.7	[21.5, 30.4]	20.2	[16.4, 24.7]	18.5	[15.0, 22.6]	35.5	[30.9, 40.4]	100.0
Pearson: Uncorrected chi2(3) =	1.1306								
Design-based F(2.87, 1698.83) =	0.2941	Pr =	0.821						

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<b>Mood disorder</b>										
Yes (n=184)	24.0	[17.1, 32.5]	17.3	[11.7, 24.8]	21.9	[15.4, 30.2]	36.8	[28.9, 45.5]	100.0	
No (n=418)	27.8	[22.8, 33.4]	21.3	[16.7, 26.7]	17.2	[13.3, 21.9]	33.8	[28.4, 39.5]	100.0	
Pearson: Uncorrected chi2(3) =	3.5655									
Design-based F(3.00, 1768.23) =	0.7931	Pr =	0.498							
<b>Stroke</b>										
Yes (n=16)	36.6	[14.0, 67.2]	9.0	[2.1, 31.4]	6.6	[1.7, 22.4]	47.8	[21.9, 75.0]	100.0	
No (n=591)	26.3	[22.1, 30.9]	20.0	[16.3, 24.4]	18.7	[15.2, 22.8]	35.0	[30.5, 39.8]	100.0	
Pearson: Uncorrected chi2(3) =	2.9314									
Design-based F(2.45, 1456.39) =	1.1995	Pr =	0.306							
<b>Asthma</b>										
Yes (n=80)	14.0	[7.4, 24.7]	19.1	[10.1, 33.2]	26.3	[15.8, 40.4]	40.6	[28.5, 54.0]	100.0	
No (n=527)	28.3	[23.8, 33.4]	19.9	[16.0, 24.4]	17.3	[13.8, 21.5]	34.5	[29.7, 39.6]	100.0	
Pearson: Uncorrected chi2(3) =	8.8807									
Design-based F(2.94, 1749.00) =	2.0238	Pr =	0.110							
<b>Chronic lung disease, COPD, or emphysema</b>										
Yes (n=54)	19.9	[9.7, 36.5]	16.2	[8.0, 29.9]	24.7	[12.9, 42.1]	39.2	[25.4, 54.9]	100.0	
No (n=550)	26.8	[22.4, 31.6]	20.2	[16.3, 24.7]	18.1	[14.5, 22.2]	35.0	[30.3, 40.0]	100.0	
Pearson: Uncorrected chi2(3) =	2.1753									
Design-based F(2.95, 1744.15) =	0.6236	Pr =	0.597							
<b>Substance use disorder</b>										
Yes (n=24)	45.2	[24.4, 67.9]	6.9	[2.3, 19.1]	21.0	[7.7, 45.7]	26.9	[12.6, 48.5]	100.0	
No (n=582)	25.4	[21.3, 30.0]	20.5	[16.7, 24.9]	18.4	[14.9, 22.4]	35.8	[31.2, 40.7]	100.0	
Pearson: Uncorrected chi2(3) =	7.5852									
Design-based F(2.65, 1575.11) =	1.9783	Pr =	0.123							
<b>Arthritis or a related condition</b>										
Yes (n=134)	20.4	[13.2, 30.2]	22.8	[15.1, 32.7]	16.2	[10.2, 24.6]	40.7	[31.4, 50.7]	100.0	
No (n=471)	28.1	[23.3, 33.4]	19.1	[15.0, 24.0]	19.2	[15.2, 23.9]	33.6	[28.6, 39.1]	100.0	
Pearson: Uncorrected chi2(3) =	4.9298									
Design-based F(2.98, 1767.85) =	1.1535	Pr =	0.326							
<b>Other: cholesterol</b>										
Yes (n=11)	25.1	[7.0, 59.8]	48.9	[15.5, 83.3]	8.5	[1.3, 39.5]	17.5	[5.2, 44.7]	100.0	
No (n=145)	21.9	[14.7, 31.4]	18.5	[12.0, 27.4]	20.1	[13.4, 29.0]	39.5	[30.0, 49.8]	100.0	
Pearson: Uncorrected chi2(3) =	5.6243									
Design-based F(2.36, 339.97) =	2.0891	Pr =	0.116							
<b>Total (n=607)</b>	<b>26.5</b>	<b>[22.4, 31.1]</b>	<b>19.8</b>	<b>[16.1, 24.0]</b>	<b>18.4</b>	<b>[15.0, 22.4]</b>	<b>35.3</b>	<b>[30.8, 40.0]</b>	<b>100.0</b>	

**Note:**  $\chi^2$  test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

### 4.3.2 Problems paying medical bills prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions

	Problems paying medical bills prior to HMP						Total Row%
	Row%	Yes 95%CI	No 95%CI	Don't know 95%CI			
<b>FPL category</b>							
0-35% (n=239)	42.6	[36.3, 49.2]	56.7	[50.1, 63.1]	0.7	[0.1, 4.3]	100.0
36-99% (n=192)	51.4	[44.5, 58.4]	48.6	[41.6, 55.5]	0.0		100.0
100%+ (n=176)	47.8	[40.6, 55.2]	52.2	[44.8, 59.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	3.9722						
Design-based F(2.10, 1252.18) =	0.9785	Pr =	0.380				
<b>Insurance status in 12 months prior to HMP</b>							
Uninsured all 12 months (n=280)	44.4	[37.6, 51.4]	54.7	[47.6, 61.5]	1.0	[0.1, 6.3]	100.0
Uninsured some of the 12 months (n=153)	54.2	[44.5, 63.6]	45.8	[36.4, 55.5]	0.0		100.0
Insured all 12 months (n=169)	37.9	[29.4, 47.2]	62.1	[52.8, 70.6]	0.0		100.0
Pearson: Uncorrected chi2(4) =	11.5899						
Design-based F(3.69, 2177.83) =	1.6617	Pr =	0.161				
<b>Any chronic condition</b>							
Yes (n=421)	51.0	[45.1, 56.8]	49.0	[43.2, 54.9]	0.0		100.0
No (n=186)	32.3	[24.8, 41.0]	66.2	[57.5, 74.0]	1.4	[0.2, 8.8]	100.0
Pearson: Uncorrected chi2(2) =	23.4961						
Design-based F(1.88, 1116.37) =	5.6410	Pr =	0.004				
<b>Hypertension</b>							
Yes (n=181)	54.6	[45.8, 63.1]	45.4	[36.9, 54.2]	0.0		100.0
No (n=425)	41.0	[35.4, 46.7]	58.4	[52.6, 64.0]	0.7	[0.1, 4.2]	100.0
Pearson: Uncorrected chi2(2) =	10.0985						
Design-based F(1.84, 1094.70) =	2.5090	Pr =	0.086				
<b>Heart condition or heart disease</b>							
Yes (n=47)	52.5	[34.9, 69.5]	47.5	[30.5, 65.1]	0.0		100.0
No (n=556)	43.9	[39.0, 49.0]	55.6	[50.5, 60.5]	0.5	[0.1, 3.3]	100.0
Pearson: Uncorrected chi2(2) =	1.1580						
Design-based F(1.79, 1058.90) =	0.3058	Pr =	0.712				
<b>Diabetes</b>							
Yes (n=49)	59.4	[42.4, 74.4]	40.6	[25.6, 57.6]	0.0		100.0
No (n=556)	43.9	[38.9, 48.9]	55.6	[50.6, 60.6]	0.5	[0.1, 3.3]	100.0
Pearson: Uncorrected chi2(2) =	3.9307						
Design-based F(1.79, 1062.92) =	1.0328	Pr =	0.350				
<b>Cancer</b>							
Yes (n=29)	51.0	[30.0, 71.7]	49.0	[28.3, 70.0]	0.0		100.0
No (n=575)	44.4	[39.5, 49.4]	55.1	[50.1, 60.0]	0.5	[0.1, 3.2]	100.0
Pearson: Uncorrected chi2(2) =	0.5577						
Design-based F(1.83, 1086.05) =	0.1445	Pr =	0.848				
<b>Mood disorder</b>							
Yes (n=184)	54.2	[45.4, 62.8]	45.8	[37.2, 54.6]	0.0		100.0
No (n=418)	40.6	[35.0, 46.4]	58.7	[52.9, 64.3]	0.7	[0.1, 4.4]	100.0
Pearson: Uncorrected chi2(2) =	10.5644						
Design-based F(1.86, 1096.31) =	2.5688	Pr =	0.081				
<b>Stroke</b>							
Yes (n=16)	56.0	[27.6, 80.9]	44.0	[19.1, 72.4]	0.0		100.0
No (n=591)	44.5	[39.7, 49.5]	55.0	[50.0, 59.8]	0.5	[0.1, 3.1]	100.0
Pearson: Uncorrected chi2(2) =	0.7255						
Design-based F(1.81, 1078.79) =	0.2011	Pr =	0.796				
<b>Asthma</b>							
Yes (n=80)	58.8	[44.9, 71.4]	41.2	[28.6, 55.1]	0.0		100.0
No (n=527)	42.8	[37.7, 48.0]	56.7	[51.5, 61.7]	0.5	[0.1, 3.5]	100.0
Pearson: Uncorrected chi2(2) =	7.1481						
Design-based F(1.87, 1110.59) =	1.7429	Pr =	0.178				

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<b>Chronic lung disease, COPD, or emphysema</b>							
Yes (n=54)	54.2	[38.0, 69.5]	45.8	[30.5, 62.0]	0.0		100.0
No (n=550)	44.0	[39.1, 49.2]	55.4	[50.3, 60.5]	0.5	[0.1, 3.3]	100.0
Pearson: Uncorrected chi2(2) =	1.7934						
Design-based F(1.77, 1048.81) =	0.4788	Pr =	0.597				
<b>Substance use disorder</b>							
Yes (n=24)	54.0	[31.7, 74.8]	46.0	[25.2, 68.3]	0.0		100.0
No (n=582)	44.4	[39.6, 49.4]	55.1	[50.1, 60.0]	0.5	[0.1, 3.2]	100.0
Pearson: Uncorrected chi2(2) =	1.1433						
Design-based F(1.91, 1133.47) =	0.2728	Pr =	0.751				
<b>Arthritis or a related condition</b>							
Yes (n=134)	55.0	[44.8, 64.9]	45.0	[35.1, 55.2]	0.0		100.0
No (n=471)	42.3	[37.0, 47.8]	57.1	[51.6, 62.5]	0.6	[0.1, 3.9]	100.0
Pearson: Uncorrected chi2(2) =	7.2016						
Design-based F(1.84, 1089.87) =	1.7896	Pr =	0.171				
<b>Other: cholesterol</b>							
Yes (n=11)	17.2	[4.7, 46.7]	82.8	[53.3, 95.3]	100.0		
No (n=145)	54.6	[44.4, 64.4]	45.4	[35.6, 55.6]	100.0		
Pearson: Uncorrected chi2(1) =	4.7891						
Design-based F(1.00, 144.00) =	6.6579	Pr =	0.011				
<b>Total (n=607)</b>	<b>44.8</b>	<b>[40.0, 49.6]</b>	<b>54.7</b>	<b>[49.9, 59.5]</b>	<b>0.5</b>	<b>[0.1, 3.1]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

**4.3.3 Contacted by a collections agency prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions**

	Contacted by a collections agency prior to HMP						Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	Row%	Don't know 95%CI	
<b>FPL category</b>							
0-35% (n=108)	73.4	[63.9, 81.2]	25.1	[17.6, 34.5]	1.4	[0.2, 9.1]	100.0
36-99% (n=99)	66.7	[56.9, 75.2]	32.7	[24.2, 42.6]	0.6	[0.1, 3.5]	100.0
100%+ (n=84)	75.3	[64.3, 83.8]	24.7	[16.2, 35.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	2.1549						
Design-based F(2.49, 695.42) =	0.4996	Pr =	0.648				
<b>Insurance status in 12 months prior to HMP</b>							
Uninsured all 12 months (n=143)	73.1	[64.1, 80.5]	26.9	[19.5, 35.9]	0.0		100.0
Uninsured some of the 12 months (n=78)	74.2	[60.7, 84.2]	25.5	[15.4, 38.9]	0.4	[0.1, 2.4]	100.0
Insured all 12 months (n=69)	68.6	[53.3, 80.7]	27.3	[16.3, 42.0]	4.1	[0.6, 22.7]	100.0
Pearson: Uncorrected chi2(4) =	7.8050						
Design-based F(3.06, 850.43) =	1.3681	Pr =	0.251				
<b>Any chronic condition</b>							
Yes (n=230)	74.0	[66.6, 80.2]	26.0	[19.8, 33.4]	0.0		100.0
No (n=61)	67.2	[51.9, 79.6]	28.3	[17.2, 42.8]	4.5	[0.8, 21.2]	100.0
Pearson: Uncorrected chi2(2) =	10.3147						
Design-based F(1.89, 528.30) =	2.7368	Pr =	0.069				
<b>Hypertension</b>							
Yes (n=101)	78.6	[67.8, 86.5]	21.4	[13.5, 32.2]	0.0		100.0
No (n=190)	69.1	[60.5, 76.5]	29.3	[22.1, 37.7]	1.6	[0.3, 8.6]	100.0
Pearson: Uncorrected chi2(2) =	4.0106						
Design-based F(1.88, 525.18) =	1.0867	Pr =	0.335				
<b>Heart condition or heart disease</b>							
Yes (n=26)	51.5	[28.8, 73.5]	48.5	[26.5, 71.2]	0.0		100.0
No (n=263)	73.4	[66.6, 79.3]	25.4	[19.7, 32.1]	1.2	[0.2, 6.3]	100.0
Pearson: Uncorrected chi2(2) =	5.3095						
Design-based F(1.85, 511.43) =	1.5335	Pr =	0.218				
<b>Diabetes</b>							
Yes (n=33)	85.3	[62.1, 95.3]	14.7	[4.7, 37.9]	0.0		100.0
No (n=258)	71.1	[64.0, 77.3]	27.8	[21.7, 34.7]	1.2	[0.2, 6.3]	100.0
Pearson: Uncorrected chi2(2) =	2.5498						
Design-based F(1.89, 527.54) =	0.7016	Pr =	0.489				
<b>Cancer</b>							
Yes (n=16)	82.9	[60.2, 94.0]	17.1	[6.0, 39.8]	0.0		100.0
No (n=273)	71.5	[64.6, 77.6]	27.3	[21.4, 34.2]	1.1	[0.2, 6.1]	100.0
Pearson: Uncorrected chi2(2) =	0.9488						
Design-based F(1.60, 444.58) =	0.3237	Pr =	0.675				
<b>Mood disorder</b>							
Yes (n=103)	73.4	[61.8, 82.5]	26.6	[17.5, 38.2]	0.0		100.0
No (n=186)	71.2	[62.9, 78.3]	27.1	[20.4, 35.0]	1.7	[0.3, 9.1]	100.0
Pearson: Uncorrected chi2(2) =	1.9207						
Design-based F(1.88, 520.73) =	0.5144	Pr =	0.587				
<b>Stroke</b>							
Yes (n=10)	38.9	[13.8, 71.7]	61.1	[28.3, 86.2]	0.0		100.0
No (n=281)	73.3	[66.7, 79.1]	25.6	[20.0, 32.1]	1.1	[0.2, 5.9]	100.0
Pearson: Uncorrected chi2(2) =	4.9783						
Design-based F(1.71, 476.21) =	1.6887	Pr =	0.190				
<b>Asthma</b>							
Yes (n=54)	76.4	[58.4, 88.2]	23.6	[11.8, 41.6]	0.0		100.0
No (n=237)	71.6	[64.3, 77.9]	27.1	[21.0, 34.3]	1.3	[0.2, 6.8]	100.0
Pearson: Uncorrected chi2(2) =	0.9402						
Design-based F(1.93, 537.54) =	0.2466	Pr =	0.773				

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<b>Chronic lung disease, COPD, or emphysema</b>							
Yes (n=36)	67.1	[49.1, 81.2]	32.9	[18.8, 50.9]	0.0		100.0
No (n=253)	73.0	[65.9, 79.1]	25.8	[19.9, 32.8]	1.2	[0.2, 6.3]	100.0
Pearson: Uncorrected chi2(2) =	0.8318						
Design-based F(1.68, 465.19) =	0.2763	Pr =	0.720				
<b>Substance use disorder</b>							
Yes (n=14)	83.5	[58.9, 94.7]	16.5	[5.3, 41.1]	0.0		100.0
No (n=277)	71.7	[64.8, 77.7]	27.2	[21.3, 34.0]	1.1	[0.2, 6.1]	100.0
Pearson: Uncorrected chi2(2) =	1.1959						
Design-based F(1.74, 486.29) =	0.3734	Pr =	0.659				
<b>Arthritis or a related condition</b>							
Yes (n=82)	79.5	[67.4, 87.9]	20.5	[12.1, 32.6]	0.0		100.0
No (n=209)	69.9	[61.8, 76.9]	28.7	[21.9, 36.6]	1.4	[0.3, 7.7]	100.0
Pearson: Uncorrected chi2(2) =	3.2376						
Design-based F(1.85, 517.51) =	0.8904	Pr =	0.404				
<b>Other: cholesterol</b>							
Yes (n=3)	100.0		0.0		100.0		
No (n=84)	66.2	[52.7, 77.6]	33.8	[22.4, 47.3]	100.0		
Pearson: Uncorrected chi2(1) =	0.8417						
Design-based F(1.00, 75.00) =	1.5083	Pr =	0.223				
<b>Total (n=291)</b>	<b>72.4</b>	<b>[65.7, 78.2]</b>	<b>26.6</b>	<b>[20.9, 33.1]</b>	<b>1.1</b>	<b>[0.2, 5.8]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

#### 4.3.4 Thought about filing for bankruptcy prior to HMP by FPL, insurance status in the 12 months prior to HMP enrollment, and chronic conditions

	Thought about filing for bankruptcy prior to HMP				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>FPL category</b>					
0-35% (n=108)	31.5	[23.2, 41.2]	68.5	[58.8, 76.8]	100.0
36-99% (n=99)	23.9	[16.4, 33.4]	76.1	[66.6, 83.6]	100.0
100%+ (n=84)	27.3	[18.4, 38.4]	72.7	[61.6, 81.6]	100.0
Pearson: Uncorrected chi2(2) =	1.3322				
Design-based F(1.86, 517.90) =	0.8752	Pr =	0.410		
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=143)	34.4	[25.5, 44.7]	65.6	[55.3, 74.5]	100.0
Uninsured some of the 12 months (n=78)	22.4	[13.3, 35.2]	77.6	[64.8, 86.7]	100.0
Insured all 12 months (n=69)	28.2	[16.7, 43.6]	71.8	[56.4, 83.3]	100.0
Pearson: Uncorrected chi2(2) =	3.7177				
Design-based F(2.00, 555.33) =	1.1823	Pr =	0.307		
<b>Any chronic condition</b>					
Yes (n=230)	31.8	[24.9, 39.6]	68.2	[60.4, 75.1]	100.0
No (n=61)	21.9	[11.8, 37.1]	78.1	[62.9, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	2.4804				
Design-based F(1.00, 279.00) =	1.4760	Pr =	0.225		
<b>Hypertension</b>					
Yes (n=101)	32.9	[22.6, 45.1]	67.1	[54.9, 77.4]	100.0
No (n=190)	27.6	[20.5, 36.0]	72.4	[64.0, 79.5]	100.0
Pearson: Uncorrected chi2(1) =	0.9034				
Design-based F(1.00, 279.00) =	0.5858	Pr =	0.445		
<b>Heart condition or heart disease</b>					
Yes (n=26)	25.6	[10.8, 49.4]	74.4	[50.6, 89.2]	100.0
No (n=263)	29.2	[23.0, 36.3]	70.8	[63.7, 77.0]	100.0
Pearson: Uncorrected chi2(1) =	0.1220				
Design-based F(1.00, 277.00) =	0.1094	Pr =	0.741		
<b>Diabetes</b>					
Yes (n=33)	44.6	[25.7, 65.3]	55.4	[34.7, 74.3]	100.0
No (n=258)	27.9	[21.7, 35.0]	72.1	[65.0, 78.3]	100.0
Pearson: Uncorrected chi2(1) =	3.2896				
Design-based F(1.00, 279.00) =	2.6157	Pr =	0.107		
<b>Cancer</b>					
Yes (n=16)	16.5	[3.8, 49.6]	83.5	[50.4, 96.2]	100.0
No (n=273)	30.4	[24.1, 37.5]	69.6	[62.5, 75.9]	100.0
Pearson: Uncorrected chi2(1) =	1.2831				
Design-based F(1.00, 277.00) =	0.9601	Pr =	0.328		
<b>Mood disorder</b>					
Yes (n=103)	30.0	[20.7, 41.3]	70.0	[58.7, 79.3]	100.0
No (n=186)	27.6	[20.3, 36.4]	72.4	[63.6, 79.7]	100.0
Pearson: Uncorrected chi2(1) =	0.1843				
Design-based F(1.00, 277.00) =	0.1233	Pr =	0.726		
<b>Stroke</b>					
Yes (n=10)	3.8	[0.6, 21.4]	96.2	[78.6, 99.4]	100.0
No (n=281)	30.1	[24.0, 37.1]	69.9	[62.9, 76.0]	100.0
Pearson: Uncorrected chi2(1) =	2.5668				
Design-based F(1.00, 279.00) =	9.0576	Pr =	0.003		
<b>Asthma</b>					
Yes (n=54)	35.5	[21.6, 52.4]	64.5	[47.6, 78.4]	100.0
No (n=237)	28.2	[21.8, 35.7]	71.8	[64.3, 78.2]	100.0
Pearson: Uncorrected chi2(1) =	1.0324				
Design-based F(1.00, 279.00) =	0.7484	Pr =	0.388		

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<b>Chronic lung disease, COPD, or emphysema</b>					
Yes (n=36)	30.4	[16.8, 48.7]	69.6	[51.3, 83.2]	100.0
No (n=253)	29.5	[23.1, 36.9]	70.5	[63.1, 76.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0090				
Design-based F(1.00, 277.00) =	0.0101	Pr =	0.920		
<b>Substance use disorder</b>					
Yes (n=14)	58.3	[30.9, 81.4]	41.7	[18.6, 69.1]	100.0
No (n=277)	27.6	[21.6, 34.6]	72.4	[65.4, 78.4]	100.0
Pearson: Uncorrected chi2(1) =	7.2940				
Design-based F(1.00, 279.00) =	5.0914	Pr =	0.025		
<b>Arthritis or a related condition</b>					
Yes (n=82)	40.9	[28.5, 54.5]	59.1	[45.5, 71.5]	100.0
No (n=209)	25.4	[18.9, 33.1]	74.6	[66.9, 81.1]	100.0
Pearson: Uncorrected chi2(1) =	6.5170				
Design-based F(1.00, 279.00) =	4.4044	Pr =	0.037		
<b>Other: cholesterol</b>					
Yes (n=3)	0.0		100.0		100.0
No (n=84)	26.7	[16.4, 40.4]	73.3	[59.6, 83.6]	100.0
Pearson: Uncorrected chi2(1) =	0.6037				
Design-based F(1.00, 75.00) =	0.9986	Pr =	0.321		
<b>Total (n=291)</b>	<b>29.4</b>	<b>[23.4, 36.2]</b>	<b>70.6</b>	<b>[63.8, 76.6]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Any chronic condition is defined as any of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

## 5 Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.

### 5.1 Health Risk Assessment

#### 5.1.1 Completing the HRA taught me something about my health by level of education, age, health status, and number of chronic conditions

	Completing the HRA taught me something about my health								Total Row%	
	Definitely yes		Somewhat yes		No		Don't know			
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI		
<b>Highest level of education</b>										
High school or less (n=114)	28.4	[19.5, 39.4]	37.1	[26.8, 48.7]	34.5	[24.6, 45.9]	0.0			100.0
Some college/ Associate's (n=91)	29.0	[18.5, 42.3]	38.1	[26.5, 51.2]	32.7	[22.6, 44.7]	0.3	[0.0, 1.5]		100.0
Bachelor's degree or higher (n=29)	7.1	[2.7, 17.4]	42.9	[23.7, 64.5]	50.0	[29.6, 70.4]	0.0			100.0
Pearson: Uncorrected chi2(6) =	7.5920									
Design-based F(4.81, 1068.22) =	1.1043	Pr =	0.356							
<b>Age</b>										
19-34 (n=76)	26.8	[16.4, 40.8]	45.8	[32.6, 59.6]	27.3	[17.1, 40.8]	0.0			100.0
35-50 (n=56)	28.3	[16.8, 43.7]	32.5	[19.3, 49.4]	39.1	[25.0, 55.4]	0.0			100.0
51-64 (n=103)	23.0	[14.5, 34.5]	34.5	[24.2, 46.5]	42.2	[31.4, 53.8]	0.3	[0.0, 1.6]		100.0
Pearson: Uncorrected chi2(6) =	5.9321									
Design-based F(5.20, 1160.35) =	0.7668	Pr =	0.579							
<b>Health status</b>										
Excellent (n=20)	22.3	[7.1, 51.9]	42.3	[19.3, 69.2]	35.4	[15.1, 62.7]	0.0			100.0
Very good (n=62)	20.5	[9.6, 38.6]	39.7	[25.4, 56.1]	39.4	[25.4, 55.3]	0.4	[0.1, 2.3]		100.0
Good (n=93)	28.6	[19.0, 40.5]	41.5	[29.7, 54.3]	30.0	[19.8, 42.7]	0.0			100.0
Fair (n=44)	24.8	[12.7, 42.7]	27.5	[14.8, 45.2]	47.7	[31.2, 64.8]	0.0			100.0
Poor (n=15)	37.1	[16.2, 64.3]	40.3	[17.7, 67.9]	22.6	[7.4, 51.5]	0.0			100.0
Pearson: Uncorrected chi2(12) =	8.0995									
Design-based F(11.04, 2450.27) =	0.4806	Pr =	0.917							
<b>Number of chronic conditions</b>										
None (n=74)	23.6	[13.3, 38.3]	37.5	[24.7, 52.3]	38.6	[25.7, 53.4]	0.3	[0.1, 1.9]		100.0
One (n=50)	25.9	[13.2, 44.6]	32.2	[18.7, 49.6]	41.8	[27.0, 58.3]	0.0			100.0
Two or more (n=111)	27.2	[18.8, 37.5]	41.8	[31.1, 53.2]	31.1	[22.0, 41.9]	0.0			100.0
Pearson: Uncorrected chi2(6) =	2.9775									
Design-based F(5.15, 1148.08) =	0.3736	Pr =	0.872							
<b>Total (n=235)</b>	<b>25.7</b>	<b>[19.5, 33.1]</b>	<b>38.2</b>	<b>[30.8, 46.2]</b>	<b>35.9</b>	<b>[28.9, 43.7]</b>	<b>0.1</b>	<b>[0.0, 0.6]</b>		<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

**6 Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.**

Not applicable to the New Enrollee Survey

**7 Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.**

Not applicable to the New Enrollee Survey

## 8 Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.

### 8.1 Insurance status in the 12 months prior to HMP

#### 8.1.1 Predictors of insurance at any time in the 12 months prior to HMP, among enrollees surveyed in 2016 and new enrollees surveyed in 2017

	Insurance at any time in 12 months prior to HMP			
	aOR	95% CI	p-value	Predicted value
<b>Survey year</b>				
Enrollees surveyed in 2016		Reference		<b>55.1</b>
New enrollees surveyed in 2017	1.78	[1.42, 2.24]	0.000	<b>41.2</b>
<b>Gender</b>				
Male		Reference		
Female	1.44	[1.22, 1.70]	0.000	
<b>Age</b>				
19-34		Reference		
35-50	0.67	[0.55, 0.82]	0.000	
51-64	0.61	[0.50, 0.74]	0.000	
<b>Race/ethnicity</b>				
White, non-Hispanic		Reference		
Black, non-Hispanic	0.83	[0.68, 1.02]	0.070	
Hispanic	0.89	[0.61, 1.28]	0.519	
Other, non-Hispanic	1.26	[0.95, 1.68]	0.106	
<b>FPL category</b>				
0-35%		Reference		
36-99%	1.34	[1.11, 1.62]	0.002	
100%+	1.52	[1.25, 1.86]	0.000	
<b>Health status</b>				
Excellent		Reference		
Very good	0.97	[0.70, 1.34]	0.851	
Good	0.99	[0.72, 1.36]	0.930	
Fair	1.02	[0.72, 1.45]	0.895	
Poor	1.11	[0.72, 1.70]	0.640	
<b>Number of chronic conditions</b>				
None		Reference		
One	1.01	[0.81, 1.27]	0.920	
Two or more	1.10	[0.88, 1.37]	0.404	
<b>Constant</b>	0.63	[0.44, 0.88]	0.007	
N	4,584			
F-value	6.482			
Model degrees of freedom	15.000			
Residual degrees of freedom	4,572.000			
F-value significance	0.000			

**Note:** Adjusted logistic regression with predicted margins. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

### 8.1.2 Insurance status in the 12 months prior to HMP enrollment by FPL and employment status

	Uninsured all 12 months		Insurance status in 12 months prior to HMP				Total Row%
	Row%	95%CI	Uninsured some of the 12 months		Insured all 12 months		
			Row%	95%CI	Row%	95%CI	
<b>FPL category</b>							
0-35% (n=239)	47.2	[40.7, 53.8]	22.9	[17.8, 28.8]	29.9	[24.2, 36.3]	100.0
36-99% (n=191)	48.4	[41.5, 55.4]	29.2	[23.4, 35.9]	22.3	[17.3, 28.3]	100.0
100%+ (n=172)	50.8	[43.4, 58.2]	25.1	[19.2, 32.1]	24.1	[18.6, 30.6]	100.0
Pearson: Uncorrected chi2(4) =	3.7214						
Design-based F(3.58, 2113.77) =	1.3991	Pr =	0.236				
<b>Employment status</b>							
Full-time (n=178)	50.7	[41.5, 59.8]	26.1	[18.7, 35.1]	23.2	[16.4, 31.9]	100.0
Part-time (n=175)	48.8	[39.7, 58.0]	26.5	[19.6, 34.9]	24.6	[17.3, 33.8]	100.0
Not employed (n=241)	45.7	[38.4, 53.2]	21.1	[15.8, 27.7]	33.2	[26.6, 40.5]	100.0
Pearson: Uncorrected chi2(4) =	6.7984						
Design-based F(3.98, 2316.48) =	1.1688	Pr =	0.323				
<b>Total (n=602)</b>	<b>47.9</b>	<b>[43.0, 52.8]</b>	<b>24.2</b>	<b>[20.4, 28.6]</b>	<b>27.9</b>	<b>[23.7, 32.5]</b>	<b>100.0</b>

Note:  $\chi^2$  test of independence.

### 8.1.3 Reasons for no insurance, among those uninsured all 12 months prior to HMP enrollment

	Percent	95%CI
<b>Have a job, but it does not offer insurance</b>		
Yes (n=44)	15.8	[11.2, 21.7]
No (n=236)	84.2	[78.3, 88.8]
<b>Have a job, but insurance is too expensive</b>		
Yes (n=9)	1.8	[0.8, 4.3]
No (n=271)	98.2	[95.7, 99.2]
<b>No job during that time</b>		
Yes (n=59)	27.0	[20.9, 34.0]
No (n=221)	73.0	[66.0, 79.1]
<b>Marketplace/individual plan too expensive</b>		
Yes (n=17)	4.6	[2.5, 8.2]
No (n=263)	95.4	[91.8, 97.5]
<b>Too expensive (non-specific)</b>		
Yes (n=116)	32.8	[26.8, 39.5]
No (n=164)	67.2	[60.5, 73.2]
<b>Time for HMP application to be completed/accepted</b>		
Yes (n=4)	1.7	[0.6, 4.9]
No (n=276)	98.3	[95.1, 99.4]
<b>Had problems with (re-)applying for Medicaid</b>		
Yes (n=11)	4.9	[2.6, 9.1]
No (n=269)	95.1	[90.9, 97.4]
<b>Had problems with (re-)applying for private insurance</b>		
Yes (n=2)	0.9	[0.2, 3.8]
No (n=278)	99.1	[96.2, 99.8]
<b>Do not need health insurance</b>		
Yes (n=21)	10.7	[6.8, 16.5]
No (n=259)	89.3	[83.5, 93.2]
<b>Did not get around to it</b>		
Yes (n=21)	8.6	[5.2, 14.1]
No (n=259)	91.4	[85.9, 94.8]
<b>Other</b>		
Yes (n=30)	9.7	[6.4, 14.4]
No (n=250)	90.3	[85.6, 93.6]
<b>Have job, waiting for open enrollment</b>		
Yes (n=0)	0.0	
No (n=280)	100.0	
<b>Tried to enroll, but redirected to Medicaid</b>		
Yes (n=0)	0.0	
No (n=280)	100.0	
<b>Do not know</b>		
Yes (n=1)	0.2	[0.0, 1.2]
No (n=279)	99.8	[98.8, 100.0]
<b>Refused</b>		
Yes (n=2)	0.6	[0.1, 2.3]
No (n=278)	99.4	[97.7, 99.9]

Note: Weighted proportions.

### 8.1.4 Reasons for no insurance, among those uninsured some of the past 12 months prior to HMP enrollment

	Percent	95%CI
<b>Have a job, but it does not offer insurance</b>		
Yes (n=9)	8.1	[3.9, 16.1]
No (n=144)	91.9	[83.9, 96.1]
<b>Have a job, but insurance is too expensive</b>		
Yes (n=5)	4.5	[1.7, 11.4]
No (n=148)	95.5	[88.6, 98.3]
<b>No job during that time</b>		
Yes (n=60)	36.7	[28.0, 46.4]
No (n=93)	63.3	[53.6, 72.0]
<b>Marketplace/individual plan too expensive</b>		
Yes (n=10)	10.2	[5.3, 18.8]
No (n=143)	89.8	[81.2, 94.7]
<b>Too expensive (non-specific)</b>		
Yes (n=17)	7.5	[4.4, 12.5]
No (n=136)	92.5	[87.5, 95.6]
<b>Time for HMP application to be completed/accepted</b>		
Yes (n=25)	15.7	[9.8, 24.1]
No (n=128)	84.3	[75.9, 90.2]
<b>Had problems with (re-)applying for Medicaid</b>		
Yes (n=6)	3.1	[1.4, 6.8]
No (n=147)	96.9	[93.2, 98.6]
<b>Had problems with (re-)applying for private insurance</b>		
Yes (n=0)	0.0	
No (n=153)	100.0	
<b>Do not need health insurance</b>		
Yes (n=1)	0.5	[0.1, 2.7]
No (n=152)	99.5	[97.3, 99.9]
<b>Did not get around to it</b>		
Yes (n=2)	1.9	[0.4, 8.4]
No (n=151)	98.1	[91.6, 99.6]
<b>Other</b>		
Yes (n=36)	23.4	[16.3, 32.5]
No (n=117)	76.6	[67.5, 83.7]
<b>Have job, waiting for open enrollment</b>		
Yes (n=1)	0.2	[0.0, 0.9]
No (n=152)	99.8	[99.1, 100.0]
<b>Tried to enroll, but redirected to Medicaid</b>		
Yes (n=4)	3.6	[1.2, 10.1]
No (n=149)	96.4	[89.9, 98.8]
<b>Do not know</b>		
Yes (n=0)	0.0	
No (n=153)	100.0	
<b>Refused</b>		
Yes (n=0)	0.0	
No (n=153)	100.0	

Note: Weighted proportions.

### 8.1.5 Predictors of being uninsured all 12 months prior to HMP, among those uninsured at any time in the past 12 months prior to HMP enrollment

	Uninsured all 12 months prior to HMP		
	aOR	95% CI	p-value
<b>No-insurance reason: Job, no insurance</b>			
Did not select reason		Reference	
Selected reason	2.62	[0.91, 7.54]	0.073
<b>No-insurance reason: Job, insurance expensive</b>			
Did not select reason		Reference	
Selected reason	0.74	[0.14, 4.00]	0.727
<b>No-insurance reason: No job</b>			
Did not select reason		Reference	
Selected reason	1.07	[0.45, 2.54]	0.885
<b>No-insurance reason: Ind. plan too expensive</b>			
Did not select reason		Reference	
Selected reason	0.81	[0.29, 2.29]	0.696
<b>No-insurance reason: Too expensive (non-spec)</b>			
Did not select reason		Reference	
Selected reason	6.47	[2.48, 16.87]	0.000
<b>No-insurance reason: Time for application</b>			
Did not select reason		Reference	
Selected reason	0.36	[0.08, 1.59]	0.177
<b>No-insurance reason: Problems reapplying for Medicaid</b>			
Did not select reason		Reference	
Selected reason	4.45	[1.06, 18.70]	0.041
<b>No-insurance reason: Do not need insurance</b>			
Did not select reason		Reference	
Selected reason	32.66	[5.04, 211.69]	0.000
<b>No-insurance reason: Did not get around to it</b>			
Did not select reason		Reference	
Selected reason	6.54	[1.35, 31.70]	0.020
<b>No-insurance reason: Other</b>			
Did not select reason		Reference	
Selected reason	0.62	[0.24, 1.60]	0.319
<b>Employment status</b>			
Full-time		Reference	
Part-time	1.43	[0.68, 3.01]	0.346
Not employed	1.92	[0.91, 4.04]	0.086
<b>FPL category</b>			
0-35%		Reference	
36-99%	0.87	[0.48, 1.57]	0.636
100%+	1.09	[0.57, 2.07]	0.794
<b>Age</b>			
19-34		Reference	
35-50	1.24	[0.64, 2.40]	0.513
51-64	1.36	[0.66, 2.78]	0.403
<b>Highest education level</b>			
High school or less		Reference	
Some college/ Associate's	0.63	[0.34, 1.15]	0.128
Bachelor's degree or higher	0.42	[0.18, 0.98]	0.044
<b>Sex</b>			
Male		Reference	
Female	0.45	[0.25, 0.80]	0.007
<b>Race/Ethnicity</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.75	[0.82, 3.72]	0.148
Hispanic	1.71	[0.50, 5.80]	0.389
Other, non-Hispanic	1.22	[0.52, 2.86]	0.644
<b>Constant</b>	0.98	[0.34, 2.80]	0.963
N	423		
F-value	3.698		
Model degrees of freedom	22.000		
Residual degrees of freedom	411.000		
F-value significance	0.000		

Note: Adjusted logistic regression.

## 8.2 Reasons for not applying for HMP

### 8.2.1 Knew about HMP while uninsured but did not apply by number of chronic conditions, experience of homelessness, housing instability, and health literacy

	Knew about HMP while uninsured but did not apply				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Number of chronic conditions</b>					
None (n=88)	31.3	[21.0, 43.9]	68.7	[56.1, 79.0]	100.0
One (n=68)	26.9	[15.8, 41.8]	73.1	[58.2, 84.2]	100.0
Two or more (n=105)	37.7	[27.7, 48.8]	62.3	[51.2, 72.3]	100.0
Pearson: Uncorrected chi2(2) =	2.2985				
Design-based F(1.98, 492.58) =	0.7791	Pr =	0.458		
<b>Homeless in the past 12 months</b>					
Yes (n=36)	22.5	[11.0, 40.6]	77.5	[59.4, 89.0]	100.0
No (n=225)	34.4	[27.3, 42.3]	65.6	[57.7, 72.7]	100.0
Pearson: Uncorrected chi2(1) =	2.3787				
Design-based F(1.00, 249.00) =	1.6265	Pr =	0.203		
<b>Number of places lived in past 3 years</b>					
One (n=119)	36.9	[27.1, 48.0]	63.1	[52.0, 72.9]	100.0
Two (n=82)	29.1	[18.8, 42.0]	70.9	[58.0, 81.2]	100.0
Three (n=29)	37.7	[18.6, 61.5]	62.3	[38.5, 81.4]	100.0
Four or more (n=28)	16.8	[6.8, 35.7]	83.2	[64.3, 93.2]	100.0
Pearson: Uncorrected chi2(3) =	5.1998				
Design-based F(2.94, 724.47) =	1.2418	Pr =	0.294		
<b>How often do you need help with reading health materials?</b>					
Never/rarely (n=207)	31.4	[24.4, 39.3]	68.6	[60.7, 75.6]	100.0
Sometimes/often/always (n=54)	36.5	[23.3, 52.0]	63.5	[48.0, 76.7]	100.0
Pearson: Uncorrected chi2(1) =	0.4901				
Design-based F(1.00, 249.00) =	0.3966	Pr =	0.529		
<b>Total (n=261)</b>	<b>32.4</b>	<b>[26.0, 39.5]</b>	<b>67.6</b>	<b>[60.5, 74.0]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

## 8.2.2 Reasons for not applying to HMP: Didn't think I was eligible by number of chronic conditions, experience of homelessness, housing instability, and health literacy

	Yes		Did not think I was eligible No		Total Row%
	Row%	95%CI	Row%	95%CI	
<b>Number of chronic conditions</b>					
None (n=28)	23.3	[11.3, 42.0]	76.7	[58.0, 88.7]	100.0
One (n=19)	53.8	[27.5, 78.1]	46.2	[21.9, 72.5]	100.0
Two or more (n=44)	30.9	[16.9, 49.7]	69.1	[50.3, 83.1]	100.0
Pearson: Uncorrected chi2(2) =	5.4865				
Design-based F(1.90, 149.89) =	2.0323	Pr =	0.137		
<b>Homeless in the past 12 months</b>					
Yes (n=9)	36.0	[11.2, 71.4]	64.0	[28.6, 88.8]	100.0
No (n=82)	33.4	[21.8, 47.5]	66.6	[52.5, 78.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0272				
Design-based F(1.00, 79.00) =	0.0186	Pr =	0.892		
<b>Number of places lived in past 3 years</b>					
One (n=48)	36.0	[21.0, 54.4]	64.0	[45.6, 79.0]	100.0
Two (n=26)	35.7	[16.2, 61.5]	64.3	[38.5, 83.8]	100.0
Three (n=9)	38.6	[11.1, 76.1]	61.4	[23.9, 88.9]	100.0
Four or more (n=6)	9.4	[2.4, 30.4]	90.6	[69.6, 97.6]	100.0
Pearson: Uncorrected chi2(3) =	1.6681				
Design-based F(2.30, 177.22) =	0.4453	Pr =	0.669		
<b>How often do you need help with reading health materials?</b>					
Never/rarely (n=71)	35.5	[22.9, 50.4]	64.5	[49.6, 77.1]	100.0
Sometimes/often/always (n=20)	27.7	[10.6, 55.1]	72.3	[44.9, 89.4]	100.0
Pearson: Uncorrected chi2(1) =	0.4255				
Design-based F(1.00, 79.00) =	0.3042	Pr =	0.583		
<b>Total (n=91)</b>	33.7	[22.9, 46.6]	66.3	[53.4, 77.1]	100.0

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

### 8.2.3 Reasons for not applying to HMP: Didn't get around to it by number of chronic conditions, experience of homelessness, housing instability, and health literacy

	Yes		Did not get around to it		Total Row%
	Row%	95%CI	No Row%	95%CI	
<b>Number of chronic conditions</b>					
None (n=28)	41.0	[20.9, 64.7]	59.0	[35.3, 79.1]	100.0
One (n=19)	28.3	[9.6, 59.3]	71.7	[40.7, 90.4]	100.0
Two or more (n=44)	29.7	[16.7, 47.2]	70.3	[52.8, 83.3]	100.0
Pearson: Uncorrected chi2(2) =	1.2887				
Design-based F(1.96, 155.13) =	0.3724	Pr =	0.686		
<b>Homeless in the past 12 months</b>					
Yes (n=9)	8.2	[1.0, 43.0]	91.8	[57.0, 99.0]	100.0
No (n=82)	36.6	[25.4, 49.4]	63.4	[50.6, 74.6]	100.0
Pearson: Uncorrected chi2(1) =	3.4527				
Design-based F(1.00, 79.00) =	3.7331	Pr =	0.057		
<b>Number of places lived in past 3 years</b>					
One (n=48)	32.6	[18.5, 50.9]	67.4	[49.1, 81.5]	100.0
Two (n=26)	38.0	[18.5, 62.4]	62.0	[37.6, 81.5]	100.0
Three (n=9)	27.9	[5.9, 70.6]	72.1	[29.4, 94.1]	100.0
Four or more (n=6)	21.3	[2.7, 72.6]	78.7	[27.4, 97.3]	100.0
Pearson: Uncorrected chi2(3) =	0.8002				
Design-based F(2.88, 221.60) =	0.1653	Pr =	0.913		
<b>How often do you need help with reading health materials?</b>					
Never/rarely (n=71)	34.0	[21.9, 48.6]	66.0	[51.4, 78.1]	100.0
Sometimes/often/always (n=20)	30.3	[12.0, 58.1]	69.7	[41.9, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0994				
Design-based F(1.00, 79.00) =	0.0617	Pr =	0.805		
<b>Total (n=91)</b>	33.2	[23.0, 45.3]	66.8	[54.7, 77.0]	100.0

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

## 8.3 Applying for HMP

### 8.3.1 Reason for applying: Lost my other health insurance by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Lost my other health insurance				Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	
<b>Number of chronic conditions</b>					
None (n=186)	27.1	[20.0, 35.6]	72.9	[64.4, 80.0]	100.0
One (n=152)	28.0	[20.2, 37.3]	72.0	[62.7, 79.8]	100.0
Two or more (n=269)	32.6	[26.2, 39.7]	67.4	[60.3, 73.8]	100.0
Pearson: Uncorrected chi2(2) =	1.9165				
Design-based F(2.00, 1187.99) =	0.6388	Pr =	0.528		
<b>Homeless in the past 12 months</b>					
Yes (n=63)	16.2	[8.2, 29.6]	83.8	[70.4, 91.8]	100.0
No (n=542)	31.8	[27.2, 36.8]	68.2	[63.2, 72.8]	100.0
Pearson: Uncorrected chi2(1) =	8.1527				
Design-based F(1.00, 593.00) =	4.8093	Pr =	0.029		
<b>Number of places lived in past 3 years</b>					
One (n=293)	35.0	[28.5, 42.0]	65.0	[58.0, 71.5]	100.0
Two (n=188)	23.5	[17.3, 31.0]	76.5	[69.0, 82.7]	100.0
Three (n=73)	33.8	[22.1, 48.0]	66.2	[52.0, 77.9]	100.0
Four or more (n=48)	20.0	[8.9, 38.9]	80.0	[61.1, 91.1]	100.0
Pearson: Uncorrected chi2(3) =	10.2791				
Design-based F(2.95, 1737.85) =	2.1360	Pr =	0.095		
<b>Need help reading written materials</b>					
Never/rarely (n=508)	31.5	[26.7, 36.6]	68.5	[63.4, 73.3]	100.0
Sometimes/often/always (n=98)	20.1	[12.5, 30.9]	79.9	[69.1, 87.5]	100.0
Pearson: Uncorrected chi2(1) =	5.1164				
Design-based F(1.00, 594.00) =	3.7493	Pr =	0.053		
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=280)	2.7	[1.3, 5.7]	97.3	[94.3, 98.7]	100.0
Uninsured some of the 12 months (n=153)	45.5	[36.1, 55.3]	54.5	[44.7, 63.9]	100.0
Insured all 12 months (n=169)	62.3	[52.7, 71.1]	37.7	[28.9, 47.3]	100.0
Pearson: Uncorrected chi2(2) =	203.3244				
Design-based F(1.97, 1163.23) =	75.1670	Pr =	0.000		
<b>Hypertension</b>					
Yes (n=181)	28.7	[21.5, 37.1]	71.3	[62.9, 78.5]	100.0
No (n=425)	30.0	[24.9, 35.6]	70.0	[64.4, 75.1]	100.0
Pearson: Uncorrected chi2(1) =	0.1038				
Design-based F(1.00, 594.00) =	0.0741	Pr =	0.785		
<b>Heart condition or heart disease</b>					
Yes (n=47)	33.9	[18.9, 53.0]	66.1	[47.0, 81.1]	100.0
No (n=556)	29.1	[24.8, 33.9]	70.9	[66.1, 75.2]	100.0
Pearson: Uncorrected chi2(1) =	0.3735				
Design-based F(1.00, 591.00) =	0.2832	Pr =	0.595		
<b>Diabetes</b>					
Yes (n=49)	44.9	[29.5, 61.4]	55.1	[38.6, 70.5]	100.0
No (n=556)	28.5	[24.2, 33.3]	71.5	[66.7, 75.8]	100.0
Pearson: Uncorrected chi2(1) =	5.0285				
Design-based F(1.00, 593.00) =	4.0866	Pr =	0.044		
<b>Cancer</b>					
Yes (n=29)	26.9	[12.0, 49.8]	73.1	[50.2, 88.0]	100.0
No (n=575)	29.9	[25.6, 34.7]	70.1	[65.3, 74.4]	100.0
Pearson: Uncorrected chi2(1) =	0.1122				
Design-based F(1.00, 592.00) =	0.0837	Pr =	0.772		
<b>Mood disorder</b>					
Yes (n=184)	31.0	[23.7, 39.5]	69.0	[60.5, 76.3]	100.0
No (n=418)	29.2	[24.2, 34.9]	70.8	[65.1, 75.8]	100.0
Pearson: Uncorrected chi2(1) =	0.2020				
Design-based F(1.00, 590.00) =	0.1419	Pr =	0.707		

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<b>Stroke</b>						
Yes (n=16)	41.6	[18.2, 69.4]	58.4	[30.6, 81.8]	100.0	
No (n=591)	29.3	[25.1, 34.0]	70.7	[66.0, 74.9]	100.0	
Pearson: Uncorrected chi2(1) =	0.9275					
Design-based F(1.00, 595.00) =	0.8243	Pr =	0.364			
<b>Asthma</b>						
Yes (n=80)	26.2	[16.5, 38.9]	73.8	[61.1, 83.5]	100.0	
No (n=527)	30.1	[25.5, 35.1]	69.9	[64.9, 74.5]	100.0	
Pearson: Uncorrected chi2(1) =	0.4816					
Design-based F(1.00, 595.00) =	0.3626	Pr =	0.547			
<b>Chronic lung disease, COPD, or emphysema</b>						
Yes (n=54)	28.9	[17.3, 44.2]	71.1	[55.8, 82.7]	100.0	
No (n=550)	29.8	[25.4, 34.7]	70.2	[65.3, 74.6]	100.0	
Pearson: Uncorrected chi2(1) =	0.0150					
Design-based F(1.00, 592.00) =	0.0144	Pr =	0.905			
<b>Substance use disorder</b>						
Yes (n=24)	27.7	[12.1, 51.5]	72.3	[48.5, 87.9]	100.0	
No (n=582)	29.8	[25.4, 34.5]	70.2	[65.5, 74.6]	100.0	
Pearson: Uncorrected chi2(1) =	0.0564					
Design-based F(1.00, 594.00) =	0.0354	Pr =	0.851			
<b>Arthritis or a related condition</b>						
Yes (n=134)	38.6	[29.3, 48.9]	61.4	[51.1, 70.7]	100.0	
No (n=471)	27.3	[22.7, 32.5]	72.7	[67.5, 77.3]	100.0	
Pearson: Uncorrected chi2(1) =	6.2159					
Design-based F(1.00, 593.00) =	4.3749	Pr =	0.037			
<b>Other: cholesterol</b>						
Yes (n=11)	11.7	[3.1, 35.6]	88.3	[64.4, 96.9]	100.0	
No (n=145)	30.4	[21.7, 40.6]	69.6	[59.4, 78.3]	100.0	
Pearson: Uncorrected chi2(1) =	1.4419					
Design-based F(1.00, 144.00) =	2.7525	Pr =	0.099			
<b>Total (n=607)</b>	<b>29.6</b>	<b>[25.4, 34.2]</b>	<b>70.4</b>	<b>[65.8, 74.6]</b>	<b>100.0</b>	

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

**8.3.2 Reason for applying: Had a medical condition that needed care by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP**

	Had a medical condition that needed care				Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	
<b>Number of chronic conditions</b>					
None (n=186)	14.1	[8.9, 21.7]	85.9	[78.3, 91.1]	100.0
One (n=152)	14.2	[8.4, 23.1]	85.8	[76.9, 91.6]	100.0
Two or more (n=269)	26.3	[20.4, 33.1]	73.7	[66.9, 79.6]	100.0
Pearson: Uncorrected chi2(2) =	13.9242				
Design-based F(2.00, 1187.18) =	4.2288	Pr =	0.015		
<b>Homeless in the past 12 months</b>					
Yes (n=63)	24.7	[14.7, 38.3]	75.3	[61.7, 85.3]	100.0
No (n=542)	18.1	[14.4, 22.5]	81.9	[77.5, 85.6]	100.0
Pearson: Uncorrected chi2(1) =	1.9564				
Design-based F(1.00, 593.00) =	1.2394	Pr =	0.266		
<b>Number of places lived in past 3 years</b>					
One (n=293)	17.6	[12.6, 24.0]	82.4	[76.0, 87.4]	100.0
Two (n=188)	17.3	[11.9, 24.6]	82.7	[75.4, 88.1]	100.0
Three (n=73)	18.7	[10.6, 30.8]	81.3	[69.2, 89.4]	100.0
Four or more (n=48)	34.6	[20.2, 52.5]	65.4	[47.5, 79.8]	100.0
Pearson: Uncorrected chi2(3) =	9.0183				
Design-based F(2.98, 1756.95) =	1.9989	Pr =	0.113		
<b>Need help reading written materials</b>					
Never/rarely (n=508)	16.1	[12.5, 20.5]	83.9	[79.5, 87.5]	100.0
Sometimes/often/always (n=98)	34.7	[24.4, 46.8]	65.3	[53.2, 75.6]	100.0
Pearson: Uncorrected chi2(1) =	18.5551				
Design-based F(1.00, 594.00) =	12.5373	Pr =	0.000		
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=280)	24.2	[18.7, 30.6]	75.8	[69.4, 81.3]	100.0
Uninsured some of the 12 months (n=153)	18.4	[11.7, 27.7]	81.6	[72.3, 88.3]	100.0
Insured all 12 months (n=169)	11.5	[6.5, 19.6]	88.5	[80.4, 93.5]	100.0
Pearson: Uncorrected chi2(2) =	11.0877				
Design-based F(1.99, 1176.93) =	3.4008	Pr =	0.034		
<b>Hypertension</b>					
Yes (n=181)	23.3	[16.4, 31.9]	76.7	[68.1, 83.6]	100.0
No (n=425)	17.5	[13.6, 22.4]	82.5	[77.6, 86.4]	100.0
Pearson: Uncorrected chi2(1) =	2.6304				
Design-based F(1.00, 594.00) =	1.7410	Pr =	0.188		
<b>Heart condition or heart disease</b>					
Yes (n=47)	37.6	[22.3, 56.0]	62.4	[44.0, 77.7]	100.0
No (n=556)	17.7	[14.1, 21.9]	82.3	[78.1, 85.9]	100.0
Pearson: Uncorrected chi2(1) =	8.8615				
Design-based F(1.00, 591.00) =	7.0419	Pr =	0.008		
<b>Diabetes</b>					
Yes (n=49)	38.8	[24.0, 56.0]	61.2	[44.0, 76.0]	100.0
No (n=556)	17.5	[13.9, 21.7]	82.5	[78.3, 86.1]	100.0
Pearson: Uncorrected chi2(1) =	11.6428				
Design-based F(1.00, 593.00) =	9.0191	Pr =	0.003		
<b>Cancer</b>					
Yes (n=29)	28.4	[13.7, 49.7]	71.6	[50.3, 86.3]	100.0
No (n=575)	18.5	[14.9, 22.8]	81.5	[77.2, 85.1]	100.0
Pearson: Uncorrected chi2(1) =	1.5982				
Design-based F(1.00, 592.00) =	1.3380	Pr =	0.248		
<b>Mood disorder</b>					
Yes (n=184)	28.2	[21.0, 36.8]	71.8	[63.2, 79.0]	100.0
No (n=418)	15.1	[11.3, 19.9]	84.9	[80.1, 88.7]	100.0
Pearson: Uncorrected chi2(1) =	14.3110				
Design-based F(1.00, 590.00) =	9.5623	Pr =	0.002		

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<b>Stroke</b>					
Yes (n=16)	16.0	[3.6, 49.1]	84.0	[50.9, 96.4]	100.0
No (n=591)	19.2	[15.6, 23.5]	80.8	[76.5, 84.4]	100.0
Pearson: Uncorrected chi2(1) =	0.0884				
Design-based F(1.00, 595.00) =	0.0730	Pr =	0.787		
<b>Asthma</b>					
Yes (n=80)	17.6	[9.5, 30.5]	82.4	[69.5, 90.5]	100.0
No (n=527)	19.4	[15.5, 23.9]	80.6	[76.1, 84.5]	100.0
Pearson: Uncorrected chi2(1) =	0.1288				
Design-based F(1.00, 595.00) =	0.0866	Pr =	0.769		
<b>Chronic lung disease, COPD, or emphysema</b>					
Yes (n=54)	26.7	[15.3, 42.3]	73.3	[57.7, 84.7]	100.0
No (n=550)	18.3	[14.6, 22.6]	81.7	[77.4, 85.4]	100.0
Pearson: Uncorrected chi2(1) =	1.8269				
Design-based F(1.00, 592.00) =	1.6551	Pr =	0.199		
<b>Substance use disorder</b>					
Yes (n=24)	52.3	[30.6, 73.2]	47.7	[26.8, 69.4]	100.0
No (n=582)	17.3	[13.8, 21.4]	82.7	[78.6, 86.2]	100.0
Pearson: Uncorrected chi2(1) =	22.4966				
Design-based F(1.00, 594.00) =	14.1734	Pr =	0.000		
<b>Arthritis or a related condition</b>					
Yes (n=134)	23.3	[15.9, 32.7]	76.7	[67.3, 84.1]	100.0
No (n=471)	17.9	[13.9, 22.7]	82.1	[77.3, 86.1]	100.0
Pearson: Uncorrected chi2(1) =	1.9261				
Design-based F(1.00, 593.00) =	1.3897	Pr =	0.239		
<b>Other: cholesterol</b>					
Yes (n=11)	16.3	[3.9, 48.5]	83.7	[51.5, 96.1]	100.0
No (n=145)	31.7	[23.1, 41.8]	68.3	[58.2, 76.9]	100.0
Pearson: Uncorrected chi2(1) =	0.9578				
Design-based F(1.00, 144.00) =	1.1785	Pr =	0.279		
<b>Total (n=607)</b>	<b>19.2</b>	<b>[15.6, 23.3]</b>	<b>80.8</b>	<b>[76.7, 84.4]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

**8.3.3 Reason for applying: Suggested/signed up at ER/hospital/other by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP**

	Suggested/signed up at ER/hospital/other				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
<b>Number of chronic conditions</b>					
None (n=186)	16.8	[10.9, 24.9]	83.2	[75.1, 89.1]	100.0
One (n=152)	16.7	[10.6, 25.3]	83.3	[74.7, 89.4]	100.0
Two or more (n=269)	13.0	[8.8, 18.7]	87.0	[81.3, 91.2]	100.0
Pearson: Uncorrected chi2(2) =	1.6013				
Design-based F(1.99, 1182.59) =	0.5060	Pr =	0.602		
<b>Homeless in the past 12 months</b>					
Yes (n=63)	21.8	[12.0, 36.2]	78.2	[63.8, 88.0]	100.0
No (n=542)	14.2	[10.9, 18.3]	85.8	[81.7, 89.1]	100.0
Pearson: Uncorrected chi2(1) =	3.0948				
Design-based F(1.00, 593.00) =	1.7664	Pr =	0.184		
<b>Number of places lived in past 3 years</b>					
One (n=293)	13.6	[9.4, 19.3]	86.4	[80.7, 90.6]	100.0
Two (n=188)	19.1	[12.8, 27.4]	80.9	[72.6, 87.2]	100.0
Three (n=73)	8.6	[3.4, 20.2]	91.4	[79.8, 96.6]	100.0
Four or more (n=48)	20.2	[10.0, 36.6]	79.8	[63.4, 90.0]	100.0
Pearson: Uncorrected chi2(3) =	6.3752				
Design-based F(2.99, 1767.02) =	1.3636	Pr =	0.252		
<b>Need help reading written materials</b>					
Never/rarely (n=508)	15.5	[11.9, 19.9]	84.5	[80.1, 88.1]	100.0
Sometimes/often/always (n=98)	13.7	[7.3, 24.2]	86.3	[75.8, 92.7]	100.0
Pearson: Uncorrected chi2(1) =	0.2147				
Design-based F(1.00, 594.00) =	0.1421	Pr =	0.706		
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=280)	22.2	[16.7, 28.8]	77.8	[71.2, 83.3]	100.0
Uninsured some of the 12 months (n=153)	14.2	[8.5, 22.8]	85.8	[77.2, 91.5]	100.0
Insured all 12 months (n=169)	3.9	[1.4, 10.7]	96.1	[89.3, 98.6]	100.0
Pearson: Uncorrected chi2(2) =	27.6038				
Design-based F(1.98, 1167.30) =	8.0732	Pr =	0.000		
<b>Hypertension</b>					
Yes (n=181)	19.2	[13.2, 27.0]	80.8	[73.0, 86.8]	100.0
No (n=425)	13.4	[9.8, 18.2]	86.6	[81.8, 90.2]	100.0
Pearson: Uncorrected chi2(1) =	3.1873				
Design-based F(1.00, 594.00) =	2.1206	Pr =	0.146		
<b>Heart condition or heart disease</b>					
Yes (n=47)	11.8	[4.5, 27.6]	88.2	[72.4, 95.5]	100.0
No (n=556)	15.2	[11.8, 19.3]	84.8	[80.7, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	0.3061				
Design-based F(1.00, 591.00) =	0.2780	Pr =	0.598		
<b>Diabetes</b>					
Yes (n=49)	12.5	[4.8, 28.9]	87.5	[71.1, 95.2]	100.0
No (n=556)	15.4	[12.0, 19.6]	84.6	[80.4, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2659				
Design-based F(1.00, 593.00) =	0.1996	Pr =	0.655		
<b>Cancer</b>					
Yes (n=29)	15.4	[5.5, 36.4]	84.6	[63.6, 94.5]	100.0
No (n=575)	14.9	[11.6, 19.0]	85.1	[81.0, 88.4]	100.0
Pearson: Uncorrected chi2(1) =	0.0052				
Design-based F(1.00, 592.00) =	0.0043	Pr =	0.947		
<b>Mood disorder</b>					
Yes (n=184)	10.5	[6.2, 17.1]	89.5	[82.9, 93.8]	100.0
No (n=418)	17.6	[13.4, 22.7]	82.4	[77.3, 86.6]	100.0
Pearson: Uncorrected chi2(1) =	4.9186				
Design-based F(1.00, 590.00) =	3.2919	Pr =	0.070		

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<b>Stroke</b>					
Yes (n=16)	10.1	[3.6, 25.5]	89.9	[74.5, 96.4]	100.0
No (n=591)	15.3	[12.0, 19.3]	84.7	[80.7, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2675				
Design-based F(1.00, 595.00) =	0.6657	Pr =	0.415		
<b>Asthma</b>					
Yes (n=80)	14.6	[7.1, 27.7]	85.4	[72.3, 92.9]	100.0
No (n=527)	15.3	[11.8, 19.5]	84.7	[80.5, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0249				
Design-based F(1.00, 595.00) =	0.0154	Pr =	0.901		
<b>Chronic lung disease, COPD, or emphysema</b>					
Yes (n=54)	18.4	[8.3, 35.7]	81.6	[64.3, 91.7]	100.0
No (n=550)	15.0	[11.7, 19.2]	85.0	[80.8, 88.3]	100.0
Pearson: Uncorrected chi2(1) =	0.3402				
Design-based F(1.00, 592.00) =	0.2467	Pr =	0.620		
<b>Substance use disorder</b>					
Yes (n=24)	28.0	[12.5, 51.3]	72.0	[48.7, 87.5]	100.0
No (n=582)	14.6	[11.3, 18.6]	85.4	[81.4, 88.7]	100.0
Pearson: Uncorrected chi2(1) =	3.9464				
Design-based F(1.00, 594.00) =	2.5425	Pr =	0.111		
<b>Arthritis or a related condition</b>					
Yes (n=134)	9.0	[4.5, 17.1]	91.0	[82.9, 95.5]	100.0
No (n=471)	16.6	[12.8, 21.2]	83.4	[78.8, 87.2]	100.0
Pearson: Uncorrected chi2(1) =	4.6211				
Design-based F(1.00, 593.00) =	3.0573	Pr =	0.081		
<b>Other: cholesterol</b>					
Yes (n=11)	4.0	[0.6, 23.5]	96.0	[76.5, 99.4]	100.0
No (n=145)	13.1	[7.8, 21.0]	86.9	[79.0, 92.2]	100.0
Pearson: Uncorrected chi2(1) =	0.6447				
Design-based F(1.00, 144.00) =	1.6882	Pr =	0.196		
<b>Total (n=607)</b>	<b>15.2</b>	<b>[11.9, 19.1]</b>	<b>84.8</b>	<b>[80.9, 88.1]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

**8.3.4 Reason for applying: Suggested/signed up by caseworker/social services agency by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP**

	Suggested/signed up by caseworker/social service agency				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
<b>Number of chronic conditions</b>					
None (n=186)	6.9	[3.5, 13.3]	93.1	[86.7, 96.5]	100.0
One (n=152)	5.1	[2.4, 10.6]	94.9	[89.4, 97.6]	100.0
Two or more (n=269)	4.9	[2.6, 8.9]	95.1	[91.1, 97.4]	100.0
Pearson: Uncorrected chi2(2) =	0.9726				
Design-based F(1.97, 1172.86) =	0.3494	Pr =	0.702		
<b>Homeless in the past 12 months</b>					
Yes (n=63)	8.8	[3.3, 21.5]	91.2	[78.5, 96.7]	100.0
No (n=542)	5.1	[3.3, 7.8]	94.9	[92.2, 96.7]	100.0
Pearson: Uncorrected chi2(1) =	1.8015				
Design-based F(1.00, 593.00) =	1.0397	Pr =	0.308		
<b>Number of places lived in past 3 years</b>					
One (n=293)	7.4	[4.5, 11.9]	92.6	[88.1, 95.5]	100.0
Two (n=188)	4.4	[1.7, 10.8]	95.6	[89.2, 98.3]	100.0
Three (n=73)	1.4	[0.5, 3.9]	98.6	[96.1, 99.5]	100.0
Four or more (n=48)	7.4	[2.6, 19.3]	92.6	[80.7, 97.4]	100.0
Pearson: Uncorrected chi2(3) =	5.2150				
Design-based F(2.33, 1371.97) =	1.5671	Pr =	0.205		
<b>Need help reading written materials</b>					
Never/rarely (n=508)	5.4	[3.5, 8.4]	94.6	[91.6, 96.5]	100.0
Sometimes/often/always (n=98)	6.7	[2.7, 15.7]	93.3	[84.3, 97.3]	100.0
Pearson: Uncorrected chi2(1) =	0.2541				
Design-based F(1.00, 594.00) =	0.1731	Pr =	0.677		
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=280)	8.0	[4.9, 12.9]	92.0	[87.1, 95.1]	100.0
Uninsured some of the 12 months (n=153)	3.7	[1.6, 8.8]	96.3	[91.2, 98.4]	100.0
Insured all 12 months (n=169)	3.2	[1.2, 8.4]	96.8	[91.6, 98.8]	100.0
Pearson: Uncorrected chi2(2) =	6.0148				
Design-based F(1.98, 1168.52) =	2.2886	Pr =	0.102		
<b>Hypertension</b>					
Yes (n=181)	6.3	[3.2, 12.0]	93.7	[88.0, 96.8]	100.0
No (n=425)	5.4	[3.3, 8.7]	94.6	[91.3, 96.7]	100.0
Pearson: Uncorrected chi2(1) =	0.2074				
Design-based F(1.00, 594.00) =	0.1511	Pr =	0.698		
<b>Heart condition or heart disease</b>					
Yes (n=47)	2.0	[0.5, 7.0]	98.0	[93.0, 99.5]	100.0
No (n=556)	5.9	[3.9, 8.8]	94.1	[91.2, 96.1]	100.0
Pearson: Uncorrected chi2(1) =	0.9952				
Design-based F(1.00, 591.00) =	2.9307	Pr =	0.087		
<b>Diabetes</b>					
Yes (n=49)	3.0	[1.2, 7.4]	97.0	[92.6, 98.8]	100.0
No (n=556)	5.8	[3.9, 8.7]	94.2	[91.3, 96.1]	100.0
Pearson: Uncorrected chi2(1) =	0.5832				
Design-based F(1.00, 593.00) =	1.7476	Pr =	0.187		
<b>Cancer</b>					
Yes (n=29)	0.0		100.0		100.0
No (n=575)	5.9	[4.0, 8.7]	94.1	[91.3, 96.0]	100.0
Pearson: Uncorrected chi2(1) =	1.6605				
Design-based F(1.00, 592.00) =	1.2294	Pr =	0.268		
<b>Mood disorder</b>					
Yes (n=184)	4.6	[2.1, 9.5]	95.4	[90.5, 97.9]	100.0
No (n=418)	6.2	[3.9, 9.7]	93.8	[90.3, 96.1]	100.0
Pearson: Uncorrected chi2(1) =	0.6330				
Design-based F(1.00, 590.00) =	0.4671	Pr =	0.495		

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<b>Stroke</b>						
Yes (n=16)	15.1	[2.3, 57.2]	84.9	[42.8, 97.7]	100.0	
No (n=591)	5.4	[3.6, 8.0]	94.6	[92.0, 96.4]	100.0	
Pearson: Uncorrected chi2(1) =	2.3021					
Design-based F(1.00, 595.00) =	1.3107	Pr =	0.253			
<b>Asthma</b>						
Yes (n=80)	7.1	[2.6, 17.8]	92.9	[82.2, 97.4]	100.0	
No (n=527)	5.4	[3.5, 8.3]	94.6	[91.7, 96.5]	100.0	
Pearson: Uncorrected chi2(1) =	0.3565					
Design-based F(1.00, 595.00) =	0.2514	Pr =	0.616			
<b>Chronic lung disease, COPD, or emphysema</b>						
Yes (n=54)	1.5	[0.4, 5.2]	98.5	[94.8, 99.6]	100.0	
No (n=550)	6.0	[4.0, 8.9]	94.0	[91.1, 96.0]	100.0	
Pearson: Uncorrected chi2(1) =	1.4989					
Design-based F(1.00, 592.00) =	5.1516	Pr =	0.024			
<b>Substance use disorder</b>						
Yes (n=24)	1.5	[0.3, 8.1]	98.5	[91.9, 99.7]	100.0	
No (n=582)	5.8	[3.9, 8.7]	94.2	[91.3, 96.1]	100.0	
Pearson: Uncorrected chi2(1) =	1.0183					
Design-based F(1.00, 594.00) =	2.7818	Pr =	0.096			
<b>Arthritis or a related condition</b>						
Yes (n=134)	5.8	[3.0, 10.8]	94.2	[89.2, 97.0]	100.0	
No (n=471)	5.6	[3.5, 8.9]	94.4	[91.1, 96.5]	100.0	
Pearson: Uncorrected chi2(1) =	0.0079					
Design-based F(1.00, 593.00) =	0.0079	Pr =	0.929			
<b>Other: cholesterol</b>						
Yes (n=11)	4.8	[0.7, 27.2]	95.2	[72.8, 99.3]	100.0	
No (n=145)	2.9	[1.1, 7.6]	97.1	[92.4, 98.9]	100.0	
Pearson: Uncorrected chi2(1) =	0.1061					
Design-based F(1.00, 144.00) =	0.2180	Pr =	0.641			
<b>Total (n=607)</b>	<b>5.6</b>	<b>[3.8, 8.3]</b>	<b>94.4</b>	<b>[91.7, 96.2]</b>	<b>100.0</b>	

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

### 8.3.5 Reason for applying: Needed some form of health insurance by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Needed some form of health insurance				Total Row%
	Row%	Yes 95%CI	Row%	No 95%CI	
<b>Number of chronic conditions</b>					
None (n=186)	16.5	[11.0, 23.9]	83.5	[76.1, 89.0]	100.0
One (n=152)	16.3	[10.2, 25.2]	83.7	[74.8, 89.8]	100.0
Two or more (n=269)	12.9	[8.7, 18.8]	87.1	[81.2, 91.3]	100.0
Pearson: Uncorrected chi2(2) =	1.4205				
Design-based F(2.00, 1188.54) =	0.4576	Pr =	0.633		
<b>Homeless in the past 12 months</b>					
Yes (n=63)	8.9	[3.9, 19.4]	91.1	[80.6, 96.1]	100.0
No (n=542)	15.9	[12.4, 20.2]	84.1	[79.8, 87.6]	100.0
Pearson: Uncorrected chi2(1) =	2.7003				
Design-based F(1.00, 593.00) =	1.9383	Pr =	0.164		
<b>Number of places lived in past 3 years</b>					
One (n=293)	12.8	[8.7, 18.4]	87.2	[81.6, 91.3]	100.0
Two (n=188)	17.0	[11.3, 24.8]	83.0	[75.2, 88.7]	100.0
Three (n=73)	22.1	[12.3, 36.3]	77.9	[63.7, 87.7]	100.0
Four or more (n=48)	7.4	[3.4, 15.4]	92.6	[84.6, 96.6]	100.0
Pearson: Uncorrected chi2(3) =	7.2074				
Design-based F(2.70, 1590.68) =	1.8341	Pr =	0.145		
<b>Need help reading written materials</b>					
Never/rarely (n=508)	15.2	[11.7, 19.6]	84.8	[80.4, 88.3]	100.0
Sometimes/often/always (n=98)	13.6	[7.8, 22.6]	86.4	[77.4, 92.2]	100.0
Pearson: Uncorrected chi2(1) =	0.1805				
Design-based F(1.00, 594.00) =	0.1467	Pr =	0.702		
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=280)	18.9	[13.6, 25.6]	81.1	[74.4, 86.4]	100.0
Uninsured some of the 12 months (n=153)	17.2	[11.6, 24.7]	82.8	[75.3, 88.4]	100.0
Insured all 12 months (n=169)	5.8	[2.8, 11.7]	94.2	[88.3, 97.2]	100.0
Pearson: Uncorrected chi2(2) =	15.0945				
Design-based F(1.99, 1173.02) =	5.5700	Pr =	0.004		
<b>Hypertension</b>					
Yes (n=181)	10.0	[5.6, 17.2]	90.0	[82.8, 94.4]	100.0
No (n=425)	17.0	[13.0, 21.8]	83.0	[78.2, 87.0]	100.0
Pearson: Uncorrected chi2(1) =	4.7131				
Design-based F(1.00, 594.00) =	3.0240	Pr =	0.083		
<b>Heart condition or heart disease</b>					
Yes (n=47)	18.8	[8.1, 37.8]	81.2	[62.2, 91.9]	100.0
No (n=556)	14.9	[11.6, 18.9]	85.1	[81.1, 88.4]	100.0
Pearson: Uncorrected chi2(1) =	0.4203				
Design-based F(1.00, 591.00) =	0.3112	Pr =	0.577		
<b>Diabetes</b>					
Yes (n=49)	4.5	[1.4, 13.5]	95.5	[86.5, 98.6]	100.0
No (n=556)	15.8	[12.4, 19.9]	84.2	[80.1, 87.6]	100.0
Pearson: Uncorrected chi2(1) =	3.9546				
Design-based F(1.00, 593.00) =	5.6715	Pr =	0.018		
<b>Cancer</b>					
Yes (n=29)	14.2	[3.7, 41.9]	85.8	[58.1, 96.3]	100.0
No (n=575)	15.1	[11.8, 19.1]	84.9	[80.9, 88.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0160				
Design-based F(1.00, 592.00) =	0.0089	Pr =	0.925		
<b>Mood disorder</b>					
Yes (n=184)	10.8	[6.7, 17.1]	89.2	[82.9, 93.3]	100.0
No (n=418)	16.2	[12.2, 21.2]	83.8	[78.8, 87.8]	100.0
Pearson: Uncorrected chi2(1) =	3.0060				
Design-based F(1.00, 590.00) =	2.1906	Pr =	0.139		

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<b>Stroke</b>					
Yes (n=16)	7.2	[1.9, 23.6]	92.8	[76.4, 98.1]	100.0
No (n=591)	15.1	[11.9, 19.1]	84.9	[80.9, 88.1]	100.0
Pearson: Uncorrected chi2(1) =	0.6399				
Design-based F(1.00, 595.00) =	1.4221	Pr =	0.234		
<b>Asthma</b>					
Yes (n=80)	20.8	[11.5, 34.6]	79.2	[65.4, 88.5]	100.0
No (n=527)	14.1	[10.8, 18.2]	85.9	[81.8, 89.2]	100.0
Pearson: Uncorrected chi2(1) =	2.3308				
Design-based F(1.00, 595.00) =	1.4618	Pr =	0.227		
<b>Chronic lung disease, COPD, or emphysema</b>					
Yes (n=54)	20.5	[9.8, 38.0]	79.5	[62.0, 90.2]	100.0
No (n=550)	14.6	[11.3, 18.7]	85.4	[81.3, 88.7]	100.0
Pearson: Uncorrected chi2(1) =	1.0560				
Design-based F(1.00, 592.00) =	0.7670	Pr =	0.381		
<b>Substance use disorder</b>					
Yes (n=24)	8.3	[1.2, 39.7]	91.7	[60.3, 98.8]	100.0
No (n=582)	15.3	[12.0, 19.3]	84.7	[80.7, 88.0]	100.0
Pearson: Uncorrected chi2(1) =	1.0836				
Design-based F(1.00, 594.00) =	0.4749	Pr =	0.491		
<b>Arthritis or a related condition</b>					
Yes (n=134)	12.4	[6.8, 21.7]	87.6	[78.3, 93.2]	100.0
No (n=471)	15.8	[12.1, 20.2]	84.2	[79.8, 87.9]	100.0
Pearson: Uncorrected chi2(1) =	0.8747				
Design-based F(1.00, 593.00) =	0.5380	Pr =	0.464		
<b>Other: cholesterol</b>					
Yes (n=11)	8.1	[1.2, 39.4]	91.9	[60.6, 98.8]	100.0
No (n=145)	13.8	[8.0, 22.7]	86.2	[77.3, 92.0]	100.0
Pearson: Uncorrected chi2(1) =	0.2412				
Design-based F(1.00, 144.00) =	0.3291	Pr =	0.567		
<b>Total (n=607)</b>	<b>15.0</b>	<b>[11.8, 18.8]</b>	<b>85.0</b>	<b>[81.2, 88.2]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

**8.3.6 Reason for applying: Wanted to avoid tax return garnishment/penalty by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP**

	Wanted to avoid tax return garnishment/penalty				
	Row%	Yes 95%CI	Row%	No 95%CI	Total Row%
<b>Number of chronic conditions</b>					
None (n=186)	2.8	[1.2, 6.1]	97.2	[93.9, 98.8]	100.0
One (n=152)	2.4	[0.6, 9.4]	97.6	[90.6, 99.4]	100.0
Two or more (n=269)	1.2	[0.4, 3.2]	98.8	[96.8, 99.6]	100.0
Pearson: Uncorrected chi2(2) =	1.5738				
Design-based F(1.81, 1074.02) =	0.6427	Pr =	0.511		
<b>Homeless in the past 12 months</b>					
Yes (n=63)	3.0	[0.4, 17.6]	97.0	[82.4, 99.6]	100.0
No (n=542)	1.9	[1.0, 3.4]	98.1	[96.6, 99.0]	100.0
Pearson: Uncorrected chi2(1) =	0.4151				
Design-based F(1.00, 593.00) =	0.2040	Pr =	0.652		
<b>Number of places lived in past 3 years</b>					
One (n=293)	2.1	[0.9, 4.6]	97.9	[95.4, 99.1]	100.0
Two (n=188)	2.0	[0.8, 5.1]	98.0	[94.9, 99.2]	100.0
Three (n=73)	3.6	[0.7, 16.8]	96.4	[83.2, 99.3]	100.0
Four or more (n=48)	0.0		100.0		100.0
Pearson: Uncorrected chi2(3) =	2.0044				
Design-based F(2.66, 1568.92) =	0.5024	Pr =	0.658		
<b>Need help reading written materials</b>					
Never/rarely (n=508)	2.2	[1.1, 4.2]	97.8	[95.8, 98.9]	100.0
Sometimes/often/always (n=98)	1.4	[0.5, 4.0]	98.6	[96.0, 99.5]	100.0
Pearson: Uncorrected chi2(1) =	0.2101				
Design-based F(1.00, 594.00) =	0.4095	Pr =	0.522		
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=280)	2.3	[1.0, 4.9]	97.7	[95.1, 99.0]	100.0
Uninsured some of the 12 months (n=153)	2.1	[0.5, 9.1]	97.9	[90.9, 99.5]	100.0
Insured all 12 months (n=169)	1.6	[0.5, 4.7]	98.4	[95.3, 99.5]	100.0
Pearson: Uncorrected chi2(2) =	0.2529				
Design-based F(1.85, 1092.76) =	0.0990	Pr =	0.892		
<b>Hypertension</b>					
Yes (n=181)	0.7	[0.1, 4.6]	99.3	[95.4, 99.9]	100.0
No (n=425)	2.6	[1.4, 4.8]	97.4	[95.2, 98.6]	100.0
Pearson: Uncorrected chi2(1) =	2.1850				
Design-based F(1.00, 594.00) =	1.8980	Pr =	0.169		
<b>Heart condition or heart disease</b>					
Yes (n=47)	0.0		100.0		100.0
No (n=556)	2.2	[1.2, 4.0]	97.8	[96.0, 98.8]	100.0
Pearson: Uncorrected chi2(1) =	0.8119				
Design-based F(1.00, 591.00) =	0.6752	Pr =	0.412		
<b>Diabetes</b>					
Yes (n=49)	0.0		100.0		100.0
No (n=556)	2.2	[1.2, 4.0]	97.8	[96.0, 98.8]	100.0
Pearson: Uncorrected chi2(1) =	0.9466				
Design-based F(1.00, 593.00) =	0.7883	Pr =	0.375		
<b>Cancer</b>					
Yes (n=29)	2.7	[0.4, 14.7]	97.3	[85.3, 99.6]	100.0
No (n=575)	2.0	[1.1, 3.8]	98.0	[96.2, 98.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0588				
Design-based F(1.00, 592.00) =	0.0926	Pr =	0.761		
<b>Mood disorder</b>					
Yes (n=184)	0.7	[0.2, 2.3]	99.3	[97.7, 99.8]	100.0
No (n=418)	2.6	[1.3, 5.0]	97.4	[95.0, 98.7]	100.0
Pearson: Uncorrected chi2(1) =	2.3987				
Design-based F(1.00, 590.00) =	4.0690	Pr =	0.044		

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<b>Stroke</b>					
Yes (n=16)	0.0		100.0		100.0
No (n=591)	2.1	[1.1, 3.8]	97.9	[96.2, 98.9]	100.0
Pearson: Uncorrected chi2(1) =	0.2802				
Design-based F(1.00, 595.00) =	0.2370	Pr =	0.627		
<b>Asthma</b>					
Yes (n=80)	1.6	[0.2, 10.0]	98.4	[90.0, 99.8]	100.0
No (n=527)	2.1	[1.1, 4.0]	97.9	[96.0, 98.9]	100.0
Pearson: Uncorrected chi2(1) =	0.0906				
Design-based F(1.00, 595.00) =	0.0782	Pr =	0.780		
<b>Chronic lung disease, COPD, or emphysema</b>					
Yes (n=54)	0.0		100.0		100.0
No (n=550)	2.2	[1.2, 4.0]	97.8	[96.0, 98.8]	100.0
Pearson: Uncorrected chi2(1) =	0.9609				
Design-based F(1.00, 592.00) =	0.8211	Pr =	0.365		
<b>Substance use disorder</b>					
Yes (n=24)	0.0		100.0		100.0
No (n=582)	2.1	[1.2, 3.9]	97.9	[96.1, 98.8]	100.0
Pearson: Uncorrected chi2(1) =	0.6504				
Design-based F(1.00, 594.00) =	0.5015	Pr =	0.479		
<b>Arthritis or a related condition</b>					
Yes (n=134)	3.6	[1.2, 10.8]	96.4	[89.2, 98.8]	100.0
No (n=471)	1.6	[0.8, 3.2]	98.4	[96.8, 99.2]	100.0
Pearson: Uncorrected chi2(1) =	2.0417				
Design-based F(1.00, 593.00) =	1.4882	Pr =	0.223		
<b>Other: cholesterol</b>					
Yes (n=11)	0.0		100.0		100.0
No (n=145)	1.8	[0.5, 6.0]	98.2	[94.0, 99.5]	100.0
Pearson: Uncorrected chi2(1) =	0.1669				
Design-based F(1.00, 144.00) =	0.1465	Pr =	0.702		
<b>Total (n=607)</b>	<b>2.0</b>	<b>[1.1, 3.7]</b>	<b>98.0</b>	<b>[96.3, 98.9]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

### 8.3.7 Reason for applying: Other by chronic conditions, experience of homelessness, housing instability, health literacy, and insurance status in the 12 months prior to HMP

	Row%	Yes 95%CI	Other Row%	No 95%CI	Total Row%
<b>Number of chronic conditions</b>					
None (n=186)	19.7	[14.3, 26.6]	80.3	[73.4, 85.7]	100.0
One (n=152)	25.6	[18.2, 34.8]	74.4	[65.2, 81.8]	100.0
Two or more (n=269)	20.4	[15.3, 26.7]	79.6	[73.3, 84.7]	100.0
Pearson: Uncorrected chi2(2) =	2.1136				
Design-based F(2.00, 1187.38) =	0.7768	Pr =	0.460		
<b>Homeless in the past 12 months</b>					
Yes (n=63)	24.4	[14.5, 38.1]	75.6	[61.9, 85.5]	100.0
No (n=542)	21.1	[17.4, 25.4]	78.9	[74.6, 82.6]	100.0
Pearson: Uncorrected chi2(1) =	0.4429				
Design-based F(1.00, 593.00) =	0.2815	Pr =	0.596		
<b>Number of places lived in past 3 years</b>					
One (n=293)	17.9	[13.5, 23.4]	82.1	[76.6, 86.5]	100.0
Two (n=188)	29.4	[22.2, 37.8]	70.6	[62.2, 77.8]	100.0
Three (n=73)	16.6	[8.9, 28.8]	83.4	[71.2, 91.1]	100.0
Four or more (n=48)	16.2	[8.1, 29.9]	83.8	[70.1, 91.9]	100.0
Pearson: Uncorrected chi2(3) =	11.2557				
Design-based F(2.98, 1759.35) =	2.8528	Pr =	0.036		
<b>Need help reading written materials</b>					
Never/rarely (n=508)	21.1	[17.3, 25.5]	78.9	[74.5, 82.7]	100.0
Sometimes/often/always (n=98)	23.6	[15.2, 34.8]	76.4	[65.2, 84.8]	100.0
Pearson: Uncorrected chi2(1) =	0.3081				
Design-based F(1.00, 594.00) =	0.2246	Pr =	0.636		
<b>Insurance status in 12 months prior to HMP</b>					
Uninsured all 12 months (n=280)	24.9	[19.6, 31.1]	75.1	[68.9, 80.4]	100.0
Uninsured some of the 12 months (n=153)	15.2	[9.7, 22.9]	84.8	[77.1, 90.3]	100.0
Insured all 12 months (n=169)	21.0	[14.5, 29.4]	79.0	[70.6, 85.5]	100.0
Pearson: Uncorrected chi2(2) =	5.4785				
Design-based F(1.99, 1176.51) =	2.0308	Pr =	0.132		
<b>Hypertension</b>					
Yes (n=181)	23.4	[16.8, 31.5]	76.6	[68.5, 83.2]	100.0
No (n=425)	20.8	[16.7, 25.6]	79.2	[74.4, 83.3]	100.0
Pearson: Uncorrected chi2(1) =	0.4804				
Design-based F(1.00, 594.00) =	0.3559	Pr =	0.551		
<b>Heart condition or heart disease</b>					
Yes (n=47)	17.1	[7.6, 34.2]	82.9	[65.8, 92.4]	100.0
No (n=556)	21.9	[18.1, 26.1]	78.1	[73.9, 81.9]	100.0
Pearson: Uncorrected chi2(1) =	0.4515				
Design-based F(1.00, 591.00) =	0.3942	Pr =	0.530		
<b>Diabetes</b>					
Yes (n=49)	20.3	[9.7, 37.8]	79.7	[62.2, 90.3]	100.0
No (n=556)	21.6	[17.9, 25.8]	78.4	[74.2, 82.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0388				
Design-based F(1.00, 593.00) =	0.0292	Pr =	0.864		
<b>Cancer</b>					
Yes (n=29)	16.0	[5.0, 40.7]	84.0	[59.3, 95.0]	100.0
No (n=575)	21.9	[18.3, 26.1]	78.1	[73.9, 81.7]	100.0
Pearson: Uncorrected chi2(1) =	0.5297				
Design-based F(1.00, 592.00) =	0.3499	Pr =	0.554		
<b>Mood disorder</b>					
Yes (n=184)	23.2	[16.6, 31.4]	76.8	[68.6, 83.4]	100.0
No (n=418)	21.0	[16.9, 25.8]	79.0	[74.2, 83.1]	100.0
Pearson: Uncorrected chi2(1) =	0.3490				
Design-based F(1.00, 590.00) =	0.2436	Pr =	0.622		

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<b>Stroke</b>					
Yes (n=16)	22.6	[6.1, 56.9]	77.4	[43.1, 93.9]	100.0
No (n=591)	21.5	[17.9, 25.6]	78.5	[74.4, 82.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0092				
Design-based F(1.00, 595.00) =	0.0068	Pr =	0.934		
<b>Asthma</b>					
Yes (n=80)	26.3	[16.8, 38.6]	73.7	[61.4, 83.2]	100.0
No (n=527)	20.8	[17.1, 25.2]	79.2	[74.8, 82.9]	100.0
Pearson: Uncorrected chi2(1) =	1.1637				
Design-based F(1.00, 595.00) =	0.9172	Pr =	0.339		
<b>Chronic lung disease, COPD, or emphysema</b>					
Yes (n=54)	19.2	[10.9, 31.5]	80.8	[68.5, 89.1]	100.0
No (n=550)	21.8	[18.1, 26.1]	78.2	[73.9, 81.9]	100.0
Pearson: Uncorrected chi2(1) =	0.1593				
Design-based F(1.00, 592.00) =	0.2013	Pr =	0.654		
<b>Substance use disorder</b>					
Yes (n=24)	0.0		100.0		100.0
No (n=582)	22.7	[18.9, 26.9]	77.3	[73.1, 81.1]	100.0
Pearson: Uncorrected chi2(1) =	8.5695				
Design-based F(1.00, 594.00) =	5.6749	Pr =	0.018		
<b>Arthritis or a related condition</b>					
Yes (n=134)	16.8	[11.0, 24.8]	83.2	[75.2, 89.0]	100.0
No (n=471)	22.9	[18.8, 27.7]	77.1	[72.3, 81.2]	100.0
Pearson: Uncorrected chi2(1) =	2.2283				
Design-based F(1.00, 593.00) =	1.8969	Pr =	0.169		
<b>Other: cholesterol</b>					
Yes (n=11)	17.8	[4.1, 52.2]	82.2	[47.8, 95.9]	100.0
No (n=145)	25.4	[17.8, 34.9]	74.6	[65.1, 82.2]	100.0
Pearson: Uncorrected chi2(1) =	0.2683				
Design-based F(1.00, 144.00) =	0.2978	Pr =	0.586		
<b>Total (n=607)</b>	<b>21.5</b>	<b>[18.0, 25.5]</b>	<b>78.5</b>	<b>[74.5, 82.0]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Number of chronic conditions is defined by the number of the following self-reported conditions: hypertension, heart disease, diabetes, cancer (non-skin), mood disorder, stroke, asthma, chronic lung condition, substance use disorder, arthritis, other ongoing health condition.

### 8.3.8 Reason for applying: Lost my other health insurance by specific age categories

	Lost my other health insurance				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Age categories highlighting life changes</b>					
19-21 (n=31)	30.7	[14.8, 53.1]	69.3	[46.9, 85.2]	100.0
26-28 (n=73)	27.2	[17.1, 40.3]	72.8	[59.7, 82.9]	100.0
All other ages (n=503)	29.9	[25.3, 35.0]	70.1	[65.0, 74.7]	100.0
Pearson: Uncorrected chi2(2) =	0.2799				
Design-based F(1.96, 1166.54) =	0.0807	Pr =	0.919		
<b>Total (n=607)</b>	<b>29.6</b>	<b>[25.4, 34.2]</b>	<b>70.4</b>	<b>[65.8, 74.6]</b>	<b>100.0</b>

Note:  $\chi^2$  test of independence.

### 8.3.9 Reason for applying: Needed some form of health insurance by specific age categories

	Needed some form of health insurance				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Age categories highlighting life changes</b>					
19-21 (n=31)	10.1	[4.5, 21.3]	89.9	[78.7, 95.5]	100.0
26-28 (n=73)	23.0	[13.0, 37.4]	77.0	[62.6, 87.0]	100.0
All other ages (n=503)	14.0	[10.6, 18.2]	86.0	[81.8, 89.4]	100.0
Pearson: Uncorrected chi2(2) =	5.3418				
Design-based F(1.75, 1040.42) =	2.0895	Pr =	0.131		
<b>Total (n=607)</b>	<b>15.0</b>	<b>[11.8, 18.8]</b>	<b>85.0</b>	<b>[81.2, 88.2]</b>	<b>100.0</b>

Note:  $\chi^2$  test of independence.

# 2017 Healthy Michigan Voices New Enrollee Survey Instrument

## Appendix C

### **INT00: Introduction:**

Healthy Michigan Voices is a project at the University of Michigan – you might remember getting a letter and brochure about the project recently.

- We're speaking with people around the state who **recently enrolled** in the Healthy Michigan Plan, to learn more about their experiences with the program so far.
- The survey takes about 10 minutes, and includes questions about your insurance coverage before Healthy Michigan Plan, the process of enrolling and selecting a primary care provider, and your understanding of what the Healthy Michigan Plan covers.

**INT10:** Okay, just a couple of quick things for you to know before we start:

- The survey is confidential; your information will be stored at the University of Michigan in a computer file that does not include your name. We will not tell the state, your health plan, or your doctor any of the specific answers you give on the survey.
- Participating in the survey is voluntary -- if there are any questions you don't want to answer, you can skip them.
- For completing the survey, you get a \$25 gift card that can be used anywhere that accepts MasterCard. And I'll tell you more about that at the end.

Do you have any questions before we begin?

**RECORD\_CALL:** For quality assurance and training purposes, can we record this call? Yes/No [If respondent says no, verify that recorder is turned off]

**CH\_DOB:** Ok, we have your ID listed as <\$Q>.

And just to confirm that I'm talking with the right person, we show that you were born in <MONTH> <YEAROFB>. Is that correct? Yes/No [TEXT BOX if no]

**CK\_ENROL:** And your first month of enrollment in the Healthy Michigan Plan in [HMP first month/year autofilled]. Does that sound about right? Yes/No [TEXT BOX OPTION]

*For these first few questions, I am going to ask you to think back to the 12 months before you enrolled in the Healthy Michigan Plan.*

**Q1.** In the 12 months BEFORE enrolling in the Healthy Michigan Plan, was there a place that you usually would go for a checkup, when you felt sick, or when you wanted advice about your health?

Yes / No / Don't know / NA-didn't need care

If Q1=YES: **Q1a.** What kind of a place was it? a clinic, doctor's office, urgent care or walk-in clinic, emergency room, or other place

**Q2.** In the 12 months BEFORE enrolling in the Healthy Michigan Plan, was there any time when you didn't get the health care you needed? Yes/No

If Q2=YES: **Q2a.** What type of care?

- Primary Care
- Vision Care
- Specialist Care
- Support Services (PT, OT, ST, DME, Lab)

- Prescription Medications
- Mental Health Care
- All
- Other [text box]

**\*\*Interviewer Note:** If respondent says “dental care,” prompt them with “We’ll get to dental care shortly. Was there any other time you didn’t get the **health care** you needed?”\*\*

If Q2=YES: **Q2b.** Why didn’t you get the care you needed? [open-ended; mark all mentioned]

- no insurance / cost
- services needed weren’t covered under insurance plan / cost
- Couldn’t find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Didn’t get around to it
- Other [TEXT BOX]

**Q3.** In the 12 months BEFORE enrolling in the Healthy Michigan Plan, was there any time when you didn’t get the dental care you needed? Yes/No

If Q3=YES: **Q3a.** Why didn’t you get the care you needed? [open-ended; mark all mentioned]

- No dental insurance
- Dental plan wouldn’t cover treatment/service
- Couldn’t find provider that took your dental insurance
- Problems getting appointment
- Transportation/logistics
- Afraid of going to dentist
- Didn’t get around to it
- Other [TEXT BOX]

**Q4.** During the 12 months BEFORE you were enrolled in the Healthy Michigan Plan, about how much did you spend out-of-pocket for your own medical and dental care?

Record \$\_\_\_\_\_ or Don’t Know

If Q4=DON’T KNOW: **Q4a.** I’ll read some categories, and you stop me when I get to the amount you think is about right.

- less than \$50
- from \$51-100
- \$101-500
- \$501 to \$2,000
- \$2,001 to \$3,000
- \$3,001 to \$5,000
- more than \$5,000

**Q5.** In the 12 months BEFORE enrolling in the Healthy Michigan Plan, did you have problems paying medical bills? Y/N

If Q5=YES: Because of these problems paying medical bills, have you or your family...

**Q5a.** Been contacted by a collections agency? Yes/No

**Q5b.** Thought about filing for bankruptcy? Yes/No

If Q5b=YES: **Q5c.** Did you file for bankruptcy? Yes/ No

**Q6.** During the 12 months BEFORE you enrolled in the Healthy Michigan Plan, did you have any type of health insurance at any time? Yes (answer Q7-8) / No (answer Q9-10)

If Q6=YES:

**Q7.** What type of health insurance did you have? Was it insurance through a job or union, insurance purchased by you or someone else, or another type of insurance? [can have >1 type]

- Insurance provided through a job or union  
If YES: **Q7a** Whose job is it? (respondent/family member)
- Insurance purchased by you or someone else  
If YES: **Q7b** Who purchased it? (respondent/family member)  
**Q7c** Was this insurance purchased through the marketplace known as healthcare.gov? Y/N/DK  
**Q7c1** If YES: Did you receive a subsidy? A *subsidy is a benefit from the government that can lower your monthly health insurance payments according to your income.* Y/N/DK
- Veterans Administration or VA care
- CHAMPUS, TRICARE
- Medicare
- County health plan
- Medicaid / MiChild / other state program
- Other [TEXT BOX]

**Q8.** Was there any time in the 12 months BEFORE you enrolled in the Healthy Michigan Plan that you didn't have any health insurance? Yes / No— skip to Q11

If YES: **Q8a** How long were you uninsured? [record response; offer categories if needed]

- One month or less
- Two or three months
- Four months to six months
- All 12 months
- Other [TEXT BOX] *record explanation*
- Don't know

**Q8b** What were the main reasons you were without health insurance for that time?  
[open-ended, code all reasons mentioned]

- Was waiting to get insurance through a job
- Job didn't offer health insurance / offered but too expensive
- No job during that time
- Too expensive to buy own policy
- Tried to enroll in private insurance/Marketplace, redirected to Medicaid
- Took time for HMP application to be completed/accepted
- No medical problems/didn't need insurance
- Had problems with applying
- Just didn't get around to getting insurance
- Other [TEXT BOX]
- Don't know

If Q6=NO:

**Q9a** For how long did you have no health insurance? Would you say:

- One month or less
- 2-3 months
- 4-6 months
- 7-12 months
- Longer than 12 months
- Other [TEXT BOX]
- Don't know

**Q9b** What were the main reasons you were without health insurance for that time? [open/mark all]

- Was waiting to get insurance through a job
- Job didn't offer health insurance / offered but too expensive
- No job during that time
- Too expensive to buy own policy
- Tried to enroll in private insurance/Marketplace, redirected to Medicaid
- Took time for HMP application to be completed/accepted
- No medical problems/didn't need insurance
- Had problems with applying
- Just didn't get around to getting insurance
- Other [TEXT BOX]
- Don't know

If **Q6=NO** or **Q9a=** two months or more:

**Q10.** While you were without health insurance, was there a time when you knew about the Healthy Michigan Plan but did not apply? Yes / No

If YES: **Q10a:** Why did you not apply? [open ended; code all mentioned]

- Didn't want to be on a government program
- Didn't think I was eligible
- Didn't need medical care
- Paperwork/application process is too burdensome
- My doctors don't take Medicaid
- Didn't like a certain feature of HMP (cost, behavior change)
- Just didn't get around to doing it
- Other [TEXT BOX]

[All respondents]

**Q11.** What prompted you to apply for the Healthy Michigan Plan? [open-ended, code all reasons mentioned]

- Tried to buy individual plan / redirected from healthcare.gov application
- Lost my other health insurance
- Had a medical condition that needed care
- Suggested/signed up at ER/hospital/other health care facility
- Suggested/signed up by caseworker/social service agency
- Other [TEXT BOX]

**Q12.** Did you have any problems with the Healthy Michigan Plan application and enrollment process? Yes/No

If YES: **Q12a** And what happened?

- Told I wasn't eligible
- Told my application was incomplete
- Hard to reach caseworker
- Difficulty completing applicant/enrollment materials
- Respondent didn't complete all steps
- Other [TEXT BOX if yes]

**Q13.** When you were choosing your health plan and primary care provider, were you trying to keep your existing doctor or clinic? Yes/No

If YES: **Q13a** And were you able to keep your same doctor or clinic? Yes/No

If NO: **Q13b** Why not?

- Couldn't find a plan with that includes my doctor/clinic
- My doctor/clinic does not take Medicaid
- N/A - Hadn't picked a doctor yet
- Other [TEXT BOX]

People who enroll in the Healthy Michigan Plan should receive a Health Risk Assessment. *The HRA form has three parts: first, a set of questions about your eating, exercise and smoking habits; second, a section about choosing a healthy behavior to work on; and third, a section your provider's office should complete.*

**Q14.** How did you complete the first section of the HRA, which is answering the questions about your eating, exercise, and smoking behaviors? Did you answer those questions: [read options]

- On phone at enrollment
- With doctor or someone in the doctor's office/clinic
- By filling it out yourself
- Don't remember
- Have not completed it --- SKIP to Q17

**Q15.** Did you discuss the HRA with your doctor or someone at your primary care provider's office?

- Yes
- No
- Haven't had an appointment yet
- Don't remember

If YES: **15a** What healthy behavior did you choose to work on? [open-ended, code all mentioned]

Exercise/activity	Take medicine regularly
Nutrition/diet	Monitor my blood pressure/blood sugar
Lose weight	Go to the dentist
Reduce/quit tobacco use	Follow-up appointment for chronic disease
Flu shot	Other [TEXT BOX]
Reduce/quit alcohol use	None
Treatment for substance use	Don't remember

**Q15b** WHY did you choose this healthy behavior? [open-ended, code all mentioned]

- Doctor suggested it
- Something I wanted to do anyway
- Easy to do
- HMP would cover the cost
- Other [TEXT BOX]:

If Q15=HRA completed, ask Q16a-c

**Q16a** Did completing the Health Risk Assessment teach you something you didn't know about your health? Would you say: Definitely yes; somewhat yes; no

**Q16b** Did completing the Health Risk Assessment help your primary care provider better understand your health needs? Would you say: Definitely yes; somewhat yes; no

**Q16c** Did completing the Health Risk Assessment motivate you to be more responsible for your health? Would you say: Definitely yes; somewhat yes; no

*These next questions are about your knowledge of payment information through the Healthy Michigan Plan.*

**Q17.** How did you receive information about how much you will need to pay to be in the Healthy Michigan Plan?

[open ended; code all mentioned]

- On phone at enrollment
- Letter/enrollment packet from state/health plan
- Caseworker/other person helping enroll
- Other [TEXT BOX]
- None – did not get any cost info

**Q18.** Do you know about any ways to reduce the amount you might have to pay? [open; code all; ask “anything else?”]

- Use generic drugs
- Complete the HRA
- Don't go to the ER
- Use preventive care / do the healthy behavior
- Other [TEXT BOX]
- None mentioned

**Q19.** For the following statements, if you think the statement is correct, say “yes.” If you think it is incorrect, say “no.” If you don't know, say “don't know”.

- a. I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK
- b. I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK
- c. Some kinds of visits, tests and medicines have no copays. Y/N/DK

**Q20.** How much do you agree with the following statement: Getting discounts on copays and premiums as a reward for working on improving your health is a good idea. Would you say you: Strongly agree, agree, are neutral, disagree, or strongly disagree?

**Q21.** I'm going to read some different types of health care, and you tell me if you think it is covered under Healthy Michigan Plan, not covered, or if you don't know. Don't worry if you don't know the answer – the state is just trying to find out what people do and don't know about the Healthy Michigan Plan. The first one is eyeglasses: do you think those are covered, not covered or don't know?

- a. Eyeglasses covered/not covered/don't know
- b. Prescription medications
- c. Routine dental care
- d. Treatment to stop smoking
- e. Birth control or family planning
- f. Counseling for mental or emotional problems
- g. Substance use treatment

**Q22.** In the time you've been enrolled in the Healthy Michigan Plan, have you had any questions or difficulties using your Healthy Michigan Plan insurance to get care? Yes/ No/NA- haven't tried to get care

If YES: **Q22a** What kind of questions or difficulties did you have? [open; code all]

- Difficulty/inability finding a provider
- Needed a service that wasn't covered
- Difficulty finding out information
- Problem with Medicaid/HMP ID card
- Other [TEXT BOX]

*Next we have a few questions about you.*

**Q23.** In general, would you say your health is: Excellent; Very Good; Good; Fair; OR Poor

**Q24.** Has a doctor or other health professional ever told you that you had any of the following?

- a) Hypertension, also called high blood pressure? Yes/No
- b) A heart condition or heart disease? Yes/No
- c) Diabetes or sugar diabetes (other than during pregnancy)? Yes/No
- d) Cancer, other than skin cancer? Yes/No
- e) A mood disorder, (For example, depression, anxiety, bipolar disorder)? Yes/No
- f) A stroke? Yes/No
- g) Asthma? Yes/No
- h) Chronic lung disease, such as chronic bronchitis, COPD or emphysema? Yes/No

- i) A substance use disorder? Yes/No
- j) Arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)? Yes/No
- k) Any other ongoing health condition? Yes/No  
**Q24k1** If YES: What is the condition? [TEXT BOX]

**Q25.** Are you currently in school? Yes/No

If YES: **Q25a** Are you a full-time or part-time student? Full-time/Part-time

**Q26.** Are you currently employed or self employed? Yes/No

If Q26=YES: **Q26a** Are you working full time or part time? Full-time/Part-time

If Q26=NO: **Q26b** Are you out of work, unable to work, retired, or not looking for work at this time?

- 1 Out of work
- 2 Unable to work
- 3 Retired
- 4 Not looking for work at this time

**Q26c** How long have you been [Autofill: Out of work/unable to work/retired]?  
 Less than one year / One year or more

[if unable] **Q26d** Why are you unable to work?  
 Disabled / Poor health / Old age / Caregiving responsibilities / Other [TEXT BOX]

**Q27.** What is the highest grade of school you have completed, or the highest degree you have received? [open-ended / mark correct category]

- Less than high school
- High school graduate (or equivalent)
- Some college (1-4 years, no degree)
- Associate's degree (including occupational or academic degrees)
- Bachelor's degree (BA, BS, AB, etc.)
- A post graduate degree (MS, MSW, MPH, MD, JD, etc.)

**Q28.** How often do you need to have someone help you read instructions, pamphlets, or other written material from a doctor, pharmacy or health plan? Never/Rarely/Sometimes/Often/Always

**Q29.** What race or races do you consider yourself to be? [open question, check all that they mention]

- White
- Black or African American
- American Indian or Alaska Native
- Asian: Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, Other Asian
- Pacific Islander: Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander
- Other

**Q29a** Are you Hispanic or Latino? Yes/No

**Q29b** Are you of Arab or Chaldean or Middle Eastern descent? Yes/No

**Q30.** Are you:

- Married
- Divorced
- Widowed
- Separated
- Partnered

Never Married

**Q31a.** In the past 3 years, how many places have you lived for one week or longer —including where you live now?  
Would you say: 1 / 2 / 3 / 4 or more

**Q31b.** Have you been homeless at any time in the last 12 months? Yes/no

**Q32.** Are you a veteran of the US military armed forces? Yes/No

**Q33.** Has anyone else in your household been enrolled in the Healthy Michigan Plan? Yes/No/Don't know

**Q34.** Would you like to add anything else about your experiences with the Healthy Michigan Plan?  
[TEXT BOX]

**End of Survey/Contact Information:**

**ADDRESS2** That's the end of the survey. Can you please confirm your address so we can send your gift card?  
[AUTOFILL address]

You should receive the gift card in 1-3 weeks at that address.

**FOLLOWUPSURV** We may be conducting a follow-up survey. Would you be willing to have us recontact you for that?  
We're just asking for contact information – you can decide at that time if you'd like to participate. Yes/No

**FOLLOWUPPHONE** If YES: What is the best phone number to reach you? Use current number on file/Better number:

**FOLLOWUPTEXT** Can this number get text messages? Yes/No

**FOLLOWUPEMAIL** Is there an email address we can use to contact you?

- 1 Yes (record email and read it back)
- 2 No

**INT99** Thanks so much for talking with me today! Look for your gift card in 1-3 weeks.

# 2017 Healthy Michigan Voices Follow-Up Survey Report

December 30, 2018

University of Michigan  
Institute for Healthcare Policy & Innovation

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## Executive Summary

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The University of Michigan Institute for Healthcare Policy & Innovation (IHPI) is conducting the evaluation of the Healthy Michigan Plan (HMP) as required by the Centers for Medicare & Medicaid Services (CMS) through a contract with the Michigan Department of Health and Human Services (MDHHS). Domain IV of the evaluation includes a series of surveys called *Healthy Michigan Voices (HMV)*. This report presents findings from the 2017 *Healthy Michigan Voices Follow-Up Survey*. From March 2017 to January 2018, 3,104 individuals who participated in 2016 completed the 2017 survey. The 2018 *Healthy Michigan Voices Follow-Up Survey* is currently underway.

### Methods

Individuals who completed the 2016 *Healthy Michigan Voices Enrollee Survey* and consented to be contacted for follow-up were the target population for the 2017 HMV Follow-Up Survey. Out of 4,106 respondents to the 2016 HMV Enrollee Survey, 3,957 (96.4%) consented to be recontacted. The 2017 HMV Follow-Up Survey (n=3,104) response rate was 83.4%.

Two survey instruments were developed, one for those who remained enrolled in HMP and one for those who were no longer enrolled in HMP at the time of the 2017 HMV Follow-Up Survey. Many items on each survey were drawn from established surveys. Items and scales for which established measures were not available, or which were specific to HMP (e.g., items about Health Risk Assessments, understanding of HMP), were previously developed based on findings from 67 semi-structured interviews with HMP enrollees, cognitively tested, and used in the 2016 HMV Enrollee Survey. Surveys were conducted in English, Arabic and Spanish; those who could not speak one of those languages were excluded from participation. Responses were recorded using computer-assisted telephone interviewing software.

Descriptive statistics were generated for responses to all questions, with survey weights calculated and applied to adjust for the probability of selection, nonresponse, and other factors. Bivariate and multivariate analyses were also performed.

### Results

#### Demographics

- Of the 2017 HMV Follow-Up Survey respondents, 76.8% were still enrolled in HMP (“current enrollees”) at the time of the survey and 23.2% were no longer enrolled in HMP (“former enrollees”) at the time of the survey.
- 19.9% of current and former enrollees had incomes 100-133% FPL, while 52.3% had incomes between 0-35% FPL. Former enrollees were more likely than current enrollees to have an income of 36-99% FPL (32.7% vs. 26.2%) and to have an income of 100-133% FPL (26.5% vs. 17.9%).
- 53.0% of current and former enrollees were women.
- 88.8% of current and former enrollees had at least a high school diploma or equivalent.

## Employment

- 57.1% of current and former enrollees were employed. Those with a chronic condition (defined as those who reported any chronic condition in the 2016 HMV Enrollee Survey or the 2017 HMV Follow-Up Survey or those identified using claims data) were less likely than those without such a condition to be employed (53.1% vs. 70.5%). Those age 51-64 were less likely than younger age groups to be employed, and more likely, if they were working, to be working part-time.
- Current and former enrollees who were not employed most often reported being unable to work (41.3%) or out of work (33.6%); fewer reported being retired (8.5%), or not looking for work at this time (16.6%).
- The proportion of current and former enrollees who reported being employed/self-employed increased from 2016 to 2017 (from 48.7% to 57.1%).

## Perspectives on the impact of HMP on employment-related outcomes

- Among those who were employed or retired for less than one year, and not currently a student, 64.8% reported that getting health insurance through HMP helped them do a better job at work.
- Among those who were employed and changed jobs in the last 12 months, 27.9% reported that having health insurance through HMP helped them get a better job.
- Among those who were out of work, 46.9% reported that having health insurance through HMP has made them better able to look for a job.

## Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.

### Current health status

- 36.4% of current and former enrollees reported that their health was excellent or very good; 36.6% reported that their health was good, 20.9% reported that their health was fair, and 6.0% reported that their health was poor.

### Chronic health conditions

- At the time of the 2017 survey, 74.7% of current and former enrollees reported having at least one chronic condition. The most commonly reported chronic conditions in 2017 were mood disorder (33.8%), hypertension (31.4%), and arthritis or a related condition (27.6%). Other conditions reported included asthma (16.9%), diabetes (10.3%), or a heart condition or heart disease (9.8%).
- Current enrollees were more likely than former enrollees to have at least one chronic condition (78.3% vs. 71.7%) and to have two or more chronic conditions (53.6% vs. 46.6%).

### Self-reported change in health

- Most current and former enrollees reported that in the past year their physical health had improved (29.6%) or stayed the same (56.1%), their mental health had improved (28.4%) or stayed the same (58.6%), and their oral health had improved (21.0%) or stayed the same (60.7%).

- Former enrollees were more likely than current enrollees to report that their oral health got worse in 2017 (23.0% vs. 16.3%; adjusted odds ratio (aOR)=1.67).

### **Self-reported fair/poor health (change 2016-2017)**

- The proportion of current and former enrollees who reported fair/poor health decreased from 2016 to 2017 (from 30.7% to 27.0%; aOR=0.66).
- Decreases in the proportion reporting fair/poor health were found in many subgroups of current and former enrollees including those with a chronic condition (from 36.7% to 32.6%), those with two or more chronic conditions (from 45.6% to 40.9%), those with a mental health condition and/or substance use disorder (from 39.9% to 35.6%), and those with a mental health condition (from 40.8% to 36.1%).
- The largest decreases in reports of fair/poor health from 2016 to 2017 were observed in current and former enrollees who were Hispanic (from 28.3% to 21.5%), non-Hispanic Black (from 31.5% to 26%), from the Detroit Metro area (from 30.7% to 24.9%), and with an income 0-35% FPL (from 37.6% to 32.3%).

### **Days poor physical health (change 2016-2017)**

- The mean number of days of poor physical health among current and former enrollees decreased from 2016 to 2017.

## **Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.**

### **Knowledge of HMP covered benefits**

- The majority of current enrollees knew that HMP covers prescription medications (95.1%), dental care (81.6%), eyeglasses (67.9%), and counseling for mental or emotional problems (58.8%). Nearly half knew that HMP covers birth control or family planning (48.1%). Less than half knew that HMP covers substance use treatment (41.4%) and treatment to stop smoking (39.7%).
- In 2017 compared to 2016, current enrollees were more likely to know that dental care is covered by HMP (81.6% vs. 77.0%) and that eyeglasses are covered by HMP (67.9% vs. 61.5%).

### **Experiences with MI Health Account**

- 78.4% of current enrollees reported that they received a MI Health Account statement in the past year. Those with lower incomes were less likely to report receiving a MI Health Account statement.
- Among current enrollees who reported receiving a MI Health Account statement in the past year, 84.8% strongly agreed or agreed that they carefully review each statement to see how much they owe, 82.6% strongly agreed or agreed that the statements help them be more aware of the cost of health care, and 31.0% strongly agreed or agreed that the information in the statement led them to change some of their health care decisions.

### **Perspectives on cost-sharing**

- The majority of current enrollees strongly agreed or agreed that the amount they have to pay for HMP overall seems fair (84.1%) and the amount they pay for HMP is affordable (86.7%).
- The majority of current and former enrollees strongly agreed or agreed that getting discounts on copays and premiums as a reward for working on improving your health is a good idea (91.0%) and that everyone should have to pay something for their health care (53.7%).

### **Perspectives on HMP coverage**

- 97.3% of current and former enrollees strongly agreed or agreed that it is very important for them personally to have health insurance.
- Most current enrollees strongly agreed or agreed that having HMP has taken a lot of stress off them (91.4%) and that without HMP they would not be able to go to the doctor (88.5%) or the dentist (83.6%); those with a chronic condition were more likely than those without to strongly agree or agree with these statements.
- Current enrollees were more likely in 2017 than in 2016 to strongly agree or agree that having HMP has taken away a lot of stress (91.4% vs. 87.9%) and that without HMP they would not be able to go to the doctor (88.4% vs. 84.3%).

### **Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.**

#### **Forgone health care**

- Former enrollees were more likely than current enrollees to report forgone health care (in the last 12 months for current enrollees or since HMP coverage ended for former enrollees) (17.1% vs. 7.8%).
- Among current enrollees who reported not getting the health care they needed:
  - The most commonly reported types of forgone health care were primary care (43.2%) and specialty care (28.3%); prescription medications was mentioned by 20.5% and mental health care by 9.2%.
  - The most commonly reported reason for not getting the health care they needed, regardless of the type of care, was difficulty getting an appointment (25.7%).
- Among former enrollees who reported not getting the health care they needed:
  - The most commonly reported types of forgone health care were primary care (46.2%), prescription medications (25.0%), and specialty care (16.2%).
  - The most commonly reported reasons for not getting the health care they needed, regardless of the type of care, were no insurance coverage (45.5%) and cost (36.0%).

#### **Forgone dental care**

- 16.4% of current enrollees reported not getting the dental care they needed in the last 12 months.
- In multivariate analyses limited to current enrollees, individuals with a chronic condition (aOR=1.45) or a mental health condition (aOR=1.60) were more likely than individuals without these conditions to report forgone dental care in the last 12 months.

- HMP coverage ended.
- Former enrollees were more likely than current enrollees to report forgone dental care (in the last 12 months for current enrollees or since HMP coverage ended for former enrollees) (aOR=1.58).

**Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.**

#### **Health behaviors**

- 6.6% of current enrollees reported binge drinking three or more days per week in the 2017 survey. Approximately half (52.6%) of current enrollees who reported any binge drinking in 2016 decreased their alcohol use between 2016 and 2017.
- Among current enrollees who reported smoking or using tobacco in 2016, 14.4% quit smoking or using tobacco from 2016 to 2017.

#### **Health risk assessment**

- Current enrollees were more likely than former enrollees to have a completed HRA with physician attestation recorded in the data warehouse (43.9% vs. 28.8%). Among current enrollees, those that had a PCP visit were much more likely than those who did not to have completed an HRA (46.6% vs. 8.2%).

**Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.**

#### **Regular source of care**

- 93.8% of current enrollees reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health in the last 12 months. Among those current enrollees, 69.7% reported a doctor's office, 20.5% a clinic, 6.1% an urgent care/walk-in clinic, and 2.6% reported the ER as their regular source of care.
- Current enrollees who reported a PCP visit in the past 12 months were much less likely than those who did not to report having the ER or urgent care as a regular source of care in the last 12 months (2.4% vs. 15.0%).
- 76.5% of former enrollees reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health since their HMP coverage ended. Among those former enrollees, 62.5% reported a doctor's office, 21.2% a clinic, 7.9% an urgent care/walk-in clinic, and 5.7% reported the ER as their regular source of care.

#### **Primary care utilization**

- 85.6% of current enrollees reported seeing their PCP in the past 12 months.
- Among those who reported not seeing their PCP in the past 12 months, the most common reason given was that they were healthy and did not need to see a provider (57.0%).
- 92.9% of current enrollees had a claim for at least one primary care visit.

### **Preventive services utilization**

- 92.4% of current enrollees had a claim for at least one preventive service.
- 50.0% of current enrollees (not restricted by age or gender) had a claim for cancer screening.
  - 59.0% of women received cervical cancer screening
  - 75.4% of women over age 50 received breast cancer screening
  - 45.6% of current enrollees over age 50 had colorectal cancer screening
- In multivariate analysis, the number of preventive services received by current enrollees was greater for those who:
  - Reported having a PCP visit in the past 12 months compared to those who did not
  - Completed an HRA compared to those who did not
  - Reported discussing the HRA with a provider in the last year compared to those who did not
  - Had better knowledge of HMP covered benefits and costs
  - Had a greater number of primary care visits
- In multivariate analysis limited to current enrollees, there were no statistically significant associations between the number of preventive services received by current enrollees and their knowledge of fee reductions for completing an HRA or agreeing that MI Health Account statements led them to change health care decisions.

### **Dental care utilization**

- 67.4% of current enrollees had a claim for at least one dental visit.

### **Self-reported emergency room use**

- 33.3% of current enrollees reported going to the ER for care in the past 12 months.
- Current enrollees who reported a PCP visit in the past 12 months were more likely than those who did not to say they tried to contact their PCP before going to the ER (21.3% vs. 8.4%).

### **Perspectives on care seeking**

- 83.8% of current enrollees strongly agreed or agreed that their preference is to go straight to a doctor and ask his or her opinion if they have a medical problem.
- 22.4% of former enrollees strongly agreed or agreed that sometimes they go to the ER because they know they cannot be turned away.
- 33.6% of former enrollees strongly agreed or agreed that sometimes they go to the ER because they do not have another place to get care.

### **Checking cost-sharing before seeking care**

- 26.9% of current and former enrollees reported checking how much they would have to pay for a doctor's visit, medication, or other health service before they received care in the past 12 months.

**Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.**

**Predictors of disenrollment**

- In multivariate analysis, those with an income of 36-99% FPL (aOR=1.79) and those with an income of 100-133% FPL (aOR=2.07) were more likely than those with an income of 0-35% FPL to disenroll from HMP.
- There was no difference between those no longer enrolled and those still enrolled in HMP in their views in the 2016 survey of the affordability of HMP, the fairness of HMP costs, or the importance of health insurance.

**Reasons for disenrollment**

- Among all former enrollees, the most common reason for disenrollment was an income increase or getting other coverage (53.7%), with 13.8% saying they were [otherwise] ineligible to continue. Fewer former enrollees reported administrative problems (8.6%) or not taking action to re-enroll (7.7%).

**Insurance status since HMP coverage ended**

- At the time of the 2017 survey, 29.9% of former enrollees reported being uninsured, 26.6% reported Medicaid insurance, 21.5% reported private, employment-based insurance, 11.4% reported Medicare, VA or CHAMPUS insurance, and 4.0% reported private insurance purchased by themselves or someone else.

**Cost of insurance since HMP coverage ended**

- 47.0% of former enrollees reported that the amount they currently pay for their health insurance in a typical month is a little or a lot more than what they were paying with their HMP coverage, 39.4% said it is about the same, and 7.7% said it is less. Those with an income of 100-133% FPL were more likely to report that the amount they currently pay is a lot more than what they were paying with HMP.

**Problems paying medical bills since HMP coverage ended**

- 22.0% of former enrollees reported having problems paying medical bills since their HMP coverage ended.

**Perspectives on cost-sharing and coverage since HMP coverage ended**

- 49.0% of former enrollees strongly agreed or agreed that they worry more about something bad happening to their health since their HMP coverage ended.

**Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.**

*Not applicable to the 2017 HMV Follow-Up Survey.*

## Conclusions

### Health improvement

Our findings from the 2017 HVM Follow-Up Survey show that Medicaid expansion in Michigan is associated with improvements in self-reported health and fewer days of poor physical health among both current and former enrollees and in many subgroups of current and former enrollees including those with a chronic condition and those with a mental health condition and/or substance use disorder.

These longitudinal results are noteworthy, since other evidence on the health impact of Medicaid expansion has been mixed and has been largely based on comparisons of expansion and non-expansion states using serial cross-sectional data for the U.S. population. One of the only other recent studies to examine longitudinal changes in health among enrollees was the Oregon Health Insurance Experiment, which found a decrease in symptomatic depression and mixed results related to changes in physical health.<sup>1, 2</sup>

### Employment gains

Data from the 2017 HVM Follow-Up Survey show that the proportion of current and former enrollees who reported being employed/self-employed increased from 48.7% in the 2016 survey to 57.1% in the 2017 survey. Analysis of the 2016 HVM Enrollee Survey data showed that enrollees reported that HMP helped them in their work, look for work, and find a better job, and analysis of the 2017 survey now shows gains in employment.

Few other studies have examined the impact of Medicaid expansion on employment. While Ohio found their Medicaid expansion program was associated with improvements in ease of working or looking for work,<sup>3</sup> and another study found that people with disabilities were more likely to be employed after Medicaid expansion,<sup>4</sup> most studies have not seen changes in employment associated with Medicaid expansion.<sup>5</sup>

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<sup>1</sup> Baicker, K., Taubman, S. L., Allen, H.L., Bernstein, M., Gruber, J. H., Newhouse, J. P., Schneider, E. C., Wright, B. J., Zaslavsky, A. M., & Finkelstein, A. N. (2013). The Oregon experiment: Effects of Medicaid on clinical outcomes. *New England Journal of Medicine*, 368(18), 1713-1722.

<sup>2</sup> Finkelstein, A., Taubman, S., Wright, B., Bernstein, M., Gruber, J., Newhouse, J. P., Allen, H., & Baicker, K. (2012). The Oregon health insurance experiment: Evidence from the first year. *Quarterly Journal of Economics*, 127(3), 1057-1106.

<sup>3</sup> The Ohio Department of Medicaid. (2018, August 20). *2018 Ohio Medicaid Group VII Assessment: A Follow-Up to the 2016 Ohio Medicaid Group VII Assessment*. Retrieved from <https://www.medicaid.ohio.gov/Portals/0/Resources/Reports/Annual/Group-VIII-Final-Report.pdf>

<sup>4</sup> Hall, J. P., Shartzter, A., Kurth, N. K., & Thomas, K. C. (2017). Effect of Medicaid expansion on workforce participation for people with disabilities. *American Journal of Public Health*, 107(2), 262-264.

<sup>5</sup> Antonisse, L., Garfield, R., Rudowitz, R., & Artiga, S. (2018, March 28). *The effects of Medicaid expansion under the ACA: Updated findings from a literature review*. Retrieved from <https://www.kff.org/medicaid/issue-brief/the-effects-of-medicaid-expansion-under-the-aca-updated-findings-from-a-literature-review-march-2018/>

## **Experiences of those no longer enrolled**

About one in four 2017 HMP Follow-Up Survey respondents were no longer enrolled in HMP, and one third of these former enrollees reported being uninsured. Former enrollees, including those with and without insurance at the time of the survey, were more likely than current enrollees to report having recently forgone health care and dental care, usually due to cost or lack of coverage. Many former enrollees reported greater out of pocket costs and more difficulty with medical bills after their HMP coverage ended.

While former enrollees were less likely than those who remained enrolled to report having a regular source of care, and less likely to report that their regular source of care is a doctor's office or clinic, few named the ER as that source of care. More than three quarters of those who did report that their regular source of care is a doctor's office or clinic said they were still going to their HMP PCP. This suggests that even shorter-term HMP enrollment may promote a shift away from reliance on emergency rooms to primary care and may facilitate primary care continuity. However, one in three former enrollees agreed that sometimes they go to the ER because they don't have another place to get care; another substantial minority said that sometimes they go to the ER because they know they cannot be turned away.

There was no difference between those no longer enrolled and those still enrolled in HMP in their views in the 2016 survey of the affordability of HMP, the fairness of HMP costs, or the importance of health insurance.

## **Current enrollees' understanding of insurance and covered benefits**

Current enrollees generally had a good overall understanding of HMP's covered benefits. In 2017 compared to 2016, current enrollees were more likely to know that dental care and eyeglasses are covered by HMP. Yet many current enrollees continued to be unaware in the 2017 survey that HMP provides coverage for smoking cessation and substance use disorder treatment. Understanding of the healthy behavior rewards associated with HRA completion also continued to remain low among current enrollees in 2017.

## **Current enrollees' access to care, primary care and prevention**

Improved access to and use of preventive services can improve health in the short- and long-term. Current enrollees continued to report improvements in access to care in the 2017 survey. Nearly all current enrollees reported a regular source of care, the vast majority naming a doctor's office or clinic rather than an urgent care/walk-in clinic or an ER. Few current enrollees reported not getting the health care they needed in the last 12 months. Current enrollees also continued to report reductions in financial barriers to care. Current enrollees were even more likely in 2017 than in 2016 to strongly agree or agree that without HMP they wouldn't be able to go to the doctor.

Nearly all current enrollees had a claim for a primary care visit. Among those who reported not seeing their PCP in the past 12 months, more than half said that was because they were healthy and did not need to see a provider.

Current enrollees reported positive changes in health behaviors. For instance, among current enrollees who reported smoking or using tobacco in 2016, 14.4% did not report smoking or using tobacco in 2017. This is nearly twice the recent quit rate (7.4%) from 2015 national data.<sup>6</sup> Improved health behaviors can improve health immediately and, of course, in the longer term.

Previous studies have found that Medicaid expansion leads to increases in the number of preventive services received.<sup>7,8</sup> In this analysis, nearly all current enrollees had a claim for at least one preventive service. PCP visits, remembering discussions about the HRA, HRA completion with PCP attestation, and better knowledge of HMP coverage were all associated with more preventive services utilization. Other studies have shown mixed results in regards to the impact of Medicaid expansion on cancer screening.<sup>9</sup> Screening for colorectal cancer in this HMP survey cohort was comparable to or better than that found for low-income populations nationally, and the breast cancer screening rate was much higher.<sup>10</sup>

## Recommendations

It is important to continue to assess the long-term impact of Medicaid expansion on health and functional outcomes, including employment. While short-term gains have been seen, the emphasis on prevention and health risk modification in HMP could have even greater impact over the long-term. While some of this information on health and functional outcomes can be ascertained from claims, surveys such as the *Healthy Michigan Voices* Survey provide a unique opportunity to understand changes in health behaviors and health status that are not readily evident in claims data.

Because primary care visits appear to have a large impact on health promotion and preventive services, and may decrease the use of emergency rooms, maintaining and improving access to primary care could be more important than emphasizing the completion of the HRA. We recommend that MDHHS work with Medicaid health plans and the provider community to maintain or improve timely access to appointments.

MDHHS or the evaluation team should continue to monitor the employment status of current HMP enrollees, including health-related barriers to gaining employment; and the health status of enrollees who lose HMP coverage if they are unable to satisfy community engagement requirements.

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<sup>6</sup> Babb, S., Malarcher, A., Schauer, G., Asman, K., & Jamal, A. (2017, January 6). Quitting smoking among adults: United States, 2000–2015. *Morbidity and Mortality Weekly Report*, 65(52),1457–1464.

<sup>7</sup> Sabik, L. M., Tarazi, W. W., & Bradley, C. J. (2015). State Medicaid expansion decisions and disparities in women’s cancer screening. *American Journal of Preventive Medicine*, 48(1), 98–103.

<sup>8</sup> Simon, K., Soni, A., & Cawley, J. (2017). The impact of health insurance on preventive care and health behaviors: Evidence from the first two years of the ACA Medicaid expansions. *Journal of Policy Analysis and Management*, 36(2), 390–417.

<sup>9</sup> Mahal, B. A., Chavez, J., Mahal, A. N., Yang, D. D., Kim, D. W., Sanford, N. N., Sethi, R., Hu, J. C., Trinh, Q. D., & Nguyen, P. L. (2018). Early impact of the Affordable Care Act and Medicaid expansion on racial and socioeconomic disparities in cancer care. *International Journal of Radiation Oncology*, 102(3), e418-e419.

<sup>10</sup> Sabatino, S. A., White, M. C., Thompson, T. D., & Klabunde, C. N. (2015, May 8). Cancer screening test use: United States, 2013. *Morbidity and Mortality Weekly Report*, 64(17), 464-8.

MDHHS should continue to educate HMP enrollees about covered benefits, particularly coverage for smoking cessation and treatment for substance use disorders, and about financial incentives for healthy behaviors.

## Introduction

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The University of Michigan Institute for Healthcare Policy & Innovation (IHPI) is conducting the evaluation of the Healthy Michigan Plan (HMP) as required by the Centers for Medicare & Medicaid Services (CMS) through a contract with the Michigan Department of Health and Human Services (MDHHS). Domain IV of the evaluation includes a series of surveys called *Healthy Michigan Voices (HMV)*. This report presents findings from the 2017 *Healthy Michigan Voices Follow-Up Survey*. From March 2017 to January 2018, 3,104 individuals who participated in 2016 completed the 2017 survey. The 2018 *Healthy Michigan Voices Follow-Up Survey* is currently underway.

## Methods

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### Survey design

Two survey instruments were developed, one for those who remained enrolled in HMP and one for those who were no longer enrolled in HMP at the time of the survey. Each survey included established measures of demographics, health, access to care, and insurance status drawn from national surveys, including the National Health and Nutrition Exam Survey (NHANES),<sup>11</sup> the Health Tracking Household Survey (HTHS),<sup>12</sup> the National Health Interview Survey (NHIS),<sup>13</sup> the Behavioral Risk Factor Surveillance System (BRFSS<sup>14</sup> and MiBRFSS<sup>15</sup>), the Short Form Health Survey (SF-12),<sup>16</sup> the Food Attitudes and Behaviors Survey,<sup>17</sup> the Consumer Assessment of Healthcare Providers and Systems (CAHPS),<sup>18</sup> the Employee Benefit Research Institute Consumer Engagement in Healthcare Survey (CEHCS),<sup>19</sup> the Commonwealth Fund Health Care Quality Survey,<sup>20</sup> and the U.S. Census. Items and scales for which established measures were not available, or which were specific to HMP (e.g., items about Health Risk Assessments, understanding of HMP), were previously developed based on findings from 67 semi-structured interviews with HMP enrollees from five target geographic regions across the state of Michigan (Detroit, Kent County, Midland/Bay/Saginaw Counties, Alcona/Alpena/Oscoda Counties, and Marquette/Baraga/Iron Counties) conducted by the evaluation team April to August 2015. New items underwent cognitive testing, and pre-testing for timing and clarity and many were used successfully in the 2016 *Healthy Michigan Voices Enrollee Survey*.<sup>21</sup> Items asking about experiences of and reasons for disenrollment were based

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<sup>11</sup> [NHANES \(National Health and Nutrition Exam Survey, CDC\)](#)

<sup>12</sup> [HTHS \(Health Tracking Household Survey\)](#)

<sup>13</sup> [NHIS \(National Health Interview Survey, CDC\)](#)

<sup>14</sup> [BRFSS \(Behavioral Risk Factor Surveillance System, CDC\)](#)

<sup>15</sup> [MiBRFSS \(Michigan Behavioral Risk Factor Surveillance System, MDHHS\)](#)

<sup>16</sup> [SF-12 \(Short Form Health Survey, RAND\)](#)

<sup>17</sup> [FAB \(Food Attitudes and Behaviors Survey, NCI\)](#)

<sup>18</sup> [CAHPS \(Consumer Assessment of Healthcare Providers and Systems\)](#)

<sup>19</sup> [Consumer Engagement in Health Care Survey \(EBRI: CEHCS\)](#)

<sup>20</sup> [Commonwealth Fund Health Care Quality Survey](#)

<sup>21</sup> [Report on the 2016 Healthy Michigan Voices Survey](#)

responses to open-ended questions on the 2016 HMV survey of individuals no longer enrolled in 2016 (these individuals were not sampled during the 2016 HMV Enrollee Survey).

## **Survey administration**

Individuals who completed the 2016 *Healthy Michigan Voices* Enrollee Survey and consented to be contacted for follow-up were the target population for the 2017 HMV Follow-Up Survey. Approximately 13-14 months after completion of the 2016 HMV Enrollee Survey, introductory packets were mailed to respondents at the address given during the 2016 survey; prior to mailing, the MDHHS Data Warehouse was queried to identify any respondents who were documented as deceased or incarcerated. The introductory packet contained a letter explaining the follow-up survey, a brochure about the project, and a postage-paid postcard that could be used to indicate a preferred time/day for interview or refusal to participate. The letter also provided a toll-free number and email address for enrollees and former enrollees who wished to indicate a preferred time/day for interview or refusal to participate. For introductory packets returned as undeliverable, the MDHHS Data Warehouse was queried for updated address information.

Approximately five business days after introductory packets were mailed, email and text messages were sent to respondents who indicated on their 2016 HMV Enrollee Survey that they preferred these contact methods; the emails and text messages restated key information from the introductory letter. For those who did not refuse using postcards, email or text response, *Healthy Michigan Voices* interviewers placed phone calls to sampled enrollees and former enrollees between the hours of 9 am and 9 pm. Surveys were conducted in English, Arabic and Spanish; those who could not speak one of those languages were excluded from participation. Responses were recorded using computer-assisted telephone interviewing software.

At the outset of the survey, current and former enrollees were informed that their individual responses would be kept confidential; only aggregate data would be reported. They were also informed that completing the survey was voluntary and that they could skip questions if they wished. Those who completed the survey were mailed a \$25 gift card to compensate them for their time and phone minutes devoted to completing the survey. The median duration of time to complete the survey was 18 minutes; the amount of time to complete the survey ranged from 8 to 63 minutes.

## **Survey population and inclusion criteria**

The 2017 HMV Follow-Up Survey was administered to those who consented to be followed up in the 2016 HMV Enrollee Survey. Out of 4,106 respondents in 2016, 3,957 (96.4%) consented as shown in Table 3. Our analysis of potential non-response bias indicated little difference between those who consented to be recontacted and those who did not (see Table 1).

**Table 1. Comparison of characteristics of 2016 HMV Enrollee Survey respondents who consented to be recontacted and those who did not**

<b>Characteristics</b>	<b>Consented to be recontacted N=3,957 (%)</b>	<b>Did not consent to be recontacted N=149 (%)</b>	<b><i>p</i> value</b>
<b>Age</b>			
19-34	31.7%	36.2%	0.156
35-50	31.7%	34.9%	
51-64	36.6%	28.9%	
<b>Gender</b>			
Male	40.7%	53.3%	0.002
Female	59.3%	46.7%	
<b>Race/Ethnicity</b>			
Non-Hispanic White	33.8%	37.3%	0.374
Other	66.2%	62.7%	
<b>Income (% FPL)</b>			
0-35% FPL	39.2%	38.3%	0.620
36-99% FPL	35.3%	38.9%	
100-133% FPL	25.5%	22.8%	
<b>Prosperity Region</b>			
Northern Michigan	18.3%	14.8%	0.342
Central Michigan	31.0%	27.5%	
Southern Michigan	20.4%	21.5%	
Detroit Metro	30.2%	36.2%	
<b>Interview language</b>			
Arabic	1.5%	0.7%	0.473
English	97.9%	99.3%	
Spanish	0.5%	0%	

### **Sampling plan**

There was no sampling plan implemented as all of those who consented to be recontacted were included in the 2017 HMV Follow-Up Survey call attempts.

**Table 2. Characteristics of the 2017 HMV Follow-Up Survey Respondents (n=3,104)**

	Prosperity Region <sup>22</sup>				
	UP/NW/NE	W/EC/E	SC/SW/SE	DET	Total
<b>Federal Poverty Level</b>					
0-35%	220	396	242	365	1,223
	7.1%	12.8%	7.8%	11.8%	39.4%
36-99%	182	361	238	305	1,086
	5.9%	11.6%	7.7%	9.8%	35.0%
≥100%	173	224	153	245	795
	5.6%	7.2%	4.9%	7.9%	25.6%
Total N complete	575	981	633	915	3,104
Total % complete	18.5%	31.6%	20.4%	29.5%	100.0%

### Survey response characteristics

The results of the 2017 HMV Follow-Up Survey call attempts to these 3,957 consenters are shown in Table 3. For various reasons, not everyone who consented ultimately participated in the 2017 HMV Follow-Up Survey. In some cases there was attempted contact but no response and some 2016 respondents were no longer considered eligible to participate.

**Table 3. 2017 HMV Follow-Up Survey call results**

Call Results	n	(%)
<b>Response</b>	<b>3104</b>	<b>75.6</b>
<b>Nonresponse</b>	<b>608</b>	<b>14.8</b>
Partial complete	6	0.1
Refusal	166	4.0
Noncontact/Other nonresponse	436	10.6
<b>Ineligible</b>	<b>394</b>	<b>9.6</b>
Not the correct number	105	2.6
Deceased	50	1.2
Unable to complete in English, Spanish or Arabic	2	0.0
Non-working phone number	88	2.1
Did not consent in 2016 to follow-up contact	149	3.6
<b>Total</b>	<b>4,106</b>	<b>100.0</b>

The 2017 HMV Follow-Up Survey response rate was 83.4% as 3,104 of 3,712 eligible enrollees completed the survey. This is considered a very high response rate for surveys of this nature<sup>23</sup>.

<sup>22</sup> Four grouped prosperity [regions in the state](#) (Upper Peninsula/North West/North East; West/East Central/East; South Central/South West/South East; Detroit)

<sup>23</sup> Holt, C. L., Le, D., Calvanelli, J., Huang, J., Clark, E. M., Roth, D. L., Williams, B., & Schulz, E. (2015). Participant retention in a longitudinal national telephone survey of African American men and women. *Ethnicity & Disease*, 25(2), 187-192.

We compare respondents and nonrespondents of the 2017 HMV Follow-Up Survey in Table 4 using weighted analysis with  $fu_{w_{4,i}}$ , as described in Appendix D. They were different in age, FPL, and language. Older HMV respondents (ages 50-64 years old) were more likely to respond to the 2017 HMV Follow-Up Survey than younger HMV respondents. FPL was negatively related to response. Respondents who completed the survey in English were more likely to participate in 2017.

**Table 4. Comparison of characteristics of 2017 HMV Follow-Up Survey respondents and nonrespondents using frame data**

Characteristics	Respondents N=3,104 (%)	Nonrespondents N=608 (%)	<i>p</i> value
<b>Age</b>			
19-34	40.1%	49.7%	<0.001
35-50	29.5%	30.0%	
51-64	30.5%	20.3%	
<b>Gender</b>			
Male	47.2%	48.7%	0.612
Female	52.8%	51.3%	
<b>Race/Ethnicity</b>			
Non-Hispanic White	60.3%	60.8%	0.881
Other	39.7%	39.2%	
<b>Income (% FPL)</b>			
0-35% FPL	53.1%	45.6%	0.018
36-99% FPL	27.7%	32.1%	
100-133% FPL	19.1%	22.3%	
<b>Prosperity Region</b>			
Northern Michigan	8.9%	9.4%	0.249
Central Michigan	29.3%	24.8%	
Southern Michigan	18.1%	20.5%	
Detroit Metro	43.7%	45.3%	
<b>Interview language (2016)</b>			
Arabic	0.8%	5.3%	<0.001
English	98.7%	93.6%	
Spanish	0.5%	1.2%	

## Weighting adjustment

Weights were calculated to adjust for the probability of selection (see Base Selection Weight, below), nonresponse bias (see Nonresponse Adjustment) and other adjustments (Nonworking Number adjustment, Unknown Eligibility adjustment, Known Eligibility adjustment) (see Appendix D for more detail).

## Analyses

We generated descriptive statistics for responses to all questions in the survey, and present the weighted percentages with 95% confidence intervals (CIs) in Appendix A. Weights were applied to the data to adjust for the probability of selection, nonresponse bias and other adjustments (see Appendix D). The proportions included in this report reflect how the results we observed would apply to the eligible population of HMP enrollees as described in the 2016 HMV Enrollee Survey Report. The number of individuals who responded to each survey question is noted in the tables in Appendix A. When N is less than 3,104, either some respondents missed that question or the question was part of a skip pattern and was therefore only asked of a subset of respondents based on their previous responses or based on whether respondents were still enrolled or no longer enrolled in HMP.

We examined bivariate associations with age, gender, race/ethnicity, FPL group, region, presence of a chronic condition (defined as those who reported any chronic condition in the 2016 HMV Enrollee Survey or the 2017 HMV Follow-Up Survey or those identified using claims data), and HMP enrollment status (still enrolled vs. no longer enrolled at the time of the 2017 survey) for all single-response closed-ended questions (see Appendix A). Additional analyses were conducted to examine change over time by comparing 2016 to 2017 responses, and to test for relationships or differences between selected variables and groups of interest, including analyses using claims data (see Appendix B).

For all analyses of bivariate and multivariate relationships, the types of analysis, models, variables included and how they are defined or measured are included in Appendices A-C of this report. The specific tests are described in the table footnotes.

### Claims data

Claims data were grouped into three 12-month periods, based on the enrollee's date of sampling for the 2016 HMV Enrollee Survey. Period 1 corresponds to the time period 12-24 months prior to sampling, Period 2 is 0-12 months prior to sampling, and Period 3 is 0-12 months post-sampling (see Appendix C). All claims-based variables combine data for all three periods unless otherwise noted.

## Results

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This section includes key findings from descriptive and multivariate analyses. Many results are not reported in text; see Appendix A and B for detailed tables presenting results from all analyses.

### Current and former enrollee characteristics

#### Demographics

Of the 2017 HMV Follow-Up Survey respondents, 76.8% were still enrolled in HMP (“current enrollees”) at the time of the survey and 23.2% were no longer enrolled in HMP (“former enrollees”) at the time of the survey (Appendix A Table 0.1).

The vast majority of current enrollees (91%) had been enrolled all 12 months since they were sampled in 2016; the remaining 8% had experienced at least one month not enrolled in HMP during that time. Among former enrollees at the time of the 2017 survey, the number of months not enrolled ranged from less than 1 to 12. The distribution of months enrolled was even across these former enrollees.

Nearly one in five current and former enrollees (19.9%) had incomes 100-133% FPL, while more than half (52.3%) had incomes between 0-35% FPL (Appendix A Table 0.1). Former enrollees were more likely than current enrollees to have an income, in their last month of HMP enrollment, of 36-99% FPL (32.7% vs. 26.2%) and to have an income of 100-133% FPL (26.5% vs. 17.9%) (Appendix A Table 0.2).

Over half of current and former enrollees (53.0%) were women (Appendix A Table 0.1). The majority of current and former enrollees (88.8%) had at least a high school diploma or equivalent (Appendix A Table 0.1).

More than one in ten current and former enrollees (12.2%) had housing insecurity (i.e., they had lived three or more places in the past 3 years) while 7.9% had been homeless in the last 12 months (Appendix A Table 0.1). Current and former enrollees age 19-34 were more likely than older age groups and former enrollees were more likely than current enrollees to have had housing insecurity (17.7% vs. 10.5%) (Appendix A Table 0.11).

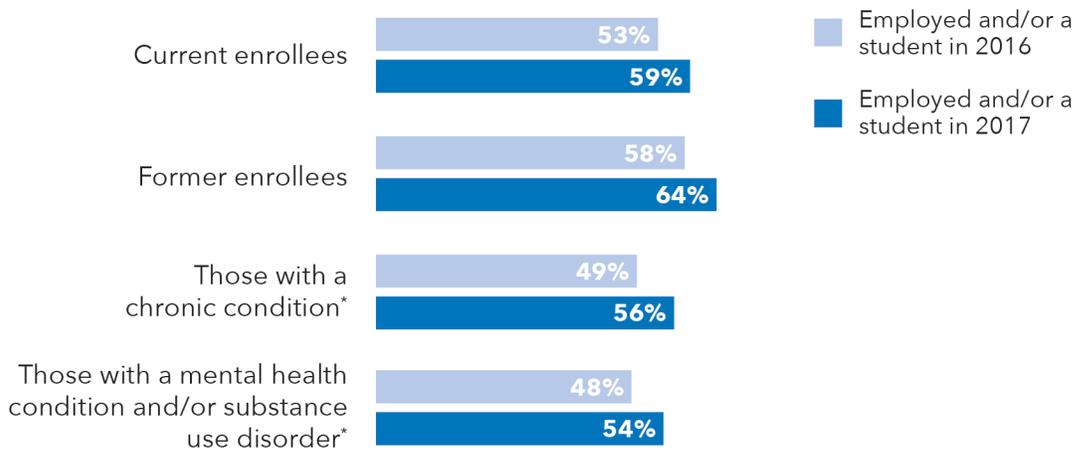
#### Employment

Over half of current and former enrollees (57.1%) were employed (Appendix A Table 0.4). Those with a chronic condition (defined as those who reported any chronic condition in the 2016 HMV Enrollee Survey or the 2017 HMV Follow-Up Survey or those identified using claims data) were less likely than those without such a condition to be employed (53.1% vs. 70.5%) (Appendix A Table 0.4). Those age 51-64 were less likely than younger age groups to be employed, and more likely, if they were working, to be working part-time (Appendix A Tables 0.4-0.4.1). Former enrollees were more likely than current enrollees to be employed (62.9% vs.

55.4%) and more likely, if employed, to be working full-time (69.2% vs. 41.6%) (Appendix A Tables 0.4-0.4.1).

The proportion of current and former enrollees who reported being employed/self-employed and/or a student increased from 2016 to 2017 (from 54.3% to 60.0%) (Appendix B Table 0.3.2). Increases were found in many subgroups, including current enrollees (from 53.1% to 58.7%), former enrollees (from 58.2% to 64.1%), current and former enrollees with a chronic condition (from 49.3% to 55.8%), and current and former enrollees with a mental health condition and/or substance use disorder (from 48.1% to 54.2%) (Appendix B Table 0.3.2).

**A greater percentage of current and former enrollees were employed and/or a student in 2017 compared to 2016.**



Note: \*Includes current and former enrollees

There was no statistically significant relationship between being employed in 2017 or reporting a positive employment-related outcome in 2017 (reporting that HMP “helped me do a better job at work”, “helped me get a better job”, or “has made me better able to look for a job”) and indicating improved health from 2016 to 2017 (Appendix B Tables 0.2.1, 0.5.1).

About one in five employed current and former enrollees (22.3%) reported changing jobs in the last 12 months (Appendix A Table 0.4.2). Those age 19-34 were more likely than older age groups and former enrollees were more likely than current enrollees to report changing jobs in the last 12 months (28.5% vs. 20.2%) (Appendix A Table 0.4.2).

Current and former enrollees who were not employed most often reported being unable to work (41.3%) or out of work (33.6%); fewer reported being retired (8.5%), or not looking for work at this time (16.6%) (Appendix A Table 0.4.3). Women were less likely than men to report being out of work (27.0% vs. 40.9%) and more likely to report not looking for work at this time (24.6% vs. 7.9%) (Appendix A Table 0.4.3). Those age 35-50 and age 50-64 were more likely than those age 19-34 to report being unable to work (Appendix A Table 0.4.3). Those with a chronic condition were more likely than those without to report being unable to work (45.5% vs. 19.0%) or retired (9.6% vs. 2.5%) and less likely to report being out of work (30.3% vs. 51.3%) or not

looking for work (14.6% vs. 27.3%) (Appendix A Table 0.4.3). Former enrollees were more likely than current enrollees to report being unable to work (49.2% vs. 39.3%) or retired (12.9% vs. 7.4%) and less likely to report being out of work (26.2% vs. 35.5%) or not looking for work (11.7% vs. 17.9%) (Appendix A Table 0.4.3).

About half (47.5%) of current and former enrollees out of work had been out of work for less than a year, while most of those who reported being unable to work (87.4%) had been unable to work for one year or more (Appendix A Tables 0.4.3.1-0.4.3.2). Most who reported being unable to work said that was due to poor health (52.9%) or disability (41.0%) (Appendix A Table 0.4.3.3).

### **Use of HMP to avoid insurance gaps**

Among employed current and former enrollees who had not changed jobs in the past 12 months, 80.1% indicated that HMP gave them insurance when they could not get insurance through their job (Appendix A Table 0.5).

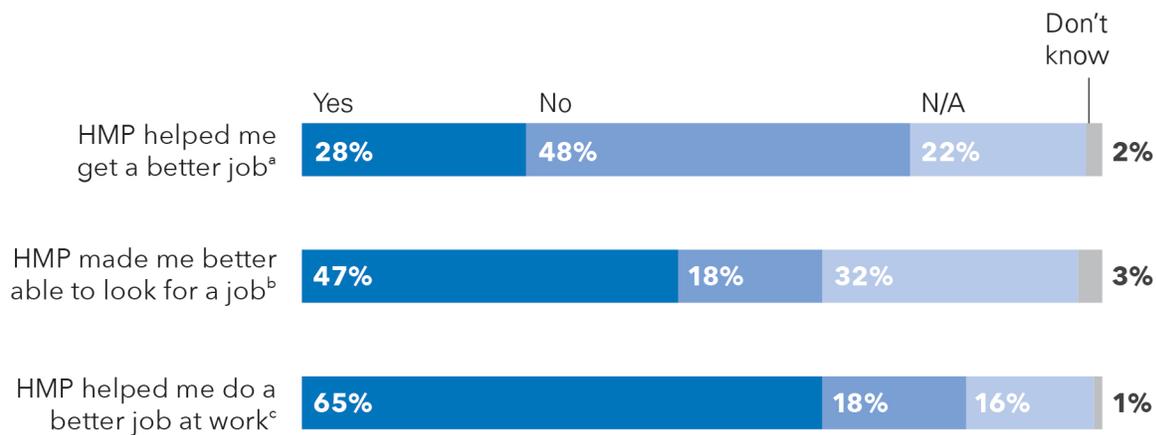
Among current and former enrollees in school, employed with a job change in the past 12 months, or not looking for work at this time, 77.4% reported that having HMP helped them stay insured between jobs or between school and a job (Appendix A Table 0.6).

### **Perspectives on the impact of HMP on employment-related outcomes**

Current and former enrollees reported that HMP had a positive impact on their employment and job seeking ability:

- Among those who were employed or retired for less than one year, and not currently a student, 64.8% reported that getting health insurance through HMP helped them do a better job at work (Appendix A Table 0.7). Current enrollees were more likely than former enrollees to report this (67.8% vs 56.0%) (Appendix A Table 0.7).
- Among those who were employed and changed jobs in the last 12 months, 27.9% reported that having health insurance through HMP helped them get a better job (Appendix A Table 0.8).
- Among those who were out of work, 46.9% reported that having health insurance through HMP has made them better able to look for a job (Appendix A Table 0.9).

Current and former enrollees reported that HMP had a **positive impact on their employment and job seeking ability.**



Notes: <sup>a</sup>Among those employed/self-employed who changed jobs in the last 12 months ; <sup>b</sup>Among those out of work; <sup>c</sup>Among those employed/self-employed or retired for less than one year and not currently a student

**Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.**

**Current health status**

About one in three current and former enrollees (36.4%) reported that their health was excellent or very good; 36.6% reported that their health was good, 20.9% reported that their health was fair, and 6.0% reported that their health was poor (Appendix A Table 1.1).

**Chronic health conditions**

At the time of the 2017 HMV Follow-Up Survey, three in four current and former enrollees (74.7%) reported having at least one chronic condition (Appendix A Table 1.10.1). The most commonly reported chronic conditions\* in 2017 were mood disorder (33.8%), hypertension (31.4%), and arthritis or a related condition (27.6%) (Appendix A Table 1.10.1). Other conditions reported included asthma (16.9%), diabetes (10.3%), or a heart condition or heart disease (9.8%) (Appendix A Table 1.10.1).

Current enrollees were more likely than former enrollees to have at least one chronic condition (78.3% vs. 71.7%) and to have two or more chronic conditions (53.6% vs. 46.6%) (Appendix B Tables 1.1.2-1.1.3).

\*Respondents were able to provide multiple responses to the survey question.

## Self-reported change in health

Most current and former enrollees reported that in the past year their physical health had improved (29.6%) or stayed the same (56.1%), their mental health had improved (28.4%) or stayed the same (58.6%), and their oral health had improved (21.0%) or stayed the same (60.7%) (Appendix A Tables 1.3, 1.5, 1.7). Those with a chronic condition were more likely than those without to report that their physical health got worse (17.4% vs. 2.9%), their mental health got worse (14.5% vs. 6.3%), and their oral health got worse (19.3% vs. 13.1%) (Appendix A Tables 1.3, 1.5, 1.7). Current enrollees were more likely than former enrollees to report improved physical health (31.4% vs. 23.8%) and improved oral health (22.8% vs. 15.1%) in the past year (Appendix A Tables 1.3, 1.7).

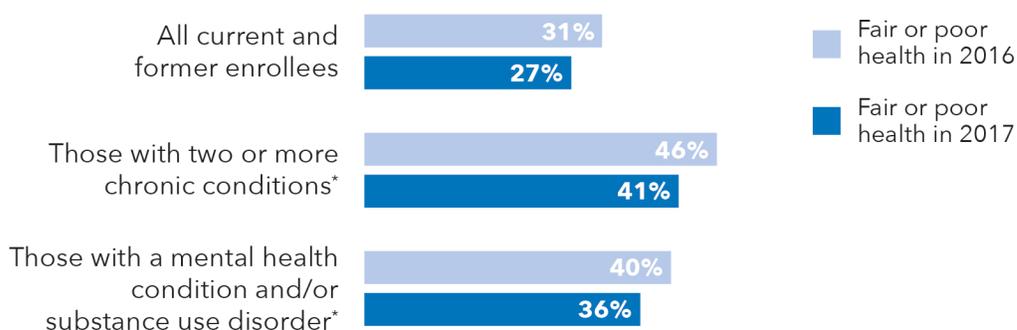
In multivariate analysis, current and former enrollees were less likely to report improved oral health in 2017 than they were in 2016 (adjusted odds ratio (aOR)=0.29) (Appendix B Table 1.8.2).

There was no statistically significant difference in the likelihood of reporting improved oral health in 2016 or 2017 between current enrollees and former enrollees (Appendix B Table 1.8.1). Former enrollees were more likely than current enrollees to report that their oral health got worse in 2017 (23.0% vs. 16.3%; aOR=1.67) (Appendix B Tables 1.8.6-1.8.7).

## Self-reported fair/poor health (change 2016-2017)

The proportion of current and former enrollees who reported fair/poor health decreased from 2016 to 2017 (from 30.7% to 27.0%; aOR=0.66) (Appendix B Tables 1.3.2-1.3.3). Decreases in the proportion reporting fair/poor health were found in many subgroups of current and former enrollees including those with a chronic condition (from 36.7% to 32.6%), those with two or more chronic conditions (from 45.6% to 40.9%), those with a mental health condition and/or substance use disorder (from 39.9% to 35.6%), and those with a mental health condition (from 40.8% to 36.1%) (Appendix B Table 1.3.2).

### Fewer current and former enrollees reported fair or poor health in 2017 compared to 2016.



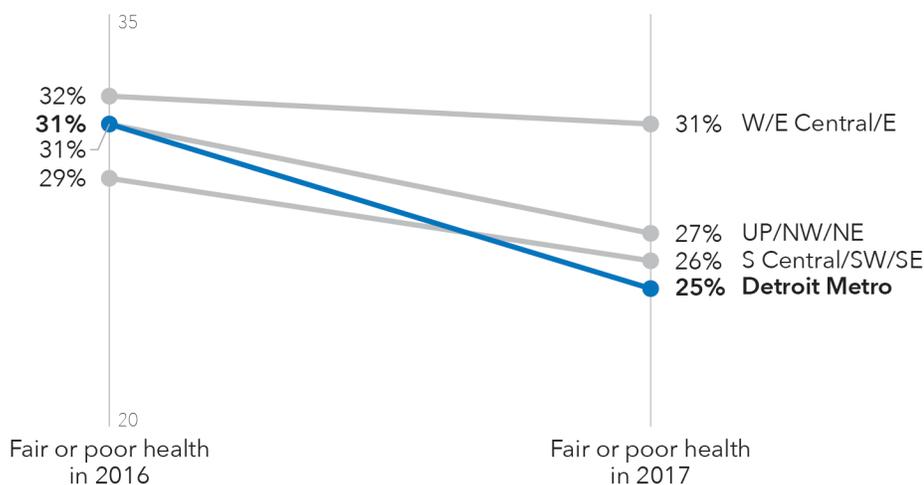
Note: \*Includes current and former enrollees

Current and former enrollees with a mental health condition and/or substance use disorder were more likely than those without (12.7% vs. 9.0%) to have reported fair/poor health in 2016 but not in 2017 (Appendix B Table 1.4.1).

The proportion of current and former enrollees who reported fair/poor health decreased from 2016 to 2017 in subgroups with various chronic disease subgroups including: asthma (from 43.2% to 37.0%), diabetes (from 46.8% to 44.6%), and hypertension (from 43.0% to 38.0%) (Appendix B Table 1.3.6).

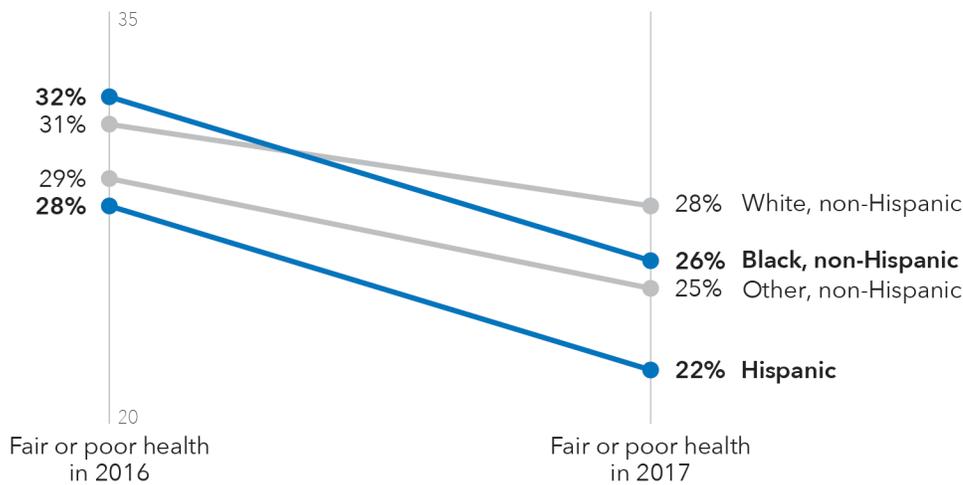
The proportion of former enrollees who reported fair/poor health increased from 2016 to 2017 in subgroups with various chronic disease subgroups including: arthritis (from 42.9% to 45.4%), cancer (from 52.7% to 56.6%), COPD (from 49.8% to 52.0%), and heart disease (from 48.3% to 50.7%) (Appendix B Table 1.3.6).

The change in the percentage of current and former enrollees reporting fair or poor health **varied by region with the biggest decrease in the Detroit Metro area.**



The largest decreases in reports of fair/poor health from 2016 to 2017 were observed in current and former enrollees who were Hispanic (from 28.3% to 21.5%), non-Hispanic Black (from 31.5% to 26.0%), from the Detroit Metro area (from 30.7% to 24.9%), and with an income 0-35% FPL (from 37.6% to 32.3%) (Appendix B Table 1.3.1).

The change in the percentage of current and former enrollees reporting fair or poor health **varied by race/ethnicity with the biggest decrease among those who were Black and Hispanic.**



### Days poor physical health (change 2016-2017)

The mean number of days of poor physical health in the month prior to survey completion among current and former enrollees decreased from 2016 to 2017 (from 6.9 to 5.7) (Appendix B Table 1.5.2).

This decrease in days of poor physical health was also seen in various subgroups including both current enrollees (from 7.0 to 5.6) and former enrollees (from 6.8 to 5.8), those with a chronic condition (from 8.2 to 6.8), those with two or more chronic conditions (from 9.9 to 8.5), those with a mental health condition and/or substance use disorder (from 9.1 to 7.6), those with a mental health condition (from 9.5 to 8.0), and those with a substance abuse disorder (from 10.0 to 8.1) (Appendix B Table 1.5.2).

The mean number of days of poor physical health for current and former enrollees decreased from 2016 to 2017 among all chronic disease subgroups including: asthma, arthritis, cancer, COPD, diabetes, hypertension, and heart disease (Appendix B Table 1.5.6).

### Days poor mental health (change 2016-2017)

There was no statistically significant decrease in the mean number of days of poor mental health in the month prior to survey completion among current and former enrollees from 2016 to 2017 (Appendix B Tables 1.6.2-1.6.3).

### Days missed due to poor physical/mental health (change 2016-2017)

There was no statistically significant decrease, from 2016 to 2017, in the mean number of days, in the month prior to the survey, during which poor physical/mental health kept them from doing usual activities (Appendix B Tables 1.7.2-1.7.3).

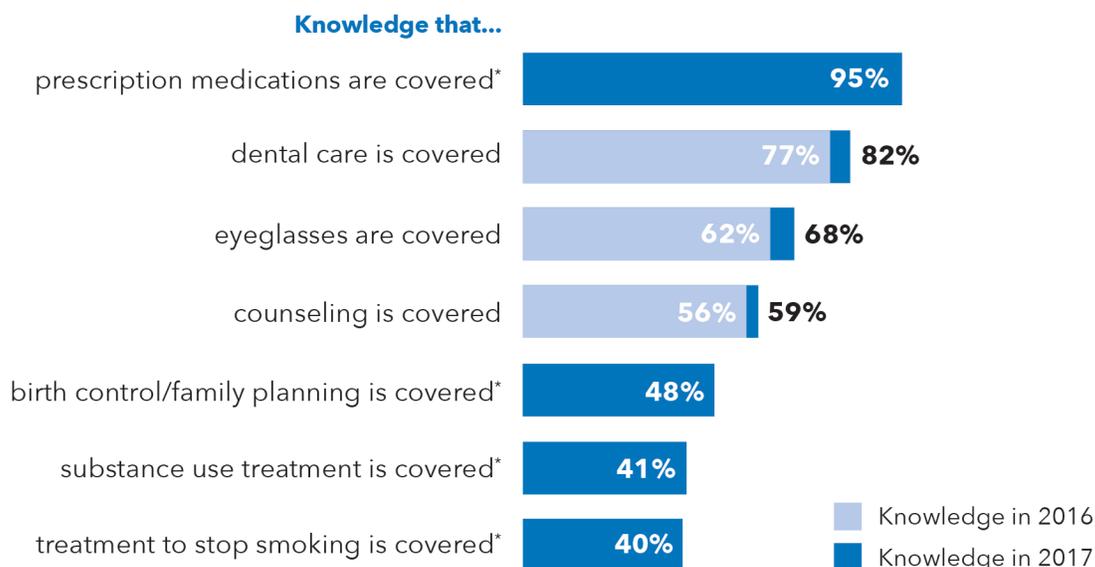
## Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.

### Knowledge of HMP covered benefits

The majority of current enrollees knew that HMP covers prescription medications (95.1%), dental care (81.6%), eyeglasses (67.9%), and counseling for mental or emotional problems (58.8%) (Appendix A Tables 2.1-2.3, 2.6). Nearly half knew that HMP covers birth control or family planning (48.1%) (Appendix A Table 2.5). Less than half knew that HMP covers substance use treatment (41.4%) and treatment to stop smoking (39.7%) (Appendix A Tables 2.4, 2.7).

In 2017 compared to 2016, current enrollees were more likely to know that dental care is covered by HMP (81.6% vs. 77.0%; aOR=1.51) and that eyeglasses are covered by HMP (67.9% vs. 61.5%) (Appendix B Tables 2.1.1-2.1.2).

There is room for improvement in current enrollees' **knowledge of some HMP covered benefits.**



Note: \*Question was not asked in 2016

### Knowledge of HMP cost-sharing requirements and healthy behavior rewards

Nearly one in three current enrollees (31.3%) were aware that there is a limit or maximum on the amount they might have to pay each year for HMP while more than half (52.2%) were unsure (Appendix A Table 2.14). Those with an income 0-35% FPL were less likely than those with higher incomes to know that there is limit on the amount they might have to pay (Appendix A Table 2.14).

When asked whether they could get a reduction in the amount they have to pay if they complete a health risk assessment, 27.5% of current enrollees said yes, while 60.4% said they did not know (Appendix A Table 2.9). Awareness of getting a payment reduction for completing the HRA was greater among men compared to women (31.1% vs. 24.3%) and among those with an income 100-133% FPL compared to those with lower incomes (Appendix A Table 2.9).

The majority of current enrollees (72.4%) were aware that some kinds of visits, tests, and medicines have no copays (Appendix A Table 2.10). However, current enrollees were slightly less likely in 2017 than in 2016 to know that some visits, tests, and medicines have no copays (72.4% vs. 76.5%) (Appendix B Table 2.3.1).

Nearly one in three current enrollees (32.6%) erroneously thought they could be disenrolled from HMP for not paying their bill and half (50.8%) were unsure (Appendix A Table 2.8). Those with an income 100-133% were more likely than those with lower incomes to believe they could be disenrolled for this reason (Appendix A Table 2.8). Current enrollees were more likely in 2017 than in 2016 to know that they cannot be dropped from HMP for not paying (16.6% vs. 13.3%) (Appendix B Table 2.3.1).

### **Experiences with MI Health Account**

Most current enrollees (78.4%) reported that they received a MI Health Account statement in the past year (Appendix A Table 2.11). Those with lower incomes were less likely to report receiving a MI Health Account statement (Appendix A Table 2.11). Among current enrollees who reported receiving a MI Health Account statement in the past year, 84.8% strongly agreed or agreed that they carefully review each statement to see how much they owe, 82.6% strongly agreed or agreed that the statements help them be more aware of the cost of health care, and 31.0% strongly agreed or agreed that the information in the statement led them to change some of their health care decisions (Appendix A Tables 2.11.1-2.11.3). Enrollees age 19-34 were less likely than older enrollees to agree with these views (Appendix A Tables 2.11.1-2.11.3). Current enrollees who were non-Hispanic White and those with an income 36-99% FPL were the least likely to agree that the information in the statement led them to change some of their health care decisions (Appendix A Table 2.11.3).

Current enrollees were more likely to recall having received a MI Health Account statement in 2017 compared to 2016 (78.4% vs. 72.3%) (Appendix B Table 2.4.1). However, current enrollees who received a statement were less likely in 2017 compared to 2016 to strongly agree or agree that they carefully review MI Health Account statements (84.8% vs. 89.3%) and that MI Health Account statements help them be aware of health care costs (82.6% vs. 88.3%) (Appendix B Table 2.4.1).

### **Perspectives on cost-sharing**

The majority of current enrollees strongly agreed or agreed that the amount they have to pay for HMP overall seems fair (84.1%) and the amount they pay for HMP is affordable (86.7%) (Appendix A Tables 2.12-2.13).

The majority of current and former enrollees strongly agreed or agreed that getting discounts on copays and premiums as a reward for working on improving your health is a good idea (91.0%) and that everyone should have to pay something for their health care (53.7%) (Appendix A Tables 2.20-2.21).

In 2017 compared to 2016, current enrollees were less likely to strongly agree or agree that the amount they have to pay overall for HMP seems fair (84.1% vs. 88.7%) and that the amount they have to pay for HMP is affordable (86.7% vs. 90.1%) (Appendix B Table 2.6.1).

### **Perspectives on HMP coverage**

The majority of all current and former enrollees (97.3%) strongly agreed or agreed that it is very important for them personally to have health insurance (Appendix A Table 2.19).

Most current enrollees strongly agreed or agreed that having HMP has taken a lot of stress off them (91.4%) and that without HMP they would not be able to go to the doctor (88.5%) or the dentist (83.6%); those with a chronic condition were more likely than those without to strongly agree or agree with these statements (Appendix A Tables 2.15-2.17).

Current enrollees were more likely in 2017 than in 2016 to strongly agree or agree that having HMP has taken away a lot of stress (91.4% vs. 87.9%) and that without HMP they would not be able to go to the doctor (88.4% vs. 84.3%) (Appendix B Table 2.8.1).

### **Questions or problems using HMP**

Few current enrollees (11.0%) reported that they had questions or problems using their HMP coverage in the last 12 months (Appendix A Table 2.18). Among those who had questions or problems, the most commonly reported challenges\* included: needing a service that was not covered (34.0%), difficulty/inability finding a provider (30.5%), and difficulty finding out information about HMP (24.7%) (Appendix A Table 2.18.1).

Current enrollees were less likely to report any questions or problems using HMP in 2017 compared to 2016 (11.0% vs. 15.6%) (Appendix B Table 2.9.1).

### **Perspectives on the Medicaid program**

About half of all current and former enrollees (51.6%) strongly agreed or agreed that doctors treat people on Medicaid the same as people with private insurance, while 27.7% disagreed or strongly disagreed (Appendix A Table 2.22). Former enrollees were more likely than current enrollees to disagree or strongly disagree with this statement (34.7% vs. 25.7%) (Appendix A Table 2.22).

Most current and former enrollees (87.7%) strongly agreed or agreed that Medicaid helps people get a “leg-up” when they really need it (Appendix A Table 2.23). Current and former

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\*Respondents were able to provide multiple responses to the survey question.

enrollees who were non-Hispanic Black and those who were Hispanic agreed less with this statement (Appendix A Table 2.23).

Less than half of all current and former enrollees (41.9%) strongly agreed or agreed that many people on Medicaid do not want other people to know (Appendix A Table 2.24). Those who were older, non-Hispanic White, live in the UP/NW/NE region, and those who had higher incomes were more likely to agree with this statement, while those living in the Detroit Metro region agreed less (Appendix A Table 2.24).

Nearly half of all current and former enrollees (49.5%) strongly agreed or agreed that a lot of people in this country do not respect those on Medicaid (Appendix A Table 2.25). Those who were older, female, non-Hispanic White, live in the UP/NW/NE region, and those who have a chronic condition were more likely to agree with this statement, while those living in the Detroit Metro region agreed less (Appendix A Table 2.25). Former enrollees agreed more with this statement than current enrollees (Appendix A Table 2.25).

Most current and former enrollees (69.6%) disagreed or strongly disagreed that there should be a limit on how long someone can be covered by Medicaid (Appendix A Table 2.26). Those who were Hispanic were less likely to disagree with this statement (Appendix A Table 2.26).

Two in five former enrollees (40.6%) strongly agreed or agreed that many people are treated poorly when they are applying for Medicaid (Appendix A Table 2.27). Those living in the UP/NW/NE region were less likely to agree with this statement (Appendix A Table 2.27).

### **Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.**

#### **Change in providers since HMP coverage ended**

Among former enrollees, approximately one in six (15.5%) reported having to change one or more of their providers since their HMP coverage ended (Appendix A Table 3.4). Those who had to change one or more providers most commonly reported having to change their primary care provider (69.6%) (Appendix A Table 3.4.1).

#### **Forgone health care**

##### *Current Enrollees*

Few current enrollees (7.8%) reported not getting the health care they needed in the last 12 months (Appendix A Table 3.1). Among current enrollees who reported not getting the health care they needed:

- The most commonly reported types of forgone health care\* were primary care (43.2%) and specialty care (28.3%); prescription medications was mentioned by 20.5% and mental health care by 9.2% (Appendix A Table 3.1.1).

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\*Respondents were able to provide multiple responses to the survey question.

- The most commonly reported reason for not getting the health care they needed\*, regardless of the type of health care, was difficulty getting an appointment (25.7%); 15.5% reported needing a service that was not covered and 36.3% reported other reasons (Appendix A Table 3.1.1.1).

Individuals with a chronic condition were more likely than those without to report forgone health care in the last 12 months (9.1% vs. 2.8%; aOR=4.07) (Appendix B Tables 3.1.1, 3.1.5).

Individuals with a mental health condition were more likely than those without to report forgone health care in the last 12 months (10.7% vs. 4.9%; aOR=2.37) (Appendix B Tables 3.1.3, 3.1.5).

Individuals with a substance use disorder were more likely than those without to report forgone health care in the last 12 months (13.6% vs. 6.2%; aOR=2.53) (Appendix B Tables 3.1.4-3.1.5).

### *Former Enrollees*

About one in six former enrollees (17.1%) reported not getting the health care they needed since their HMP coverage ended (Appendix A Table 3.5). Among former enrollees who reported not getting the health care they needed:

- The most commonly reported types of forgone health care\* were primary care (46.2%), prescription medications (25.0%), and specialty care (16.2%) (Appendix A Table 3.5.1).
- The most commonly reported reasons for not getting the health care they needed\*, regardless of the type of health care, were no insurance coverage (45.5%) and cost (36.0%) (Appendix A Table 3.5.1.1).

In multivariate analysis limited to former enrollees, individuals with Medicaid coverage (aOR=0.25) or private insurance from an employer (aOR=0.12) were much less likely than individuals who were uninsured to report forgone health care since their HMP coverage ended (Appendix B Table 3.1.7).

### *Comparing Current and Former Enrollees*

Former enrollees were more likely than current enrollees to report forgone health care (in the last 12 months for current enrollees or since HMP coverage ended for former enrollees) (17.1% vs. 7.8%) (Appendix B Table 3.1.8).

Current enrollees were less likely than former enrollees to report forgone health care due to financial reasons (in the last 12 months for current enrollees or since HMP coverage ended for former enrollees) (1.6% vs. 13.5%; aOR=0.09) (Appendix B Tables 3.2.1-3.2.2).

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\*Respondents were able to provide multiple responses to the survey question.

Current enrollees were less likely than former enrollees with private insurance to report forgone health care due to financial reasons (in the last 12 months for current enrollees or since HMP coverage ended for former enrollees) (1.6% vs. 4.9%; aOR=0.25) (Appendix B Tables 3.2.3-3.2.4).

## Forgone dental care

### *Current Enrollees*

One in six current enrollees (16.4%) reported not getting the dental care they needed in the last 12 months (Appendix A Table 3.2). Those with a mental health condition were more likely than those without to report forgone dental care in the last 12 months (19.6% vs. 13.3%) (Appendix B Table 3.3.1). Among current enrollees who reported not getting the dental care they needed, the most commonly reported reasons for not getting the dental care they needed\* were needing a service that was not covered (30.7%) and difficulty/inability finding a provider (21.5%); 13.1% reported cost as a reason (Appendix A Table 3.2.1). Among current enrollees, individuals who knew that HMP covers dental care were less likely than others to report forgone dental care in the last 12 months (15.0% vs. 23.0%; aOR=0.57) (Appendix B Tables 3.3.3-3.3.4).

In multivariate analyses limited to current enrollees, individuals with a chronic condition (aOR=1.45) or a mental health condition (aOR=1.60) were more likely than individuals without these conditions to report forgone dental care in the last 12 months (Appendix B Table 3.3.5).

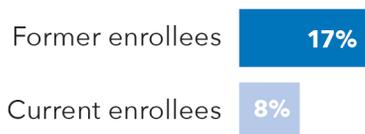
### *Former Enrollees*

Nearly one in four former enrollees (23.3%) reported not getting the dental care they needed since their HMP coverage ended (Appendix A Table 3.6). Among former enrollees who reported not getting the dental care they needed, the most commonly reported reasons for not getting the dental care they needed\* were no insurance coverage (46.1%) and cost (23.8%) (Appendix A Table 3.6.1).

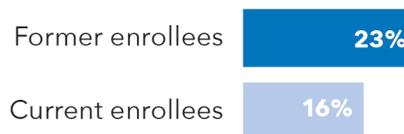
### *Comparing Current and Former Enrollees*

Former enrollees were more likely than current enrollees to report forgone dental care (in the last 12 months for current enrollees or since HMP coverage ended for former enrollees) (23.3% vs. 16.4%; aOR=1.58) (Appendix B Tables 3.3.6-3.3.7).

**Former enrollees were more likely to report forgone health care** compared to current enrollees.



**Former enrollees were more likely to report forgone dental care** compared to current enrollees.



\*Respondents were able to provide multiple responses to the survey question.

## Out-of-pocket costs

In the last 12 months, 65.7% of current enrollees spent less than \$50 out-of-pocket for their own medical and dental care (Appendix A Table 3.3).

**Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.**

## Health behaviors and health education

### *Exercise*

More than one in four current enrollees (28.4%) reported exercising for at least 20 minutes every day in the last 7 days, and another 34.3% reported exercising for at least 20 minutes for 3-6 of the last 7 days (Appendix A Table 4.1). Those age 51-64 were more likely than younger enrollees to report exercising every day while those age 19-34 were more likely than older enrollees to report exercising 3-6 of the last 7 days (Appendix A Table 4.1).

About half of current enrollees (46.2%) reported talking with a health professional about exercise (Appendix A Table 4.4). Current enrollees with a chronic condition were more likely than those without to report this (50.5% vs. 30.5%) (Appendix A Table 4.4).

Among current enrollees, there was no statistically significant relationship between increased or maintained exercise frequency from 2016 to 2017 and completion of an HRA (Appendix B Table 4.2.2). This was also true for current enrollees with a chronic condition and those with a mental health condition and/or substance use disorder (Appendix B Tables 4.2.3, 4.2.5-4.2.7).

### *Diet/nutrition*

About half of current enrollees (46.4%) reported talking with a health professional about diet/nutrition (Appendix A Table 4.5). Women were more likely than men (50.1% vs. 42.0%) and current enrollees with a chronic condition were more likely than those without to report this (51.0% vs. 29.4%) (Appendix A Table 4.5).

Over half of current enrollees (54.0%) reported drinking sugary drinks two or fewer days in the last 7 days (Appendix A Table 4.2). Those age 51-64 were the most likely (43.4%) to report 0 days of sugary drink consumption in the last 7 days (Appendix A Table 4.2).

From 2016 to 2017, sugary drink consumption decreased for more than one in three current enrollees (35.0%), increased for 25.1% of current enrollees, and stayed the same for 39.9% (Appendix B Table 4.3.1).

Among current enrollees, there was no statistically significant relationship between a change in sugary drink consumption from 2016 to 2017 and discussing diet/nutrition with a health professional in 2016 or 2017 or having an outpatient visit (Appendix B Table 4.3.1).

Among current enrollees, there was no statistically significant relationship between decreased or maintained sugary drink consumption from 2016 to 2017 and completion of an HRA (Appendix B Table 4.3.2). This was also true for current enrollees with a chronic condition and those with a mental health condition and/or a substance use disorder (Appendix B Tables 4.3.3, 4.3.5-4.3.7).

One in three current enrollees (33.9%) reported eating 3 or more servings of fruit and vegetables every day in the last 7 days (Appendix A Table 4.3). Men were more likely than women to report 0 days of eating 3 or more servings of fruit and vegetables (17.3% vs. 8.6%) (Appendix A Table 4.3).

Among current enrollees, those who completed an HRA were more likely than those who did not to have increased or maintained fruit and vegetable consumption from 2016 to 2017 (48.2% vs. 42.3%); this was also true among various subgroups including current enrollees with a chronic condition (48.3% vs. 42.3%) and current enrollees with a substance use disorder (54.9% vs. 41.8%) (Appendix B Tables 4.4.1-4.4.2, 4.4.6).

### *Alcohol use*

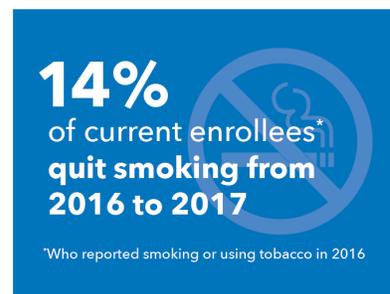
Few current enrollees (6.6%) reported binge drinking three or more days in the last 7 days (Appendix A Table 4.6). Among those who reported any binge drinking in the last 7 days, 33.1% reported talking with a health professional about safe alcohol use (Appendix A Table 4.6.1).

About half of current enrollees (52.6%) who reported binge drinking in 2016 decreased their frequency of binge drinking between 2016 and 2017 (Appendix B Table 4.5.1). This was more likely if they had an outpatient visit (55.3% vs. 23.4%) (Appendix B Table 4.5.1). There was no statistically significant relationship between decreasing frequency of binge drinking and completion of an HRA (Appendix B Tables 4.5.2-4.5.7).

### *Tobacco use*

About one in three current enrollees (36.4%) reported smoking or using tobacco in the last 30 days (Appendix A Table 4.7). Those with an income 0-35% FPL were more likely than those with higher incomes and current enrollees with a chronic condition were more likely than those without to report smoking or using tobacco in the last 30 days (Appendix A Table 4.7). Among those who reported smoking or using tobacco in the last 30 days, 71.9% reported wanting to quit (Appendix A Table 4.7.1). Of those who said they would like to quit smoking or using tobacco, 91.0% reported working on quitting or cutting back (Appendix A Table 4.7.1.1). Among those who reported smoking or using tobacco in the last 30 days and wanting to quit, over half (52.2%) reported receiving advice or assistance from a health professional or their health plan on how to quit or cut back in the last 12 months (Appendix A Table 4.7.2).

Among current enrollees who reported smoking or using tobacco in 2016, 14.4% quit smoking or using tobacco from 2016 to 2017 (Appendix B Table 4.6.1). There was no statistically significant relationship between quitting smoking or using tobacco from 2016 to 2017 and completion of an HRA (Appendix B Table 4.6.1).



### *Drug use*

Few current enrollees (5.4%) reported using drugs or medications in the last 30 days to affect mood or aid in relaxation (Appendix A Table 4.8). This proportion was not statistically different from the proportion in 2016 (6.1%) (Appendix B Table 4.8.1). Among those who reported using drugs or medications to affect mood or aid in relaxation, 49.9% used these drugs or medications almost every day (Appendix A Table 4.8.1). Among those who used drugs sometimes or almost every day, 43.8% reported speaking with a health professional about the use of these drugs or medications (Appendix A Table 4.8.1.1).

Among all current enrollees, those who completed an HRA were less likely than those who did not complete an HRA to report using drugs in the last 30 days (3.9% vs. 6.5%); this was also true among various subgroups including current enrollees with a chronic condition (4.4% vs. 7.3%), current enrollees with a mental health condition and/or substance use disorder (5.2% vs. 8.5%), and current enrollees with a mental health condition (4.9% vs. 8.1%) (Appendix B Tables 4.7.1-4.7.2, 4.7.4-4.7.5).

### **Health risk assessment**

#### *Self-reported HRA discussion*

Nearly half of current enrollees (45.9%) said they discussed the HRA with their doctor or someone at their primary care provider's office in the last year (Appendix A Table 4.9).

Among current enrollees who reported discussing the HRA with their doctor or someone at their primary care provider's office, 88.5% chose to work on at least one health behavior (Appendix A Table 4.9.1). The most common behaviors\* that current enrollees chose to work on were related to nutrition/diet (38.6%), exercise/activity (33.9%), reducing/quitting tobacco use (14.4%), and losing weight (13.3%) (Appendix A Table 4.9.1). Current enrollees were asked why they chose the healthy behavior they did and were able to provide multiple reasons. For these chosen health behaviors, the majority (between 71.2% and 82.7%) said they chose this behavior because it was something that they wanted to do anyway (Appendix A Table 4.9.1.1). Other reasons they reported were because the doctor suggested it (25.4% to 31.4%) or because it would help them improve their condition (4.6% to 16.1%) (Appendix A Table 4.9.1.1).

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\*Respondents were able to provide multiple responses to the survey question.

### *HRA completion with physician attestation*

Current enrollees were more likely than former enrollees to have a completed HRA with physician attestation recorded in the data warehouse (43.9% vs. 28.8%) (Appendix B Table 4.9.1). Among current enrollees, those that had a PCP visit were much more likely than those who did not to have completed an HRA (46.6% vs. 8.2%) (Appendix B Table 4.9.2).

### **Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.**

#### **Regular source of care**

##### *Current enrollees*

Nearly all current enrollees (93.8%) reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health in the last 12 months (Appendix A Table 5.1). Those with a chronic condition were more likely than those without to report having a regular source of care in the last 12 months (95.7% vs. 86.8%) (Appendix A Table 5.1). Among current enrollees who reported having a place they would go for health care in the last 12 months, 69.7% reported a doctor's office, 20.5% a clinic, 6.1% an urgent care/walk-in clinic, and 2.6% reported the emergency room (ER) as their regular source of care (Appendix A Table 5.1.1).

Current enrollees who reported a PCP visit in the past 12 months were much less likely than those who did not to report having the ER or urgent care as a regular source of care in the last 12 months (2.4% vs. 15.0%) (Appendix B Table 5.2.5).

Among current enrollees who reported going to a doctor's office or clinic for their health care, 96.7% said this was their primary care provider (PCP) through their HMP coverage (Appendix A Table 5.1.2.1). Among all current enrollees, 93.9% reported having a PCP (Appendix A Table 5.1.3).

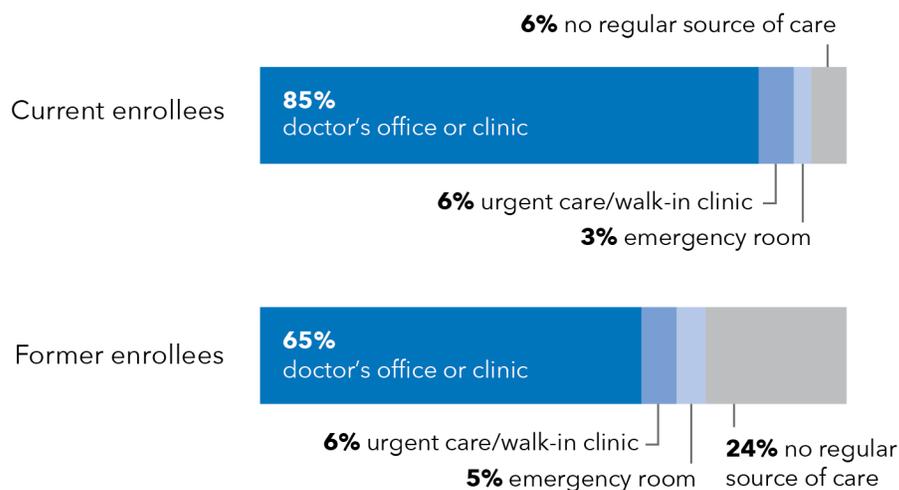
Among current enrollees who indicated they have a PCP, 82.6% reported that they had the same PCP as when they were surveyed last year (Appendix A Table 5.2). Among those who did not have the same PCP as last year, the most common reason current enrollees reported for changing their PCP were wanting a new PCP (32.5%), their PCP office moved or closed (19.0%), and their PCP retired (10.2%); 7.3% reported that the reason was because their PCP no longer accepted Medicaid (Appendix A Table 5.2.1).

##### *Former enrollees*

Three fourths of former enrollees (76.5%) reported having a place they would usually go when they need a checkup, feel sick, or want advice about their health since their HMP coverage ended (Appendix A Table 5.4). Those with a chronic condition were more likely than those without to report having a regular source of care in the last 12 months (80.6% vs. 66.0%) (Appendix A Table 5.4). Among former enrollees who reported having a place they would go

for health care since their HMP coverage ended, 62.5% reported a doctor’s office, 21.2% a clinic, 7.9% an urgent care/walk-in clinic, and 5.7% reported the ER as their regular source of care (Appendix A Table 5.4.1). Former enrollees who were non-Hispanic White were the most likely to report a doctor’s office as their regular source of care (Appendix A Table 5.4.1). Men were more likely than women to report the ER as their regular source of care (8.8% vs. 2.6%) (Appendix A Table 5.4.1). Among former enrollees who reported going to a doctor’s office or clinic for their primary health care, 78.7% reported still going to their HMP PCP (Appendix A Table 5.4.2.1).

Current enrollees were more likely than former enrollees **to have a regular source of care** and to report that it was a doctor’s office or clinic.



### Primary care utilization

The majority of current enrollees (85.6%) reported seeing their PCP in the past 12 months (Appendix A Table 5.3). Those with a chronic condition were more likely than those without to report seeing their PCP (88.9% vs. 73.2%) (Appendix A Table 5.3). Among those who reported not seeing their PCP in the past 12 months, the most common reason\* given was that they were healthy and did not need to see a provider (57.0%) (Appendix A Table 5.3.1).

Most current enrollees (70.8%) said it was very easy or easy to get an appointment to see their PCP in the past 12 months (Appendix A Table 5.6). Among those who said it was difficult or very difficult to get an appointment, the most common reason\* was difficulty getting an appointment soon enough (77.2%) (Appendix A Table 5.6.1).

Nearly all current enrollees had a claim for a primary care visit (92.9%) (Appendix B Table 5.1.1). In multivariate analysis limited to current enrollees, current enrollees with a mental health condition and/or substance use disorder had a greater number of primary care visits than those without such disorders (Appendix B Table 5.2.4).

\*Respondents were able to provide multiple responses to the survey question.

## Preventive services utilization

Nearly all current enrollees had a claim for at least one preventive service (92.4%) (Appendix B Table 5.1.1). Half of current enrollees (50.0%) (not restricted by age or gender) had a claim for cancer screening (Appendix B Table 5.1.1).

- 59.0% of women received cervical cancer screening
- 75.4% of women over age 50 received breast cancer screening
- 45.6% of current enrollees over age 50 had colorectal cancer screening

Among current enrollees with diabetes and/or heart disease, 42.0% had a prescription for a statin (Appendix B Table 5.1.2).

Among current enrollees who reported using tobacco in 2016 or 2017, 28.1% had a prescription for nicotine replacement and/or varenicline (Appendix B Table 5.1.3).

In multivariate analysis, the number of preventive services received by current enrollees was greater for those who:

- Reported having a PCP visit in the past 12 months compared to those who did not
  - Completed an HRA compared to those who did not
  - Reported discussing the HRA with a provider in the last year compared to those who did not
  - Had better knowledge of HMP covered benefits and costs
  - Had a greater number of primary care visits
- (Appendix B Tables 5.1.10-5.1.12)

In multivariate analysis limited to current enrollees, there were no statistically significant associations between the number of preventive services received by current enrollees and their knowledge of fee reductions for completing an HRA or agreeing that MI Health Account statements led them to change health care decisions (Appendix B Tables 5.1.10, 5.1.12).

## Dental care utilization

Over half of current enrollees (54.4%) reported getting dental care in the last 12 months (Appendix A Table 5.5). Women were more likely than men to report getting dental care (59.2% vs. 48.9%) (Appendix A Table 5.5). Those with a chronic condition were less likely than those without (52.8% vs. 60.3%) and those age 51-64 less likely than younger enrollees to report getting dental care (Appendix A Table 5.5).

Two in three current enrollees (67.4%) had a claim for at least one dental visit (Appendix B Table 5.1.1). Among current enrollees, those who knew that dental care is covered by HMP were much more likely than those who did not know dental care is covered to have had a dental visit (74.7% vs. 35.1%; aOR=5.46) (Appendix B Tables 5.3.2-5.3.3). There was no statistically significant relationship between having a dental visit and remaining enrolled in HMP coverage in 2017 (Appendix B Table 5.3.1).

## Self-reported emergency room use

One in three current enrollees (33.3%) reported going to the ER for care in the past 12 months (Appendix A Table 5.8). Women were more likely than men (37.4% vs. 28.5%) and those with a chronic condition were more likely than those without to report going to the ER in the past 12 months (37.9% vs. 16.6%) (Appendix A Table 5.8). Among current enrollees who reported going to the ER in the past 12 months, they could report multiple reasons for doing so; 70.9% reported that they went to the ER because it is the closest place to receive care, 66.3% reported that their doctor's office or clinic was not open, 55.6% reported that the problem was too serious for a doctor's office or clinic, 40.3% reported that they needed to get care at a time when they would not miss work or school, 23.5% reported that they went to the ER because they get most of their care at the ER, and 15.0% reported arriving to the ER by ambulance (Appendix A Tables 5.8.3.1-5.8.3.6).

About one in five former enrollees (21.0%) reported going to the ER for care since their HMP coverage ended (Appendix A Table 5.7). Former enrollees with a chronic condition were more likely than those without to report going to the ER since their HMP coverage ended (24.0% vs. 13.4%) (Appendix A Table 5.7).

Among those who reported an ER visit, nearly one in five current and former enrollees (19.1%) tried to contact their usual provider's office before going to the ER (Appendix A Table 5.8.1). Women were more likely than men to report this (23.5% vs. 12.5%) (Appendix A Table 5.8.1). Of those current and former enrollees who tried to contact their usual provider's office before going to the ER, 76.5% reported talking to someone (Appendix A Table 5.8.1.1). Among those who talked to someone from their provider's office before going to the ER, the most common reason\* for going to the ER was because they were told to go to the ER (63.2%) (Appendix A Table 5.8.2).

Among current enrollees, those who reported a PCP visit in the past 12 months were more likely than those who did not to say they tried to contact their PCP before going to the ER (21.3% vs. 8.4%) (Appendix B Table 5.4.1).

Current enrollees were more likely than former enrollees to report an ER visit in 2016 or 2017 (50.2% vs. 44.1%); this was also true among those with a chronic condition (54.8% vs. 46.9%), those with a mental health condition and/or substance use disorder (63.2 vs 52.8%), and those with a chronic condition and a mental health condition and/or substance use disorder (65.3% vs. 55.1%) (Appendix B Tables 5.5.1-5.5.4).

In multivariate analysis, there was no statistically significant difference between reporting an ER visit in 2016 or 2017 and HMP enrollment status in 2017 (Appendix B Table 5.5.5). However, former enrollees were less likely than current enrollees to report an ER visit in 2016 or 2017 when limited to those with a chronic condition (aOR=0.74), those with a mental health condition and/or substance use disorder (aOR=0.64), and those with a chronic condition and a mental health condition and/or substance use disorder (aOR=0.64) (Appendix B Table 5.5.5).

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\*Respondents were able to provide multiple responses to the survey question.

## Emergency room utilization

Among current enrollees, claims data indicated that 63.3% had no ER visits in period 3 (0-12 months post-sampling for the 2016 HMV Enrollee Survey), 32.9% had 1-4 ER visits, and 3.9% had 5 or more ER visits (Appendix B Table 5.6.1). Those with an income of 0-35% FPL were more likely than those with higher incomes to have 5 or more ER visits in period 3 (Appendix B Table 5.6.1). Those who were age 51-64, male, had a bachelor's or post graduate degree, who were employed, and who did not report difficulty getting an appointment with their PCP were more likely to have no ER visits in period 3 (Appendix B Tables 5.6.1-5.6.2). Those who were non-Hispanic Black, in fair/poor health, who reported health literacy challenges in 2016, and who reported forgone health care in the last 12 months were more likely to have 1-4 ER visits in period 3 (Appendix B Tables 5.6.1-5.6.2).

Most current enrollees (97.5%) did not have any low complexity ER visits in period 3 (Appendix B Table 5.6.10).

## Care needs after hours

One in four current enrollees (24.4%) reported that there was a time when they needed help or advice when their usual clinic or doctor's office was closed (Appendix A Table 5.9). Women were more likely than men (29.0% vs. 18.9%) and those with a chronic condition were more likely than those without to report this (26.3% vs. 17.3%) (Appendix A Table 5.9). Current enrollees who reported needing help or advice when their usual clinic or doctor's office was closed were asked what they did to get the health care help or advice they needed and the most common responses\* were that they went to the ER (36.4%), they went to urgent care or a walk-in clinic (29.1%), and that they got advice elsewhere (16.2%) (Appendix A Table 5.9.1).

## Perspectives on care seeking

Most current enrollees (83.8%) strongly agreed or agreed that their preference is to go straight to a doctor and ask his or her opinion if they have a medical problem (Appendix A Table 5.10).

Few former enrollees (11.6%) strongly agreed or agreed that they are often embarrassed to go see a doctor (Appendix A Table 5.11). Few former enrollees (12.6%) strongly agreed or agreed that getting regular check-ups is not very important when you are healthy (Appendix A Table 5.12). More than two in three former enrollees (68.5%) strongly agreed or agreed that going to public or free clinics is just fine with them (Appendix A Table 5.13). More than one in five former enrollees (22.4%) strongly agreed or agreed that sometimes they go to the ER because they know they cannot be turned away (Appendix A Table 5.14). About one in three former enrollees (33.6%) strongly agreed or agreed that sometimes they go to the ER because they do not have another place to get care (Appendix A Table 5.15).

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\*Respondents were able to provide multiple responses to the survey question.

## Checking cost-sharing before seeking care

One in four current and former enrollees (26.9%) reported checking how much they would have to pay for a doctor's visit, medication, or other health service before they received care in the past 12 months (Appendix A Table 5.16). Former enrollees were more likely than current enrollees to report checking cost before they received care (37.4% vs. 23.7%) (Appendix A Table 5.16). Current and former enrollees most commonly reported checking the cost before receiving\* primary care (46.0%) and prescription medications (29.6%) (Appendix A Table 5.16.1).

## Seeking out and using quality information in health care decisions

Few current and former enrollees (14.8%) reported comparing quality ratings for health care services at different places in the past 12 months (Appendix A Table 5.17). Former enrollees were more likely than current enrollees to report comparing quality ratings (18.9% vs. 13.6%) (Appendix A Table 5.17). Current and former enrollees most commonly reported comparing quality ratings for\* primary care (49.4%) (Appendix A Table 5.17.1).

## Talking with doctor about treatment options and costs

About one in four current and former enrollees (24.1%) reported asking a provider to recommend a less costly prescription drug in the past 12 months (Appendix A Table 5.18). Women were more likely than men (30.1% vs. 17.4%) and those with a chronic condition more likely than those without (26.2% vs. 17.2%) to report this (Appendix A Table 5.18). Former enrollees were more likely than current enrollees to report asking for a less costly prescription drug (30.3% vs. 22.2%) (Appendix A Table 5.18).

**Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.**

## Predictors of disenrollment

There was a relationship between the number of places lived in the past three years and HMP coverage in 2017. As the number of places lived increased, so did the likelihood that a respondent would no longer be enrolled in HMP (Appendix B Table 6.1.2). In multivariate analysis, those who lived in two (aOR=1.55), three (aOR=1.86), or four or more places in the past three years (aOR=2.56) were more likely than those who lived in one place to be no longer enrolled in HMP (Appendix B Table 6.1.4). However, there was no statistically significant relationship between HMP coverage in 2017 and experience of homelessness in the last 12 months (Appendix B Table 6.1.1).

In multivariate analysis, those with an income of 36-99% FPL (aOR=1.79) and those with an income of 100-133% FPL (aOR=2.07) were more likely than those with an income of 0-35% FPL to disenroll from HMP (Appendix B Table 6.1.4).

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\*Respondents were able to provide multiple responses to the survey question.

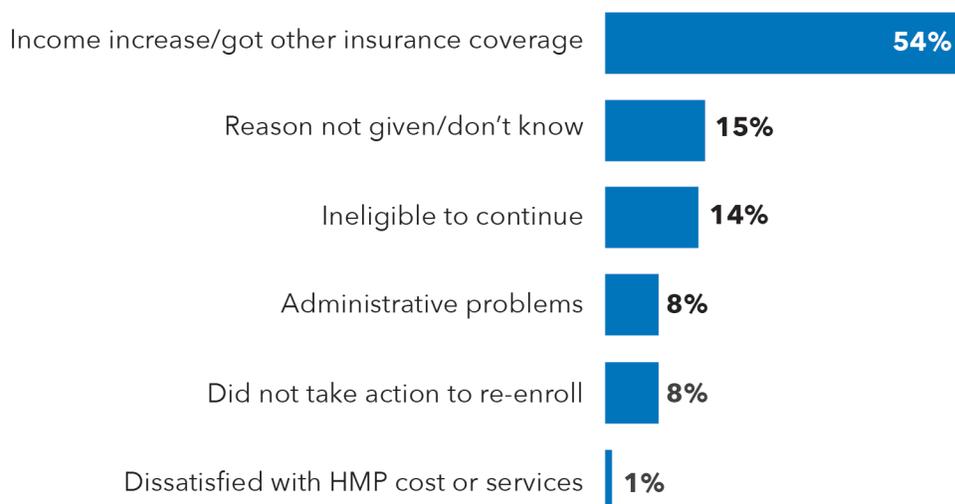
In multivariate analysis, there was no statistically significant relationship between marital status, employment status in 2017, or employment gain from 2016 to 2017 and whether they remained enrolled in HMP (Appendix B Table 6.1.4).

There was no difference between those no longer enrolled and those still enrolled in HMP in their views in the 2016 survey of the affordability of HMP, the fairness of HMP costs, or the importance of health insurance (Appendix B Table 6.1.3).

### Reasons for disenrollment

Among all former enrollees, the most common reason for disenrollment was an income increase or getting other coverage (53.7%), with 13.8% saying they were [otherwise] ineligible to continue (Appendix B Table 6.2.1). Fewer former enrollees reported administrative problems (8.6%) or not taking action to re-enroll (7.7%) (Appendix B Table 6.2.1).

Former enrollees most commonly reported that their HMP coverage ended as a result of **an income increase** or **getting other insurance coverage**.



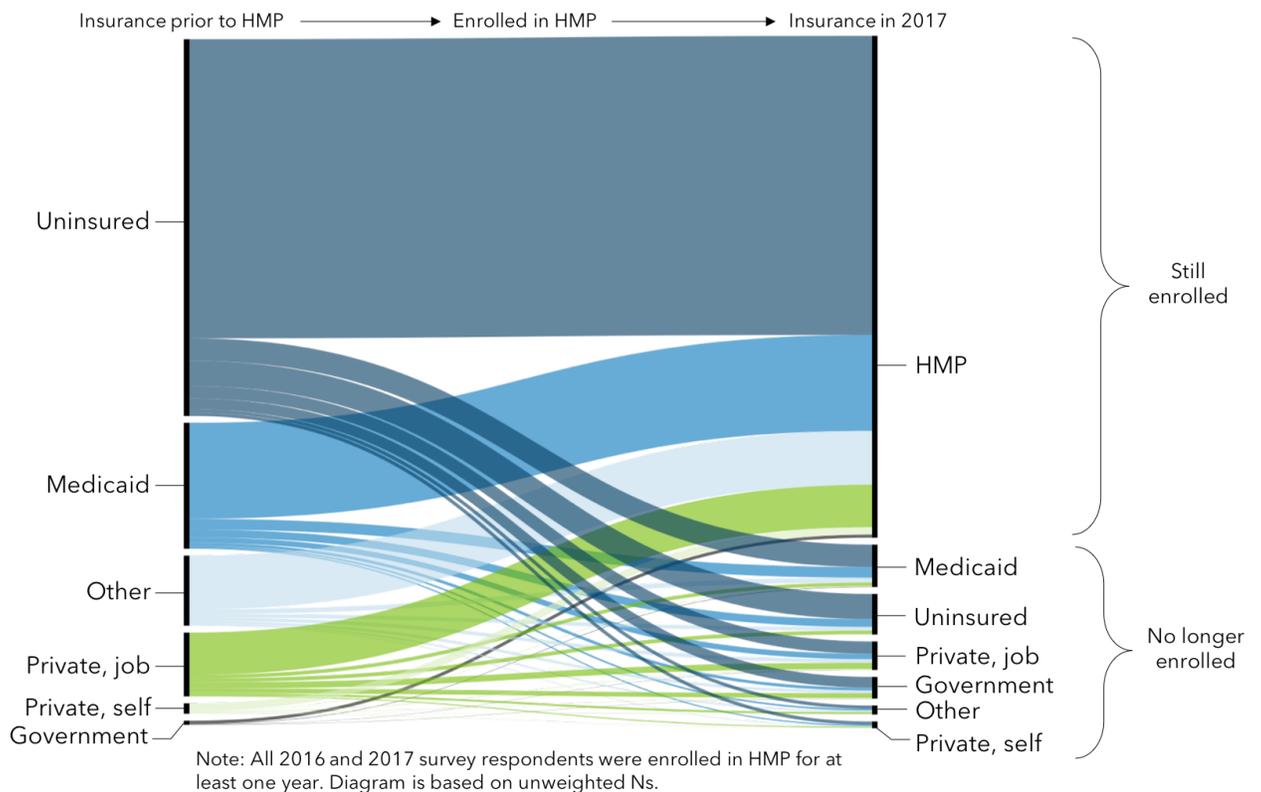
Most former enrollees (68.2%) said it was not their choice to end their HMP enrollment (Appendix A Table 6.2). Among those who said it was not their choice to end their HMP enrollment, 16.1% said they did not know why their HMP coverage ended (Appendix A Table 6.2.2). The most commonly reported reasons for why their HMP coverage ended\* included experiencing an increase in income (25.0%) and getting other coverage (22.2%) (Appendix A Table 6.2.2). Among those who reported choosing to end their HMP enrollment, 77.1% said they decided to end it because they got other insurance coverage, 6.2% said they decided to end it because they were not satisfied with HMP, and 28.3% said they decided to end it for some other reason (Appendix A Table 6.2.1).

\*Respondents were able to provide multiple responses to the survey question.

## Insurance status since HMP coverage ended

Among current and former enrollees who reported on the 2016 survey that they were uninsured prior to HMP enrollment (57.3%), a majority (79.1%) were still enrolled in HMP at the time of the 2017 survey, 6.9% reported being uninsured, 5.9% reported Medicaid insurance, 3.6% reported private, employment-based insurance, 2.5% reported government (Medicare, VA or CHAMPUS) insurance, 1.1% reported some other, unknown, or unspecified type of insurance, and 0.8% reported private insurance purchased by themselves or someone else (includes Marketplace coverage) (Appendix B Table 6.5.4).

## Change in insurance status for HMP enrollees who participated in the 2016 and 2017 HMV surveys.



At the time of the 2017 survey, 29.9% of former enrollees reported being uninsured, 26.6% reported Medicaid insurance, 21.5% reported private, employment-based insurance, 11.4% reported Medicare, VA or CHAMPUS insurance, and 4.0% reported private insurance purchased by themselves or someone else (Appendix B Table 6.5.1).

Over half of former enrollees (54.0%) reported being insured every month since their HMP coverage ended, 16.1% reported being insured for some of the months since their HMP coverage ended, and 27.7% reported being uninsured every month since their HMP coverage ended (Appendix A Table 6.1).

Among former enrollees, there was no statistically significant relationship between experiencing a gain in employment and being insured (Appendix B Table 6.3.1).

In multivariate analysis, former enrollees were more likely to have:

- private, job- or union-provided insurance if they were employed than if they were not employed (aOR=13.07)
- private insurance purchased by themselves or another if they were employed than if they were not employed (aOR=5.48)
- Medicaid (non-HMP) if they were women (aOR=2.89)
- Medicare, VA or CHAMPUS if they were age 51-64 compared to age 19-34 (aOR=9.94) or had an income of 100-133% FPL compared to an income of 0-35% FPL (aOR=3.31) (Appendix B Tables 6.5.2-6.5.3)

Among those covered by insurance purchased by themselves or someone else, 69.8% said the insurance was purchased through the marketplace known as Healthcare.gov (Appendix A Table 6.3.6.3). Half of those who said the insurance was purchased through the marketplace (52.3%) said they or their family member received a subsidy (Appendix A Table 6.3.6.4).

Among former enrollees currently covered by a private health insurance plan that is in their own name:

- 18.8% reported that at least one other family member is covered under their current health insurance plan (Appendix A Table 6.3.11).
- 77.3% reported that the health plan has a deductible; 50.6% of those with a deductible for an individual plan said the annual deductible is less than \$1,300 and 51.0% of those with a deductible for a plan covering two or more people said the annual deductible is less than \$2,600 (Appendix A Tables 6.3.12-6.3.12.2).

### **Cost of insurance since HMP coverage ended**

Among former enrollees who reported being insured at the time of the survey, 43.7% reported that their current health insurance premiums are \$0 (Appendix A Table 6.3.9).

Nearly half of former enrollees (47.0%) reported that the amount they currently pay for their health insurance in a typical month is a little or a lot more than what they were paying with their HMP coverage, 39.4% said it is about the same, and 7.7% said it is less (Appendix A Table 6.8). Those with an income of 100-133% FPL were more likely to report that the amount they currently pay is a lot more than what they were paying with HMP (Appendix A Table 6.8).

Among former enrollees who reported being insured at the time of the survey, a majority strongly agreed or agreed that the amount they pay now for their health insurance seems fair (69.9%) and is affordable (72.4%) (Appendix A Tables 6.5, 6.7).

### **Problems paying medical bills since HMP coverage ended**

More than one in five former enrollees (22.0%) reported having problems paying medical bills since their HMP coverage ended (Appendix A Table 6.9). Among those who reported having problems paying medical bills, 80.7% said their problems paying medical bills have gotten worse since their HMP coverage ended; those from the Detroit Metro region were more likely

than other regions to report that their problems paying medical bills have gotten worse (Appendix A Table 6.9.1).

### **Perspectives on HMP cost-sharing and coverage since HMP coverage ended**

Nearly all former enrollees strongly agreed or agreed that the amount they paid for HMP seemed fair (91.9%) and was affordable (94.4%) (Appendix A Tables 6.4, 6.6). Most former enrollees (81.5) strongly agreed or agreed that people without health insurance need to worry a lot about being wiped out financially (Appendix A Table 6.10). Nearly half of former enrollees (49.0%) strongly agreed or agreed that they worry more about something bad happening to their health since their HMP coverage ended (Appendix A Table 6.11).

### **Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.**

*Not applicable to the 2017 HMP Follow-Up Survey.*

## **Limitations**

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The 2017 HMP Follow-Up Survey was administered with those who consented to be recontacted in the 2016 HMP Enrollee Survey. Out of 4,106 respondents in 2016, 3,957 (96.4%) consented. While our analysis of non-response bias indicated little difference between those who consented to be recontacted compared to those who did not, there may be some bias due to sampling only those who consented to follow-up.

While the survey was available in three languages, it was not available in all languages spoken by HMP enrollees; however, only 2 sampled enrollees were deemed ineligible because the survey was not available in their language.

As with any survey, HMP survey responses may reflect social desirability or recall bias. While many measures were based on those used in large national surveys, some questions were newly developed specifically to assess reasons for and experiences related to disenrollment. A few longitudinal analyses included in this report included survey items that were worded slightly differently on the 2017 HMP Follow-Up Survey compared to the 2016 HMP Enrollee Survey. These differences are noted in the table footnotes of Appendix B.

Survey responses were supplemented with claims data from Medicaid records. These data are limited to services enrollees received while actively enrolled in HMP and other Medicaid programs. We did not distinguish between services received during enrollment in HMP and during enrollment in other Medicaid programs. Data for former HMP enrollees is therefore limited to their time enrolled in Medicaid programs, and thus we do not have information on claims for those with private or no insurance coverage after they left HMP.

Bivariate analyses should be interpreted with caution as they may identify relationships between variables that are due to confounding, and small sample sizes may limit the ability to detect statistical associations.

## Lessons Learned

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Several lessons were learned in the process of conducting outreach to current and former enrollees for participation in this survey:

In the 2016 HMV Enrollee Survey, many early respondents offered descriptions and anecdotes not captured by fixed-choice or brief response items used with the computer-assisted telephone interviewing system. For subsequent survey waves, including the 2017 HMV Follow-Up Survey, respondents were asked if their interview could be recorded and nearly all agreed. These recordings allow cross-checking responses and provide the opportunity to learn additional details about current and former enrollees' experiences in a more open-ended fashion.

We queried the MDHHS Data Warehouse prior to sending the introductory packet to identify individuals who were deceased or incarcerated. This process helped us avoid making calls to about 30 households in which a potential respondent had died or had been incarcerated.

We reviewed call notes to identify respondents who had challenges during their initial 2016 HMV Enrollee Survey. We assigned those respondents to shift supervisors who were proactive in trying to avoid repeated issues; for example, if respondents had problems with their gift card in 2016, we reiterated the instructions that would be included with their 2017 gift card.

We used the email and text message information supplied by respondents during their initial 2016 HMV Enrollee Survey to send reminders for the 2017 HMV Follow-Up Survey; a sizable number of individuals responded to these messages by contacting the HMV office immediately or by responding with a message indicating their preferred time for a call. These responses facilitated the scheduling of follow-up surveys.

## Conclusions

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### Health improvement

Our findings from the 2017 HMV Follow-Up Survey show that Medicaid expansion in Michigan is associated with improvements in self-reported health and fewer days of poor physical health among both current and former enrollees and in many subgroups of current and former enrollees including those with a chronic condition and those with a mental health condition and/or substance use disorder.

These longitudinal results are noteworthy, since other evidence on the health impact of Medicaid expansion has been mixed and has been largely based on comparisons of expansion and non-expansion states using serial cross-sectional data for the U.S. population. One of the

only other recent studies to examine longitudinal changes in health among enrollees was the Oregon Health Insurance Experiment, which found a decrease in symptomatic depression and mixed results related to changes in physical health.<sup>1, 2</sup>

## Employment gains

Data from the 2017 HMP Follow-Up Survey show that the proportion of current and former enrollees who reported being employed/self-employed increased from 48.7% in the 2016 survey to 57.1% in the 2017 survey. Analysis of the 2016 HMP Enrollee Survey data showed that enrollees reported that HMP helped them in their work, look for work, and find a better job, and analysis of the 2017 survey now shows gains in employment.

Few other studies have examined the impact of Medicaid expansion on employment. While Ohio found their Medicaid expansion program was associated with improvements in ease of working or looking for work,<sup>3</sup> and another study found that people with disabilities were more likely to be employed after Medicaid expansion,<sup>4</sup> most studies have not seen changes in employment associated with Medicaid expansion.<sup>5</sup>

## Experiences of those no longer enrolled

About one in four 2017 HMP Follow-Up Survey respondents were no longer enrolled in HMP, and one third of these former enrollees reported being uninsured. Former enrollees, including those with and without insurance at the time of the survey, were more likely than current enrollees to report having recently forgone health care and dental care, usually due to cost or lack of coverage. Many former enrollees reported greater out of pocket costs and more difficulty with medical bills after their HMP coverage ended.

While former enrollees were less likely than those who remained enrolled to report having a regular source of care, and less likely to report that their regular source of care is a doctor's office or clinic, few named the ER as that source of care. More than three quarters of those who did report that their regular source of care is a doctor's office or clinic said they were still going to their HMP PCP. This suggests that even shorter-term HMP enrollment may promote a shift away from reliance on emergency rooms to primary care and may facilitate primary care continuity. However, one in three former enrollees agreed that sometimes they go to the ER

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<sup>1</sup> Baicker, K., Taubman, S. L., Allen, H.L., Bernstein, M., Gruber, J. H., Newhouse, J. P., Schneider, E. C., Wright, B. J., Zaslavsky, A. M., & Finkelstein, A. N. (2013). The Oregon experiment: Effects of Medicaid on clinical outcomes. *New England Journal of Medicine*, 368(18), 1713-1722.

<sup>2</sup> Finkelstein, A., Taubman, S., Wright, B., Bernstein, M., Gruber, J., Newhouse, J. P., Allen, H., & Baicker, K. (2012). The Oregon health insurance experiment: Evidence from the first year. *Quarterly Journal of Economics*, 127(3), 1057-1106.

<sup>3</sup> The Ohio Department of Medicaid. (2018, August 20). *2018 Ohio Medicaid Group VII Assessment: A Follow-Up to the 2016 Ohio Medicaid Group VII Assessment*. Retrieved from <https://www.medicaid.ohio.gov/Portals/0/Resources/Reports/Annual/Group-VIII-Final-Report.pdf>

<sup>4</sup> Hall, J. P., Shartzler, A., Kurth, N. K., & Thomas, K. C. (2017). Effect of Medicaid expansion on workforce participation for people with disabilities. *American Journal of Public Health*, 107(2), 262-264.

<sup>5</sup> Antonisse, L., Garfield, R., Rudowitz, R., & Artiga, S. (2018, March 28). *The effects of Medicaid expansion under the ACA: Updated findings from a literature review*. Retrieved from <https://www.kff.org/medicaid/issue-brief/the-effects-of-medicaid-expansion-under-the-aca-updated-findings-from-a-literature-review-march-2018/>

because they don't have another place to get care; another substantial minority said that sometimes they go to the ER because they know they cannot be turned away.

There was no difference between those no longer enrolled and those still enrolled in HMP in their views in the 2016 survey of the affordability of HMP, the fairness of HMP costs, or the importance of health insurance.

### **Current enrollees' understanding of insurance and covered benefits**

Current enrollees generally had a good overall understanding of HMP's covered benefits. In 2017 compared to 2016, current enrollees were more likely to know that dental care and eyeglasses are covered by HMP. Yet many current enrollees continued to be unaware in the 2017 survey that HMP provides coverage for smoking cessation and substance use disorder treatment. Understanding of the healthy behavior rewards associated with HRA completion also continued to remain low among current enrollees in 2017.

### **Current enrollees' access to care, primary care and prevention**

Improved access to and use of preventive services can improve health in the short- and long-term. Current enrollees continued to report improvements in access to care in the 2017 survey. Nearly all current enrollees reported a regular source of care, the vast majority naming a doctor's office or clinic rather than an urgent care/walk-in clinic or an ER. Few current enrollees reported not getting the health care they needed in the last 12 months. Current enrollees also continued to report reductions in financial barriers to care. Current enrollees were even more likely in 2017 than in 2016 to strongly agree or agree that without HMP they wouldn't be able to go to the doctor.

Nearly all current enrollees had a claim for a primary care visit. Among those who reported not seeing their PCP in the past 12 months, more than half said that was because they were healthy and did not need to see a provider.

Current enrollees reported positive changes in health behaviors. For instance, among current enrollees who reported smoking or using tobacco in 2016, 14.4% did not report smoking or using tobacco in 2017. This is nearly twice the recent quit rate (7.4%) from 2015 national data.<sup>6</sup> Improved health behaviors can improve health immediately and, of course, in the longer term.

Previous studies have found that Medicaid expansion leads to increases in the number of preventive services received.<sup>7,8</sup> In this analysis, nearly all current enrollees had a claim for at least one preventive service. PCP visits, remembering discussions about the HRA, HRA completion with PCP attestation, and better knowledge of HMP coverage were all associated

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<sup>6</sup> Babb, S., Malarcher, A., Schauer, G., Asman, K., & Jamal, A. (2017, January 6). Quitting smoking among adults: United States, 2000–2015. *Morbidity and Mortality Weekly Report*, 65(52),1457–1464.

<sup>7</sup> Sabik, L. M., Tarazi, W. W., & Bradley, C. J. (2015). State Medicaid expansion decisions and disparities in women's cancer screening. *American Journal of Preventive Medicine*, 48(1), 98–103.

<sup>8</sup> Simon, K., Soni, A., & Cawley, J. (2017). The impact of health insurance on preventive care and health behaviors: Evidence from the first two years of the ACA Medicaid expansions. *Journal of Policy Analysis and Management*, 36(2), 390–417.

with more preventive services utilization. Other studies have shown mixed results in regards to the impact of Medicaid expansion on cancer screening.<sup>9</sup> Screening for colorectal cancer in this HMP survey cohort was comparable to or better than that found for low-income populations nationally, and the breast cancer screening rate was much higher.<sup>10</sup>

## Recommendations

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It is important to continue to assess the long-term impact of Medicaid expansion on health and functional outcomes, including employment. While short-term gains have been seen, the emphasis on prevention and health risk modification in HMP could have even greater impact over the long-term. While some of this information on health and functional outcomes can be ascertained from claims, surveys such as the *Healthy Michigan Voices* Survey provide a unique opportunity to understand changes in health behaviors and health status that are not readily evident in claims data.

Because primary care visits appear to have a large impact on health promotion and preventive services, and may decrease the use of emergency rooms, maintaining and improving access to primary care could be more important than emphasizing the completion of the HRA. We recommend that MDHHS work with Medicaid health plans and the provider community to maintain or improve timely access to appointments.

MDHHS or the evaluation team should continue to monitor the employment status of current HMP enrollees, including health-related barriers to gaining employment; and the health status of enrollees who lose HMP coverage if they are unable to satisfy community engagement requirements.

MDHHS should continue to educate HMP enrollees about covered benefits, particularly coverage for smoking cessation and treatment for substance use disorders, and about financial incentives for healthy behaviors.

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<sup>9</sup> Mahal, B. A., Chavez, J., Mahal, A. N., Yang, D. D., Kim, D. W., Sanford, N. N., Sethi, R., Hu, J. C., Trinh, Q. D., & Nguyen, P. L. (2018). Early impact of the Affordable Care Act and Medicaid expansion on racial and socioeconomic disparities in cancer care. *International Journal of Radiation Oncology*, 102(3), e418-e419.

<sup>10</sup> Sabatino, S. A., White, M. C., Thompson, T. D., & Klabunde, C. N. (2015, May 8). Cancer screening test use: United States, 2013. *Morbidity and Mortality Weekly Report*, 64(17), 464-8.

**2017 Healthy Michigan Voices Follow-Up Survey  
Appendix A: Descriptive Tables**

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3.1.1 Q: What type of care? . . . . .	A90
3.1.1.1 Q: Why didn't you get the care you needed? . . . . .	A90
3.2 Q: In the last 12 months, was there any time when you didn't get the dental care you needed? . . . . .	A91
3.2.1 Q: Why didn't you get the dental care you needed? . . . . .	A92
3.3 Q: In the last 12 months, about how much did you spend out-of-pocket for your own medical and dental care? A93	
3.4 Q: Since your Healthy Michigan Plan insurance ended, have you had to change any of your providers? . . . . .	A94
3.4.1 Q: Which providers did you have to change? . . . . .	A95
3.5 Q: Since your Healthy Michigan Plan insurance ended, was there any time when you didn't get the health care you needed? . . . . .	A96
3.5.1 Q: What type of health care was it? . . . . .	A97
3.5.1.1 Q: Why didn't you get the care you needed? . . . . .	A97
3.6 Q: Since your Healthy Michigan Plan insurance ended, was there any time when you didn't get the dental care you needed? . . . . .	A98
3.6.1 Q: Why didn't you get the dental care you needed? . . . . .	A99

<b>4</b>	<b>Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.</b>	<b>A100</b>
4.1	Q: In the last 7 days, how many days did you exercise for at least 20 minutes? . . . . .	A101
4.2	Q: In the last 7 days, how many days did you drink soda or pop that contains sugar, sweetened fruit drinks, sports drinks, or energy drinks? . . . . .	A102
4.3	Q: In the last 7 days, how many days did you eat 3 or more servings of fruits or vegetables in a day? . . . . .	A103
4.4	Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about exercise? . . . . .	A104
4.5	Q: In the last 12 months has a doctor, nurse or other health professional talked with you about diet and nutrition? . . . . .	A105
4.6	Q: In the last 7 days, how many days did you have [5 or more for men, 4 or more for women] alcoholic drinks? . . . . .	A106
4.6.1	Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about safe alcohol use? . . . . .	A107
4.7	Q: In the last 30 days have you smoked or used tobacco? . . . . .	A108
4.7.1	Q: Do you want to quit smoking or using tobacco? . . . . .	A109
4.7.1.1	Q: Are you working on cutting back or quitting right now? . . . . .	A110
4.7.2	Q: In the last 12 months, did you receive any advice or assistance from a health professional or your health plan on how to quit or cut back? . . . . .	A111
4.8	Q: In the last 30 days, have you used drugs or medications to affect your mood or help you relax? . . . . .	A112
4.8.1	Q: How often? . . . . .	A113
4.8.1.1	Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about your use of these drugs or medications? . . . . .	A114
4.9	Q: In the last year, did you discuss the Health Risk Assessment with your doctor or someone at your primary care provider's office? . . . . .	A115
4.9.1	Q: What healthy behavior did you choose to work on? . . . . .	A116
4.9.1.1	Q: Why did you choose to work on this healthy behavior? . . . . .	A116
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5.1	Q: In the last 12 months, is there a place you usually go when you need a checkup, feel sick, or want advice about your health? . . . . .	A118
5.1.1	Q: What kind of a place was it? . . . . .	A119
5.1.2	Regular source of care in last 12 months, detailed . . . . .	A120
5.1.2.1	Q: Is this your primary care provider for your Healthy Michigan Plan coverage? . . . . .	A121
5.1.3	Has a primary care provider for Healthy Michigan Plan . . . . .	A122
5.2	Q: Is this the same primary care provider you had when we talked with you last year? . . . . .	A123
5.2.1	Q: Why did you change? . . . . .	A124
5.3	Q: Have you seen your primary care provider in the past 12 months? . . . . .	A125
5.3.1	Q: Why haven't you seen your primary care provider in the past 12 months? . . . . .	A126
5.4	Q: Since your Healthy Michigan Plan insurance ended, is there a place you usually go when you need a checkup, feel sick, or want advice about your health? . . . . .	A127
5.4.1	Q: What kind of a place is it? . . . . .	A128
5.4.2	Regular source of care since HMP coverage ended, detailed . . . . .	A129
5.4.2.1	Q: Is this the same place as your Healthy Michigan Plan primary care provider? . . . . .	A130
5.5	Q: In the last 12 months, did you get dental care? . . . . .	A131
5.6	Q: In the past 12 months, when you felt sick or wanted advice about your health, how easy or difficult was it to get an appointment to see your primary care provider? . . . . .	A132
5.6.1	Q: What made it difficult? . . . . .	A133
5.7	Q: Since your Healthy Michigan Plan insurance ended, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)? . . . . .	A134
5.8	Q: During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)? . . . . .	A135
5.8.1	Q: Thinking about the most recent time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room? . . . . .	A136
5.8.1.1	Q: Did you talk to someone? . . . . .	A137
5.8.2	Q: Why did you end up going to the ER? . . . . .	A138
5.8.3	Q: Which of these were true about that last ER visit? . . . . .	A139
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5.8.3.7	Q: Any other reason you decided to go to the ER? . . . . .	A145
5.9	Q: In the last 12 months was there a time when you needed help or advice when your usual clinic or doctor's office was closed? . . . . .	A146
5.9.1	Q: Thinking of the last time, what did you do to get the health care help or advice you needed? . . . . .	A147
5.10	Q: If I have a medical problem, my preference is to go straight to a doctor and ask his or her opinion. . . . .	A148
5.11	Q: I'm often embarrassed to go see a doctor. . . . .	A149
5.12	Q: Getting regular check-ups is not very important when you are healthy. . . . .	A150
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5.15	Q: Sometimes I go to the ER because I don't have another place to get care. . . . .	A153
5.16	Q: In the past 12 months, did you check how much you would pay for a doctor's visit, medication, or other health care service before you received care? . . . . .	A154
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5.17.1	Q: What type of health care was this for? . . . . .	A157
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6.2.1	Q: Why did you decide to end your Healthy Michigan Plan enrollment? Was it... . . . . .	A162
6.2.1.1	Q: What were you dissatisfied with? . . . . .	A162
6.2.2	Q: Why did your Healthy Michigan Plan insurance end? . . . . .	A163
6.3	Q: Are you currently covered by any kind of health insurance or health care plan? . . . . .	A164
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6.3.3	Q: Since your Healthy Michigan Plan insurance ended, for how many months were you uninsured? . . . . .	A166
6.3.4	Q: What are the main reasons you currently do not have health insurance? . . . . .	A167
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6.3.6.1	Q: Whose job is it? . . . . .	A168
6.3.6.2	Q: Who purchased it? . . . . .	A169
6.3.6.3	Q: Was this insurance purchased through the marketplace known as healthcare.gov? . . . . .	A169
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6.3.8	Q: Is your current health insurance plan in your name or someone else's? . . . . .	A172
6.3.8.1	Q: What is your relationship to that person? . . . . .	A173
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6.8	Q: Overall, how does the amount you currently pay for your health care in a typical month compare to what you were paying with your Healthy Michigan Plan insurance? . . . . .	A183
6.9	Q: Since your Healthy Michigan Plan insurance ended, have you had problems paying medical bills? . . . . .	A184

6.9.1 Q: Since your Healthy Michigan Plan insurance ended, have your problems paying medical bills gotten worse, stayed the same, or gotten better? . . . . . A185

6.10 Q: People without health insurance need to worry a lot about being wiped out financially. . . . . A186

6.11 Q: I worry more about something bad happening to my health since my Healthy Michigan Plan insurance ended. . . . . A187

**7 Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling. . . . . A188**

## How to read the tables

### Question asked for the corresponding table will be shown here

*Follow-up group:* 'Follow-up group' is those who are still enrolled and/or those no longer enrolled in HMP at the time of the survey

*Universe:* The 'universe' tells you which respondents answered the question.

	Variable of Interest				Total Row%
	Response Option 1 Row%	95%CI	Response Option 2 Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,387)	11.4	[9.7, 13.4]	88.6	[86.6, 90.3]	100.0
No longer enrolled (n=709)	10.5	[7.6, 14.2]	89.5	[85.8, 92.4]	100.0
Pearson: Uncorrected chi2(1) =	0.4582				
Design-based F(1.00, 3084.00) =	0.2150	Pr =	0.643		
<b>Age</b>					
19-34 (n=908)	23.9	[20.5, 27.7]	76.1	[72.3, 79.5]	100.0
35-50 (n=969)	5.6	[3.8, 8.0]	94.4	[92.0, 96.2]	100.0
51-64 (n=1,219)	1.1	[0.6, 2.2]	98.9	[97.8, 99.4]	100.0
Pearson: Uncorrected chi2(2) =	312.3618				
Design-based F(1.84, 5660.07) =	92.8398	Pr =	0.000		
<b>Gender</b>					
Male (n=1,230)	11.2	[8.9, 14.0]	88.8	[86.0, 91.1]	100.0
Female (n=1,866)	11.2	[9.3, 13.4]	88.8	[86.6, 90.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0002				
Design-based F(1.00, 3084.00) =	0.0001	Pr =	0.992		
<b>Race</b>					
White (n=2,106)	9.4	[7.7, 11.4]	90.6	[88.6, 92.3]	100.0
Black or African American (n=639)	11.2	[8.4, 14.7]	88.8	[85.3, 91.6]	100.0
Other (n=203)	24.4	[16.9, 34.0]	75.6	[66.0, 83.1]	100.0
More than one (n=108)	13.3	[6.4, 25.6]	86.7	[74.4, 93.6]	100.0
Pearson: Uncorrected chi2(3) =	47.7784				
Design-based F(2.99, 9091.31) =	6.9587	Pr =	0.000		
<b>FPL category</b>					
0-35% (n=1,218)	10.4	[8.1, 13.1]	89.6	[86.9, 91.9]	100.0
36-99% (n=1,084)	11.0	[8.7, 13.7]	89.0	[86.3, 91.3]	100.0
100%+ (n=794)	13.6	[10.6, 17.3]	86.4	[82.7, 89.4]	100.0
Pearson: Uncorrected chi2(2) =	4.8637				
Design-based F(1.93, 5950.44) =	1.3454	Pr =	0.260		
<b>Region</b>					
UP/NW/NE (n=574)	5.1	[3.4, 7.5]	94.9	[92.5, 96.6]	100.0
W/E Central/E (n=980)	8.8	[6.7, 11.6]	91.2	[88.4, 93.3]	100.0
S Central/SW/SE (n=633)	11.3	[8.6, 14.9]	88.7	[85.1, 91.4]	100.0
Detroit Metro (n=909)	14.1	[11.3, 17.4]	85.9	[82.6, 88.7]	100.0
Pearson: Uncorrected chi2(3) =	26.6380				
Design-based F(2.57, 7925.84) =	6.1057	Pr =	0.001		
<b>Total</b> (n=3,096)	11.2	[9.7, 12.9]	88.8	[87.1, 90.3]	100.0

<sup>1</sup> Each table will show a variable of interest and the response options at the top. Where 'Variable of Interest' is currently, the variable name or description will replace it and the 'Response Option' will be replaced with the response options for that question. The variable of interest is analyzed in a cross-tabulation format against other variables. These variables are on the left side of the table. The name of the variable is in bold on top of the categories that correspond to that variable. Each variable on the left side of the table is separated by horizontal black lines. The statistical analysis information is between two variables; the analysis information corresponds to the variable above it.

<sup>2</sup> 'Row%' is the weighted percentage of Respondents who answered that response option in the survey. The '95%CI' is the range of values that one can be 95% confident contains the true mean. The 'Total Column' shows that the row adds up to 100%. The value in 'Pr= value' indicates if there is a significant relationship between the two variables. If 'value' is less than 0.05, it can be interpreted that there is a significant relationship between the two variables.

<sup>3</sup> The 'Total' row is at the bottom of the table. This row displays the weighted proportions for the population as a whole, i.e. not run against another variable.

<sup>4</sup> Some questions have greater or fewer response options than the table presented here.

# 0 Demographics

## 0.1 Main demographics table

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

Demographic characteristics	Weighted Proportion	95%CI
<b>Follow-up group</b>		
Still enrolled (n=2,388)	76.8	[74.9, 78.6]
No longer enrolled (n=709)	23.2	[21.4, 25.1]
<b>FPL category</b>		
0-35% (n=1,218)	52.3	[51.2, 53.5]
36-99% (n=1,084)	27.7	[26.8, 28.7]
100%+ (n=795)	19.9	[19.2, 20.7]
<b>Region</b>		
UP/NW/NE (n=574)	9.1	[8.7, 9.5]
W/E Central/E (n=980)	29.6	[28.6, 30.6]
S Central/SW/SE (n=633)	18.4	[17.6, 19.3]
Detroit Metro (n=910)	42.9	[41.7, 44.1]
<b>Age</b>		
19-34 (n=909)	37.5	[35.3, 39.9]
35-50 (n=969)	34.0	[31.8, 36.2]
51-64 (n=1,219)	28.5	[26.7, 30.3]
<b>Gender</b>		
Male (n=1,230)	47.0	[44.7, 49.2]
Female (n=1,867)	53.0	[50.8, 55.3]
<b>Race/ethnicity</b>		
White, non-Hispanic (n=2,058)	59.6	[57.4, 61.7]
Black, non-Hispanic (n=634)	26.8	[24.8, 28.9]
Hispanic (n=138)	5.0	[4.1, 6.0]
Other, non-Hispanic (n=228)	8.7	[7.4, 10.1]
<b>Race</b>		
White (n=2,106)	61.3	[59.1, 63.4]
Black or African American (n=639)	27.0	[25.0, 29.1]
Other (n=204)	7.7	[6.5, 9.1]
More than one (n=108)	4.0	[3.2, 5.1]
<b>Hispanic/Latino</b>		
Yes (n=138)	4.9	[4.0, 6.0]
No (n=2,925)	94.6	[93.5, 95.6]
Don't know (n=7)	0.4	[0.2, 1.0]
<b>Arab/Chaldean/Middle Eastern</b>		
Yes (n=124)	4.9	[4.0, 6.1]
No (n=2,937)	94.7	[93.6, 95.7]
Don't know (n=8)	0.3	[0.2, 0.7]
<b>Urbanicity</b>		
Urban (n=2,179)	80.9	[79.7, 82.0]
Suburban (n=307)	8.9	[7.9, 10.0]
Rural (n=611)	10.2	[9.6, 10.8]
<b>Highest level of education</b>		
Less than high school (n=355)	11.2	[9.9, 12.6]
High school graduate (n=1,266)	40.5	[38.3, 42.8]
Some college (n=665)	22.8	[20.9, 24.9]
Associate's degree (n=408)	12.9	[11.5, 14.5]
Bachelor's degree (n=308)	9.9	[8.6, 11.3]
Post graduate degree (n=88)	2.7	[2.0, 3.5]
<b>Employed/self-employed</b>		
Yes (n=1,742)	57.1	[55.0, 59.3]
No (n=1,351)	42.9	[40.7, 45.0]

Continued on next page

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<b>Employment status—detailed</b>		
Full-time employment (n=857)	27.9	[25.9, 29.9]
Part-time employment (n=870)	29.4	[27.3, 31.5]
Out of work (n=374)	14.4	[12.8, 16.1]
Unable to work (n=569)	17.6	[16.1, 19.3]
Retired (n=183)	3.6	[3.0, 4.3]
Not looking for work at this time (n=211)	7.1	[6.0, 8.4]
<b>In school</b>		
Yes (n=253)	11.2	[9.7, 12.9]
No (n=2,843)	88.8	[87.1, 90.3]
<b>Veteran</b>		
Yes (n=101)	3.7	[3.0, 4.7]
No (n=2,991)	96.1	[95.1, 96.9]
Don't know (n=2)	0.2	[0.0, 0.7]
<b>Marital status</b>		
Married (n=750)	19.4	[17.9, 20.9]
Partnered (n=120)	3.6	[2.9, 4.4]
Divorced (n=683)	19.2	[17.5, 20.9]
Widowed (n=113)	2.6	[2.1, 3.2]
Separated (n=101)	3.3	[2.6, 4.2]
Never Married (n=1,317)	52.0	[49.8, 54.2]
<b>Number of places lived in past 3 years</b>		
One (n=2,175)	67.3	[65.1, 69.4]
Two (n=611)	20.5	[18.7, 22.4]
Three (n=186)	7.4	[6.2, 8.8]
Four or more (n=120)	4.8	[3.8, 5.9]
Don't know (n=2)	0.1	[0.0, 0.2]
<b>Homeless in the last 12 months</b>		
Yes (n=195)	7.9	[6.7, 9.3]
No (n=2,894)	92.1	[90.7, 93.3]

## 0.2 Demographics table by follow-up group

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Still enrolled		Follow-up group No longer enrolled		Total	
	Col%	95%CI	Col%	95%CI	Col%	95%CI
<b>FPL category</b>						
0-35% (n=1,218)	55.8	[54.2, 57.4]	40.8	[36.5, 45.3]	52.3	[51.2, 53.5]
36-99% (n=1,084)	26.2	[24.9, 27.6]	32.7	[29.1, 36.5]	27.7	[26.8, 28.7]
100%+ (n=795)	17.9	[16.9, 19.1]	26.5	[23.3, 30.0]	19.9	[19.2, 20.7]
<b>Total</b> (n=3,097)	100.0		100.0		100.0	
Pearson: Uncorrected chi2(2) =	52.2401					
Design-based F(1.92, 5934.79) =	17.9981	Pr =	0.000			
<b>Region</b>						
UP/NW/NE (n=574)	9.1	[8.5, 9.8]	9.0	[7.5, 10.8]	9.1	[8.7, 9.5]
W/E Central/E (n=980)	29.8	[28.5, 31.2]	28.8	[25.2, 32.6]	29.6	[28.6, 30.6]
S Central/SW/SE (n=633)	17.0	[16.0, 18.2]	23.0	[19.7, 26.7]	18.4	[17.6, 19.3]
Detroit Metro (n=910)	44.0	[42.3, 45.7]	39.2	[34.9, 43.7]	42.9	[41.7, 44.1]
<b>Total</b> (n=3,097)	100.0		100.0		100.0	
Pearson: Uncorrected chi2(3) =	13.8762					
Design-based F(2.69, 8292.00) =	3.5711	Pr =	0.017			
<b>Age</b>						
19-34 (n=909)	36.1	[33.5, 38.7]	42.4	[37.8, 47.2]	37.5	[35.3, 39.9]
35-50 (n=969)	35.0	[32.6, 37.6]	30.5	[26.5, 34.8]	34.0	[31.8, 36.2]
51-64 (n=1,219)	28.9	[26.9, 31.0]	27.1	[23.5, 31.0]	28.5	[26.7, 30.3]
<b>Total</b> (n=3,097)	100.0		100.0		100.0	
Pearson: Uncorrected chi2(2) =	9.9458					
Design-based F(1.95, 6015.00) =	3.2383	Pr =	0.041			
<b>Gender</b>						
Male (n=1,230)	46.1	[43.5, 48.7]	50.0	[45.4, 54.6]	47.0	[44.7, 49.2]
Female (n=1,867)	53.9	[51.3, 56.5]	50.0	[45.4, 54.6]	53.0	[50.8, 55.3]
<b>Total</b> (n=3,097)	100.0		100.0		100.0	
Pearson: Uncorrected chi2(1) =	3.4164					
Design-based F(1.00, 3085.00) =	2.0865	Pr =	0.149			
<b>Race/ethnicity</b>						
White, non-Hispanic (n=2,058)	59.8	[57.2, 62.3]	59.0	[54.3, 63.6]	59.6	[57.4, 61.7]
Black, non-Hispanic (n=634)	26.7	[24.4, 29.1]	27.1	[23.0, 31.7]	26.8	[24.8, 28.9]
Hispanic (n=138)	4.8	[3.8, 6.0]	5.5	[3.8, 8.0]	5.0	[4.1, 6.0]
Other, non-Hispanic (n=228)	8.8	[7.3, 10.4]	8.3	[6.1, 11.3]	8.7	[7.4, 10.1]
<b>Total</b> (n=3,058)	100.0		100.0		100.0	
Pearson: Uncorrected chi2(3) =	0.8400					
Design-based F(2.98, 9086.10) =	0.1662	Pr =	0.918			
<b>Race</b>						
White (n=2,106)	61.5	[59.0, 64.0]	60.5	[55.8, 65.0]	61.3	[59.1, 63.4]
Black or African American (n=639)	26.8	[24.5, 29.2]	27.5	[23.4, 32.1]	27.0	[25.0, 29.1]
Other (n=204)	7.6	[6.3, 9.2]	7.9	[5.7, 11.0]	7.7	[6.5, 9.1]
More than one (n=108)	4.0	[3.1, 5.3]	4.0	[2.6, 6.2]	4.0	[3.2, 5.1]
<b>Total</b> (n=3,057)	100.0		100.0		100.0	
Pearson: Uncorrected chi2(3) =	0.2585					
Design-based F(2.98, 9078.43) =	0.0506	Pr =	0.985			
<b>Hispanic/Latino</b>						
Yes (n=138)	4.8	[3.8, 6.0]	5.5	[3.8, 8.0]	4.9	[4.0, 6.0]
No (n=2,925)	94.9	[93.5, 95.9]	93.8	[91.1, 95.8]	94.6	[93.5, 95.6]
Don't know (n=7)	0.4	[0.1, 1.0]	0.7	[0.1, 3.2]	0.4	[0.2, 1.0]
<b>Total</b> (n=3,070)	100.0		100.0		100.0	
Pearson: Uncorrected chi2(2) =	1.5363					
Design-based F(1.85, 5647.57) =	0.3527	Pr =	0.686			

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<b>Arab/Chaldean/Middle Eastern</b>						
Yes (n=124)	5.4	[4.3, 6.9]	3.2	[2.0, 5.2]	4.9	[4.0, 6.1]
No (n=2,937)	94.2	[92.7, 95.3]	96.7	[94.7, 97.9]	94.7	[93.6, 95.7]
Don't know (n=8)	0.4	[0.2, 0.9]	0.1	[0.0, 1.0]	0.3	[0.2, 0.7]
<b>Total (n=3,069)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
Pearson: Uncorrected chi2(2) =	7.0298					
Design-based F(1.93, 5905.67) =	2.6956	Pr =	0.070			
<b>Urbanicity</b>						
Urban (n=2,179)	81.1	[79.7, 82.5]	80.1	[76.9, 82.9]	80.9	[79.7, 82.0]
Suburban (n=307)	8.7	[7.6, 9.9]	9.7	[7.5, 12.4]	8.9	[7.9, 10.0]
Rural (n=611)	10.2	[9.5, 11.0]	10.2	[8.5, 12.3]	10.2	[9.6, 10.8]
<b>Total (n=3,097)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
Pearson: Uncorrected chi2(2) =	0.7782					
Design-based F(1.91, 5894.41) =	0.3665	Pr =	0.683			
<b>Highest level of education</b>						
Less than high school (n=355)	10.8	[9.4, 12.3]	12.4	[9.5, 16.0]	11.2	[9.9, 12.6]
High school graduate (n=1,266)	41.3	[38.7, 43.9]	37.9	[33.6, 42.5]	40.5	[38.3, 42.8]
Some college (n=665)	23.4	[21.1, 25.8]	21.1	[17.6, 25.0]	22.8	[20.9, 24.9]
Associate's degree (n=408)	13.2	[11.6, 15.0]	12.0	[9.3, 15.2]	12.9	[11.5, 14.5]
Bachelor's degree (n=308)	9.5	[8.0, 11.1]	11.3	[8.9, 14.3]	9.9	[8.6, 11.3]
Post graduate degree (n=88)	1.9	[1.4, 2.5]	5.3	[3.2, 8.6]	2.7	[2.0, 3.5]
<b>Total (n=3,090)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
Pearson: Uncorrected chi2(5) =	30.4602					
Design-based F(4.95, 15232.77) =	3.7251	Pr =	0.002			
<b>Employed/self-employed</b>						
Yes (n=1,742)	55.4	[52.8, 57.9]	62.9	[58.5, 67.2]	57.1	[55.0, 59.3]
No (n=1,351)	44.6	[42.1, 47.2]	37.1	[32.8, 41.5]	42.9	[40.7, 45.0]
<b>Total (n=3,093)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
Pearson: Uncorrected chi2(1) =	12.7472					
Design-based F(1.00, 3081.00) =	8.1366	Pr =	0.004			
<b>Employment status-detailed</b>						
Full-time employment (n=857)	23.1	[21.0, 25.3]	43.8	[39.2, 48.5]	27.9	[25.9, 29.9]
Part-time employment (n=870)	32.4	[29.9, 34.9]	19.5	[16.2, 23.4]	29.4	[27.3, 31.5]
Out of work (n=374)	15.8	[13.9, 17.9]	9.6	[7.2, 12.7]	14.4	[12.8, 16.1]
Unable to work (n=569)	17.5	[15.7, 19.5]	18.0	[14.9, 21.7]	17.6	[16.1, 19.3]
Retired (n=183)	3.3	[2.7, 4.0]	4.7	[3.3, 6.8]	3.6	[3.0, 4.3]
Not looking for work at this time (n=211)	8.0	[6.6, 9.6]	4.3	[2.9, 6.2]	7.1	[6.0, 8.4]
<b>Total (n=3,064)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
Pearson: Uncorrected chi2(5) =	143.1804					
Design-based F(4.89, 14934.15) =	20.0251	Pr =	0.000			
<b>In school</b>						
Yes (n=253)	11.4	[9.7, 13.4]	10.5	[7.6, 14.2]	11.2	[9.7, 12.9]
No (n=2,843)	88.6	[86.6, 90.3]	89.5	[85.8, 92.4]	88.8	[87.1, 90.3]
<b>Total (n=3,096)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
Pearson: Uncorrected chi2(1) =	0.4582					
Design-based F(1.00, 3084.00) =	0.2150	Pr =	0.643			
<b>Veteran</b>						
Yes (n=101)	3.8	[2.9, 4.9]	3.6	[2.1, 5.9]	3.7	[3.0, 4.7]
No (n=2,991)	96.0	[94.8, 96.9]	96.4	[94.1, 97.9]	96.1	[95.1, 96.9]
Don't know (n=2)	0.2	[0.0, 0.9]	0.0		0.2	[0.0, 0.7]
<b>Total (n=3,094)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
Pearson: Uncorrected chi2(2) =	1.5668					
Design-based F(1.89, 5812.27) =	0.3336	Pr =	0.704			
<b>Marital status</b>						
Married (n=750)	18.1	[16.5, 19.8]	23.7	[20.2, 27.5]	19.4	[17.9, 20.9]
Partnered (n=120)	3.4	[2.6, 4.4]	4.2	[2.8, 6.1]	3.6	[2.9, 4.4]
Divorced (n=683)	20.6	[18.6, 22.6]	14.5	[11.9, 17.6]	19.2	[17.5, 20.9]
Widowed (n=113)	2.8	[2.2, 3.5]	1.9	[1.1, 3.3]	2.6	[2.1, 3.2]
Separated (n=101)	3.1	[2.4, 4.0]	4.0	[2.5, 6.4]	3.3	[2.6, 4.2]
Never Married (n=1,317)	52.1	[49.5, 54.6]	51.7	[47.1, 56.3]	52.0	[49.8, 54.2]
<b>Total (n=3,084)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
Pearson: Uncorrected chi2(5) =	23.2186					
Design-based F(4.87, 14953.07) =	3.4731	Pr =	0.004			

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<b>Number of places lived in past 3 years</b>						
One (n=2,175)	70.1	[67.7, 72.4]	58.1	[53.4, 62.7]	67.3	[65.1, 69.4]
Two (n=611)	19.3	[17.4, 21.4]	24.2	[20.4, 28.5]	20.5	[18.7, 22.4]
Three (n=186)	6.5	[5.3, 8.0]	10.3	[7.5, 14.0]	7.4	[6.2, 8.8]
Four or more (n=120)	4.0	[3.0, 5.2]	7.4	[5.0, 10.6]	4.8	[3.8, 5.9]
Don't know (n=2)	0.1	[0.0, 0.3]	0.0		0.1	[0.0, 0.2]
<b>Total (n=3,094)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
<hr/>						
Pearson: Uncorrected chi2(4) =	42.7068					
Design-based F(3.73, 11498.82) =	6.4671	Pr =	0.000			
<hr/>						
<b>Homeless in the last 12 months</b>						
Yes (n=195)	7.6	[6.2, 9.2]	8.8	[6.3, 12.2]	7.9	[6.7, 9.3]
No (n=2,894)	92.4	[90.8, 93.8]	91.2	[87.8, 93.7]	92.1	[90.7, 93.3]
<b>Total (n=3,089)</b>	<b>100.0</b>		<b>100.0</b>		<b>100.0</b>	
<hr/>						
Pearson: Uncorrected chi2(1) =	1.1505					
Design-based F(1.00, 3077.00) =	0.5876	Pr =	0.443			

### 0.3 Q: Are you currently in school?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Yes		In school		Total Row%
	Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,387)	11.4	[9.7, 13.4]	88.6	[86.6, 90.3]	100.0
No longer enrolled (n=709)	10.5	[7.6, 14.2]	89.5	[85.8, 92.4]	100.0
Pearson: Uncorrected chi2(1) =	0.4582				
Design-based F(1.00, 3084.00) =	0.2150	Pr =	0.643		
<b>Age</b>					
19-34 (n=908)	23.9	[20.5, 27.7]	76.1	[72.3, 79.5]	100.0
35-50 (n=969)	5.6	[3.8, 8.0]	94.4	[92.0, 96.2]	100.0
51-64 (n=1,219)	1.1	[0.6, 2.2]	98.9	[97.8, 99.4]	100.0
Pearson: Uncorrected chi2(2) =	312.3618				
Design-based F(1.84, 5660.07) =	92.8398	Pr =	0.000		
<b>Gender</b>					
Male (n=1,230)	11.2	[8.9, 14.0]	88.8	[86.0, 91.1]	100.0
Female (n=1,866)	11.2	[9.3, 13.4]	88.8	[86.6, 90.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0002				
Design-based F(1.00, 3084.00) =	0.0001	Pr =	0.992		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=2,058)	9.5	[7.8, 11.6]	90.5	[88.4, 92.2]	100.0
Black, non-Hispanic (n=634)	11.2	[8.4, 14.8]	88.8	[85.2, 91.6]	100.0
Hispanic (n=138)	14.5	[7.3, 26.8]	85.5	[73.2, 92.7]	100.0
Other, non-Hispanic (n=227)	21.0	[14.6, 29.3]	79.0	[70.7, 85.4]	100.0
Pearson: Uncorrected chi2(3) =	32.5265				
Design-based F(2.94, 8960.36) =	4.5625	Pr =	0.004		
<b>FPL category</b>					
0-35% (n=1,218)	10.4	[8.1, 13.1]	89.6	[86.9, 91.9]	100.0
36-99% (n=1,084)	11.0	[8.7, 13.7]	89.0	[86.3, 91.3]	100.0
100%+ (n=794)	13.6	[10.6, 17.3]	86.4	[82.7, 89.4]	100.0
Pearson: Uncorrected chi2(2) =	4.8637				
Design-based F(1.93, 5950.44) =	1.3454	Pr =	0.260		
<b>Region</b>					
UP/NW/NE (n=574)	5.1	[3.4, 7.5]	94.9	[92.5, 96.6]	100.0
W/E Central/E (n=980)	8.8	[6.7, 11.6]	91.2	[88.4, 93.3]	100.0
S Central/SW/SE (n=633)	11.3	[8.6, 14.9]	88.7	[85.1, 91.4]	100.0
Detroit Metro (n=909)	14.1	[11.3, 17.4]	85.9	[82.6, 88.7]	100.0
Pearson: Uncorrected chi2(3) =	26.6380				
Design-based F(2.57, 7925.84) =	6.1057	Pr =	0.001		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=2,468)	7.7	[6.3, 9.4]	92.3	[90.6, 93.7]	100.0
No (n=628)	22.6	[18.5, 27.4]	77.4	[72.6, 81.5]	100.0
Pearson: Uncorrected chi2(1) =	123.0861				
Design-based F(1.00, 3084.00) =	58.2181	Pr =	0.000		
<b>Total (n=3,096)</b>	<b>11.2</b>	<b>[9.7, 12.9]</b>	<b>88.8</b>	<b>[87.1, 90.3]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 0.3.1 Q: Are you a full-time or part-time student?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are in school (n = 255)

	Student status						Total Row%
	Full-time		Part-time		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=199)	62.0	[53.3, 70.1]	38.0	[29.9, 46.7]	0.0		100.0
No longer enrolled (n=55)	59.5	[42.7, 74.3]	39.6	[24.9, 56.5]	0.9	[0.1, 6.0]	100.0
Pearson: Uncorrected chi2(2) =	1.7799						
Design-based F(1.56, 378.22) =	0.8452		Pr =	0.405			
<b>Age</b>							
19-34 (n=195)	66.0	[57.3, 73.7]	33.8	[26.0, 42.5]	0.2	[0.0, 1.7]	100.0
35-50 (n=48)	41.8	[24.5, 61.4]	58.2	[38.6, 75.5]	0.0		100.0
51-64 (n=11)	54.2	[23.4, 82.1]	45.8	[17.9, 76.6]	0.0		100.0
Pearson: Uncorrected chi2(4) =	9.3380						
Design-based F(3.33, 805.77) =	2.3199		Pr =	0.067			
<b>Gender</b>							
Male (n=96)	65.3	[52.5, 76.1]	34.3	[23.5, 47.1]	0.4	[0.1, 2.9]	100.0
Female (n=158)	58.1	[48.4, 67.3]	41.9	[32.7, 51.6]	0.0		100.0
Pearson: Uncorrected chi2(2) =	1.9968						
Design-based F(1.54, 372.91) =	0.9262		Pr =	0.375			
<b>Race/ethnicity</b>							
White, non-Hispanic (n=148)	58.7	[48.2, 68.5]	40.9	[31.2, 51.4]	0.4	[0.1, 2.7]	100.0
Black, non-Hispanic (n=60)	69.3	[55.1, 80.7]	30.7	[19.3, 44.9]	0.0		100.0
Hispanic (n=11)	65.4	[26.9, 90.7]	34.6	[9.3, 73.1]	0.0		100.0
Other, non-Hispanic (n=33)	57.1	[36.4, 75.7]	42.9	[24.3, 63.6]	0.0		100.0
Pearson: Uncorrected chi2(6) =	3.0054						
Design-based F(5.19, 1245.92) =	0.2993		Pr =	0.919			
<b>FPL category</b>							
0-35% (n=90)	59.8	[46.6, 71.6]	40.2	[28.4, 53.4]	0.0		100.0
36-99% (n=87)	55.5	[43.3, 67.1]	44.5	[32.9, 56.7]	0.0		100.0
100%+ (n=77)	71.4	[59.5, 81.0]	27.8	[18.3, 39.8]	0.8	[0.1, 5.4]	100.0
Pearson: Uncorrected chi2(4) =	5.5460						
Design-based F(2.96, 716.26) =	1.6502		Pr =	0.177			
<b>Region</b>							
UP/NW/NE (n=27)	50.2	[29.8, 70.6]	45.2	[25.6, 66.4]	4.6	[0.6, 27.2]	100.0
W/E Central/E (n=67)	70.1	[56.8, 80.6]	29.9	[19.4, 43.2]	0.0		100.0
S Central/SW/SE (n=57)	55.4	[41.0, 69.1]	44.6	[30.9, 59.0]	0.0		100.0
Detroit Metro (n=103)	60.6	[48.5, 71.6]	39.4	[28.4, 51.5]	0.0		100.0
Pearson: Uncorrected chi2(6) =	14.1521						
Design-based F(4.25, 1029.61) =	3.3475		Pr =	0.008			
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=144)	61.2	[51.1, 70.5]	38.4	[29.1, 48.6]	0.4	[0.0, 2.5]	100.0
No (n=110)	61.7	[49.7, 72.5]	38.3	[27.5, 50.3]	0.0		100.0
Pearson: Uncorrected chi2(2) =	0.4257						
Design-based F(1.56, 378.01) =	0.2045		Pr =	0.760			
<b>Total (n=254)</b>	61.5	[53.7, 68.7]	38.3	[31.1, 46.1]	0.2	[0.0, 1.3]	100.0

Note: Total count is less than universe count due to item non-response.

## 0.4 Q: Are you currently employed or self-employed?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Employed/self-employed				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,385)	55.4	[52.8, 57.9]	44.6	[42.1, 47.2]	100.0
No longer enrolled (n=708)	62.9	[58.5, 67.2]	37.1	[32.8, 41.5]	100.0
Pearson: Uncorrected chi2(1) =	12.7472				
Design-based F(1.00, 3081.00) =	8.1366	Pr =	0.004		
<b>Age</b>					
19-34 (n=907)	67.5	[63.5, 71.2]	32.5	[28.8, 36.5]	100.0
35-50 (n=968)	56.8	[52.9, 60.7]	43.2	[39.3, 47.1]	100.0
51-64 (n=1,218)	43.9	[40.6, 47.3]	56.1	[52.7, 59.4]	100.0
Pearson: Uncorrected chi2(2) =	113.3858				
Design-based F(1.93, 5953.22) =	34.9793	Pr =	0.000		
<b>Gender</b>					
Male (n=1,229)	56.6	[53.1, 60.1]	43.4	[39.9, 46.9]	100.0
Female (n=1,864)	57.6	[54.8, 60.4]	42.4	[39.6, 45.2]	100.0
Pearson: Uncorrected chi2(1) =	0.2732				
Design-based F(1.00, 3081.00) =	0.1629	Pr =	0.687		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=2,058)	54.9	[52.2, 57.7]	45.1	[42.3, 47.8]	100.0
Black, non-Hispanic (n=630)	58.6	[53.8, 63.2]	41.4	[36.8, 46.2]	100.0
Hispanic (n=138)	71.1	[62.1, 78.7]	28.9	[21.3, 37.9]	100.0
Other, non-Hispanic (n=228)	61.8	[53.8, 69.2]	38.2	[30.8, 46.2]	100.0
Pearson: Uncorrected chi2(3) =	18.6156				
Design-based F(2.95, 8972.69) =	3.7810	Pr =	0.010		
<b>FPL category</b>					
0-35% (n=1,216)	43.9	[40.3, 47.6]	56.1	[52.4, 59.7]	100.0
36-99% (n=1,082)	70.8	[67.7, 73.8]	29.2	[26.2, 32.3]	100.0
100%+ (n=795)	72.8	[69.1, 76.1]	27.2	[23.9, 30.9]	100.0
Pearson: Uncorrected chi2(2) =	242.7716				
Design-based F(1.92, 5901.35) =	96.2913	Pr =	0.000		
<b>Region</b>					
UP/NW/NE (n=574)	56.2	[51.7, 60.5]	43.8	[39.5, 48.3]	100.0
W/E Central/E (n=979)	54.9	[51.4, 58.3]	45.1	[41.7, 48.6]	100.0
S Central/SW/SE (n=633)	60.1	[55.7, 64.4]	39.9	[35.6, 44.3]	100.0
Detroit Metro (n=907)	57.6	[53.6, 61.5]	42.4	[38.5, 46.4]	100.0
Pearson: Uncorrected chi2(3) =	4.1749				
Design-based F(2.64, 8118.94) =	1.1697	Pr =	0.317		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=2,467)	53.1	[50.6, 55.6]	46.9	[44.4, 49.4]	100.0
No (n=626)	70.5	[65.6, 75.0]	29.5	[25.0, 34.4]	100.0
Pearson: Uncorrected chi2(1) =	67.4404				
Design-based F(1.00, 3081.00) =	35.1421	Pr =	0.000		
<b>Total (n=3,093)</b>	<b>57.1</b>	<b>[55.0, 59.3]</b>	<b>42.9</b>	<b>[40.7, 45.0]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

#### 0.4.1 Q: Are you working full time or part time?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are employed/self-employed (n = 1,746)

	Employment status				Total Row%
	Full-time Row%	95%CI	Part-time Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=1,309)	41.6	[38.2, 45.1]	58.4	[54.9, 61.8]	100.0
No longer enrolled (n=422)	69.2	[63.5, 74.3]	30.8	[25.7, 36.5]	100.0
Pearson: Uncorrected chi2(1) = Design-based F(1.00, 1719.00) =	100.1657 62.3638	Pr =	0.000		
<b>Age</b>					
19-34 (n=639)	53.0	[48.1, 58.0]	47.0	[42.0, 51.9]	100.0
35-50 (n=562)	49.8	[44.6, 55.1]	50.2	[44.9, 55.4]	100.0
51-64 (n=530)	38.1	[33.1, 43.3]	61.9	[56.7, 66.9]	100.0
Pearson: Uncorrected chi2(2) = Design-based F(1.93, 3314.41) =	23.1741 7.5250	Pr =	0.001		
<b>Gender</b>					
Male (n=685)	51.6	[46.7, 56.4]	48.4	[43.6, 53.3]	100.0
Female (n=1,046)	46.1	[42.4, 50.0]	53.9	[50.0, 57.6]	100.0
Pearson: Uncorrected chi2(1) = Design-based F(1.00, 1719.00) =	5.1189 2.9619	Pr =	0.085		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=1,126)	46.1	[42.4, 49.8]	53.9	[50.2, 57.6]	100.0
Black, non-Hispanic (n=367)	53.5	[46.8, 60.1]	46.5	[39.9, 53.2]	100.0
Hispanic (n=88)	55.2	[42.4, 67.4]	44.8	[32.6, 57.6]	100.0
Other, non-Hispanic (n=131)	47.5	[37.3, 57.9]	52.5	[42.1, 62.7]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.99, 5074.86) =	8.9128 1.6003	Pr =	0.187		
<b>FPL category</b>					
0-35% (n=477)	40.3	[34.7, 46.2]	59.7	[53.8, 65.3]	100.0
36-99% (n=714)	50.2	[45.7, 54.6]	49.8	[45.4, 54.3]	100.0
100%+ (n=540)	60.1	[55.2, 64.8]	39.9	[35.2, 44.8]	100.0
Pearson: Uncorrected chi2(2) = Design-based F(1.87, 3216.73) =	42.9402 13.7404	Pr =	0.000		
<b>Region</b>					
UP/NW/NE (n=317)	53.3	[47.2, 59.3]	46.7	[40.7, 52.8]	100.0
W/E Central/E (n=519)	46.4	[41.5, 51.3]	53.6	[48.7, 58.5]	100.0
S Central/SW/SE (n=361)	51.8	[45.7, 57.8]	48.2	[42.2, 54.3]	100.0
Detroit Metro (n=534)	47.8	[42.4, 53.3]	52.2	[46.7, 57.6]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.64, 4536.32) =	3.8550 1.0113	Pr =	0.380		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=1,272)	47.5	[43.9, 51.2]	52.5	[48.8, 56.1]	100.0
No (n=459)	51.6	[45.9, 57.2]	48.4	[42.8, 54.1]	100.0
Pearson: Uncorrected chi2(1) = Design-based F(1.00, 1719.00) =	2.2964 1.3804	Pr =	0.240		
<b>Total (n=1,731)</b>	<b>48.7</b>	<b>[45.7, 51.7]</b>	<b>51.3</b>	<b>[48.3, 54.3]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

#### 0.4.2 Q: Have you changed jobs in the last 12 months?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are employed/self-employed (n = 1,746)

	Job change in last 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=1,318)	20.2	[17.5, 23.2]	79.8	[76.8, 82.5]	0.0	[0.0, 0.2]	100.0
No longer enrolled (n=423)	28.5	[23.6, 34.0]	71.5	[66.0, 76.4]	0.0		100.0
Pearson: Uncorrected chi2(2) =	13.3741						
Design-based F(1.48, 2550.43) =	6.6929	Pr =	0.004				
<b>Age</b>							
19-34 (n=641)	29.4	[25.3, 34.0]	70.6	[66.0, 74.7]	0.0		100.0
35-50 (n=566)	18.6	[14.9, 23.0]	81.4	[77.0, 85.1]	0.0		100.0
51-64 (n=534)	13.6	[10.1, 18.0]	86.3	[81.9, 89.8]	0.1	[0.0, 0.7]	100.0
Pearson: Uncorrected chi2(4) =	45.4996						
Design-based F(3.39, 5855.06) =	8.5319	Pr =	0.000				
<b>Gender</b>							
Male (n=686)	22.2	[18.5, 26.3]	77.8	[73.7, 81.5]	0.0		100.0
Female (n=1,055)	22.4	[19.3, 25.8]	77.5	[74.1, 80.6]	0.0	[0.0, 0.3]	100.0
Pearson: Uncorrected chi2(2) =	0.3667						
Design-based F(1.45, 2511.67) =	0.1758	Pr =	0.767				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,135)	21.7	[18.8, 24.9]	78.2	[75.1, 81.1]	0.0	[0.0, 0.3]	100.0
Black, non-Hispanic (n=367)	21.1	[16.5, 26.7]	78.9	[73.3, 83.5]	0.0		100.0
Hispanic (n=88)	25.9	[15.2, 40.4]	74.1	[59.6, 84.8]	0.0		100.0
Other, non-Hispanic (n=131)	27.8	[19.1, 38.4]	72.2	[61.6, 80.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.3826						
Design-based F(5.21, 8910.97) =	0.4370	Pr =	0.830				
<b>FPL category</b>							
0-35% (n=478)	22.2	[17.8, 27.4]	77.8	[72.6, 82.2]	0.0		100.0
36-99% (n=716)	22.5	[19.1, 26.3]	77.4	[73.6, 80.9]	0.1	[0.0, 0.5]	100.0
100%+ (n=547)	22.1	[18.3, 26.5]	77.9	[73.5, 81.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	0.7888						
Design-based F(2.83, 4900.69) =	0.2040	Pr =	0.884				
<b>Region</b>							
UP/NW/NE (n=316)	21.7	[17.0, 27.3]	78.3	[72.7, 83.0]	0.0		100.0
W/E Central/E (n=528)	21.4	[17.7, 25.7]	78.6	[74.3, 82.3]	0.0		100.0
S Central/SW/SE (n=363)	29.3	[23.8, 35.4]	70.6	[64.5, 76.0]	0.1	[0.0, 0.8]	100.0
Detroit Metro (n=534)	19.9	[15.9, 24.6]	80.1	[75.4, 84.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	14.0456						
Design-based F(3.89, 6727.60) =	2.8355	Pr =	0.024				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,280)	22.4	[19.6, 25.6]	77.5	[74.4, 80.4]	0.0	[0.0, 0.2]	100.0
No (n=461)	22.0	[17.8, 26.8]	78.0	[73.2, 82.2]	0.0		100.0
Pearson: Uncorrected chi2(2) =	0.2114						
Design-based F(1.48, 2552.49) =	0.1061	Pr =	0.839				
<b>Total (n=1,741)</b>	<b>22.3</b>	<b>[19.9, 24.9]</b>	<b>77.7</b>	<b>[75.1, 80.1]</b>	<b>0.0</b>	<b>[0.0, 0.2]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

**0.4.3 Q: Are you out of work, unable to work, retired, or not looking for work at this time?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are not employed/self-employed (n = 1,354)

	Out of work		Unable to work		Unemployed status		Not looking for work		Total Row%
	Row%	95%CI	Row%	95%CI	Retired Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=1,056)	35.5	[31.8, 39.4]	39.3	[35.6, 43.0]	7.4	[6.0, 9.0]	17.9	[15.0, 21.2]	100.0
No longer enrolled (n=281)	26.2	[20.1, 33.3]	49.2	[42.1, 56.4]	12.9	[9.0, 18.1]	11.7	[8.1, 16.7]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.95, 3902.85) =	23.2630 5.7215	Pr =	0.001						
<b>Age</b>									
19-34 (n=266)	49.1	[41.7, 56.5]	22.7	[17.0, 29.7]	0.0		28.2	[22.1, 35.2]	100.0
35-50 (n=395)	34.9	[29.3, 41.1]	50.4	[44.3, 56.4]	1.1	[0.5, 2.6]	13.6	[9.9, 18.3]	100.0
51-64 (n=676)	20.4	[16.8, 24.4]	47.3	[42.8, 51.8]	21.9	[18.5, 25.7]	10.4	[8.0, 13.5]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.52, 7312.29) =	311.8039 35.3011	Pr =	0.000						
<b>Gender</b>									
Male (n=540)	40.9	[35.7, 46.3]	41.8	[36.7, 47.1]	9.4	[7.1, 12.3]	7.9	[5.4, 11.5]	100.0
Female (n=797)	27.0	[23.2, 31.2]	40.7	[36.6, 45.0]	7.7	[6.2, 9.5]	24.6	[20.8, 28.8]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.82, 3741.35) =	75.7995 16.4974	Pr =	0.000						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=914)	31.4	[27.4, 35.7]	42.1	[38.0, 46.3]	9.9	[8.2, 11.9]	16.7	[13.6, 20.3]	100.0
Black, non-Hispanic (n=260)	43.7	[36.8, 51.0]	38.3	[31.6, 45.4]	5.9	[3.4, 10.1]	12.1	[8.3, 17.2]	100.0
Hispanic (n=49)	30.8	[18.3, 47.0]	44.4	[29.5, 60.4]	5.0	[2.0, 12.3]	19.7	[10.0, 35.1]	100.0
Other, non-Hispanic (n=97)	24.0	[14.8, 36.4]	38.8	[27.8, 51.1]	8.2	[3.5, 17.9]	29.0	[18.2, 42.8]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(8.32, 10884.55) =	34.5426 2.6551	Pr =	0.006						
<b>FPL category</b>									
0-35% (n=731)	36.2	[31.9, 40.7]	45.9	[41.5, 50.4]	4.9	[3.4, 7.0]	13.0	[10.1, 16.7]	100.0
36-99% (n=362)	27.6	[22.4, 33.6]	32.3	[27.2, 37.9]	13.8	[10.8, 17.6]	26.3	[21.2, 32.0]	100.0
100%+ (n=244)	28.7	[22.1, 36.2]	29.4	[23.6, 36.1]	20.0	[15.3, 25.5]	22.0	[15.9, 29.5]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.62, 7451.74) =	94.1544 14.0143	Pr =	0.000						
<b>Region</b>									
UP/NW/NE (n=252)	24.3	[18.4, 31.3]	42.0	[35.3, 49.0]	14.7	[11.0, 19.3]	19.0	[13.8, 25.7]	100.0
W/E Central/E (n=451)	30.8	[25.9, 36.1]	45.9	[40.6, 51.3]	8.9	[6.8, 11.7]	14.4	[11.0, 18.7]	100.0
S Central/SW/SE (n=267)	32.1	[26.0, 39.0]	40.1	[33.6, 47.1]	10.3	[7.4, 14.1]	17.4	[12.6, 23.5]	100.0
Detroit Metro (n=367)	38.4	[32.4, 44.8]	38.1	[32.3, 44.2]	6.0	[3.9, 9.2]	17.5	[13.1, 22.9]	100.0
Pearson: Uncorrected chi2(9) = Design-based F(7.74, 10257.64) =	24.3417 2.3291	Pr =	0.018						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=1,175)	30.3	[26.9, 33.8]	45.5	[42.0, 49.1]	9.6	[8.0, 11.5]	14.6	[12.2, 17.4]	100.0
No (n=162)	51.3	[41.4, 61.0]	19.0	[11.8, 29.0]	2.5	[1.2, 5.1]	27.3	[19.5, 36.8]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.56, 3387.09) =	82.3016 15.4685	Pr =	0.000						
<b>Total (n=1,337)</b>	33.6	[30.4, 37.0]	41.3	[38.0, 44.6]	8.5	[7.1, 10.1]	16.6	[14.2, 19.4]	100.0

Note: Total count is less than universe count due to item non-response.

### 0.4.3.1 Q: How long have you been out of work?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are out of work (n = 375)

	Time out of work				Total Row%
	Less than one year		One year or more		
	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=313)	46.0	[39.1, 53.1]	54.0	[46.9, 60.9]	100.0
No longer enrolled (n=60)	55.5	[40.5, 69.5]	44.5	[30.5, 59.5]	100.0
Pearson: Uncorrected chi2(1) =	1.7679				
Design-based F(1.00, 361.00) =	1.2617	Pr =	0.262		
<b>Age</b>					
19-34 (n=128)	61.6	[51.0, 71.1]	38.4	[28.9, 49.0]	100.0
35-50 (n=128)	38.8	[28.8, 49.9]	61.2	[50.1, 71.2]	100.0
51-64 (n=117)	34.8	[25.1, 46.1]	65.2	[53.9, 74.9]	100.0
Pearson: Uncorrected chi2(2) =	21.7851				
Design-based F(1.94, 699.13) =	7.4051	Pr =	0.001		
<b>Gender</b>					
Male (n=186)	46.3	[37.6, 55.1]	53.7	[44.9, 62.4]	100.0
Female (n=187)	49.2	[40.4, 58.1]	50.8	[41.9, 59.6]	100.0
Pearson: Uncorrected chi2(1) =	0.3158				
Design-based F(1.00, 361.00) =	0.2102	Pr =	0.647		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=232)	48.0	[39.8, 56.4]	52.0	[43.6, 60.2]	100.0
Black, non-Hispanic (n=104)	45.5	[34.8, 56.5]	54.5	[43.5, 65.2]	100.0
Hispanic (n=14)	74.7	[47.0, 90.8]	25.3	[9.2, 53.0]	100.0
Other, non-Hispanic (n=21)	42.5	[20.8, 67.6]	57.5	[32.4, 79.2]	100.0
Pearson: Uncorrected chi2(3) =	3.7863				
Design-based F(2.82, 1013.26) =	1.0013	Pr =	0.388		
<b>FPL category</b>					
0-35% (n=231)	42.9	[35.1, 51.0]	57.1	[49.0, 64.9]	100.0
36-99% (n=86)	52.8	[40.5, 64.7]	47.2	[35.3, 59.5]	100.0
100%+ (n=56)	71.5	[57.6, 82.3]	28.5	[17.7, 42.4]	100.0
Pearson: Uncorrected chi2(2) =	12.3100				
Design-based F(1.96, 705.79) =	6.2464	Pr =	0.002		
<b>Region</b>					
UP/NW/NE (n=53)	38.4	[23.9, 55.3]	61.6	[44.7, 76.1]	100.0
W/E Central/E (n=123)	48.9	[38.9, 59.1]	51.1	[40.9, 61.1]	100.0
S Central/SW/SE (n=76)	50.1	[37.9, 62.2]	49.9	[37.8, 62.1]	100.0
Detroit Metro (n=121)	47.1	[36.7, 57.7]	52.9	[42.3, 63.3]	100.0
Pearson: Uncorrected chi2(3) =	1.0917				
Design-based F(2.73, 985.04) =	0.3211	Pr =	0.791		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=296)	43.2	[36.2, 50.5]	56.8	[49.5, 63.8]	100.0
No (n=77)	61.0	[47.2, 73.2]	39.0	[26.8, 52.8]	100.0
Pearson: Uncorrected chi2(1) =	8.6584				
Design-based F(1.00, 361.00) =	5.1129	Pr =	0.024		
<b>Total (n=373)</b>	<b>47.5</b>	<b>[41.2, 53.9]</b>	<b>52.5</b>	<b>[46.1, 58.8]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 0.4.3.2 Q: How long have you been unable to work?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are unable to work (n = 570)

	Time unable to work				Total Row%
	Less than one year		One year or more		
	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=433)	12.2	[8.4, 17.4]	87.8	[82.6, 91.6]	100.0
No longer enrolled (n=137)	13.6	[8.0, 22.3]	86.4	[77.7, 92.0]	100.0
Pearson: Uncorrected chi2(1) =	0.1837				
Design-based F(1.00, 558.00) =	0.1120	Pr =	0.738		
<b>Age</b>					
19-34 (n=55)	25.5	[13.1, 43.7]	74.5	[56.3, 86.9]	100.0
35-50 (n=202)	13.5	[8.9, 20.0]	86.5	[80.0, 91.1]	100.0
51-64 (n=313)	6.8	[4.3, 10.5]	93.2	[89.5, 95.7]	100.0
Pearson: Uncorrected chi2(2) =	21.5054				
Design-based F(1.74, 971.07) =	5.8412	Pr =	0.005		
<b>Gender</b>					
Male (n=232)	12.2	[7.4, 19.3]	87.8	[80.7, 92.6]	100.0
Female (n=338)	13.0	[8.8, 18.6]	87.0	[81.4, 91.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0826				
Design-based F(1.00, 558.00) =	0.0424	Pr =	0.837		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=394)	12.1	[8.4, 17.1]	87.9	[82.9, 91.6]	100.0
Black, non-Hispanic (n=102)	16.5	[8.9, 28.7]	83.5	[71.3, 91.1]	100.0
Hispanic (n=20)	0.0		100.0		100.0
Other, non-Hispanic (n=44)	7.5	[1.4, 31.3]	92.5	[68.7, 98.6]	100.0
Pearson: Uncorrected chi2(3) =	5.9410				
Design-based F(2.88, 1578.62) =	1.0234	Pr =	0.379		
<b>FPL category</b>					
0-35% (n=365)	11.8	[7.9, 17.4]	88.2	[82.6, 92.1]	100.0
36-99% (n=125)	17.5	[11.3, 26.2]	82.5	[73.8, 88.7]	100.0
100%+ (n=80)	10.9	[5.8, 19.4]	89.1	[80.6, 94.2]	100.0
Pearson: Uncorrected chi2(2) =	2.2495				
Design-based F(1.82, 1017.21) =	1.1955	Pr =	0.300		
<b>Region</b>					
UP/NW/NE (n=109)	14.0	[7.7, 24.1]	86.0	[75.9, 92.3]	100.0
W/E Central/E (n=203)	13.5	[8.5, 20.8]	86.5	[79.2, 91.5]	100.0
S Central/SW/SE (n=112)	8.4	[3.8, 17.5]	91.6	[82.5, 96.2]	100.0
Detroit Metro (n=146)	13.2	[7.4, 22.3]	86.8	[77.7, 92.6]	100.0
Pearson: Uncorrected chi2(3) =	1.8407				
Design-based F(2.64, 1470.44) =	0.4134	Pr =	0.718		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=546)	10.8	[7.9, 14.5]	89.2	[85.5, 92.1]	100.0
No (n=24)	35.0	[14.8, 62.6]	65.0	[37.4, 85.2]	100.0
Pearson: Uncorrected chi2(1) =	21.2026				
Design-based F(1.00, 558.00) =	7.1949	Pr =	0.008		
<b>Total (n=570)</b>	<b>12.6</b>	<b>[9.2, 16.9]</b>	<b>87.4</b>	<b>[83.1, 90.8]</b>	<b>100.0</b>

### 0.4.3.3 Q: Why are you unable to work?

*Follow-up group(s):* Still enrolled, No longer enrolled

*Universe:* Respondents who are unable to work (n = 570)

Why are you unable to work?	Weighted Proportion	95%CI
Poor health (n=324)	52.9	[47.7, 58.0]
Disability (n=212)	41.0	[36.0, 46.2]
Other (n=24)	4.8	[2.8, 8.2]
Caregiving responsibilities (n=18)	2.7	[1.5, 4.6]
Don't know (n=3)	1.2	[0.4, 3.6]
Age (n=3)	0.5	[0.1, 1.6]

#### 0.4.3.4 Q: How long have you been retired?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are retired (n = 184)

	Time retired				Total Row%
	Less than one year		One year or more		
	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=133)	15.9	[8.7, 27.4]	84.1	[72.6, 91.3]	100.0
No longer enrolled (n=50)	15.8	[7.0, 31.8]	84.2	[68.2, 93.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0004				
Design-based F(1.00, 171.00) =	0.0002	Pr =	0.988		
<b>Age</b>					
35-50 (n=7)	48.4	[13.8, 84.6]	51.6	[15.4, 86.2]	100.0
51-64 (n=176)	14.4	[8.4, 23.8]	85.6	[76.2, 91.6]	100.0
Pearson: Uncorrected chi2(1) =	6.5689				
Design-based F(1.00, 171.00) =	3.9759	Pr =	0.048		
<b>Gender</b>					
Male (n=80)	18.1	[8.7, 33.9]	81.9	[66.1, 91.3]	100.0
Female (n=103)	13.4	[7.1, 24.0]	86.6	[76.0, 92.9]	100.0
Pearson: Uncorrected chi2(1) =	0.7646				
Design-based F(1.00, 171.00) =	0.4224	Pr =	0.517		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=146)	15.8	[8.9, 26.5]	84.2	[73.5, 91.1]	100.0
Black, non-Hispanic (n=21)	16.0	[4.6, 43.0]	84.0	[57.0, 95.4]	100.0
Hispanic (n=5)	0.0		100.0		100.0
Other, non-Hispanic (n=10)	21.6	[6.1, 53.8]	78.4	[46.2, 93.9]	100.0
Pearson: Uncorrected chi2(3) =	1.0080				
Design-based F(2.69, 457.29) =	0.2459	Pr =	0.844		
<b>FPL category</b>					
0-35% (n=49)	21.8	[9.6, 42.2]	78.2	[57.8, 90.4]	100.0
36-99% (n=70)	14.6	[6.5, 29.6]	85.4	[70.4, 93.5]	100.0
100%+ (n=64)	9.5	[4.1, 20.3]	90.5	[79.7, 95.9]	100.0
Pearson: Uncorrected chi2(2) =	3.6577				
Design-based F(1.83, 313.29) =	1.1332	Pr =	0.320		
<b>Region</b>					
UP/NW/NE (n=50)	15.8	[7.2, 31.0]	84.2	[69.0, 92.8]	100.0
W/E Central/E (n=61)	12.2	[5.1, 26.5]	87.8	[73.5, 94.9]	100.0
S Central/SW/SE (n=38)	10.6	[4.2, 24.5]	89.4	[75.5, 95.8]	100.0
Detroit Metro (n=34)	23.7	[9.0, 49.6]	76.3	[50.4, 91.0]	100.0
Pearson: Uncorrected chi2(3) =	3.9516				
Design-based F(2.45, 418.47) =	0.8736	Pr =	0.437		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=175)	15.9	[9.5, 25.6]	84.1	[74.4, 90.5]	100.0
No (n=8)	15.3	[3.4, 48.2]	84.7	[51.8, 96.6]	100.0
Pearson: Uncorrected chi2(1) =	0.0022				
Design-based F(1.00, 171.00) =	0.0027	Pr =	0.959		
<b>Total (n=183)</b>	<b>15.9</b>	<b>[9.6, 25.1]</b>	<b>84.1</b>	<b>[74.9, 90.4]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 0.5 Q: The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are employed/self-employed and have not changed jobs in the past 12 months (n = 1,378)

	HMP gave me insurance when I couldn't get it through my job								Total Row%
	Yes Row%	95%CI	No Row%	95%CI	NA Row%	95%CI	Don't know Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=1,069)	80.4	[76.9, 83.5]	7.0	[5.1, 9.4]	12.0	[9.5, 15.0]	0.6	[0.2, 1.6]	100.0
No longer enrolled (n=304)	79.2	[72.7, 84.6]	8.3	[5.5, 12.4]	10.9	[6.9, 16.9]	1.5	[0.4, 5.7]	100.0
Pearson: Uncorrected chi2(3) =	3.2613								
Design-based F(2.93, 3983.21) =	0.5904	Pr =	0.617						
<b>Age</b>									
19-34 (n=445)	78.1	[72.9, 82.6]	7.8	[5.3, 11.3]	14.1	[10.5, 18.8]	0.0		100.0
35-50 (n=458)	81.3	[75.6, 85.9]	8.3	[5.3, 12.6]	9.2	[5.9, 14.1]	1.3	[0.5, 3.5]	100.0
51-64 (n=470)	81.8	[76.6, 86.0]	5.1	[3.4, 7.6]	11.6	[8.0, 16.3]	1.5	[0.4, 5.4]	100.0
Pearson: Uncorrected chi2(6) =	16.6497								
Design-based F(5.64, 7682.03) =	1.5621	Pr =	0.158						
<b>Gender</b>									
Male (n=537)	78.2	[73.0, 82.7]	6.8	[4.5, 10.2]	14.1	[10.4, 18.8]	0.9	[0.3, 2.6]	100.0
Female (n=836)	81.8	[78.2, 85.0]	7.7	[5.7, 10.4]	9.7	[7.4, 12.6]	0.8	[0.2, 2.5]	100.0
Pearson: Uncorrected chi2(3) =	6.6958								
Design-based F(3.00, 4080.13) =	1.1943	Pr =	0.310						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=893)	81.2	[77.5, 84.4]	6.5	[4.8, 8.8]	11.7	[9.1, 15.0]	0.6	[0.1, 2.4]	100.0
Black, non-Hispanic (n=290)	80.5	[73.6, 86.0]	5.7	[3.3, 9.7]	12.6	[8.0, 19.3]	1.2	[0.3, 4.4]	100.0
Hispanic (n=71)	76.9	[64.5, 86.0]	12.1	[6.0, 22.7]	8.9	[3.6, 20.3]	2.1	[0.6, 6.7]	100.0
Other, non-Hispanic (n=102)	76.9	[62.8, 86.8]	12.0	[4.8, 27.0]	11.0	[5.1, 22.3]	0.0		100.0
Pearson: Uncorrected chi2(9) =	13.4873								
Design-based F(8.00, 10755.12) =	0.7938	Pr =	0.608						
<b>FPL category</b>									
0-35% (n=371)	77.1	[70.9, 82.3]	7.8	[4.8, 12.3]	14.6	[10.4, 20.2]	0.5	[0.1, 3.5]	100.0
36-99% (n=566)	82.2	[77.9, 85.9]	5.7	[4.0, 8.1]	10.5	[7.5, 14.3]	1.6	[0.6, 4.0]	100.0
100%+ (n=436)	82.1	[77.4, 85.9]	8.6	[6.0, 12.3]	9.0	[6.3, 12.6]	0.4	[0.1, 1.6]	100.0
Pearson: Uncorrected chi2(6) =	15.1322								
Design-based F(5.26, 7159.56) =	1.5686	Pr =	0.162						
<b>Region</b>									
UP/NW/NE (n=253)	80.1	[73.8, 85.2]	9.8	[6.0, 15.6]	9.9	[6.7, 14.3]	0.2	[0.0, 1.6]	100.0
W/E Central/E (n=422)	82.0	[77.4, 85.9]	7.7	[5.1, 11.3]	9.5	[6.8, 13.1]	0.8	[0.3, 2.2]	100.0
S Central/SW/SE (n=269)	82.2	[76.0, 87.0]	5.4	[3.1, 9.1]	12.1	[8.0, 17.9]	0.4	[0.1, 2.7]	100.0
Detroit Metro (n=429)	78.1	[72.3, 83.0]	7.3	[4.7, 11.2]	13.4	[9.5, 18.7]	1.1	[0.3, 3.7]	100.0
Pearson: Uncorrected chi2(9) =	8.4676								
Design-based F(7.46, 10146.42) =	0.8007	Pr =	0.594						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=1,014)	82.2	[78.6, 85.3]	7.5	[5.6, 10.1]	9.6	[7.2, 12.6]	0.7	[0.3, 1.8]	100.0
No (n=359)	75.0	[68.9, 80.2]	6.6	[4.3, 10.2]	17.2	[12.7, 22.9]	1.2	[0.3, 4.7]	100.0
Pearson: Uncorrected chi2(3) =	16.7774								
Design-based F(2.94, 4007.70) =	3.0440	Pr =	0.029						
<b>Total (n=1,373)</b>	<b>80.1</b>	<b>[77.1, 82.9]</b>	<b>7.3</b>	<b>[5.7, 9.3]</b>	<b>11.7</b>	<b>[9.5, 14.4]</b>	<b>0.8</b>	<b>[0.4, 1.8]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 0.6 Q: Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are in school, employed/self-employed and have changed jobs in the past 12 months, or not employed/self-employed and are not looking for work at this time (n = 749)

	HMP helped me stay insured								Total Row%
	Yes Row%	95%CI	No Row%	95%CI	NA Row%	95%CI	Don't know Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=551)	78.3	[73.9, 82.2]	6.6	[4.3, 10.0]	12.5	[9.9, 15.8]	2.5	[1.2, 5.1]	100.0
No longer enrolled (n=192)	74.6	[66.0, 81.7]	10.6	[5.6, 19.2]	14.8	[10.0, 21.4]	0.0		100.0
Pearson: Uncorrected chi2(3) =	8.6026								
Design-based F(2.86, 2091.81) =	1.6592	Pr =	0.176						
<b>Age</b>									
19-34 (n=402)	78.4	[72.8, 83.1]	8.1	[4.9, 13.0]	11.7	[8.7, 15.6]	1.8	[0.7, 5.0]	100.0
35-50 (n=199)	79.0	[72.1, 84.6]	7.2	[4.1, 12.4]	13.2	[8.9, 19.1]	0.5	[0.1, 2.2]	100.0
51-64 (n=142)	69.4	[59.7, 77.6]	6.3	[3.2, 12.2]	19.4	[13.2, 27.7]	4.8	[1.6, 13.8]	100.0
Pearson: Uncorrected chi2(6) =	11.3645								
Design-based F(5.35, 3910.37) =	1.6032	Pr =	0.151						
<b>Gender</b>									
Male (n=255)	77.0	[69.8, 82.9]	8.2	[4.4, 14.9]	13.0	[9.1, 18.2]	1.8	[0.4, 6.7]	100.0
Female (n=488)	77.6	[73.0, 81.7]	7.2	[4.8, 10.7]	13.2	[10.3, 16.8]	2.0	[0.9, 4.3]	100.0
Pearson: Uncorrected chi2(3) =	0.3127								
Design-based F(2.85, 2081.90) =	0.0558	Pr =	0.979						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=477)	79.8	[75.1, 83.9]	5.7	[3.3, 9.7]	13.5	[10.5, 17.1]	1.0	[0.3, 2.8]	100.0
Black, non-Hispanic (n=151)	79.5	[71.3, 85.9]	6.6	[3.3, 12.7]	10.4	[6.2, 17.2]	3.4	[1.2, 9.2]	100.0
Hispanic (n=33)	58.7	[35.9, 78.3]	20.1	[5.8, 50.8]	20.3	[9.0, 39.6]	0.9	[0.1, 6.1]	100.0
Other, non-Hispanic (n=74)	74.0	[61.1, 83.8]	11.8	[5.8, 22.3]	10.9	[5.5, 20.2]	3.4	[0.5, 20.2]	100.0
Pearson: Uncorrected chi2(9) =	24.1956								
Design-based F(7.32, 5295.83) =	1.5856	Pr =	0.131						
<b>FPL category</b>									
0-35% (n=254)	76.7	[69.6, 82.5]	9.0	[5.2, 15.2]	10.9	[7.4, 15.8]	3.4	[1.5, 7.7]	100.0
36-99% (n=285)	75.0	[69.0, 80.2]	8.6	[5.4, 13.7]	15.6	[11.7, 20.6]	0.8	[0.3, 2.2]	100.0
100%+ (n=204)	81.9	[75.2, 87.1]	3.5	[1.3, 8.9]	14.4	[9.9, 20.4]	0.2	[0.0, 1.5]	100.0
Pearson: Uncorrected chi2(6) =	16.6212								
Design-based F(5.03, 3680.32) =	2.4821	Pr =	0.029						
<b>Region</b>									
UP/NW/NE (n=119)	79.4	[70.4, 86.1]	6.1	[2.8, 12.8]	13.4	[8.1, 21.3]	1.1	[0.3, 4.6]	100.0
W/E Central/E (n=210)	79.9	[73.3, 85.2]	4.3	[2.0, 8.7]	13.5	[9.3, 19.1]	2.3	[0.7, 7.5]	100.0
S Central/SW/SE (n=170)	75.2	[66.8, 82.1]	6.7	[3.5, 12.7]	17.5	[11.6, 25.4]	0.6	[0.1, 2.3]	100.0
Detroit Metro (n=244)	76.6	[69.6, 82.5]	10.2	[6.1, 16.8]	10.7	[7.5, 15.1]	2.4	[0.8, 6.7]	100.0
Pearson: Uncorrected chi2(9) =	12.5629								
Design-based F(7.28, 5324.88) =	1.3124	Pr =	0.238						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=513)	77.4	[72.7, 81.5]	7.4	[4.8, 11.0]	12.8	[10.0, 16.2]	2.4	[1.1, 5.2]	100.0
No (n=230)	77.4	[69.8, 83.5]	8.1	[4.2, 15.3]	13.7	[9.4, 19.5]	0.8	[0.1, 5.3]	100.0
Pearson: Uncorrected chi2(3) =	2.6948								
Design-based F(2.86, 2091.64) =	0.4959	Pr =	0.676						
<b>Total (n=743)</b>	<b>77.4</b>	<b>[73.4, 80.9]</b>	<b>7.6</b>	<b>[5.3, 10.8]</b>	<b>13.1</b>	<b>[10.7, 16.0]</b>	<b>1.9</b>	<b>[0.9, 3.8]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 0.7 Q: The Healthy Michigan Plan helped me do a better job at work.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are employed/self-employed, or retired for less than one year and not currently a student (n = 1,762)

	HMP helped me do a better job at work								Total Row%
	Yes Row%	95%CI	No Row%	95%CI	NA Row%	95%CI	Don't know Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=1,330)	67.8	[64.4, 71.1]	16.2	[13.6, 19.1]	15.1	[12.7, 17.9]	0.8	[0.5, 1.5]	100.0
No longer enrolled (n=432)	56.0	[49.9, 61.8]	24.7	[19.9, 30.1]	18.5	[14.2, 23.8]	0.8	[0.2, 4.2]	100.0
Pearson: Uncorrected chi2(3) =	22.9409								
Design-based F(2.96, 5181.51) =	4.0198	Pr =	0.007						
<b>Age</b>									
19-34 (n=641)	60.3	[55.3, 65.0]	20.9	[17.1, 25.4]	17.9	[14.5, 22.0]	0.8	[0.4, 1.8]	100.0
35-50 (n=567)	65.9	[60.6, 70.8]	20.6	[16.6, 25.2]	13.1	[9.7, 17.5]	0.4	[0.1, 1.4]	100.0
51-64 (n=554)	72.0	[67.0, 76.5]	10.0	[7.6, 13.1]	16.5	[12.8, 21.2]	1.5	[0.5, 4.4]	100.0
Pearson: Uncorrected chi2(6) =	33.3957								
Design-based F(5.60, 9807.17) =	3.8095	Pr =	0.001						
<b>Gender</b>									
Male (n=695)	64.4	[59.6, 69.0]	17.3	[14.0, 21.2]	17.9	[14.2, 22.2]	0.4	[0.2, 1.1]	100.0
Female (n=1,067)	65.1	[61.3, 68.7]	19.3	[16.2, 22.8]	14.4	[12.1, 17.1]	1.2	[0.6, 2.4]	100.0
Pearson: Uncorrected chi2(3) =	7.2333								
Design-based F(2.84, 4970.91) =	1.5749	Pr =	0.196						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=1,149)	63.6	[60.0, 67.2]	17.5	[14.8, 20.7]	17.8	[15.2, 20.8]	1.0	[0.5, 2.1]	100.0
Black, non-Hispanic (n=370)	67.9	[61.2, 74.0]	16.6	[12.5, 21.8]	14.9	[10.2, 21.3]	0.6	[0.2, 1.8]	100.0
Hispanic (n=88)	54.9	[41.8, 67.4]	32.1	[20.2, 46.8]	13.0	[7.1, 22.6]	0.0		100.0
Other, non-Hispanic (n=135)	70.6	[60.9, 78.7]	18.8	[12.4, 27.5]	9.4	[5.0, 16.7]	1.3	[0.3, 5.2]	100.0
Pearson: Uncorrected chi2(9) =	25.0294								
Design-based F(8.24, 14254.33) =	1.6985	Pr =	0.091						
<b>FPL category</b>									
0-35% (n=485)	66.5	[60.6, 71.9]	18.2	[13.9, 23.4]	14.8	[11.0, 19.7]	0.5	[0.2, 1.3]	100.0
36-99% (n=723)	66.1	[61.8, 70.2]	15.2	[12.5, 18.5]	17.3	[14.1, 21.0]	1.4	[0.6, 3.3]	100.0
100%+ (n=554)	60.3	[55.4, 65.0]	22.8	[18.9, 27.3]	16.2	[12.9, 20.1]	0.7	[0.2, 1.9]	100.0
Pearson: Uncorrected chi2(6) =	14.2342								
Design-based F(5.35, 9362.72) =	1.6427	Pr =	0.140						
<b>Region</b>									
UP/NW/NE (n=323)	67.7	[61.7, 73.1]	15.6	[11.7, 20.6]	15.9	[11.9, 20.9]	0.8	[0.2, 2.8]	100.0
W/E Central/E (n=533)	62.8	[57.9, 67.5]	19.0	[15.5, 23.1]	17.6	[14.0, 22.0]	0.5	[0.2, 1.4]	100.0
S Central/SW/SE (n=366)	66.7	[60.9, 72.1]	17.5	[13.5, 22.3]	14.5	[10.7, 19.2]	1.3	[0.5, 3.3]	100.0
Detroit Metro (n=540)	64.6	[59.0, 69.8]	18.9	[14.8, 23.8]	15.7	[12.0, 20.2]	0.8	[0.3, 2.5]	100.0
Pearson: Uncorrected chi2(9) =	4.6849								
Design-based F(7.59, 13283.17) =	0.4321	Pr =	0.895						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=1,299)	67.8	[64.2, 71.2]	17.3	[14.6, 20.3]	14.2	[11.7, 17.1]	0.7	[0.4, 1.3]	100.0
No (n=463)	57.1	[51.5, 62.5]	21.1	[16.9, 26.0]	20.6	[16.6, 25.3]	1.3	[0.4, 3.7]	100.0
Pearson: Uncorrected chi2(3) =	19.7834								
Design-based F(2.99, 5235.38) =	4.0413	Pr =	0.007						
<b>Total (n=1,762)</b>	<b>64.8</b>	<b>[61.8, 67.7]</b>	<b>18.4</b>	<b>[16.1, 20.9]</b>	<b>16.0</b>	<b>[13.9, 18.4]</b>	<b>0.8</b>	<b>[0.5, 1.5]</b>	<b>100.0</b>

## 0.8 Q: The Healthy Michigan Plan helped me get a better job.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are employed/self-employed and have changed jobs in the last 12 months (n = 366)

	HMP helped me get a better job								Total Row%	
	Yes Row%	95%CI	No Row%	95%CI	NA Row%	95%CI	Don't know Row%	95%CI		
<b>Follow-up group</b>										
Still enrolled (n=246)	31.9	[24.7, 40.0]	45.8	[37.9, 53.9]	19.0	[14.0, 25.2]	3.3	[1.3, 8.2]	100.0	
No longer enrolled (n=118)	19.6	[12.1, 30.0]	51.5	[41.0, 61.9]	28.9	[20.5, 39.1]	0.0		100.0	
Pearson: Uncorrected chi2(3) =	12.4528									
Design-based F(2.94, 1036.53) =	2.6384	Pr =	0.049							
<b>Age</b>										
19-34 (n=195)	24.1	[17.4, 32.5]	44.4	[36.0, 53.0]	28.6	[22.1, 36.2]	2.9	[0.9, 8.7]	100.0	
35-50 (n=106)	32.5	[21.9, 45.3]	54.6	[42.4, 66.2]	10.9	[6.5, 17.8]	2.0	[0.4, 8.7]	100.0	
51-64 (n=63)	34.5	[20.6, 51.7]	47.5	[32.3, 63.1]	18.0	[8.3, 34.9]	0.0		100.0	
Pearson: Uncorrected chi2(6) =	15.8234									
Design-based F(5.68, 1998.15) =	1.8117	Pr =	0.097							
<b>Gender</b>										
Male (n=146)	34.1	[25.3, 44.3]	36.3	[27.4, 46.2]	26.0	[18.6, 35.1]	3.6	[1.1, 10.8]	100.0	
Female (n=218)	22.5	[16.0, 30.6]	57.4	[49.1, 65.3]	19.0	[14.0, 25.2]	1.1	[0.3, 4.4]	100.0	
Pearson: Uncorrected chi2(3) =	17.2728									
Design-based F(2.96, 1042.93) =	3.9569	Pr =	0.008							
<b>Race/ethnicity</b>										
White, non-Hispanic (n=239)	27.6	[20.6, 35.8]	45.1	[37.4, 53.1]	26.1	[20.0, 33.1]	1.3	[0.4, 4.1]	100.0	
Black, non-Hispanic (n=76)	26.0	[15.8, 39.5]	52.9	[39.7, 65.8]	18.4	[10.1, 30.9]	2.7	[0.7, 10.6]	100.0	
Hispanic (n=17)	25.4	[8.6, 55.1]	50.0	[23.1, 76.9]	24.6	[9.1, 51.4]	0.0		100.0	
Other, non-Hispanic (n=29)	36.7	[19.3, 58.3]	45.6	[26.4, 66.3]	10.3	[3.7, 25.7]	7.4	[1.0, 37.5]	100.0	
Pearson: Uncorrected chi2(9) =	13.2548									
Design-based F(8.11, 2830.50) =	0.8452	Pr =	0.564							
<b>FPL category</b>										
0-35% (n=104)	31.5	[21.0, 44.3]	49.6	[37.4, 61.7]	15.8	[9.7, 24.7]	3.1	[0.7, 12.7]	100.0	
36-99% (n=149)	24.4	[17.6, 32.7]	49.2	[40.1, 58.3]	25.6	[18.2, 34.7]	0.9	[0.1, 5.9]	100.0	
100%+ (n=111)	26.9	[18.2, 37.8]	42.5	[32.5, 53.1]	27.8	[19.4, 38.2]	2.8	[0.9, 8.6]	100.0	
Pearson: Uncorrected chi2(6) =	8.2773									
Design-based F(5.68, 2000.03) =	1.0048	Pr =	0.418							
<b>Region</b>										
UP/NW/NE (n=62)	35.5	[23.2, 50.1]	41.5	[28.9, 55.4]	22.9	[13.7, 35.8]	0.0		100.0	
W/E Central/E (n=105)	25.5	[17.3, 35.9]	44.8	[34.6, 55.5]	29.1	[20.6, 39.4]	0.6	[0.1, 4.3]	100.0	
S Central/SW/SE (n=93)	32.1	[21.4, 45.0]	46.5	[35.0, 58.4]	20.2	[12.8, 30.4]	1.2	[0.2, 8.0]	100.0	
Detroit Metro (n=104)	25.1	[15.6, 37.7]	51.8	[39.6, 63.8]	18.5	[11.4, 28.6]	4.7	[1.5, 13.4]	100.0	
Pearson: Uncorrected chi2(9) =	11.9355									
Design-based F(7.74, 2722.82) =	1.0880	Pr =	0.368							
<b>Chronic condition (2016/2017 survey or DW)</b>										
Yes (n=263)	29.2	[22.4, 37.0]	48.3	[40.6, 56.0]	19.4	[14.6, 25.4]	3.1	[1.2, 7.7]	100.0	
No (n=101)	24.5	[15.9, 35.9]	46.0	[35.0, 57.4]	29.5	[20.2, 40.8]	0.0		100.0	
Pearson: Uncorrected chi2(3) =	7.1822									
Design-based F(2.96, 1040.31) =	1.5349	Pr =	0.204							
<b>Total (n=364)</b>	<b>27.9</b>	<b>[22.3, 34.2]</b>	<b>47.6</b>	<b>[41.2, 54.1]</b>	<b>22.2</b>	<b>[17.8, 27.5]</b>	<b>2.3</b>	<b>[0.9, 5.6]</b>	<b>100.0</b>	

Note: Total count is less than universe count due to item non-response.

## 0.9 Q: The Healthy Michigan Plan has made me better able to look for a job.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who are out of work (n = 374)

	Yes		No		HMP made me better able to look for a job NA		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=315)	48.6	[41.8, 55.5]	16.8	[12.0, 23.1]	32.2	[25.7, 39.5]	2.4	[1.0, 5.5]	100.0
No longer enrolled (n=59)	37.8	[24.7, 53.1]	26.0	[14.7, 41.7]	32.6	[20.8, 47.1]	3.5	[0.5, 21.2]	100.0
Pearson: Uncorrected chi2(3) =	3.7483								
Design-based F(2.92, 1058.41) =	0.7927	Pr =	0.495						
<b>Age</b>									
19-34 (n=129)	42.0	[32.3, 52.3]	19.7	[11.9, 30.8]	36.8	[27.3, 47.5]	1.5	[0.3, 6.3]	100.0
35-50 (n=128)	47.5	[37.1, 58.0]	15.6	[9.7, 24.1]	33.8	[23.7, 45.8]	3.1	[0.9, 10.3]	100.0
51-64 (n=117)	55.4	[44.6, 65.7]	19.7	[12.1, 30.4]	21.2	[14.2, 30.4]	3.7	[0.9, 13.7]	100.0
Pearson: Uncorrected chi2(6) =	8.3743								
Design-based F(5.73, 2074.84) =	0.9498	Pr =	0.455						
<b>Gender</b>									
Male (n=188)	48.5	[39.9, 57.1]	20.0	[13.3, 28.8]	28.2	[20.7, 37.2]	3.3	[1.3, 8.2]	100.0
Female (n=186)	44.8	[36.2, 53.7]	15.8	[10.9, 22.4]	37.9	[29.3, 47.4]	1.5	[0.3, 6.2]	100.0
Pearson: Uncorrected chi2(3) =	5.0265								
Design-based F(2.97, 1075.04) =	1.1580	Pr =	0.325						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=233)	42.4	[34.9, 50.3]	20.9	[14.6, 29.0]	34.0	[26.1, 42.9]	2.7	[1.1, 6.9]	100.0
Black, non-Hispanic (n=104)	52.8	[41.6, 63.8]	11.8	[6.2, 21.3]	32.4	[22.8, 43.8]	2.9	[0.7, 11.2]	100.0
Hispanic (n=14)	63.9	[35.3, 85.2]	4.1	[0.5, 24.7]	32.0	[12.1, 61.7]	0.0		100.0
Other, non-Hispanic (n=21)	53.3	[28.5, 76.6]	35.2	[14.6, 63.2]	11.5	[3.4, 32.5]	0.0		100.0
Pearson: Uncorrected chi2(9) =	14.6783								
Design-based F(8.10, 2914.61) =	1.2640	Pr =	0.257						
<b>FPL category</b>									
0-35% (n=233)	48.4	[40.8, 56.2]	18.4	[12.8, 25.7]	30.8	[23.7, 39.1]	2.3	[0.8, 6.4]	100.0
36-99% (n=85)	46.0	[34.2, 58.3]	16.7	[9.6, 27.3]	35.4	[24.0, 48.8]	1.9	[0.4, 8.5]	100.0
100%+ (n=56)	38.0	[25.1, 52.9]	19.4	[8.8, 37.5]	37.5	[24.3, 52.8]	5.1	[1.0, 21.5]	100.0
Pearson: Uncorrected chi2(6) =	2.8093								
Design-based F(5.67, 2052.33) =	0.4162	Pr =	0.859						
<b>Region</b>									
UP/NW/NE (n=52)	66.8	[51.6, 79.2]	9.8	[4.5, 20.2]	22.2	[12.2, 37.0]	1.1	[0.2, 7.9]	100.0
W/E Central/E (n=125)	52.9	[42.7, 62.9]	12.1	[7.2, 19.6]	32.8	[23.3, 43.9]	2.2	[0.5, 9.0]	100.0
S Central/SW/SE (n=77)	39.8	[28.5, 52.2]	25.1	[15.3, 38.5]	33.1	[22.4, 45.8]	2.0	[0.5, 8.2]	100.0
Detroit Metro (n=120)	43.1	[33.2, 53.5]	20.7	[13.0, 31.2]	33.1	[23.6, 44.2]	3.1	[1.0, 9.5]	100.0
Pearson: Uncorrected chi2(9) =	10.8637								
Design-based F(7.31, 2646.50) =	1.1825	Pr =	0.308						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=296)	48.2	[41.2, 55.3]	17.8	[12.7, 24.4]	31.1	[24.7, 38.4]	2.8	[1.2, 6.6]	100.0
No (n=78)	43.0	[30.6, 56.3]	19.4	[10.7, 32.8]	35.8	[23.4, 50.5]	1.7	[0.2, 11.4]	100.0
Pearson: Uncorrected chi2(3) =	1.3000								
Design-based F(2.97, 1075.23) =	0.2533	Pr =	0.857						
<b>Total (n=374)</b>	<b>46.9</b>	<b>[40.8, 53.2]</b>	<b>18.2</b>	<b>[13.6, 24.0]</b>	<b>32.3</b>	<b>[26.4, 38.8]</b>	<b>2.6</b>	<b>[1.2, 5.6]</b>	<b>100.0</b>

## 0.10 Q: What is the highest grade of school you have completed, or the highest degree you have received?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Highest level of education												Total Row%
	Less than high school		High school graduate		Some college		Associate's degree		Bachelor's degree		Post graduate degree		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,383)	10.8	[9.4, 12.3]	41.3	[38.7, 43.9]	23.4	[21.1, 25.8]	13.2	[11.6, 15.0]	9.5	[8.0, 11.1]	1.9	[1.4, 2.5]	100.0
No longer enrolled (n=707)	12.4	[9.5, 16.0]	37.9	[33.6, 42.5]	21.1	[17.6, 25.0]	12.0	[9.3, 15.2]	11.3	[8.9, 14.3]	5.3	[3.2, 8.6]	100.0
Pearson: Uncorrected chi2(5) =	30.4602												
Design-based F(4.95, 15232.77) =	3.7251		Pr = 0.002										
<b>Age</b>													
19-34 (n=909)	7.8	[5.9, 10.2]	36.3	[32.4, 40.4]	27.7	[24.1, 31.6]	14.9	[12.4, 17.8]	10.5	[8.3, 13.3]	2.8	[1.7, 4.8]	100.0
35-50 (n=964)	13.1	[10.9, 15.8]	41.1	[37.2, 45.1]	20.9	[17.8, 24.4]	12.6	[10.1, 15.6]	9.6	[7.5, 12.2]	2.7	[1.7, 4.4]	100.0
51-64 (n=1,217)	13.3	[11.2, 15.8]	45.4	[42.0, 48.8]	18.8	[16.3, 21.7]	10.6	[8.6, 13.0]	9.5	[7.7, 11.6]	2.4	[1.6, 3.5]	100.0
Pearson: Uncorrected chi2(10) =	57.7904												
Design-based F(9.54, 29352.76) =	3.6883		Pr = 0.000										
<b>Gender</b>													
Male (n=1,226)	12.7	[10.6, 15.1]	41.6	[38.1, 45.2]	22.8	[19.9, 26.1]	10.7	[8.8, 13.0]	9.3	[7.5, 11.5]	2.9	[1.8, 4.7]	100.0
Female (n=1,864)	9.8	[8.4, 11.5]	39.6	[36.8, 42.4]	22.9	[20.4, 25.5]	14.9	[12.9, 17.1]	10.4	[8.8, 12.4]	2.4	[1.8, 3.3]	100.0
Pearson: Uncorrected chi2(5) =	18.5199												
Design-based F(4.96, 15277.41) =	2.2391		Pr = 0.048										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,056)	9.0	[7.6, 10.5]	41.6	[38.8, 44.3]	22.2	[19.9, 24.6]	13.8	[11.9, 15.8]	11.0	[9.3, 12.9]	2.5	[1.7, 3.7]	100.0
Black, non-Hispanic (n=633)	13.5	[10.5, 17.1]	43.2	[38.5, 48.2]	20.9	[17.1, 25.3]	11.4	[8.8, 14.6]	8.3	[6.0, 11.4]	2.7	[1.5, 4.8]	100.0
Hispanic (n=136)	21.5	[14.8, 30.1]	23.0	[16.1, 31.9]	35.5	[25.6, 46.8]	9.3	[5.3, 15.9]	7.8	[4.5, 13.3]	2.9	[1.1, 7.7]	100.0
Other, non-Hispanic (n=226)	13.7	[9.7, 19.1]	36.8	[29.3, 45.0]	24.9	[18.2, 33.2]	13.8	[9.0, 20.5]	7.2	[4.4, 11.5]	3.5	[1.5, 7.9]	100.0
Pearson: Uncorrected chi2(15) =	66.5880												
Design-based F(14.32, 43512.20) =	2.7761		Pr = 0.000										
<b>FPL category</b>													
0-35% (n=1,215)	12.8	[10.8, 15.1]	43.9	[40.3, 47.4]	20.6	[17.8, 23.8]	12.0	[9.8, 14.5]	8.3	[6.5, 10.5]	2.5	[1.5, 4.1]	100.0
36-99% (n=1,082)	10.6	[8.7, 13.0]	36.4	[33.1, 39.8]	25.0	[21.8, 28.5]	13.5	[11.4, 16.0]	11.5	[9.4, 14.1]	2.9	[1.9, 4.3]	100.0
100%+ (n=793)	7.6	[5.8, 10.0]	37.5	[33.7, 41.4]	25.7	[22.0, 29.7]	14.6	[12.0, 17.6]	11.9	[9.5, 14.7]	2.8	[1.8, 4.3]	100.0
Pearson: Uncorrected chi2(10) =	39.8241												
Design-based F(9.43, 29016.40) =	2.9216		Pr = 0.002										
<b>Region</b>													
UP/NW/NE (n=574)	10.0	[7.5, 13.1]	46.3	[41.7, 51.0]	19.2	[15.8, 23.1]	12.5	[9.8, 15.8]	9.6	[7.2, 12.7]	2.4	[1.5, 3.9]	100.0
W/E Central/E (n=979)	11.8	[9.8, 14.2]	39.6	[36.2, 43.2]	24.1	[20.9, 27.6]	13.4	[11.2, 16.0]	8.8	[7.0, 11.0]	2.3	[1.4, 3.7]	100.0
S Central/SW/SE (n=630)	10.1	[7.8, 13.0]	36.9	[32.6, 41.4]	24.3	[20.5, 28.5]	13.4	[10.5, 17.0]	10.9	[8.5, 13.8]	4.5	[2.4, 8.1]	100.0
Detroit Metro (n=907)	11.4	[9.2, 14.0]	41.5	[37.4, 45.6]	22.2	[18.9, 25.9]	12.4	[10.0, 15.3]	10.3	[8.1, 13.1]	2.2	[1.4, 3.6]	100.0
Pearson: Uncorrected chi2(15) =	20.1581												
Design-based F(12.80, 39401.44) =	1.0597		Pr = 0.390										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,463)	12.6	[11.1, 14.3]	41.8	[39.3, 44.3]	21.9	[19.8, 24.2]	12.7	[11.1, 14.5]	8.8	[7.5, 10.4]	2.1	[1.5, 2.9]	100.0
No (n=627)	6.3	[4.5, 8.8]	36.4	[31.8, 41.2]	25.9	[21.7, 30.6]	13.5	[10.6, 17.1]	13.4	[10.6, 16.8]	4.5	[2.6, 7.5]	100.0
Pearson: Uncorrected chi2(5) =	50.9026												
Design-based F(4.91, 15125.22) =	5.9068		Pr = 0.000										
<b>Total (n=3,090)</b>	<b>11.2</b>	<b>[9.9, 12.6]</b>	<b>40.5</b>	<b>[38.3, 42.8]</b>	<b>22.8</b>	<b>[20.9, 24.9]</b>	<b>12.9</b>	<b>[11.5, 14.5]</b>	<b>9.9</b>	<b>[8.6, 11.3]</b>	<b>2.7</b>	<b>[2.0, 3.5]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 0.11 Q: In the past 3 years, how many places have you lived for one week or longer (including where you live now)?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Number of places lived in past 3 years										Total Row%
	One		Two		Three		Four or more		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>											
Still enrolled (n=2,385)	70.1	[67.7, 72.4]	19.3	[17.4, 21.4]	6.5	[5.3, 8.0]	4.0	[3.0, 5.2]	0.1	[0.0, 0.3]	100.0
No longer enrolled (n=709)	58.1	[53.4, 62.7]	24.2	[20.4, 28.5]	10.3	[7.5, 14.0]	7.4	[5.0, 10.6]	0.0		100.0
Pearson: Uncorrected chi2(4) =	42.7068										
Design-based F(3.73, 11498.82) =	6.4671	Pr =	0.000								
<b>Age</b>											
19-34 (n=909)	57.5	[53.4, 61.5]	25.5	[22.1, 29.1]	10.0	[7.7, 12.8]	7.1	[5.1, 9.7]	0.0		100.0
35-50 (n=966)	70.9	[67.2, 74.4]	18.2	[15.4, 21.3]	6.7	[4.8, 9.3]	4.1	[2.8, 6.0]	0.1	[0.0, 0.7]	100.0
51-64 (n=1,219)	76.0	[72.9, 78.9]	16.6	[14.1, 19.4]	4.7	[3.3, 6.7]	2.5	[1.7, 3.8]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(8) =	95.7932										
Design-based F(7.29, 22468.11) =	8.2791	Pr =	0.000								
<b>Gender</b>											
Male (n=1,227)	66.6	[63.1, 69.9]	20.4	[17.7, 23.4]	8.2	[6.3, 10.7]	4.8	[3.4, 6.8]	0.0		100.0
Female (n=1,867)	68.0	[65.2, 70.6]	20.5	[18.3, 23.0]	6.7	[5.3, 8.3]	4.7	[3.6, 6.2]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(4) =	4.2815										
Design-based F(3.75, 11553.66) =	0.6551	Pr =	0.613								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=2,057)	68.0	[65.2, 70.6]	20.8	[18.5, 23.2]	7.2	[5.7, 9.1]	3.9	[2.9, 5.3]	0.1	[0.0, 0.4]	100.0
Black, non-Hispanic (n=632)	67.1	[62.3, 71.5]	20.4	[16.9, 24.4]	6.5	[4.4, 9.5]	5.9	[3.8, 9.0]	0.1	[0.0, 0.6]	100.0
Hispanic (n=138)	66.9	[56.7, 75.6]	17.8	[11.3, 26.7]	7.4	[3.9, 13.8]	8.0	[3.6, 16.8]	0.0		100.0
Other, non-Hispanic (n=228)	64.5	[56.6, 71.7]	20.9	[15.3, 27.8]	10.3	[6.2, 16.5]	4.3	[2.0, 9.0]	0.0		100.0
Pearson: Uncorrected chi2(12) =	13.5293										
Design-based F(11.23, 34185.59) =	0.6860	Pr =	0.757								
<b>FPL category</b>											
0-35% (n=1,216)	65.5	[62.0, 68.9]	21.3	[18.5, 24.4]	7.4	[5.6, 9.6]	5.7	[4.2, 7.6]	0.1	[0.0, 0.5]	100.0
36-99% (n=1,084)	69.6	[66.2, 72.7]	19.1	[16.6, 22.0]	8.5	[6.5, 11.1]	2.7	[1.9, 4.1]	0.0		100.0
100%+ (n=794)	68.9	[64.8, 72.7]	20.2	[17.2, 23.5]	5.8	[4.0, 8.4]	5.2	[3.1, 8.4]	0.0		100.0
Pearson: Uncorrected chi2(8) =	18.6679										
Design-based F(6.74, 20782.80) =	1.7950	Pr =	0.086								
<b>Region</b>											
UP/NW/NE (n=574)	71.9	[67.5, 75.9]	18.7	[15.4, 22.5]	5.9	[4.0, 8.8]	3.5	[2.2, 5.5]	0.0		100.0
W/E Central/E (n=980)	70.0	[66.4, 73.3]	19.2	[16.5, 22.2]	6.5	[4.8, 8.8]	4.2	[2.7, 6.4]	0.2	[0.0, 0.8]	100.0
S Central/SW/SE (n=632)	60.3	[55.6, 64.8]	25.8	[21.9, 30.1]	8.6	[5.9, 12.5]	5.3	[3.5, 7.8]	0.0		100.0
Detroit Metro (n=908)	67.5	[63.5, 71.3]	19.5	[16.4, 22.9]	7.8	[5.8, 10.3]	5.2	[3.6, 7.5]	0.0		100.0
Pearson: Uncorrected chi2(12) =	25.6785										
Design-based F(9.26, 28543.46) =	1.7919	Pr =	0.062								
<b>Chronic condition (2016/2017 survey or DW)</b>											
Yes (n=2,467)	68.6	[66.2, 70.9]	19.6	[17.7, 21.7]	6.7	[5.5, 8.2]	5.0	[3.9, 6.4]	0.1	[0.0, 0.3]	100.0
No (n=627)	63.1	[58.1, 67.9]	23.4	[19.4, 27.9]	9.6	[6.7, 13.6]	3.9	[2.2, 6.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	14.4924										
Design-based F(3.68, 11354.47) =	2.0247	Pr =	0.094								
<b>Total (n=3,094)</b>	<b>67.3</b>	<b>[65.1, 69.4]</b>	<b>20.5</b>	<b>[18.7, 22.4]</b>	<b>7.4</b>	<b>[6.2, 8.8]</b>	<b>4.8</b>	<b>[3.8, 5.9]</b>	<b>0.1</b>	<b>[0.0, 0.2]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 0.12 Q: Have you been homeless at any time in the last 12 months?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Homeless in the last 12 months				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,382)	7.6	[6.2, 9.2]	92.4	[90.8, 93.8]	100.0
No longer enrolled (n=707)	8.8	[6.3, 12.2]	91.2	[87.8, 93.7]	100.0
Pearson: Uncorrected chi2(1) =	1.1505				
Design-based F(1.00, 3077.00) =	0.5876	Pr =	0.443		
<b>Age</b>					
19-34 (n=909)	7.3	[5.4, 9.9]	92.7	[90.1, 94.6]	100.0
35-50 (n=964)	8.9	[6.7, 11.7]	91.1	[88.3, 93.3]	100.0
51-64 (n=1,216)	7.4	[5.6, 9.7]	92.6	[90.3, 94.4]	100.0
Pearson: Uncorrected chi2(2) =	2.3372				
Design-based F(1.96, 6044.49) =	0.6193	Pr =	0.536		
<b>Gender</b>					
Male (n=1,226)	9.6	[7.6, 12.0]	90.4	[88.0, 92.4]	100.0
Female (n=1,863)	6.4	[5.0, 8.1]	93.6	[91.9, 95.0]	100.0
Pearson: Uncorrected chi2(1) =	11.1062				
Design-based F(1.00, 3077.00) =	5.8073	Pr =	0.016		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=2,052)	5.5	[4.3, 7.1]	94.5	[92.9, 95.7]	100.0
Black, non-Hispanic (n=633)	11.5	[8.7, 15.1]	88.5	[84.9, 91.3]	100.0
Hispanic (n=137)	11.0	[5.5, 20.8]	89.0	[79.2, 94.5]	100.0
Other, non-Hispanic (n=228)	10.5	[6.4, 16.9]	89.5	[83.1, 93.6]	100.0
Pearson: Uncorrected chi2(3) =	33.9750				
Design-based F(2.99, 9085.14) =	5.5657	Pr =	0.001		
<b>FPL category</b>					
0-35% (n=1,211)	10.8	[8.7, 13.2]	89.2	[86.8, 91.3]	100.0
36-99% (n=1,083)	5.1	[3.7, 7.0]	94.9	[93.0, 96.3]	100.0
100%+ (n=795)	4.3	[2.7, 6.8]	95.7	[93.2, 97.3]	100.0
Pearson: Uncorrected chi2(2) =	38.8194				
Design-based F(1.98, 6095.77) =	12.5329	Pr =	0.000		
<b>Region</b>					
UP/NW/NE (n=573)	3.9	[2.5, 6.0]	96.1	[94.0, 97.5]	100.0
W/E Central/E (n=978)	6.1	[4.5, 8.2]	93.9	[91.8, 95.5]	100.0
S Central/SW/SE (n=632)	9.7	[7.3, 12.9]	90.3	[87.1, 92.7]	100.0
Detroit Metro (n=906)	9.2	[7.0, 12.0]	90.8	[88.0, 93.0]	100.0
Pearson: Uncorrected chi2(3) =	15.9165				
Design-based F(2.55, 7852.87) =	4.0228	Pr =	0.011		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=2,462)	8.3	[6.9, 9.9]	91.7	[90.1, 93.1]	100.0
No (n=627)	6.6	[4.2, 10.2]	93.4	[89.8, 95.8]	100.0
Pearson: Uncorrected chi2(1) =	2.1785				
Design-based F(1.00, 3077.00) =	0.8716	Pr =	0.351		
<b>Total (n=3,089)</b>	<b>7.9</b>	<b>[6.7, 9.3]</b>	<b>92.1</b>	<b>[90.7, 93.3]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

- 1 Aim 1: To describe changes over time in health and functional status for HMP enrollees, particularly those with chronic conditions or other indicators of poorer health.**

# 1.1 Q: In general, would you say your health is...

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Health status												Total Row%
	Excellent		Very good		Good		Fair		Poor		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,388)	9.8	[8.2, 11.6]	25.9	[23.6, 28.3]	37.2	[34.7, 39.7]	21.3	[19.3, 23.5]	5.8	[4.8, 7.0]	0.0		100.0
No longer enrolled (n=709)	10.3	[7.7, 13.8]	28.4	[24.2, 33.0]	34.7	[30.6, 39.0]	19.6	[16.3, 23.4]	6.8	[4.7, 9.7]	0.2	[0.0, 1.4]	100.0
Pearson: Uncorrected chi2(5) =	8.9170												
Design-based F(4.94, 15240.44) =	1.0928	Pr =	0.362										
<b>Age</b>													
19-34 (n=909)	13.9	[11.2, 17.2]	34.3	[30.4, 38.4]	35.8	[32.0, 39.7]	13.4	[10.9, 16.3]	2.5	[1.4, 4.3]	0.1	[0.0, 0.9]	100.0
35-50 (n=969)	7.5	[5.5, 10.2]	21.7	[18.5, 25.2]	38.7	[34.9, 42.6]	24.8	[21.6, 28.4]	7.3	[5.6, 9.4]	0.0		100.0
51-64 (n=1,219)	7.5	[5.6, 9.8]	21.8	[19.1, 24.8]	35.2	[32.1, 38.5]	26.2	[23.3, 29.4]	9.2	[7.5, 11.4]	0.0		100.0
Pearson: Uncorrected chi2(10) =	170.8935												
Design-based F(9.55, 29458.68) =	10.4867	Pr =	0.000										
<b>Gender</b>													
Male (n=1,230)	11.4	[9.1, 14.1]	25.1	[22.0, 28.5]	34.9	[31.6, 38.3]	22.7	[19.9, 25.8]	5.8	[4.6, 7.5]	0.1	[0.0, 0.7]	100.0
Female (n=1,867)	8.6	[7.0, 10.5]	27.7	[25.1, 30.4]	38.1	[35.4, 40.9]	19.4	[17.3, 21.6]	6.2	[5.0, 7.7]	0.0		100.0
Pearson: Uncorrected chi2(5) =	16.1943												
Design-based F(4.90, 15128.04) =	1.9755	Pr =	0.080										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,058)	8.0	[6.4, 9.8]	26.8	[24.3, 29.4]	37.3	[34.7, 40.0]	21.7	[19.5, 24.0]	6.2	[5.0, 7.6]	0.1	[0.0, 0.6]	100.0
Black, non-Hispanic (n=634)	13.7	[10.5, 17.7]	26.3	[21.9, 31.1]	34.0	[29.6, 38.6]	21.6	[18.0, 25.7]	4.5	[2.9, 6.7]	0.0		100.0
Hispanic (n=138)	8.8	[4.7, 15.6]	21.2	[14.7, 29.6]	48.5	[38.5, 58.7]	13.4	[8.6, 20.2]	8.1	[3.8, 16.7]	0.0		100.0
Other, non-Hispanic (n=228)	13.1	[8.0, 20.6]	27.9	[21.2, 35.7]	34.2	[27.0, 42.2]	16.4	[11.5, 22.9]	8.4	[5.5, 12.8]	0.0		100.0
Pearson: Uncorrected chi2(15) =	46.9753												
Design-based F(14.24, 43372.96) =	1.8645	Pr =	0.024										
<b>FPL category</b>													
0-35% (n=1,218)	10.3	[8.1, 13.0]	22.0	[19.0, 25.4]	35.2	[31.9, 38.7]	24.4	[21.6, 27.4]	7.9	[6.4, 9.8]	0.1	[0.0, 0.6]	100.0
36-99% (n=1,084)	9.7	[7.7, 12.1]	29.7	[26.3, 33.4]	37.5	[34.2, 41.0]	19.1	[16.6, 22.0]	3.9	[2.9, 5.2]	0.0		100.0
100%+ (n=795)	9.1	[6.9, 11.9]	33.5	[29.8, 37.5]	38.9	[35.0, 43.0]	14.3	[11.7, 17.4]	4.1	[2.9, 5.8]	0.0		100.0
Pearson: Uncorrected chi2(10) =	74.6929												
Design-based F(8.78, 27090.95) =	6.1038	Pr =	0.000										
<b>Region</b>													
UP/NW/NE (n=574)	7.5	[5.3, 10.5]	24.9	[21.2, 29.0]	40.5	[36.0, 45.2]	20.1	[16.7, 24.0]	7.0	[5.0, 9.6]	0.0		100.0
W/E Central/E (n=980)	6.4	[4.9, 8.4]	24.0	[21.0, 27.2]	38.8	[35.4, 42.4]	24.1	[21.1, 27.4]	6.7	[5.2, 8.6]	0.0		100.0
S Central/SW/SE (n=633)	7.4	[5.2, 10.4]	27.2	[23.1, 31.6]	39.6	[35.2, 44.2]	19.3	[16.1, 22.9]	6.3	[4.4, 9.0]	0.3	[0.0, 1.8]	100.0
Detroit Metro (n=910)	13.9	[11.2, 17.2]	28.2	[24.6, 32.2]	32.9	[29.2, 36.9]	19.6	[16.7, 22.9]	5.3	[3.8, 7.2]	0.0		100.0
Pearson: Uncorrected chi2(15) =	66.0116												
Design-based F(12.35, 38114.45) =	3.8778	Pr =	0.000										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,469)	6.3	[5.0, 7.8]	22.2	[20.0, 24.5]	38.9	[36.5, 41.4]	25.1	[23.0, 27.3]	7.5	[6.3, 8.7]	0.1	[0.0, 0.4]	100.0
No (n=628)	21.9	[18.0, 26.5]	40.5	[35.8, 45.4]	29.0	[25.0, 33.4]	7.1	[5.0, 10.0]	1.4	[0.4, 4.2]	0.0		100.0
Pearson: Uncorrected chi2(5) =	341.4838												
Design-based F(4.56, 14081.56) =	33.7512	Pr =	0.000										
<b>Total (n=3,097)</b>	9.9	[8.5, 11.5]	26.5	[24.4, 28.6]	36.6	[34.5, 38.8]	20.9	[19.2, 22.8]	6.0	[5.1, 7.1]	0.0	[0.0, 0.3]	100.0

A32

## 1.2 Q: For how many days during the past 30 days was your physical health not good?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Number of days physical health not good			N
	Mean	SE	95%CI	
<b>Follow-up group</b>				
Still enrolled	5.6	0.23	[5.1, 6.0]	2,375
No longer enrolled	5.8	0.43	[5.0, 6.7]	702
<b>Age</b>				
19-34	3.0	0.25	[2.5, 3.5]	902
35-50	6.9	0.41	[6.1, 7.7]	964
51-64	7.6	0.36	[6.9, 8.3]	1,211
<b>Gender</b>				
Male	5.3	0.31	[4.7, 5.9]	1,223
Female	6.0	0.27	[5.4, 6.5]	1,854
<b>Race/ethnicity</b>				
White, non-Hispanic	6.1	0.26	[5.6, 6.6]	2,042
Black, non-Hispanic	4.4	0.37	[3.6, 5.1]	633
Hispanic	5.5	0.98	[3.6, 7.4]	136
Other, non-Hispanic	6.3	0.80	[4.7, 7.9]	227
<b>FPL category</b>				
0-35%	6.3	0.33	[5.7, 7.0]	1,212
36-9%	5.0	0.30	[4.4, 5.6]	1,077
≥ 100%	4.8	0.35	[4.1, 5.4]	788
<b>Region</b>				
UP/NW/NE	7.0	0.49	[6.1, 8.0]	571
W/E Central/E	6.6	0.36	[5.9, 7.3]	972
S Central/SW/SE	5.9	0.43	[5.1, 6.8]	629
Detroit Metro	4.6	0.33	[3.9, 5.2]	905
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>				
Yes	6.8	0.25	[6.3, 7.3]	2450
No	1.9	0.29	[1.3, 2.5]	627
<b>Total</b>	5.7	0.20	[5.3, 6.0]	3,077

Note: Total count is less than universe count due to item non-response.

### 1.3 Q: In the past year, would you say your physical health has gotten better, stayed the same, or gotten worse?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Change in physical health status in the past year								Total Row%
	Gotten better Row%	95%CI	Stayed the same Row%	95%CI	Gotten worse Row%	95%CI	Don't know Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=2,388)	31.4	[29.0, 34.0]	54.5	[51.9, 57.1]	13.9	[12.4, 15.5]	0.2	[0.1, 0.5]	100.0
No longer enrolled (n=709)	23.8	[19.9, 28.1]	61.5	[56.8, 65.9]	14.7	[11.9, 18.2]	0.0		100.0
Pearson: Uncorrected chi2(3) =	17.2758								
Design-based F(2.95, 9116.09) =	3.8134	Pr =	0.010						
<b>Age</b>									
19-34 (n=909)	34.7	[30.8, 38.8]	58.9	[54.8, 62.9]	6.4	[4.8, 8.4]	0.0	[0.0, 0.2]	100.0
35-50 (n=969)	27.4	[23.9, 31.2]	55.4	[51.4, 59.3]	17.0	[14.4, 19.9]	0.2	[0.1, 1.0]	100.0
51-64 (n=1,219)	25.7	[22.7, 28.9]	53.4	[50.0, 56.8]	20.7	[18.1, 23.6]	0.2	[0.0, 1.2]	100.0
Pearson: Uncorrected chi2(6) =	104.5408								
Design-based F(5.31, 16366.65) =	13.0798	Pr =	0.000						
<b>Gender</b>									
Male (n=1,230)	33.0	[29.6, 36.6]	54.8	[51.2, 58.3]	12.2	[10.3, 14.4]	0.0		100.0
Female (n=1,867)	26.7	[24.2, 29.3]	57.4	[54.5, 60.1]	15.7	[13.9, 17.7]	0.3	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(3) =	22.0070								
Design-based F(2.94, 9084.92) =	4.8728	Pr =	0.002						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=2,058)	27.1	[24.7, 29.7]	57.1	[54.3, 59.8]	15.6	[13.9, 17.6]	0.2	[0.0, 0.6]	100.0
Black, non-Hispanic (n=634)	35.2	[30.5, 40.3]	54.0	[49.0, 58.8]	10.6	[8.3, 13.6]	0.2	[0.0, 1.3]	100.0
Hispanic (n=138)	24.4	[16.2, 35.0]	61.4	[51.0, 70.8]	14.2	[9.0, 21.8]	0.0		100.0
Other, non-Hispanic (n=228)	33.8	[26.2, 42.5]	52.7	[44.5, 60.7]	13.5	[9.3, 19.2]	0.0		100.0
Pearson: Uncorrected chi2(9) =	28.7859								
Design-based F(8.65, 26334.87) =	1.9747	Pr =	0.040						
<b>FPL category</b>									
0-35% (n=1,218)	30.2	[26.9, 33.8]	54.4	[50.8, 57.9]	15.2	[13.1, 17.5]	0.3	[0.1, 0.8]	100.0
36-99% (n=1,084)	28.7	[25.5, 32.1]	58.1	[54.6, 61.6]	13.2	[11.1, 15.5]	0.0		100.0
100%+ (n=795)	29.5	[25.9, 33.4]	58.0	[53.9, 62.0]	12.4	[10.0, 15.3]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(6) =	8.4180								
Design-based F(5.24, 16167.25) =	1.2177	Pr =	0.297						
<b>Region</b>									
UP/NW/NE (n=574)	26.3	[22.3, 30.7]	54.6	[49.9, 59.1]	19.0	[15.7, 22.9]	0.1	[0.0, 0.8]	100.0
W/E Central/E (n=980)	24.6	[21.7, 27.8]	59.3	[55.8, 62.8]	15.9	[13.4, 18.7]	0.2	[0.0, 1.2]	100.0
S Central/SW/SE (n=633)	30.9	[26.6, 35.5]	50.8	[46.2, 55.4]	18.1	[15.0, 21.8]	0.2	[0.0, 1.1]	100.0
Detroit Metro (n=910)	33.3	[29.4, 37.4]	56.5	[52.4, 60.6]	10.0	[8.1, 12.4]	0.1	[0.0, 0.8]	100.0
Pearson: Uncorrected chi2(9) =	49.3468								
Design-based F(7.77, 23980.01) =	4.7207	Pr =	0.000						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=2,469)	28.8	[26.5, 31.3]	53.5	[51.0, 56.1]	17.4	[15.8, 19.2]	0.2	[0.1, 0.5]	100.0
No (n=628)	32.3	[27.6, 37.3]	64.8	[59.7, 69.5]	2.9	[1.8, 4.9]	0.0		100.0
Pearson: Uncorrected chi2(3) =	98.2125								
Design-based F(2.92, 9018.58) =	20.4726	Pr =	0.000						
<b>Total (n=3,097)</b>	29.6	[27.5, 31.9]	56.1	[53.9, 58.4]	14.1	[12.7, 15.5]	0.1	[0.0, 0.4]	100.0

## 1.4 Q: For how many days during the past 30 days was your mental health not good?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Number of days mental health not good			N
	Mean	SE	95%CI	
<b>Follow-up group</b>				
Still enrolled	5.8	0.25	[5.3, 6.3]	2,364
No longer enrolled	6.0	0.48	[5.0, 6.9]	704
<b>Age</b>				
19-34	5.2	0.36	[4.5, 6.0]	898
35-50	6.8	0.43	[6.0, 7.7]	963
51-64	5.4	0.34	[4.7, 6.0]	1,207
<b>Gender</b>				
Male	5.1	0.33	[4.5, 5.8]	1,218
Female	6.4	0.29	[5.8, 7.0]	1,850
<b>Race/ethnicity</b>				
White, non-Hispanic	6.2	0.29	[5.6, 6.8]	2,038
Black, non-Hispanic	4.7	0.44	[3.9, 5.6]	631
Hispanic	5.0	0.82	[3.4, 6.6]	135
Other, non-Hispanic	6.7	0.85	[5.1, 8.4]	226
<b>FPL category</b>				
0-35%	6.7	0.36	[5.9, 7.4]	1,205
36-99%	5.1	0.32	[4.5, 5.8]	1,070
≥ 100%	4.6	0.38	[3.8, 5.3]	793
<b>Region</b>				
UP/NW/NE	5.5	0.45	[4.6, 6.4]	568
W/E Central/E	6.5	0.40	[5.7, 7.3]	963
S Central/SW/SE	6.8	0.43	[6.0, 7.7]	630
Detroit Metro	5.0	0.38	[4.2, 5.7]	907
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>				
Yes	6.5	0.26	[6.0, 7.1]	2,449
No	3.4	0.36	[2.7, 4.1]	619
<b>Total</b>	<b>5.8</b>	<b>0.22</b>	<b>[5.4, 6.3]</b>	<b>3,068</b>

Note: Total count is less than universe count due to item non-response.

# 1.5 Q: In the past year, would you say your mental and emotional health has gotten better, stayed the same, or gotten worse?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Change in mental health status in the past year								Total Row%
	Gotten better Row%	95%CI	Stayed the same Row%	95%CI	Gotten worse Row%	95%CI	Don't know Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=2,386)	28.3	[25.9, 30.8]	58.8	[56.1, 61.3]	12.6	[10.9, 14.4]	0.4	[0.2, 0.9]	100.0
No longer enrolled (n=709)	28.9	[24.6, 33.6]	58.0	[53.2, 62.6]	12.8	[10.0, 16.3]	0.4	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(3) =	0.1992								
Design-based F(2.91, 8964.61) =	0.0430	Pr =	0.987						
<b>Age</b>									
19-34 (n=909)	34.2	[30.3, 38.3]	55.1	[51.0, 59.2]	10.4	[8.3, 13.1]	0.3	[0.1, 0.8]	100.0
35-50 (n=968)	26.4	[23.0, 30.2]	56.9	[52.9, 60.8]	16.1	[13.3, 19.4]	0.5	[0.2, 1.6]	100.0
51-64 (n=1,218)	23.2	[20.4, 26.2]	65.1	[61.8, 68.3]	11.3	[9.3, 13.5]	0.4	[0.2, 1.1]	100.0
Pearson: Uncorrected chi2(6) =	49.4762								
Design-based F(5.67, 17476.03) =	5.6755	Pr =	0.000						
<b>Gender</b>									
Male (n=1,230)	29.5	[26.1, 33.0]	58.6	[55.0, 62.2]	11.3	[9.2, 13.9]	0.6	[0.3, 1.3]	100.0
Female (n=1,865)	27.5	[24.9, 30.2]	58.5	[55.7, 61.3]	13.8	[11.9, 15.8]	0.2	[0.1, 0.7]	100.0
Pearson: Uncorrected chi2(3) =	7.1282								
Design-based F(2.91, 8963.53) =	1.5019	Pr =	0.213						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=2,058)	26.9	[24.4, 29.6]	59.8	[57.0, 62.6]	12.9	[11.1, 14.8]	0.4	[0.2, 1.0]	100.0
Black, non-Hispanic (n=632)	32.2	[27.6, 37.1]	55.1	[50.1, 59.9]	12.3	[9.5, 15.9]	0.4	[0.1, 1.4]	100.0
Hispanic (n=138)	31.5	[22.7, 41.7]	56.5	[46.2, 66.4]	12.0	[6.3, 21.6]	0.0		100.0
Other, non-Hispanic (n=228)	26.2	[19.8, 33.8]	60.7	[52.7, 68.2]	12.3	[7.9, 18.7]	0.7	[0.2, 2.4]	100.0
Pearson: Uncorrected chi2(9) =	10.4897								
Design-based F(8.50, 25889.17) =	0.7176	Pr =	0.685						
<b>FPL category</b>									
0-35% (n=1,218)	29.8	[26.5, 33.3]	55.8	[52.2, 59.3]	13.8	[11.6, 16.4]	0.7	[0.3, 1.3]	100.0
36-99% (n=1,082)	26.2	[23.1, 29.6]	60.4	[56.8, 63.8]	13.2	[11.0, 15.9]	0.2	[0.0, 0.6]	100.0
100%+ (n=795)	27.8	[24.1, 31.8]	63.5	[59.3, 67.4]	8.6	[6.6, 11.3]	0.1	[0.0, 0.8]	100.0
Pearson: Uncorrected chi2(6) =	22.3066								
Design-based F(5.46, 16823.56) =	3.1731	Pr =	0.006						
<b>Region</b>									
UP/NW/NE (n=574)	25.7	[21.7, 30.0]	62.4	[57.8, 66.8]	11.3	[8.8, 14.3]	0.6	[0.2, 1.7]	100.0
W/E Central/E (n=980)	25.7	[22.7, 29.0]	60.0	[56.4, 63.5]	13.5	[11.1, 16.3]	0.8	[0.3, 2.0]	100.0
S Central/SW/SE (n=633)	29.1	[24.9, 33.7]	55.8	[51.1, 60.4]	15.0	[12.0, 18.6]	0.1	[0.0, 0.4]	100.0
Detroit Metro (n=908)	30.5	[26.8, 34.6]	58.0	[53.8, 62.0]	11.2	[8.9, 14.1]	0.2	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(9) =	19.4191								
Design-based F(7.32, 22582.31) =	1.9155	Pr =	0.059						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=2,467)	27.0	[24.7, 29.4]	58.0	[55.5, 60.6]	14.5	[12.8, 16.4]	0.4	[0.2, 0.9]	100.0
No (n=628)	33.1	[28.5, 38.0]	60.3	[55.3, 65.0]	6.3	[4.4, 9.0]	0.3	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(3) =	37.1067								
Design-based F(2.92, 8994.56) =	7.9079	Pr =	0.000						
<b>Total (n=3,095)</b>	<b>28.4</b>	<b>[26.3, 30.6]</b>	<b>58.6</b>	<b>[56.3, 60.8]</b>	<b>12.6</b>	<b>[11.2, 14.2]</b>	<b>0.4</b>	<b>[0.2, 0.8]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

**1.6 Q: During the past 30 days, for how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Number of days missed due to poor physical or mental health			N
	Mean	SE	95%CI	
<b>Follow-up group</b>				
Still enrolled	5.0	0.21	[4.6, 5.4]	2,366
No longer enrolled	5.2	0.45	[4.3, 6.0]	702
<b>Age</b>				
19-34	3.0	0.26	[2.5, 3.5]	900
35-50	6.0	0.37	[5.2, 6.7]	962
51-64	6.5	0.37	[5.8, 7.3]	1,206
<b>Gender</b>				
Male	5.1	0.31	[4.5, 5.7]	1,216
Female	5.0	0.24	[4.5, 5.5]	1,852
<b>Race/ethnicity</b>				
White, non-Hispanic	5.2	0.24	[4.7, 5.7]	2,037
Black, non-Hispanic	4.6	0.40	[3.8, 5.4]	633
Hispanic	4.7	0.87	[3.0, 6.4]	136
Other, non-Hispanic	5.1	0.70	[3.7, 6.5]	224
<b>FPL category</b>				
0-35%	6.1	0.33	[5.5, 6.8]	1,202
36-99%	4.1	0.26	[3.6, 4.6]	1,076
≥ 100%	3.5	0.33	[2.9, 4.1]	790
<b>Region</b>				
UP/NW/NE	5.2	0.42	[4.4, 6.0]	567
W/E Central/E	5.6	0.34	[4.9, 6.3]	968
S Central/SW/SE	5.3	0.42	[4.5, 6.1]	630
Detroit Metro	4.5	0.32	[3.9, 5.1]	903
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>				
Yes	6.0	0.24	[5.5, 6.5]	2,445
No	1.9	0.25	[1.4, 2.4]	623
<b>Total</b>	<b>5.0</b>	<b>0.19</b>	<b>[4.7, 5.4]</b>	<b>3,068</b>

Note: Total count is less than universe count due to item non-response.

**1.6.1 Q: In the past 12 months, about how many days did you miss work because of illness or injury?**

*Follow-up group(s):* Still enrolled, No longer enrolled

*Universe:* Respondents who are employed/self-employed (n = 1,746)

	Number of days missed work due to illness or injury			N
	Mean	SE	95%CI	
<b>Follow-up group</b>				
Still enrolled	5.8	1.03	[3.8, 7.8]	1,310
No longer enrolled	4.3	0.96	[2.5, 6.2]	422
<b>Age</b>				
19-34	4.0	0.55	[2.9, 5.1]	638
35-50	5.8	1.08	[3.7, 7.9]	564
51-64	7.8	3.08	[1.7, 13.8]	530
<b>Gender</b>				
Male	6.2	1.62	[3.0, 9.3]	684
Female	4.8	0.54	[3.7, 5.8]	1,048
<b>Race/ethnicity</b>				
White, non-Hispanic	6.8	1.37	[4.1, 9.5]	1,130
Black, non-Hispanic	2.7	0.48	[1.8, 3.7]	366
Hispanic	4.9	2.05	[0.9, 8.9]	88
Other, non-Hispanic	5.6	1.37	[2.9, 8.2]	128
<b>FPL category</b>				
0-35%	4.1	0.91	[2.3, 5.8]	474
36-99%	6.4	0.91	[4.6, 8.2]	713
≥ 100%	6.3	2.55	[1.3, 11.3]	545
<b>Region</b>				
UP/NW/NE	5.8	1.00	[3.9, 7.8]	314
W/E Central/E	6.4	2.33	[1.8, 10.9]	525
S Central/SW/SE	6.8	1.76	[3.3, 10.3]	361
Detroit Metro	4.1	0.69	[2.7, 5.4]	532
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>				
Yes	7.0	1.12	[4.8, 9.2]	1271
No	1.4	0.20	[1.0, 1.8]	461
<b>Total</b>	5.4	0.81	[3.8, 7.0]	1,732

**Note:** Total count is less than universe count due to item non-response.

## 1.7 Q: In the past year, has the health of your teeth and gums gotten better, stayed the same, or gotten worse?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Change in dental health status in the past year								Total Row%
	Gotten better Row%	95%CI	Stayed the same Row%	95%CI	Gotten worse Row%	95%CI	Don't know Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=2,381)	22.8	[20.6, 25.1]	60.4	[57.9, 62.9]	16.3	[14.5, 18.2]	0.5	[0.3, 0.9]	100.0
No longer enrolled (n=709)	15.1	[11.8, 19.0]	61.6	[57.0, 66.1]	23.0	[19.3, 27.2]	0.3	[0.1, 1.0]	100.0
Pearson: Uncorrected chi2(3) =	30.1309								
Design-based F(2.74, 8447.13) =	7.1350	Pr =	0.000						
<b>Age</b>									
19-34 (n=907)	24.6	[21.2, 28.4]	60.5	[56.4, 64.4]	14.5	[11.8, 17.5]	0.5	[0.2, 1.2]	100.0
35-50 (n=968)	19.9	[16.9, 23.3]	59.5	[55.6, 63.4]	20.2	[17.3, 23.6]	0.3	[0.1, 1.0]	100.0
51-64 (n=1,215)	17.5	[15.0, 20.3]	62.4	[59.1, 65.7]	19.5	[16.9, 22.3]	0.6	[0.3, 1.2]	100.0
Pearson: Uncorrected chi2(6) =	26.8144								
Design-based F(5.64, 17364.55) =	3.1424	Pr =	0.005						
<b>Gender</b>									
Male (n=1,225)	22.6	[19.7, 25.9]	60.1	[56.6, 63.6]	17.0	[14.6, 19.8]	0.3	[0.1, 0.7]	100.0
Female (n=1,865)	19.6	[17.3, 22.0]	61.2	[58.4, 64.0]	18.6	[16.5, 20.9]	0.6	[0.3, 1.2]	100.0
Pearson: Uncorrected chi2(3) =	6.8390								
Design-based F(2.82, 8691.57) =	1.5763	Pr =	0.195						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=2,052)	18.0	[15.9, 20.2]	62.9	[60.2, 65.6]	18.4	[16.5, 20.6]	0.7	[0.4, 1.2]	100.0
Black, non-Hispanic (n=633)	25.2	[21.1, 29.9]	56.7	[51.8, 61.6]	18.0	[14.5, 22.2]	0.0		100.0
Hispanic (n=138)	22.6	[14.7, 33.0]	59.9	[49.3, 69.7]	17.5	[10.7, 27.3]	0.0		100.0
Other, non-Hispanic (n=228)	27.1	[20.6, 34.7]	57.0	[49.0, 64.7]	15.3	[10.9, 21.1]	0.6	[0.1, 2.5]	100.0
Pearson: Uncorrected chi2(9) =	31.8172								
Design-based F(8.47, 25728.75) =	2.2282	Pr =	0.020						
<b>FPL category</b>									
0-35% (n=1,214)	23.7	[20.8, 27.0]	57.2	[53.6, 60.7]	18.7	[16.2, 21.6]	0.3	[0.1, 0.8]	100.0
36-99% (n=1,082)	18.4	[15.8, 21.3]	64.3	[60.8, 67.6]	16.6	[14.2, 19.4]	0.7	[0.3, 1.5]	100.0
100%+ (n=794)	17.4	[14.5, 20.7]	64.9	[61.0, 68.7]	17.3	[14.5, 20.5]	0.4	[0.1, 1.2]	100.0
Pearson: Uncorrected chi2(6) =	22.3109								
Design-based F(5.69, 17510.14) =	3.1223	Pr =	0.006						
<b>Region</b>									
UP/NW/NE (n=573)	20.4	[16.8, 24.5]	62.6	[58.0, 67.0]	16.9	[13.7, 20.7]	0.1	[0.0, 1.0]	100.0
W/E Central/E (n=976)	18.5	[16.0, 21.4]	63.5	[60.0, 66.9]	17.5	[15.0, 20.4]	0.5	[0.2, 1.2]	100.0
S Central/SW/SE (n=631)	21.3	[17.7, 25.5]	56.8	[52.1, 61.3]	20.5	[17.2, 24.3]	1.4	[0.7, 2.8]	100.0
Detroit Metro (n=910)	22.7	[19.3, 26.4]	60.1	[56.0, 64.0]	17.2	[14.3, 20.4]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(9) =	25.9261								
Design-based F(7.71, 23727.03) =	2.5598	Pr =	0.010						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=2,462)	21.3	[19.2, 23.5]	58.9	[56.3, 61.4]	19.3	[17.4, 21.3]	0.6	[0.3, 1.0]	100.0
No (n=628)	20.1	[16.5, 24.2]	66.7	[62.0, 71.2]	13.1	[10.1, 16.9]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(3) =	20.6901								
Design-based F(2.52, 7746.68) =	5.0793	Pr =	0.003						
<b>Total (n=3,090)</b>	<b>21.0</b>	<b>[19.2, 23.0]</b>	<b>60.7</b>	<b>[58.5, 62.9]</b>	<b>17.9</b>	<b>[16.2, 19.6]</b>	<b>0.4</b>	<b>[0.3, 0.8]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 1.8 Q: How tall are you in inches?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Mean	Height (inches)		N
		SE	95%CI	
<b>Follow-up group</b>				
Still enrolled	67.0	0.11	[66.7, 67.2]	2,381
No longer enrolled	67.6	0.20	[67.3, 68.0]	709
<b>Age</b>				
19-34	67.1	0.17	[66.8, 67.5]	909
35-50	67.4	0.17	[67.1, 67.7]	966
51-64	66.8	0.15	[66.5, 67.1]	1,215
<b>Gender</b>				
Male	70.2	0.11	[70.0, 70.4]	1,226
Female	64.4	0.08	[64.2, 64.5]	1,864
<b>Race/ethnicity</b>				
White, non-Hispanic	67.1	0.12	[66.9, 67.3]	2,056
Black, non-Hispanic	67.4	0.21	[67.0, 67.8]	633
Hispanic	65.5	0.40	[64.7, 66.3]	137
Other, non-Hispanic	67.2	0.34	[66.5, 67.9]	227
<b>FPL category</b>				
0-35%	67.6	0.15	[67.3, 67.9]	1,215
36-99%	66.4	0.14	[66.2, 66.7]	1,081
≥ 100%	66.7	0.17	[66.4, 67.1]	794
<b>Region</b>				
UP/NW/NE	67.0	0.19	[66.6, 67.4]	573
W/E Central/E	67.1	0.16	[66.8, 67.5]	978
S Central/SW/SE	66.9	0.19	[66.5, 67.3]	631
Detroit Metro	67.2	0.17	[66.9, 67.6]	908
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>				
Yes	67.1	0.11	[66.8, 67.3]	2463
No	67.3	0.21	[66.9, 67.7]	627
<b>Total</b>	67.1	0.10	[66.9, 67.3]	3,090

Note: Total count is less than universe count due to item non-response.

## 1.9 Q: How much do you weigh in pounds?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Mean	Weight (pounds)		N
		SE	95%CI	
<b>Follow-up group</b>				
Still enrolled	191.9	1.56	[188.8, 195.0]	2,327
No longer enrolled	193.0	2.34	[188.5, 197.6]	696
<b>Age</b>				
19-34	190.3	2.29	[185.8, 194.8]	892
35-50	199.4	2.52	[194.4, 204.3]	943
51-64	186.0	1.71	[182.7, 189.4]	1,188
<b>Gender</b>				
Male	206.0	2.12	[201.8, 210.2]	1,223
Female	179.6	1.52	[176.6, 182.6]	1,800
<b>Race/ethnicity</b>				
White, non-Hispanic	192.0	1.68	[188.7, 195.3]	2,007
Black, non-Hispanic	198.5	2.77	[193.0, 203.9]	617
Hispanic	181.9	5.82	[170.5, 193.3]	137
Other, non-Hispanic	181.2	3.75	[173.8, 188.5]	227
<b>FPL category</b>				
0-35%	194.1	2.11	[190.0, 198.3]	1,194
36-99%	187.6	1.89	[183.9, 191.3]	1,057
≥ 100%	193.3	2.46	[188.5, 198.2]	772
<b>Region</b>				
UP/NW/NE	194.2	2.78	[188.8, 199.7]	560
W/E Central/E	192.2	2.01	[188.2, 196.1]	952
S Central/SW/SE	190.5	2.52	[185.5, 195.4]	618
Detroit Metro	192.5	2.44	[187.7, 197.3]	893
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>				
Yes	196.4	1.55	[193.3, 199.4]	2408
No	178.4	2.34	[173.8, 182.9]	615
<b>Total</b>	192.2	1.32	[189.6, 194.7]	3,023

Note: Total count is less than universe count due to item non-response.

## 1.10 Q: Has a doctor or other health professional ever told you that you had any of the following...

### 1.10.1 Self-reported chronic conditions

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Weighted Proportion	95%CI
<b>Any self-reported chronic condition</b>		
Yes (n=2,413)	74.7	[72.6, 76.7]
No (n=684)	25.3	[23.3, 27.4]
<b>Mood disorder</b>		
Yes (n=1,060)	33.8	[31.7, 36.0]
No (n=2,028)	66.1	[63.9, 68.2]
Don't know (n=6)	0.1	[0.0, 0.3]
<b>Hypertension</b>		
Yes (n=1,094)	31.4	[29.4, 33.5]
No (n=1,998)	68.4	[66.3, 70.4]
Don't know (n=5)	0.2	[0.1, 0.5]
<b>Other chronic condition</b>		
Yes (n=992)	29.8	[27.9, 31.9]
No (n=2,101)	70.2	[68.1, 72.1]
<b>Arthritis or a related condition</b>		
Yes (n=1,015)	27.6	[25.8, 29.5]
No (n=2,065)	71.9	[70.0, 73.7]
Don't know (n=15)	0.5	[0.3, 0.8]
<b>Asthma</b>		
Yes (n=528)	16.9	[15.3, 18.7]
No (n=2,564)	83.0	[81.2, 84.6]
Don't know (n=4)	0.1	[0.0, 0.5]
<b>Chronic bronchitis, COPD, or emphysema</b>		
Yes (n=372)	10.4	[9.2, 11.7]
No (n=2,715)	89.3	[87.9, 90.5]
Don't know (n=10)	0.4	[0.2, 0.8]
<b>Diabetes</b>		
Yes (n=382)	10.3	[9.1, 11.5]
No (n=2,710)	89.6	[88.4, 90.8]
Don't know (n=5)	0.1	[0.0, 0.2]
<b>Heart condition or heart disease</b>		
Yes (n=319)	9.8	[8.5, 11.3]
No (n=2,758)	89.7	[88.3, 91.1]
Don't know (n=20)	0.5	[0.3, 0.7]
<b>Substance use disorder</b>		
Yes (n=125)	4.2	[3.3, 5.2]
No (n=2,967)	95.7	[94.7, 96.6]
Don't know (n=3)	0.1	[0.0, 0.3]
<b>Cancer</b>		
Yes (n=129)	2.9	[2.4, 3.6]
No (n=2,956)	96.8	[96.1, 97.4]
Don't know (n=11)	0.3	[0.1, 0.5]
<b>Stroke</b>		
Yes (n=76)	2.5	[1.9, 3.3]
No (n=3,016)	97.3	[96.5, 98.0]
Don't know (n=4)	0.1	[0.0, 0.4]

Note: Respondents were able to provide multiple responses

### 1.10.2 Any self-reported chronic condition

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Any self-reported chronic condition				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	75.0	[72.6, 77.3]	25.0	[22.7, 27.4]	100.0
No longer enrolled (n=709)	73.8	[69.4, 77.8]	26.2	[22.2, 30.6]	100.0
Pearson: Uncorrected chi2(1) =	0.4323				
Design-based F(1.00, 3085.00) =	0.2489	Pr =	0.618		
<b>Age</b>					
19-34 (n=909)	61.6	[57.5, 65.5]	38.4	[34.5, 42.5]	100.0
35-50 (n=969)	79.7	[76.3, 82.8]	20.3	[17.2, 23.7]	100.0
51-64 (n=1,219)	86.1	[83.3, 88.4]	13.9	[11.6, 16.7]	100.0
Pearson: Uncorrected chi2(2) =	179.9696				
Design-based F(1.95, 6024.02) =	54.9056	Pr =	0.000		
<b>Gender</b>					
Male (n=1,230)	72.0	[68.5, 75.2]	28.0	[24.8, 31.5]	100.0
Female (n=1,867)	77.2	[74.6, 79.5]	22.8	[20.5, 25.4]	100.0
Pearson: Uncorrected chi2(1) =	10.9234				
Design-based F(1.00, 3085.00) =	6.1686	Pr =	0.013		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=2,058)	79.1	[76.7, 81.4]	20.9	[18.6, 23.3]	100.0
Black, non-Hispanic (n=634)	68.5	[63.7, 73.0]	31.5	[27.0, 36.3]	100.0
Hispanic (n=138)	68.3	[57.7, 77.3]	31.7	[22.7, 42.3]	100.0
Other, non-Hispanic (n=228)	65.8	[57.6, 73.1]	34.2	[26.9, 42.4]	100.0
Pearson: Uncorrected chi2(3) =	49.9763				
Design-based F(2.99, 9104.45) =	8.9980	Pr =	0.000		
<b>FPL category</b>					
0-35% (n=1,218)	77.1	[73.7, 80.1]	22.9	[19.9, 26.3]	100.0
36-99% (n=1,084)	71.8	[68.4, 75.0]	28.2	[25.0, 31.6]	100.0
100%+ (n=795)	72.6	[68.9, 76.1]	27.4	[23.9, 31.1]	100.0
Pearson: Uncorrected chi2(2) =	9.9260				
Design-based F(1.89, 5832.47) =	3.4102	Pr =	0.036		
<b>Region</b>					
UP/NW/NE (n=574)	79.4	[75.2, 83.0]	20.6	[17.0, 24.8]	100.0
W/E Central/E (n=980)	79.6	[76.4, 82.4]	20.4	[17.6, 23.6]	100.0
S Central/SW/SE (n=633)	75.2	[70.6, 79.3]	24.8	[20.7, 29.4]	100.0
Detroit Metro (n=910)	70.2	[66.3, 73.8]	29.8	[26.2, 33.7]	100.0
Pearson: Uncorrected chi2(3) =	29.4898				
Design-based F(2.70, 8328.93) =	7.2863	Pr =	0.000		
<b>Total (n=3,097)</b>	<b>74.7</b>	<b>[72.6, 76.7]</b>	<b>25.3</b>	<b>[23.3, 27.4]</b>	<b>100.0</b>

**1.10.3 Q: Has a doctor or other health professional ever told you that you had a mood disorder (for example, depression, anxiety, bipolar disorder)?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Yes		Mood disorder No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,385)	34.6	[32.2, 37.2]	65.2	[62.7, 67.6]	0.2	[0.1, 0.4]	100.0
No longer enrolled (n=709)	31.1	[27.0, 35.4]	68.9	[64.6, 73.0]	0.0		100.0
Pearson: Uncorrected chi2(2) =	4.3729						
Design-based F(1.79, 5514.73) =	1.8410		Pr =	0.163			
<b>Age</b>							
19-34 (n=909)	35.1	[31.2, 39.1]	64.9	[60.9, 68.8]	0.0		100.0
35-50 (n=968)	36.0	[32.3, 39.8]	64.0	[60.2, 67.6]	0.1	[0.0, 0.3]	100.0
51-64 (n=1,217)	29.6	[26.5, 32.8]	70.1	[66.8, 73.1]	0.3	[0.1, 1.0]	100.0
Pearson: Uncorrected chi2(4) =	14.8470						
Design-based F(3.18, 9810.69) =	3.3911		Pr =	0.015			
<b>Gender</b>							
Male (n=1,228)	28.4	[25.3, 31.7]	71.6	[68.3, 74.7]	0.0		100.0
Female (n=1,866)	38.6	[35.8, 41.4]	61.2	[58.3, 63.9]	0.2	[0.1, 0.5]	100.0
Pearson: Uncorrected chi2(2) =	39.6776						
Design-based F(1.75, 5390.53) =	15.8681		Pr =	0.000			
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,055)	41.0	[38.2, 43.8]	58.8	[56.0, 61.6]	0.2	[0.1, 0.5]	100.0
Black, non-Hispanic (n=634)	19.0	[15.7, 22.9]	81.0	[77.1, 84.3]	0.0		100.0
Hispanic (n=138)	25.1	[16.9, 35.4]	74.7	[64.3, 82.8]	0.3	[0.0, 1.9]	100.0
Other, non-Hispanic (n=228)	34.2	[27.0, 42.2]	65.8	[57.8, 73.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	130.0006						
Design-based F(5.15, 15685.99) =	15.5026		Pr =	0.000			
<b>FPL category</b>							
0-35% (n=1,217)	38.2	[34.8, 41.7]	61.6	[58.1, 65.0]	0.2	[0.1, 0.5]	100.0
36-99% (n=1,083)	28.8	[25.8, 32.1]	71.2	[67.9, 74.2]	0.0		100.0
100%+ (n=794)	29.2	[25.7, 32.9]	70.7	[67.0, 74.2]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(4) =	31.1550						
Design-based F(3.42, 10545.99) =	8.0572		Pr =	0.000			
<b>Region</b>							
UP/NW/NE (n=573)	39.2	[34.8, 43.9]	60.5	[55.9, 65.0]	0.2	[0.1, 1.0]	100.0
W/E Central/E (n=979)	37.9	[34.4, 41.5]	62.0	[58.4, 65.5]	0.1	[0.0, 0.9]	100.0
S Central/SW/SE (n=632)	39.2	[34.8, 43.7]	60.7	[56.2, 65.1]	0.1	[0.0, 0.6]	100.0
Detroit Metro (n=910)	27.5	[23.9, 31.4]	72.4	[68.4, 76.0]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(6) =	41.9149						
Design-based F(4.70, 14481.99) =	7.0913		Pr =	0.000			
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,466)	37.2	[34.7, 39.7]	62.7	[60.2, 65.1]	0.2	[0.1, 0.4]	100.0
No (n=628)	22.7	[18.8, 27.1]	77.3	[72.9, 81.2]	0.0		100.0
Pearson: Uncorrected chi2(2) =	53.0229						
Design-based F(1.73, 5317.66) =	20.4211		Pr =	0.000			
<b>Total (n=3,094)</b>	<b>33.8</b>	<b>[31.7, 36.0]</b>	<b>66.1</b>	<b>[63.9, 68.2]</b>	<b>0.1</b>	<b>[0.0, 0.3]</b>	<b>100.0</b>

**Note:** Total count is less than universe count due to item non-response.

**1.10.4 Q: Has a doctor or other health professional ever told you that you had hypertension, also called high blood pressure?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Yes		Hypertension No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	31.5	[29.2, 33.9]	68.3	[65.9, 70.6]	0.2	[0.1, 0.6]	100.0
No longer enrolled (n=709)	31.2	[27.2, 35.5]	68.7	[64.4, 72.7]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	0.4204						
Design-based F(1.78, 5483.26) =	0.1879		Pr =	0.803			
<b>Age</b>							
19-34 (n=909)	12.4	[9.9, 15.3]	87.4	[84.5, 89.9]	0.2	[0.0, 1.0]	100.0
35-50 (n=969)	35.8	[32.1, 39.7]	64.0	[60.0, 67.7]	0.3	[0.1, 0.9]	100.0
51-64 (n=1,219)	51.4	[48.0, 54.8]	48.6	[45.2, 52.0]	0.0		100.0
Pearson: Uncorrected chi2(4) =	370.0580						
Design-based F(3.86, 11912.87) =	62.0011		Pr =	0.000			
<b>Gender</b>							
Male (n=1,230)	34.7	[31.5, 38.1]	65.0	[61.6, 68.3]	0.3	[0.1, 0.8]	100.0
Female (n=1,867)	28.5	[26.1, 31.1]	71.4	[68.8, 73.8]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	15.4385						
Design-based F(1.99, 6153.88) =	5.1814		Pr =	0.006			
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,058)	29.8	[27.5, 32.3]	70.0	[67.6, 72.4]	0.1	[0.0, 0.4]	100.0
Black, non-Hispanic (n=634)	37.5	[32.9, 42.3]	62.3	[57.5, 66.8]	0.2	[0.0, 1.6]	100.0
Hispanic (n=138)	26.7	[19.3, 35.8]	73.3	[64.2, 80.7]	0.0		100.0
Other, non-Hispanic (n=228)	26.1	[19.8, 33.6]	73.9	[66.4, 80.2]	0.0		100.0
Pearson: Uncorrected chi2(6) =	22.5769						
Design-based F(5.64, 17166.01) =	2.4618		Pr =	0.025			
<b>FPL category</b>							
0-35% (n=1,218)	33.4	[30.2, 36.7]	66.4	[63.1, 69.6]	0.2	[0.1, 0.6]	100.0
36-99% (n=1,084)	29.8	[26.6, 33.1]	70.2	[66.8, 73.3]	0.1	[0.0, 0.5]	100.0
100%+ (n=795)	28.7	[25.2, 32.4]	71.0	[67.3, 74.5]	0.3	[0.0, 2.1]	100.0
Pearson: Uncorrected chi2(4) =	7.2889						
Design-based F(3.68, 11366.51) =	1.4978		Pr =	0.204			
<b>Region</b>							
UP/NW/NE (n=574)	34.1	[30.0, 38.5]	65.7	[61.3, 69.9]	0.1	[0.0, 1.0]	100.0
W/E Central/E (n=980)	32.2	[29.0, 35.6]	67.7	[64.3, 70.9]	0.1	[0.0, 0.8]	100.0
S Central/SW/SE (n=633)	30.1	[26.3, 34.2]	69.5	[65.4, 73.4]	0.4	[0.1, 1.6]	100.0
Detroit Metro (n=910)	30.9	[27.3, 34.7]	68.9	[65.1, 72.5]	0.1	[0.0, 1.0]	100.0
Pearson: Uncorrected chi2(6) =	3.3525						
Design-based F(5.15, 15881.58) =	0.5001		Pr =	0.782			
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,469)	41.0	[38.5, 43.5]	58.9	[56.4, 61.4]	0.1	[0.0, 0.4]	100.0
No (n=628)	0.0		99.7	[98.2, 100.0]	0.3	[0.0, 1.8]	100.0
Pearson: Uncorrected chi2(2) =	429.4886						
Design-based F(2.00, 6168.46) =	138.2445		Pr =	0.000			
<b>Total (n=3,097)</b>	<b>31.4</b>	<b>[29.4, 33.5]</b>	<b>68.4</b>	<b>[66.3, 70.4]</b>	<b>0.2</b>	<b>[0.1, 0.5]</b>	<b>100.0</b>

**1.10.5 Q: Has a doctor or other health professional ever told you that you had arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Arthritis or a related condition							Total Row%
	Yes		No		Don't know			
	Row%	95%CI	Row%	95%CI	Row%	95%CI		
<b>Follow-up group</b>								
Still enrolled (n=2,386)	28.1	[26.0, 30.3]	71.5	[69.3, 73.6]	0.4	[0.2, 0.9]	100.0	
No longer enrolled (n=709)	26.1	[22.5, 30.1]	73.3	[69.3, 77.0]	0.6	[0.2, 1.5]	100.0	
Pearson: Uncorrected chi2(2) =	1.1520							
Design-based F(1.98, 6107.76) =	0.4495		Pr =	0.636				
<b>Age</b>								
19-34 (n=909)	10.5	[8.4, 13.1]	89.1	[86.6, 91.3]	0.3	[0.1, 1.1]	100.0	
35-50 (n=967)	30.2	[26.9, 33.7]	69.3	[65.8, 72.7]	0.5	[0.2, 1.1]	100.0	
51-64 (n=1,219)	47.1	[43.7, 50.5]	52.2	[48.8, 55.7]	0.7	[0.2, 1.7]	100.0	
Pearson: Uncorrected chi2(4) =	344.2076							
Design-based F(3.91, 12060.95) =	62.4963		Pr =	0.000				
<b>Gender</b>								
Male (n=1,229)	24.3	[21.6, 27.2]	75.3	[72.4, 78.0]	0.4	[0.2, 0.9]	100.0	
Female (n=1,866)	30.6	[28.2, 33.2]	68.9	[66.3, 71.3]	0.5	[0.2, 1.2]	100.0	
Pearson: Uncorrected chi2(2) =	15.9287							
Design-based F(1.98, 6105.42) =	6.0234		Pr =	0.003				
<b>Race/ethnicity</b>								
White, non-Hispanic (n=2,057)	30.5	[28.1, 32.9]	69.0	[66.5, 71.3]	0.6	[0.3, 1.2]	100.0	
Black, non-Hispanic (n=634)	23.0	[19.4, 27.0]	76.9	[72.9, 80.5]	0.1	[0.0, 0.6]	100.0	
Hispanic (n=137)	21.2	[14.7, 29.6]	77.5	[69.0, 84.2]	1.3	[0.3, 5.3]	100.0	
Other, non-Hispanic (n=228)	23.9	[18.2, 30.6]	75.7	[69.0, 81.4]	0.4	[0.1, 3.0]	100.0	
Pearson: Uncorrected chi2(6) =	26.8569							
Design-based F(5.65, 17203.74) =	3.6716		Pr =	0.002				
<b>FPL category</b>								
0-35% (n=1,218)	29.5	[26.6, 32.6]	70.1	[67.0, 73.0]	0.4	[0.2, 0.9]	100.0	
36-99% (n=1,082)	27.3	[24.4, 30.4]	72.4	[69.3, 75.3]	0.3	[0.1, 1.7]	100.0	
100%+ (n=795)	23.1	[20.1, 26.4]	75.9	[72.6, 78.9]	1.0	[0.4, 2.1]	100.0	
Pearson: Uncorrected chi2(4) =	13.0518							
Design-based F(3.72, 11474.27) =	2.4914		Pr =	0.045				
<b>Region</b>								
UP/NW/NE (n=574)	34.6	[30.5, 39.0]	64.6	[60.1, 68.7]	0.8	[0.3, 2.4]	100.0	
W/E Central/E (n=978)	30.9	[27.9, 34.2]	68.3	[65.0, 71.5]	0.7	[0.3, 1.8]	100.0	
S Central/SW/SE (n=633)	28.3	[24.6, 32.4]	71.3	[67.3, 75.1]	0.3	[0.1, 1.4]	100.0	
Detroit Metro (n=910)	23.5	[20.5, 26.9]	76.2	[72.8, 79.2]	0.3	[0.1, 1.0]	100.0	
Pearson: Uncorrected chi2(6) =	27.0756							
Design-based F(5.51, 16996.75) =	4.0012		Pr =	0.001				
<b>Chronic condition (2016/2017 survey or DW)</b>								
Yes (n=2,467)	36.0	[33.7, 38.3]	63.5	[61.1, 65.8]	0.6	[0.3, 1.0]	100.0	
No (n=628)	0.0		99.8	[98.8, 100.0]	0.2	[0.0, 1.2]	100.0	
Pearson: Uncorrected chi2(2) =	361.8586							
Design-based F(1.98, 6112.80) =	129.9470		Pr =	0.000				
<b>Total (n=3,095)</b>	27.6	[25.8, 29.5]	71.9	[70.0, 73.7]	0.5	[0.3, 0.8]	100.0	

Note: Total count is less than universe count due to item non-response.

### 1.10.6 Q: Has a doctor or other health professional ever told you that you had asthma?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Yes		Asthma No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	16.8	[15.0, 18.8]	83.0	[81.0, 84.9]	0.2	[0.1, 0.6]	100.0
No longer enrolled (n=709)	17.3	[13.9, 21.3]	82.7	[78.7, 86.1]	0.0		100.0
Pearson: Uncorrected chi2(2) =	1.3744						
Design-based F(2.00, 6156.04) =	0.4132	Pr =	0.661				
<b>Age</b>							
19-34 (n=909)	18.3	[15.3, 21.8]	81.7	[78.2, 84.7]	0.0		100.0
35-50 (n=969)	17.3	[14.7, 20.3]	82.6	[79.6, 85.2]	0.1	[0.0, 0.8]	100.0
51-64 (n=1,218)	14.6	[12.4, 17.1]	85.0	[82.5, 87.3]	0.4	[0.1, 1.5]	100.0
Pearson: Uncorrected chi2(4) =	9.5684						
Design-based F(3.81, 11763.68) =	1.6145	Pr =	0.170				
<b>Gender</b>							
Male (n=1,230)	14.5	[12.0, 17.4]	85.5	[82.6, 88.0]	0.0	[0.0, 0.1]	100.0
Female (n=1,866)	19.0	[17.0, 21.2]	80.7	[78.5, 82.8]	0.2	[0.1, 0.9]	100.0
Pearson: Uncorrected chi2(2) =	14.3199						
Design-based F(1.34, 4132.69) =	6.6794	Pr =	0.005				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,057)	17.8	[15.8, 20.0]	82.0	[79.7, 84.0]	0.2	[0.1, 0.8]	100.0
Black, non-Hispanic (n=634)	16.5	[13.1, 20.6]	83.5	[79.4, 86.9]	0.0		100.0
Hispanic (n=138)	15.7	[9.9, 23.9]	84.3	[76.1, 90.1]	0.0		100.0
Other, non-Hispanic (n=228)	13.2	[8.8, 19.5]	86.8	[80.5, 91.2]	0.0		100.0
Pearson: Uncorrected chi2(6) =	6.7453						
Design-based F(5.93, 18055.89) =	0.6689	Pr =	0.673				
<b>FPL category</b>							
0-35% (n=1,217)	17.9	[15.4, 20.7]	82.1	[79.3, 84.6]	0.0	[0.0, 0.1]	100.0
36-99% (n=1,084)	15.9	[13.3, 19.0]	83.7	[80.6, 86.3]	0.4	[0.1, 1.7]	100.0
100%+ (n=795)	15.6	[12.8, 19.0]	84.3	[80.9, 87.1]	0.1	[0.0, 0.7]	100.0
Pearson: Uncorrected chi2(4) =	8.2602						
Design-based F(3.24, 10003.28) =	2.0830	Pr =	0.095				
<b>Region</b>							
UP/NW/NE (n=574)	16.1	[13.1, 19.8]	83.8	[80.1, 86.8]	0.1	[0.0, 0.6]	100.0
W/E Central/E (n=979)	17.7	[15.1, 20.8]	81.8	[78.8, 84.5]	0.4	[0.1, 1.5]	100.0
S Central/SW/SE (n=633)	17.6	[14.5, 21.2]	82.4	[78.8, 85.5]	0.0		100.0
Detroit Metro (n=910)	16.2	[13.4, 19.4]	83.8	[80.6, 86.6]	0.0		100.0
Pearson: Uncorrected chi2(6) =	10.0715						
Design-based F(4.39, 13526.24) =	1.6516	Pr =	0.152				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,468)	22.0	[20.0, 24.2]	77.8	[75.6, 79.9]	0.2	[0.1, 0.6]	100.0
No (n=628)	0.0		100.0		0.0		100.0
Pearson: Uncorrected chi2(2) =	192.3189						
Design-based F(2.00, 6165.02) =	61.6985	Pr =	0.000				
<b>Total (n=3,096)</b>	<b>16.9</b>	<b>[15.3, 18.7]</b>	<b>83.0</b>	<b>[81.2, 84.6]</b>	<b>0.1</b>	<b>[0.0, 0.5]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 1.10.7 Q: Has a doctor or other health professional ever told you that you had chronic bronchitis, COPD or emphysema?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Chronic bronchitis, COPD, or emphysema						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	10.8	[9.4, 12.4]	88.7	[87.1, 90.2]	0.5	[0.2, 1.0]	100.0
No longer enrolled (n=709)	9.0	[7.0, 11.6]	91.0	[88.4, 93.0]	0.0		100.0
Pearson: Uncorrected chi2(2) =	5.2561						
Design-based F(1.96, 6054.89) =	1.8350	Pr =	0.160				
<b>Age</b>							
19-34 (n=909)	4.3	[3.1, 6.1]	95.2	[93.4, 96.6]	0.4	[0.1, 1.6]	100.0
35-50 (n=969)	11.7	[9.4, 14.3]	88.3	[85.6, 90.5]	0.1	[0.0, 0.6]	100.0
51-64 (n=1,219)	16.8	[14.5, 19.5]	82.6	[79.9, 85.0]	0.6	[0.2, 1.4]	100.0
Pearson: Uncorrected chi2(4) =	90.5214						
Design-based F(3.82, 11790.28) =	16.1561	Pr =	0.000				
<b>Gender</b>							
Male (n=1,230)	8.4	[6.8, 10.3]	91.2	[89.2, 92.8]	0.4	[0.1, 1.4]	100.0
Female (n=1,867)	12.2	[10.5, 14.0]	87.6	[85.7, 89.2]	0.3	[0.1, 0.7]	100.0
Pearson: Uncorrected chi2(2) =	12.2504						
Design-based F(2.00, 6168.60) =	4.3007	Pr =	0.014				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,058)	11.0	[9.6, 12.6]	88.7	[87.1, 90.1]	0.3	[0.1, 0.7]	100.0
Black, non-Hispanic (n=634)	9.8	[7.4, 12.8]	89.7	[86.6, 92.2]	0.5	[0.1, 2.3]	100.0
Hispanic (n=138)	5.6	[2.6, 11.5]	93.4	[87.2, 96.7]	1.0	[0.1, 6.7]	100.0
Other, non-Hispanic (n=228)	9.0	[4.9, 16.2]	91.0	[83.8, 95.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	8.7872						
Design-based F(5.42, 16523.54) =	0.8543	Pr =	0.518				
<b>FPL category</b>							
0-35% (n=1,218)	11.9	[10.0, 14.1]	87.7	[85.4, 89.6]	0.5	[0.2, 1.3]	100.0
36-99% (n=1,084)	8.8	[7.1, 10.7]	91.1	[89.1, 92.7]	0.1	[0.0, 0.7]	100.0
100%+ (n=795)	8.8	[6.8, 11.2]	90.9	[88.4, 92.9]	0.4	[0.1, 1.2]	100.0
Pearson: Uncorrected chi2(4) =	9.6795						
Design-based F(3.89, 11987.29) =	2.3093	Pr =	0.057				
<b>Region</b>							
UP/NW/NE (n=574)	13.7	[10.7, 17.3]	86.1	[82.5, 89.0]	0.2	[0.1, 1.0]	100.0
W/E Central/E (n=980)	12.3	[10.2, 14.8]	87.4	[84.9, 89.5]	0.3	[0.1, 1.1]	100.0
S Central/SW/SE (n=633)	9.2	[7.2, 11.8]	90.5	[87.9, 92.6]	0.3	[0.1, 1.1]	100.0
Detroit Metro (n=910)	8.9	[7.0, 11.2]	90.7	[88.3, 92.7]	0.4	[0.1, 1.5]	100.0
Pearson: Uncorrected chi2(6) =	11.5470						
Design-based F(5.11, 15758.03) =	1.8454	Pr =	0.099				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,469)	13.5	[12.0, 15.2]	86.0	[84.3, 87.6]	0.5	[0.2, 1.0]	100.0
No (n=628)	0.0		100.0		0.0		100.0
Pearson: Uncorrected chi2(2) =	112.6630						
Design-based F(1.99, 6135.80) =	37.1272	Pr =	0.000				
<b>Total (n=3,097)</b>	<b>10.4</b>	<b>[9.2, 11.7]</b>	<b>89.3</b>	<b>[87.9, 90.5]</b>	<b>0.4</b>	<b>[0.2, 0.8]</b>	<b>100.0</b>

**1.10.8 Q: Has a doctor or other health professional ever told you that you had diabetes or sugar diabetes (other than during pregnancy)?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Yes		Diabetes No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	10.6	[9.3, 12.1]	89.3	[87.8, 90.6]	0.0	[0.0, 0.2]	100.0
No longer enrolled (n=709)	9.1	[7.0, 11.7]	90.7	[88.0, 92.8]	0.3	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(2) =	4.6092						
Design-based F(1.71, 5283.24) =	2.5473	Pr =	0.087				
<b>Age</b>							
19-34 (n=909)	4.1	[2.9, 5.6]	95.8	[94.3, 97.0]	0.1	[0.0, 0.5]	100.0
35-50 (n=969)	11.8	[9.6, 14.4]	88.1	[85.6, 90.3]	0.1	[0.0, 0.4]	100.0
51-64 (n=1,219)	16.7	[14.4, 19.3]	83.2	[80.6, 85.5]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(4) =	90.4885						
Design-based F(3.48, 10724.30) =	24.0398	Pr =	0.000				
<b>Gender</b>							
Male (n=1,230)	10.2	[8.5, 12.3]	89.8	[87.7, 91.5]	0.0	[0.0, 0.3]	100.0
Female (n=1,867)	10.3	[8.9, 12.0]	89.5	[87.9, 90.9]	0.1	[0.1, 0.4]	100.0
Pearson: Uncorrected chi2(2) =	0.9057						
Design-based F(1.73, 5348.49) =	0.4932	Pr =	0.584				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,058)	10.0	[8.6, 11.6]	89.8	[88.2, 91.2]	0.1	[0.0, 0.3]	100.0
Black, non-Hispanic (n=634)	11.0	[8.6, 13.8]	89.0	[86.1, 91.3]	0.1	[0.0, 0.5]	100.0
Hispanic (n=138)	13.7	[8.9, 20.5]	86.3	[79.5, 91.1]	0.0		100.0
Other, non-Hispanic (n=228)	7.7	[5.0, 11.8]	92.3	[88.2, 95.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.9955						
Design-based F(5.19, 15804.14) =	0.7763	Pr =	0.571				
<b>FPL category</b>							
0-35% (n=1,218)	10.7	[9.0, 12.8]	89.2	[87.2, 91.0]	0.0	[0.0, 0.3]	100.0
36-99% (n=1,084)	9.9	[8.2, 11.9]	90.0	[88.0, 91.7]	0.1	[0.0, 0.6]	100.0
100%+ (n=795)	9.6	[7.6, 12.1]	90.1	[87.6, 92.2]	0.2	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(4) =	2.7998						
Design-based F(3.71, 11459.01) =	0.8307	Pr =	0.498				
<b>Region</b>							
UP/NW/NE (n=574)	11.5	[8.9, 14.6]	88.3	[85.1, 90.9]	0.2	[0.0, 1.6]	100.0
W/E Central/E (n=980)	10.3	[8.5, 12.4]	89.6	[87.5, 91.5]	0.0	[0.0, 0.3]	100.0
S Central/SW/SE (n=633)	10.2	[7.9, 13.1]	89.5	[86.6, 91.8]	0.3	[0.1, 1.0]	100.0
Detroit Metro (n=910)	10.0	[8.1, 12.3]	90.0	[87.7, 91.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	5.8803						
Design-based F(5.07, 15649.83) =	1.2542	Pr =	0.280				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,469)	13.4	[11.9, 15.0]	86.5	[84.9, 88.0]	0.1	[0.0, 0.3]	100.0
No (n=628)	0.0		100.0		0.0		100.0
Pearson: Uncorrected chi2(2) =	108.3877						
Design-based F(1.74, 5360.47) =	55.6219	Pr =	0.000				
<b>Total (n=3,097)</b>	<b>10.3</b>	<b>[9.1, 11.5]</b>	<b>89.6</b>	<b>[88.4, 90.8]</b>	<b>0.1</b>	<b>[0.0, 0.2]</b>	<b>100.0</b>

### 1.10.9 Q: Has a doctor or other health professional ever told you that you had a heart condition or heart disease?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Heart condition or heart disease						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	10.0	[8.5, 11.7]	89.5	[87.7, 91.0]	0.5	[0.3, 0.9]	100.0
No longer enrolled (n=709)	9.2	[7.0, 12.1]	90.6	[87.7, 92.8]	0.2	[0.1, 0.7]	100.0
Pearson: Uncorrected chi2(2) =	1.7077						
Design-based F(1.69, 5207.28) =	0.7959	Pr =	0.432				
<b>Age</b>							
19-34 (n=909)	4.7	[3.3, 6.6]	95.0	[93.1, 96.4]	0.3	[0.1, 0.8]	100.0
35-50 (n=969)	11.1	[8.5, 14.3]	88.5	[85.2, 91.1]	0.5	[0.2, 1.1]	100.0
51-64 (n=1,219)	15.0	[12.7, 17.7]	84.3	[81.6, 86.7]	0.7	[0.4, 1.4]	100.0
Pearson: Uncorrected chi2(4) =	65.8747						
Design-based F(3.57, 11008.33) =	12.4518	Pr =	0.000				
<b>Gender</b>							
Male (n=1,230)	12.2	[10.0, 14.9]	87.3	[84.6, 89.5]	0.5	[0.2, 1.0]	100.0
Female (n=1,867)	7.6	[6.4, 9.1]	91.9	[90.4, 93.2]	0.4	[0.2, 0.8]	100.0
Pearson: Uncorrected chi2(2) =	18.5670						
Design-based F(1.84, 5672.30) =	7.6455	Pr =	0.001				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,058)	11.0	[9.4, 12.8]	88.4	[86.5, 90.0]	0.7	[0.4, 1.1]	100.0
Black, non-Hispanic (n=634)	9.1	[6.5, 12.6]	90.7	[87.3, 93.3]	0.1	[0.0, 0.6]	100.0
Hispanic (n=138)	2.1	[0.7, 6.0]	97.9	[94.0, 99.3]	0.0		100.0
Other, non-Hispanic (n=228)	8.0	[4.0, 15.2]	91.9	[84.8, 95.9]	0.1	[0.0, 0.8]	100.0
Pearson: Uncorrected chi2(6) =	19.7941						
Design-based F(4.21, 12808.64) =	2.6564	Pr =	0.029				
<b>FPL category</b>							
0-35% (n=1,218)	10.6	[8.6, 13.1]	89.1	[86.7, 91.2]	0.2	[0.1, 0.7]	100.0
36-99% (n=1,084)	7.5	[5.9, 9.5]	91.6	[89.5, 93.2]	1.0	[0.5, 1.8]	100.0
100%+ (n=795)	10.9	[8.4, 13.9]	88.8	[85.8, 91.3]	0.3	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(4) =	13.5178						
Design-based F(3.56, 10970.29) =	3.1817	Pr =	0.016				
<b>Region</b>							
UP/NW/NE (n=574)	12.5	[9.8, 15.8]	86.9	[83.6, 89.7]	0.6	[0.2, 1.7]	100.0
W/E Central/E (n=980)	11.2	[9.1, 13.7]	88.0	[85.5, 90.2]	0.7	[0.4, 1.6]	100.0
S Central/SW/SE (n=633)	8.7	[6.5, 11.6]	90.7	[87.8, 92.9]	0.6	[0.2, 1.6]	100.0
Detroit Metro (n=910)	8.7	[6.5, 11.6]	91.1	[88.3, 93.3]	0.2	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(6) =	11.9115						
Design-based F(4.76, 14697.34) =	1.9209	Pr =	0.091				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,469)	12.8	[11.1, 14.6]	86.6	[84.8, 88.3]	0.6	[0.4, 1.0]	100.0
No (n=628)	0.0		100.0		0.0		100.0
Pearson: Uncorrected chi2(2) =	106.9827						
Design-based F(1.84, 5670.53) =	43.1468	Pr =	0.000				
<b>Total (n=3,097)</b>	<b>9.8</b>	<b>[8.5, 11.3]</b>	<b>89.7</b>	<b>[88.3, 91.1]</b>	<b>0.5</b>	<b>[0.3, 0.7]</b>	<b>100.0</b>

**1.10.10 Q: Has a doctor or other health professional ever told you that you had a substance use disorder?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Substance use disorder						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	4.4	[3.5, 5.7]	95.5	[94.3, 96.5]	0.0	[0.0, 0.2]	100.0
No longer enrolled (n=708)	3.3	[2.0, 5.6]	96.5	[94.2, 97.9]	0.2	[0.0, 1.4]	100.0
Pearson: Uncorrected chi2(2) =	3.1122						
Design-based F(1.85, 5712.12) =	1.1262	Pr =	0.321				
<b>Age</b>							
19-34 (n=909)	2.4	[1.5, 3.8]	97.5	[96.1, 98.4]	0.1	[0.0, 0.9]	100.0
35-50 (n=968)	5.8	[4.0, 8.4]	94.1	[91.5, 95.9]	0.1	[0.0, 0.5]	100.0
51-64 (n=1,218)	4.6	[3.3, 6.4]	95.4	[93.6, 96.7]	0.0		100.0
Pearson: Uncorrected chi2(4) =	17.7792						
Design-based F(3.61, 11131.70) =	3.3830	Pr =	0.012				
<b>Gender</b>							
Male (n=1,229)	6.0	[4.6, 7.8]	93.9	[92.1, 95.4]	0.1	[0.0, 0.4]	100.0
Female (n=1,866)	2.6	[1.7, 3.9]	97.3	[96.0, 98.2]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(2) =	22.6207						
Design-based F(1.79, 5506.81) =	8.3552	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,057)	4.9	[3.7, 6.3]	95.0	[93.6, 96.2]	0.1	[0.0, 0.5]	100.0
Black, non-Hispanic (n=633)	3.3	[2.0, 5.6]	96.7	[94.4, 98.0]	0.0		100.0
Hispanic (n=138)	1.7	[0.4, 7.7]	98.0	[92.6, 99.5]	0.3	[0.0, 1.9]	100.0
Other, non-Hispanic (n=228)	4.0	[1.7, 9.1]	96.0	[90.9, 98.3]	0.0		100.0
Pearson: Uncorrected chi2(6) =	7.6354						
Design-based F(5.27, 16028.42) =	0.8450	Pr =	0.522				
<b>FPL category</b>							
0-35% (n=1,216)	5.0	[3.7, 6.8]	94.9	[93.1, 96.3]	0.0	[0.0, 0.3]	100.0
36-99% (n=1,084)	3.5	[2.4, 5.3]	96.5	[94.7, 97.6]	0.0		100.0
100%+ (n=795)	2.8	[1.8, 4.4]	96.9	[95.2, 97.9]	0.3	[0.1, 1.4]	100.0
Pearson: Uncorrected chi2(4) =	10.9360						
Design-based F(3.73, 11502.18) =	2.4035	Pr =	0.052				
<b>Region</b>							
UP/NW/NE (n=574)	4.2	[2.8, 6.3]	95.8	[93.7, 97.2]	0.0		100.0
W/E Central/E (n=980)	4.8	[3.5, 6.5]	95.1	[93.4, 96.4]	0.1	[0.0, 0.6]	100.0
S Central/SW/SE (n=632)	4.2	[2.5, 6.9]	95.8	[93.1, 97.5]	0.0		100.0
Detroit Metro (n=909)	3.8	[2.4, 5.8]	96.1	[94.0, 97.5]	0.1	[0.0, 0.7]	100.0
Pearson: Uncorrected chi2(6) =	2.6501						
Design-based F(4.41, 13600.29) =	0.4160	Pr =	0.815				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,467)	4.6	[3.6, 5.8]	95.3	[94.1, 96.3]	0.1	[0.0, 0.4]	100.0
No (n=628)	3.0	[1.7, 5.3]	97.0	[94.7, 98.3]	0.0		100.0
Pearson: Uncorrected chi2(2) =	4.0783						
Design-based F(1.86, 5733.11) =	1.3867	Pr =	0.250				
<b>Total (n=3,095)</b>	<b>4.2</b>	<b>[3.3, 5.2]</b>	<b>95.7</b>	<b>[94.7, 96.6]</b>	<b>0.1</b>	<b>[0.0, 0.3]</b>	<b>100.0</b>

**Note:** Total count is less than universe count due to item non-response.

**1.10.11 Q: Has a doctor or other health professional ever told you that you had cancer, other than skin cancer?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Cancer						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	2.9	[2.3, 3.7]	96.8	[96.1, 97.5]	0.3	[0.1, 0.5]	100.0
No longer enrolled (n=709)	3.1	[2.2, 4.4]	96.6	[95.3, 97.6]	0.3	[0.1, 1.1]	100.0
Pearson: Uncorrected chi2(2) =	0.0839						
Design-based F(1.99, 6127.68) =	0.0462	Pr =	0.954				
<b>Age</b>							
19-34 (n=908)	0.5	[0.2, 1.0]	99.5	[99.0, 99.8]	0.0		100.0
35-50 (n=969)	2.9	[2.0, 4.2]	96.9	[95.5, 97.9]	0.2	[0.1, 0.8]	100.0
51-64 (n=1,219)	6.3	[4.9, 7.9]	93.1	[91.4, 94.5]	0.6	[0.3, 1.4]	100.0
Pearson: Uncorrected chi2(4) =	67.9220						
Design-based F(3.96, 12221.72) =	18.0860	Pr =	0.000				
<b>Gender</b>							
Male (n=1,229)	1.9	[1.3, 2.8]	97.8	[96.9, 98.5]	0.3	[0.1, 0.7]	100.0
Female (n=1,867)	3.9	[3.1, 4.9]	95.9	[94.9, 96.7]	0.2	[0.1, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	11.2015						
Design-based F(1.98, 6094.95) =	5.7804	Pr =	0.003				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,058)	3.5	[2.8, 4.4]	96.1	[95.2, 96.9]	0.4	[0.2, 0.7]	100.0
Black, non-Hispanic (n=634)	1.8	[1.0, 3.1]	98.2	[96.9, 99.0]	0.0		100.0
Hispanic (n=138)	0.6	[0.1, 2.4]	98.6	[95.0, 99.6]	0.8	[0.1, 5.6]	100.0
Other, non-Hispanic (n=227)	3.8	[1.9, 7.5]	96.2	[92.5, 98.1]	0.0		100.0
Pearson: Uncorrected chi2(6) =	15.2959						
Design-based F(5.26, 16022.22) =	2.2594	Pr =	0.043				
<b>FPL category</b>							
0-35% (n=1,218)	2.6	[1.9, 3.6]	97.1	[96.1, 97.9]	0.2	[0.1, 0.6]	100.0
36-99% (n=1,083)	3.0	[2.1, 4.1]	96.7	[95.5, 97.6]	0.3	[0.1, 1.0]	100.0
100%+ (n=795)	3.7	[2.6, 5.3]	96.1	[94.5, 97.2]	0.2	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(4) =	2.2019						
Design-based F(3.91, 12052.36) =	0.6577	Pr =	0.618				
<b>Region</b>							
UP/NW/NE (n=574)	5.0	[3.3, 7.5]	94.7	[92.2, 96.5]	0.3	[0.1, 1.1]	100.0
W/E Central/E (n=979)	3.1	[2.2, 4.3]	96.4	[95.1, 97.4]	0.5	[0.2, 1.3]	100.0
S Central/SW/SE (n=633)	3.0	[2.0, 4.6]	96.6	[95.0, 97.7]	0.4	[0.2, 1.1]	100.0
Detroit Metro (n=910)	2.4	[1.6, 3.5]	97.6	[96.5, 98.4]	0.0		100.0
Pearson: Uncorrected chi2(6) =	12.4614						
Design-based F(5.42, 16717.41) =	2.6257	Pr =	0.019				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,468)	3.8	[3.1, 4.7]	95.9	[95.0, 96.6]	0.3	[0.2, 0.6]	100.0
No (n=628)	0.0		99.9	[99.5, 100.0]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(2) =	29.7802						
Design-based F(1.79, 5531.56) =	18.8496	Pr =	0.000				
<b>Total (n=3,096)</b>	<b>2.9</b>	<b>[2.4, 3.6]</b>	<b>96.8</b>	<b>[96.1, 97.4]</b>	<b>0.3</b>	<b>[0.1, 0.5]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

**1.10.12 Q: Has a doctor or other health professional ever told you that you had a stroke?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Yes		Stroke		No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=2,387)	2.4	[1.7, 3.3]	97.5	[96.5, 98.1]	0.1	[0.0, 0.5]			100.0
No longer enrolled (n=709)	2.8	[1.6, 5.1]	97.0	[94.7, 98.3]	0.2	[0.0, 1.2]			100.0
Pearson: Uncorrected chi2(2) =	0.4435								
Design-based F(1.93, 5947.98) =	0.1456	Pr =	0.857						
<b>Age</b>									
19-34 (n=909)	0.1	[0.0, 0.4]	99.9	[99.5, 100.0]	0.1	[0.0, 0.5]			100.0
35-50 (n=969)	3.9	[2.5, 6.0]	95.8	[93.6, 97.2]	0.3	[0.1, 1.2]			100.0
51-64 (n=1,218)	4.0	[2.9, 5.7]	95.9	[94.2, 97.1]	0.1	[0.0, 0.4]			100.0
Pearson: Uncorrected chi2(4) =	48.2613								
Design-based F(3.45, 10632.51) =	12.2839	Pr =	0.000						
<b>Gender</b>									
Male (n=1,229)	3.6	[2.5, 5.2]	96.2	[94.6, 97.4]	0.2	[0.0, 0.8]			100.0
Female (n=1,867)	1.6	[1.1, 2.3]	98.3	[97.6, 98.9]	0.1	[0.0, 0.5]			100.0
Pearson: Uncorrected chi2(2) =	13.6050								
Design-based F(1.99, 6150.35) =	5.3842	Pr =	0.005						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=2,058)	2.2	[1.5, 3.3]	97.5	[96.4, 98.3]	0.2	[0.1, 0.7]			100.0
Black, non-Hispanic (n=634)	2.4	[1.3, 4.4]	97.6	[95.6, 98.7]	0.0				100.0
Hispanic (n=138)	2.1	[0.5, 8.3]	97.9	[91.7, 99.5]	0.0				100.0
Other, non-Hispanic (n=227)	5.1	[2.6, 9.6]	94.9	[90.4, 97.4]	0.0				100.0
Pearson: Uncorrected chi2(6) =	10.6415								
Design-based F(5.94, 18089.51) =	1.0816	Pr =	0.371						
<b>FPL category</b>									
0-35% (n=1,218)	3.5	[2.4, 5.0]	96.5	[95.0, 97.6]	0.0				100.0
36-99% (n=1,084)	1.5	[0.9, 2.5]	98.2	[97.1, 98.9]	0.3	[0.1, 1.4]			100.0
100%+ (n=794)	1.3	[0.8, 2.3]	98.4	[97.3, 99.0]	0.3	[0.1, 1.2]			100.0
Pearson: Uncorrected chi2(4) =	18.8032								
Design-based F(3.73, 11491.52) =	4.2555	Pr =	0.003						
<b>Region</b>									
UP/NW/NE (n=574)	1.9	[1.1, 3.4]	97.9	[96.4, 98.8]	0.2	[0.0, 1.3]			100.0
W/E Central/E (n=979)	2.3	[1.4, 3.5]	97.7	[96.4, 98.5]	0.1	[0.0, 0.7]			100.0
S Central/SW/SE (n=633)	3.2	[1.9, 5.2]	96.6	[94.6, 97.9]	0.2	[0.0, 1.4]			100.0
Detroit Metro (n=910)	2.5	[1.5, 4.2]	97.3	[95.6, 98.4]	0.1	[0.0, 1.0]			100.0
Pearson: Uncorrected chi2(6) =	2.0796								
Design-based F(5.08, 15651.63) =	0.3120	Pr =	0.908						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=2,468)	3.3	[2.5, 4.3]	96.5	[95.5, 97.4]	0.2	[0.1, 0.5]			100.0
No (n=628)	0.0		100.0		0.0				100.0
Pearson: Uncorrected chi2(2) =	25.5329								
Design-based F(1.98, 6104.63) =	8.6102	Pr =	0.000						
<b>Total (n=3,096)</b>	<b>2.5</b>	<b>[1.9, 3.3]</b>	<b>97.3</b>	<b>[96.5, 98.0]</b>	<b>0.1</b>	<b>[0.0, 0.4]</b>			<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

**1.10.13 Q: Has a doctor or other health professional ever told you that you had any other ongoing health condition?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Other chronic condition				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,384)	30.7	[28.4, 33.1]	69.3	[66.9, 71.6]	100.0
No longer enrolled (n=709)	27.1	[23.3, 31.2]	72.9	[68.8, 76.7]	100.0
Pearson: Uncorrected chi2(1) =	3.3967				
Design-based F(1.00, 3081.00) =	2.2684	Pr =	0.132		
<b>Age</b>					
19-34 (n=906)	21.9	[18.7, 25.4]	78.1	[74.6, 81.3]	100.0
35-50 (n=969)	34.7	[31.1, 38.5]	65.3	[61.5, 68.9]	100.0
51-64 (n=1,218)	34.5	[31.3, 37.8]	65.5	[62.2, 68.7]	100.0
Pearson: Uncorrected chi2(2) =	55.6038				
Design-based F(1.94, 5966.15) =	17.7823	Pr =	0.000		
<b>Gender</b>					
Male (n=1,228)	26.6	[23.7, 29.7]	73.4	[70.3, 76.3]	100.0
Female (n=1,865)	32.7	[30.1, 35.5]	67.3	[64.5, 69.9]	100.0
Pearson: Uncorrected chi2(1) =	13.8087				
Design-based F(1.00, 3081.00) =	8.6422	Pr =	0.003		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=2,054)	34.4	[31.7, 37.1]	65.6	[62.9, 68.3]	100.0
Black, non-Hispanic (n=634)	18.2	[15.1, 21.9]	81.8	[78.1, 84.9]	100.0
Hispanic (n=138)	25.9	[18.7, 34.8]	74.1	[65.2, 81.3]	100.0
Other, non-Hispanic (n=228)	34.8	[27.8, 42.6]	65.2	[57.4, 72.2]	100.0
Pearson: Uncorrected chi2(3) =	74.7623				
Design-based F(2.98, 9053.50) =	16.1944	Pr =	0.000		
<b>FPL category</b>					
0-35% (n=1,215)	31.3	[28.1, 34.5]	68.7	[65.5, 71.9]	100.0
36-99% (n=1,084)	28.4	[25.3, 31.6]	71.6	[68.4, 74.7]	100.0
100%+ (n=794)	28.2	[24.8, 31.9]	71.8	[68.1, 75.2]	100.0
Pearson: Uncorrected chi2(2) =	3.2531				
Design-based F(1.94, 5967.43) =	1.2887	Pr =	0.275		
<b>Region</b>					
UP/NW/NE (n=573)	32.2	[28.1, 36.6]	67.8	[63.4, 71.9]	100.0
W/E Central/E (n=979)	34.5	[31.2, 38.1]	65.5	[61.9, 68.8]	100.0
S Central/SW/SE (n=632)	33.1	[29.0, 37.5]	66.9	[62.5, 71.0]	100.0
Detroit Metro (n=909)	24.7	[21.4, 28.3]	75.3	[71.7, 78.6]	100.0
Pearson: Uncorrected chi2(3) =	30.0202				
Design-based F(2.63, 8107.47) =	8.0049	Pr =	0.000		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=2,467)	33.8	[31.5, 36.1]	66.2	[63.9, 68.5]	100.0
No (n=626)	16.9	[13.4, 21.0]	83.1	[79.0, 86.6]	100.0
Pearson: Uncorrected chi2(1) =	74.9782				
Design-based F(1.00, 3081.00) =	40.6498	Pr =	0.000		
<b>Total (n=3,093)</b>	<b>29.8</b>	<b>[27.9, 31.9]</b>	<b>70.2</b>	<b>[68.1, 72.1]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 1.10.13.1 Q: What is the condition?

*Follow-up group(s):* Still enrolled, No longer enrolled

*Universe:* Respondents who indicated other chronic condition (n = 993)

Other conditions	Weighted Proportion	95%CI
Other (n=745)	76.2	[72.5, 79.5]
Back pain (n=161)	15.1	[12.6, 18.0]
Thyroid/hypo-thyroid (n=100)	10.5	[7.9, 13.7]
Cholesterol (n=82)	8.0	[6.2, 10.4]
Allergies (n=24)	2.0	[1.3, 3.2]
Don't know (n=2)	0.3	[0.1, 1.1]

**Note:** Respondents were able to provide multiple responses

- 2 Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.**

## 2.1 Q: Do you think eyeglasses are covered, not covered, or don't know?

Follow-up group(s): Still enrolled

Universe: All respondents

	Knowledge that eyeglasses are covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	67.9	[65.4, 70.3]	7.3	[6.1, 8.7]	24.9	[22.6, 27.3]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	66.3	[61.6, 70.7]	6.9	[5.0, 9.3]	26.8	[22.7, 31.4]	100.0
35-50 (n=760)	67.6	[63.0, 71.8]	7.9	[5.8, 10.8]	24.5	[20.6, 28.8]	100.0
51-64 (n=964)	70.2	[66.6, 73.6]	6.9	[5.2, 9.2]	22.9	[19.8, 26.2]	100.0
Pearson: Uncorrected chi2(4) =	4.1483						
Design-based F(3.83, 9107.13) =	0.6487	Pr =	0.621				
<b>Gender</b>							
Male (n=933)	59.9	[55.7, 63.9]	9.5	[7.4, 12.1]	30.6	[26.8, 34.7]	100.0
Female (n=1,455)	74.7	[71.8, 77.4]	5.3	[4.1, 6.8]	20.0	[17.4, 22.8]	100.0
Pearson: Uncorrected chi2(2) =	60.7863						
Design-based F(1.98, 4702.36) =	19.0850	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	69.9	[66.9, 72.7]	8.2	[6.7, 10.0]	21.9	[19.4, 24.6]	100.0
Black, non-Hispanic (n=479)	64.0	[58.2, 69.4]	5.6	[3.5, 8.9]	30.4	[25.2, 36.1]	100.0
Hispanic (n=100)	74.1	[63.0, 82.7]	4.4	[1.7, 10.6]	21.6	[13.6, 32.4]	100.0
Other, non-Hispanic (n=176)	60.6	[50.9, 69.6]	7.4	[3.7, 14.0]	32.0	[23.5, 41.9]	100.0
Pearson: Uncorrected chi2(6) =	27.3111						
Design-based F(5.77, 13544.97) =	2.5864	Pr =	0.018				
<b>FPL category</b>							
0-35% (n=1,001)	67.3	[63.4, 71.0]	7.3	[5.5, 9.5]	25.4	[22.0, 29.2]	100.0
36-99% (n=824)	71.6	[67.8, 75.1]	6.2	[4.5, 8.6]	22.2	[19.1, 25.7]	100.0
100%+ (n=563)	64.2	[59.4, 68.7]	8.8	[6.5, 11.7]	27.0	[22.9, 31.6]	100.0
Pearson: Uncorrected chi2(4) =	7.3812						
Design-based F(3.84, 9133.61) =	1.4301	Pr =	0.223				
<b>Region</b>							
UP/NW/NE (n=450)	72.7	[67.6, 77.2]	7.7	[5.3, 11.0]	19.6	[15.6, 24.4]	100.0
W/E Central/E (n=777)	69.2	[65.3, 72.8]	8.1	[6.2, 10.6]	22.7	[19.4, 26.3]	100.0
S Central/SW/SE (n=464)	66.6	[61.6, 71.3]	9.0	[6.5, 12.3]	24.4	[20.2, 29.1]	100.0
Detroit Metro (n=697)	66.5	[61.8, 70.8]	5.9	[4.0, 8.6]	27.6	[23.5, 32.2]	100.0
Pearson: Uncorrected chi2(6) =	13.5452						
Design-based F(5.19, 12339.01) =	1.7889	Pr =	0.108				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	68.7	[65.8, 71.4]	6.8	[5.6, 8.4]	24.5	[22.0, 27.2]	100.0
No (n=457)	65.1	[59.4, 70.3]	8.8	[5.9, 12.7]	26.2	[21.4, 31.6]	100.0
Pearson: Uncorrected chi2(2) =	3.2600						
Design-based F(2.00, 4751.46) =	0.9138	Pr =	0.401				
<b>Total (n=2,388)</b>	67.9	[65.4, 70.3]	7.3	[6.1, 8.7]	24.9	[22.6, 27.3]	100.0

## 2.2 Q: Do you think prescription medications are covered, not covered, or don't know?

Follow-up group(s): Still enrolled

Universe: All respondents

	Knowledge that prescription medications are covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	95.1	[93.8, 96.1]	1.1	[0.6, 2.1]	3.8	[2.9, 4.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	93.1	[89.9, 95.3]	1.8	[0.7, 4.4]	5.1	[3.3, 7.8]	100.0
35-50 (n=760)	96.2	[94.3, 97.5]	0.5	[0.2, 1.5]	3.3	[2.1, 5.1]	100.0
51-64 (n=964)	96.2	[94.4, 97.4]	1.1	[0.4, 2.6]	2.7	[1.8, 4.1]	100.0
Pearson: Uncorrected chi2(4) =	13.5917						
Design-based F(3.70, 8788.01) =	2.0934	Pr =	0.084				
<b>Gender</b>							
Male (n=933)	94.0	[91.6, 95.8]	1.2	[0.4, 3.3]	4.7	[3.3, 6.8]	100.0
Female (n=1,455)	96.0	[94.5, 97.1]	1.1	[0.6, 2.1]	2.9	[2.0, 4.2]	100.0
Pearson: Uncorrected chi2(2) =	5.3707						
Design-based F(1.90, 4504.60) =	1.2804	Pr =	0.277				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	96.2	[94.9, 97.2]	0.4	[0.2, 1.0]	3.3	[2.4, 4.6]	100.0
Black, non-Hispanic (n=479)	93.8	[90.2, 96.1]	2.4	[0.9, 6.0]	3.8	[2.3, 6.3]	100.0
Hispanic (n=100)	95.8	[89.6, 98.4]	1.7	[0.3, 7.7]	2.6	[0.8, 7.9]	100.0
Other, non-Hispanic (n=176)	92.4	[83.4, 96.7]	1.8	[0.4, 7.4]	5.8	[2.1, 15.1]	100.0
Pearson: Uncorrected chi2(6) =	19.4188						
Design-based F(5.19, 12168.34) =	1.7843	Pr =	0.109				
<b>FPL category</b>							
0-35% (n=1,001)	94.5	[92.2, 96.1]	1.4	[0.6, 3.1]	4.2	[2.8, 6.1]	100.0
36-99% (n=824)	96.5	[94.8, 97.7]	0.8	[0.3, 1.6]	2.7	[1.7, 4.3]	100.0
100%+ (n=563)	94.9	[92.5, 96.5]	1.1	[0.4, 2.9]	4.1	[2.7, 6.1]	100.0
Pearson: Uncorrected chi2(4) =	3.9133						
Design-based F(3.66, 8706.18) =	0.7769	Pr =	0.530				
<b>Region</b>							
UP/NW/NE (n=450)	97.0	[94.8, 98.3]	0.4	[0.1, 1.7]	2.5	[1.4, 4.7]	100.0
W/E Central/E (n=777)	96.2	[94.4, 97.5]	0.2	[0.0, 0.7]	3.6	[2.4, 5.5]	100.0
S Central/SW/SE (n=464)	95.5	[92.7, 97.3]	1.4	[0.6, 3.3]	3.1	[1.7, 5.6]	100.0
Detroit Metro (n=697)	93.7	[91.0, 95.7]	1.9	[0.9, 4.0]	4.4	[2.9, 6.7]	100.0
Pearson: Uncorrected chi2(6) =	14.7855						
Design-based F(4.96, 11788.74) =	2.3109	Pr =	0.042				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	95.8	[94.4, 96.9]	1.3	[0.7, 2.5]	2.9	[2.1, 4.0]	100.0
No (n=457)	92.5	[88.7, 95.1]	0.5	[0.1, 2.1]	7.1	[4.6, 10.8]	100.0
Pearson: Uncorrected chi2(2) =	22.4020						
Design-based F(1.99, 4730.46) =	6.7562	Pr =	0.001				
<b>Total (n=2,388)</b>	95.1	[93.8, 96.1]	1.1	[0.6, 2.1]	3.8	[2.9, 4.9]	100.0

## 2.3 Q: Do you think routine dental care is covered, not covered, or don't know?

Follow-up group(s): Still enrolled

Universe: All respondents

	Knowledge that routine dental care is covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	81.6	[79.5, 83.5]	4.5	[3.5, 5.6]	14.0	[12.2, 15.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	82.4	[78.4, 85.8]	5.2	[3.4, 7.8]	12.4	[9.5, 16.0]	100.0
35-50 (n=760)	82.3	[78.6, 85.5]	3.1	[1.9, 4.9]	14.6	[11.7, 18.1]	100.0
51-64 (n=964)	79.6	[76.4, 82.5]	5.3	[3.8, 7.3]	15.1	[12.6, 18.0]	100.0
Pearson: Uncorrected chi2(4) =	8.5984						
Design-based F(3.84, 9130.04) =	1.3533	Pr =	0.249				
<b>Gender</b>							
Male (n=933)	79.7	[76.2, 82.9]	4.5	[3.1, 6.5]	15.7	[12.9, 19.0]	100.0
Female (n=1,455)	83.1	[80.6, 85.4]	4.4	[3.3, 5.9]	12.4	[10.5, 14.7]	100.0
Pearson: Uncorrected chi2(2) =	5.5201						
Design-based F(2.00, 4750.14) =	1.6754	Pr =	0.187				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	82.7	[80.2, 85.0]	3.6	[2.6, 4.8]	13.7	[11.6, 16.1]	100.0
Black, non-Hispanic (n=479)	80.1	[75.3, 84.2]	4.3	[2.7, 6.9]	15.6	[11.9, 20.1]	100.0
Hispanic (n=100)	79.3	[68.3, 87.1]	7.4	[2.8, 18.3]	13.3	[7.7, 22.1]	100.0
Other, non-Hispanic (n=176)	79.4	[71.0, 85.8]	9.1	[4.8, 16.4]	11.5	[7.1, 18.2]	100.0
Pearson: Uncorrected chi2(6) =	17.5050						
Design-based F(5.84, 13710.01) =	1.6915	Pr =	0.121				
<b>FPL category</b>							
0-35% (n=1,001)	82.7	[79.5, 85.5]	3.7	[2.5, 5.4]	13.6	[11.1, 16.5]	100.0
36-99% (n=824)	81.3	[77.9, 84.3]	4.6	[3.2, 6.7]	14.1	[11.4, 17.2]	100.0
100%+ (n=563)	78.4	[74.0, 82.3]	6.6	[4.4, 10.0]	14.9	[11.8, 18.8]	100.0
Pearson: Uncorrected chi2(4) =	7.4923						
Design-based F(3.89, 9234.52) =	1.3525	Pr =	0.249				
<b>Region</b>							
UP/NW/NE (n=450)	87.1	[83.2, 90.3]	2.3	[1.3, 4.1]	10.6	[7.7, 14.4]	100.0
W/E Central/E (n=777)	79.9	[76.3, 83.1]	4.7	[3.1, 7.1]	15.4	[12.6, 18.7]	100.0
S Central/SW/SE (n=464)	81.5	[77.3, 85.1]	4.9	[3.1, 7.5]	13.6	[10.6, 17.4]	100.0
Detroit Metro (n=697)	81.6	[77.7, 84.9]	4.6	[3.1, 6.7]	13.8	[10.9, 17.4]	100.0
Pearson: Uncorrected chi2(6) =	6.5214						
Design-based F(5.14, 12212.39) =	0.9123	Pr =	0.474				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	81.0	[78.6, 83.2]	4.8	[3.7, 6.2]	14.3	[12.3, 16.4]	100.0
No (n=457)	83.7	[79.2, 87.5]	3.4	[2.1, 5.5]	12.8	[9.4, 17.3]	100.0
Pearson: Uncorrected chi2(2) =	2.6388						
Design-based F(1.93, 4583.82) =	0.8730	Pr =	0.414				
<b>Total (n=2,388)</b>	81.6	[79.5, 83.5]	4.5	[3.5, 5.6]	14.0	[12.2, 15.9]	100.0

## 2.4 Q: Do you think treatment to stop smoking is covered, not covered, or don't know?

Follow-up group(s): Still enrolled

Universe: All respondents

	Knowledge that treatment to stop smoking is covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,386)	39.7	[37.2, 42.2]	5.4	[4.3, 6.6]	55.0	[52.4, 57.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=663)	36.9	[32.5, 41.6]	5.6	[3.9, 8.1]	57.5	[52.7, 62.1]	100.0
35-50 (n=759)	37.7	[33.6, 42.0]	6.2	[4.4, 8.7]	56.1	[51.6, 60.4]	100.0
51-64 (n=964)	45.5	[41.7, 49.4]	4.0	[2.9, 5.6]	50.5	[46.7, 54.4]	100.0
Pearson: Uncorrected chi2(4) =	15.6045						
Design-based F(3.80, 9015.10) =	2.6192	Pr =	0.036				
<b>Gender</b>							
Male (n=932)	41.1	[37.2, 45.2]	5.9	[4.3, 8.1]	53.0	[48.9, 57.0]	100.0
Female (n=1,454)	38.4	[35.4, 41.6]	4.9	[3.7, 6.4]	56.7	[53.4, 59.8]	100.0
Pearson: Uncorrected chi2(2) =	3.7041						
Design-based F(2.00, 4737.16) =	1.1496	Pr =	0.317				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,601)	44.3	[41.1, 47.4]	4.5	[3.3, 6.0]	51.3	[48.1, 54.4]	100.0
Black, non-Hispanic (n=479)	34.0	[29.0, 39.4]	8.3	[5.8, 11.7]	57.7	[52.2, 63.1]	100.0
Hispanic (n=100)	30.9	[21.6, 42.2]	4.7	[1.9, 11.3]	64.3	[52.9, 74.4]	100.0
Other, non-Hispanic (n=176)	29.4	[22.1, 38.0]	2.8	[1.3, 6.1]	67.8	[59.1, 75.3]	100.0
Pearson: Uncorrected chi2(6) =	47.2484						
Design-based F(5.75, 13475.53) =	5.3120	Pr =	0.000				
<b>FPL category</b>							
0-35% (n=1,000)	42.0	[38.3, 45.9]	5.8	[4.3, 7.9]	52.1	[48.2, 56.0]	100.0
36-99% (n=823)	36.2	[32.3, 40.3]	3.9	[2.8, 5.5]	59.9	[55.8, 63.9]	100.0
100%+ (n=563)	37.4	[32.9, 42.1]	6.1	[4.3, 8.5]	56.5	[51.8, 61.1]	100.0
Pearson: Uncorrected chi2(4) =	12.6113						
Design-based F(3.80, 9012.43) =	2.6882	Pr =	0.032				
<b>Region</b>							
UP/NW/NE (n=449)	41.6	[36.6, 46.8]	6.8	[4.5, 10.3]	51.5	[46.3, 56.8]	100.0
W/E Central/E (n=776)	43.7	[39.7, 47.8]	5.7	[4.0, 7.9]	50.6	[46.6, 54.7]	100.0
S Central/SW/SE (n=464)	42.4	[37.3, 47.6]	4.1	[2.7, 6.3]	53.5	[48.3, 58.7]	100.0
Detroit Metro (n=697)	35.5	[31.2, 40.0]	5.4	[3.7, 7.8]	59.2	[54.6, 63.6]	100.0
Pearson: Uncorrected chi2(6) =	17.0958						
Design-based F(5.28, 12541.35) =	2.3893	Pr =	0.033				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,929)	41.1	[38.3, 43.9]	5.4	[4.3, 6.8]	53.5	[50.6, 56.4]	100.0
No (n=457)	34.7	[29.6, 40.2]	5.1	[3.1, 8.3]	60.2	[54.5, 65.6]	100.0
Pearson: Uncorrected chi2(2) =	7.4697						
Design-based F(2.00, 4746.32) =	2.1855	Pr =	0.113				
<b>Total (n=2,386)</b>	<b>39.7</b>	<b>[37.2, 42.2]</b>	<b>5.4</b>	<b>[4.3, 6.6]</b>	<b>55.0</b>	<b>[52.4, 57.5]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 2.5 Q: Do you think birth control or family planning is covered, not covered, or don't know?

Follow-up group(s): Still enrolled

Universe: All respondents

	Knowledge that birth control/family planning is covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	48.1	[45.5, 50.7]	4.2	[3.2, 5.5]	47.7	[45.1, 50.4]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	57.9	[52.9, 62.6]	4.8	[2.9, 7.8]	37.4	[32.7, 42.3]	100.0
35-50 (n=760)	48.6	[44.1, 53.2]	3.4	[2.2, 5.4]	47.9	[43.4, 52.5]	100.0
51-64 (n=964)	35.2	[31.6, 38.9]	4.4	[2.9, 6.5]	60.5	[56.6, 64.2]	100.0
Pearson: Uncorrected chi2(4) =	85.6716						
Design-based F(3.80, 9031.67) =	12.2140	Pr =	0.000				
<b>Gender</b>							
Male (n=933)	32.8	[29.1, 36.7]	6.2	[4.5, 8.4]	61.0	[57.0, 64.9]	100.0
Female (n=1,455)	61.1	[57.8, 64.3]	2.5	[1.4, 4.2]	36.4	[33.3, 39.6]	100.0
Pearson: Uncorrected chi2(2) =	193.8768						
Design-based F(1.96, 4656.78) =	48.8699	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	48.5	[45.3, 51.6]	3.3	[2.2, 5.0]	48.2	[45.0, 51.4]	100.0
Black, non-Hispanic (n=479)	52.4	[46.8, 58.0]	5.7	[3.7, 8.9]	41.8	[36.3, 47.5]	100.0
Hispanic (n=100)	43.9	[32.8, 55.7]	0.0		56.1	[44.3, 67.2]	100.0
Other, non-Hispanic (n=176)	34.5	[26.6, 43.4]	6.9	[3.3, 13.8]	58.6	[49.4, 67.2]	100.0
Pearson: Uncorrected chi2(6) =	36.6662						
Design-based F(5.92, 13892.24) =	3.2825	Pr =	0.003				
<b>FPL category</b>							
0-35% (n=1,001)	43.7	[39.9, 47.7]	4.9	[3.3, 7.1]	51.4	[47.5, 55.3]	100.0
36-99% (n=824)	53.0	[48.8, 57.1]	3.2	[2.1, 4.9]	43.8	[39.7, 47.9]	100.0
100%+ (n=563)	54.4	[49.6, 59.2]	3.5	[2.0, 6.0]	42.1	[37.4, 46.9]	100.0
Pearson: Uncorrected chi2(4) =	23.8386						
Design-based F(3.85, 9154.64) =	4.4803	Pr =	0.002				
<b>Region</b>							
UP/NW/NE (n=450)	52.0	[46.8, 57.2]	1.2	[0.5, 3.0]	46.8	[41.6, 52.0]	100.0
W/E Central/E (n=777)	48.6	[44.5, 52.6]	3.8	[2.5, 5.9]	47.6	[43.5, 51.7]	100.0
S Central/SW/SE (n=464)	50.5	[45.2, 55.7]	4.0	[2.3, 7.0]	45.5	[40.4, 50.7]	100.0
Detroit Metro (n=697)	46.0	[41.4, 50.7]	5.1	[3.3, 7.7]	48.9	[44.2, 53.6]	100.0
Pearson: Uncorrected chi2(6) =	9.8928						
Design-based F(5.16, 12257.87) =	1.2883	Pr =	0.265				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	47.6	[44.7, 50.5]	4.6	[3.4, 6.2]	47.8	[44.9, 50.7]	100.0
No (n=457)	49.9	[44.2, 55.6]	2.5	[1.3, 5.0]	47.6	[41.9, 53.3]	100.0
Pearson: Uncorrected chi2(2) =	4.7909						
Design-based F(2.00, 4749.79) =	1.3705	Pr =	0.254				
<b>Total (n=2,388)</b>	48.1	[45.5, 50.7]	4.2	[3.2, 5.5]	47.7	[45.1, 50.4]	100.0

## 2.6 Q: Do you think counseling for mental or emotional problems is covered, not covered, or don't know?

Follow-up group(s): Still enrolled

Universe: All respondents

	Knowledge that counseling is covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	58.8	[56.2, 61.4]	4.2	[3.2, 5.4]	37.0	[34.5, 39.6]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	59.2	[54.3, 63.8]	5.0	[3.3, 7.5]	35.8	[31.3, 40.7]	100.0
35-50 (n=760)	58.5	[53.8, 63.0]	4.1	[2.5, 6.6]	37.4	[33.0, 42.0]	100.0
51-64 (n=964)	58.7	[54.9, 62.4]	3.3	[2.2, 4.9]	38.0	[34.4, 41.8]	100.0
Pearson: Uncorrected chi2(4) =	3.2475						
Design-based F(3.80, 9035.42) =	0.4851	Pr =	0.737				
<b>Gender</b>							
Male (n=933)	54.1	[49.9, 58.2]	5.9	[4.2, 8.3]	40.0	[35.9, 44.1]	100.0
Female (n=1,455)	62.8	[59.6, 66.0]	2.7	[1.8, 4.0]	34.5	[31.4, 37.7]	100.0
Pearson: Uncorrected chi2(2) =	27.5418						
Design-based F(2.00, 4750.11) =	8.0642	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	63.6	[60.5, 66.6]	3.1	[2.2, 4.4]	33.3	[30.3, 36.4]	100.0
Black, non-Hispanic (n=479)	52.5	[46.8, 58.1]	6.4	[4.1, 9.8]	41.2	[35.6, 46.9]	100.0
Hispanic (n=100)	58.0	[45.9, 69.1]	0.0		42.0	[30.9, 54.1]	100.0
Other, non-Hispanic (n=176)	45.2	[36.4, 54.3]	6.2	[2.7, 13.7]	48.6	[39.4, 57.8]	100.0
Pearson: Uncorrected chi2(6) =	50.7849						
Design-based F(5.86, 13736.17) =	4.5405	Pr =	0.000				
<b>FPL category</b>							
0-35% (n=1,001)	59.0	[55.0, 62.9]	5.3	[3.8, 7.4]	35.7	[31.9, 39.7]	100.0
36-99% (n=824)	57.8	[53.7, 61.8]	2.8	[1.7, 4.6]	39.4	[35.5, 43.4]	100.0
100%+ (n=563)	59.7	[54.9, 64.3]	2.6	[1.5, 4.4]	37.7	[33.1, 42.5]	100.0
Pearson: Uncorrected chi2(4) =	11.3902						
Design-based F(3.82, 9070.12) =	2.2732	Pr =	0.062				
<b>Region</b>							
UP/NW/NE (n=450)	61.0	[55.8, 66.0]	2.2	[1.1, 4.6]	36.7	[31.8, 41.9]	100.0
W/E Central/E (n=777)	63.2	[59.3, 67.0]	3.4	[2.2, 5.3]	33.3	[29.6, 37.2]	100.0
S Central/SW/SE (n=464)	63.8	[58.6, 68.7]	4.7	[2.6, 8.3]	31.5	[26.9, 36.5]	100.0
Detroit Metro (n=697)	53.4	[48.6, 58.1]	4.9	[3.3, 7.3]	41.7	[37.1, 46.5]	100.0
Pearson: Uncorrected chi2(6) =	26.2027						
Design-based F(5.28, 12546.25) =	3.3262	Pr =	0.004				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	60.2	[57.3, 63.1]	4.0	[3.0, 5.3]	35.8	[33.0, 38.7]	100.0
No (n=457)	53.7	[48.0, 59.3]	4.8	[2.6, 8.7]	41.5	[36.0, 47.2]	100.0
Pearson: Uncorrected chi2(2) =	7.1064						
Design-based F(1.96, 4660.46) =	1.7640	Pr =	0.172				
<b>Total (n=2,388)</b>	58.8	[56.2, 61.4]	4.2	[3.2, 5.4]	37.0	[34.5, 39.6]	100.0

## 2.7 Q: Do you think substance use treatment is covered, not covered, or don't know?

Follow-up group(s): Still enrolled

Universe: All respondents

	Knowledge that substance use treatment is covered						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	41.4	[38.8, 43.9]	4.7	[3.7, 5.9]	54.0	[51.4, 56.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	36.2	[31.8, 40.9]	4.6	[3.1, 6.8]	59.2	[54.5, 63.8]	100.0
35-50 (n=760)	43.4	[39.0, 48.0]	5.8	[4.0, 8.4]	50.8	[46.2, 55.3]	100.0
51-64 (n=964)	45.3	[41.5, 49.1]	3.4	[2.3, 5.1]	51.3	[47.4, 55.1]	100.0
Pearson: Uncorrected chi2(4) =	20.4732						
Design-based F(3.84, 9112.40) =	3.3265	Pr =	0.011				
<b>Gender</b>							
Male (n=933)	42.4	[38.4, 46.5]	6.6	[4.9, 8.9]	51.0	[46.8, 55.1]	100.0
Female (n=1,455)	40.5	[37.3, 43.7]	3.0	[2.2, 4.3]	56.5	[53.2, 59.7]	100.0
Pearson: Uncorrected chi2(2) =	20.1864						
Design-based F(1.98, 4711.14) =	6.4061	Pr =	0.002				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	42.4	[39.2, 45.5]	3.5	[2.6, 4.6]	54.2	[51.0, 57.3]	100.0
Black, non-Hispanic (n=479)	43.1	[37.7, 48.8]	6.3	[4.1, 9.5]	50.6	[44.9, 56.2]	100.0
Hispanic (n=100)	43.0	[31.7, 55.1]	4.3	[1.2, 14.2]	52.7	[40.8, 64.4]	100.0
Other, non-Hispanic (n=176)	29.6	[22.2, 38.3]	8.1	[4.0, 15.7]	62.3	[53.2, 70.7]	100.0
Pearson: Uncorrected chi2(6) =	25.0977						
Design-based F(5.89, 13809.02) =	2.2831	Pr =	0.034				
<b>FPL category</b>							
0-35% (n=1,001)	43.4	[39.6, 47.4]	5.5	[4.0, 7.5]	51.1	[47.1, 55.0]	100.0
36-99% (n=824)	38.4	[34.4, 42.5]	3.7	[2.5, 5.5]	57.9	[53.8, 62.0]	100.0
100%+ (n=563)	39.2	[34.7, 44.0]	3.7	[2.4, 5.7]	57.1	[52.3, 61.7]	100.0
Pearson: Uncorrected chi2(4) =	11.8603						
Design-based F(3.82, 9075.40) =	2.4794	Pr =	0.045				
<b>Region</b>							
UP/NW/NE (n=450)	40.5	[35.5, 45.7]	3.1	[1.7, 5.7]	56.4	[51.1, 61.5]	100.0
W/E Central/E (n=777)	40.4	[36.5, 44.4]	4.7	[3.3, 6.5]	55.0	[50.9, 59.0]	100.0
S Central/SW/SE (n=464)	41.1	[36.1, 46.3]	5.0	[3.1, 7.8]	53.9	[48.7, 59.0]	100.0
Detroit Metro (n=697)	42.3	[37.7, 47.0]	4.9	[3.3, 7.3]	52.8	[48.1, 57.4]	100.0
Pearson: Uncorrected chi2(6) =	2.3992						
Design-based F(5.30, 12595.90) =	0.3311	Pr =	0.903				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	43.4	[40.6, 46.4]	5.0	[4.0, 6.4]	51.5	[48.6, 54.4]	100.0
No (n=457)	33.8	[28.7, 39.3]	3.4	[1.7, 6.7]	62.8	[57.2, 68.1]	100.0
Pearson: Uncorrected chi2(2) =	21.1557						
Design-based F(1.97, 4689.97) =	5.5564	Pr =	0.004				
<b>Total (n=2,388)</b>	41.4	[38.8, 43.9]	4.7	[3.7, 5.9]	54.0	[51.4, 56.5]	100.0

## 2.8 Q: I could be dropped from the Healthy Michigan Plan for not paying my bill.

Follow-up group(s): Still enrolled

Universe: All respondents

	Could be dropped from HMP for not paying my bill						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	32.6	[30.2, 35.1]	16.6	[14.9, 18.6]	50.8	[48.2, 53.4]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=663)	38.3	[33.7, 43.1]	15.4	[12.4, 18.9]	46.3	[41.6, 51.2]	100.0
35-50 (n=760)	27.7	[23.9, 31.8]	18.2	[15.0, 21.9]	54.1	[49.6, 58.6]	100.0
51-64 (n=964)	31.4	[27.9, 35.1]	16.3	[13.7, 19.2]	52.3	[48.4, 56.1]	100.0
Pearson: Uncorrected chi2(4) =	22.5498						
Design-based F(3.85, 9154.59) =	3.6252	Pr =	0.007				
<b>Gender</b>							
Male (n=932)	33.8	[30.0, 37.8]	15.8	[13.2, 18.8]	50.4	[46.3, 54.5]	100.0
Female (n=1,455)	31.5	[28.6, 34.7]	17.3	[15.0, 20.0]	51.1	[47.8, 54.4]	100.0
Pearson: Uncorrected chi2(2) =	1.8170						
Design-based F(1.99, 4735.63) =	0.5474	Pr =	0.578				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	35.3	[32.3, 38.4]	16.4	[14.3, 18.8]	48.3	[45.1, 51.5]	100.0
Black, non-Hispanic (n=479)	27.9	[23.0, 33.3]	16.5	[12.8, 21.1]	55.6	[49.9, 61.2]	100.0
Hispanic (n=100)	33.9	[23.5, 46.1]	15.4	[9.0, 25.2]	50.7	[38.9, 62.4]	100.0
Other, non-Hispanic (n=175)	26.2	[19.0, 34.8]	20.5	[14.4, 28.5]	53.3	[44.2, 62.1]	100.0
Pearson: Uncorrected chi2(6) =	17.0134						
Design-based F(5.92, 13885.31) =	1.6474	Pr =	0.131				
<b>FPL category</b>							
0-35% (n=1,000)	28.6	[25.1, 32.4]	18.2	[15.4, 21.2]	53.2	[49.2, 57.1]	100.0
36-99% (n=824)	33.3	[29.5, 37.4]	15.3	[12.7, 18.3]	51.4	[47.2, 55.5]	100.0
100%+ (n=563)	43.7	[38.9, 48.5]	13.9	[11.0, 17.4]	42.5	[37.8, 47.3]	100.0
Pearson: Uncorrected chi2(4) =	34.4780						
Design-based F(3.82, 9082.58) =	6.7951	Pr =	0.000				
<b>Region</b>							
UP/NW/NE (n=450)	35.1	[30.2, 40.2]	14.8	[11.6, 18.7]	50.1	[45.0, 55.3]	100.0
W/E Central/E (n=777)	34.4	[30.7, 38.3]	17.7	[14.8, 20.9]	47.9	[43.9, 52.0]	100.0
S Central/SW/SE (n=464)	29.3	[24.9, 34.2]	17.0	[13.5, 21.2]	53.7	[48.4, 58.8]	100.0
Detroit Metro (n=696)	32.1	[27.8, 36.7]	16.2	[13.1, 19.7]	51.8	[47.1, 56.4]	100.0
Pearson: Uncorrected chi2(6) =	5.6979						
Design-based F(5.22, 12391.54) =	0.7823	Pr =	0.567				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	31.8	[29.1, 34.5]	16.8	[14.8, 19.0]	51.4	[48.5, 54.3]	100.0
No (n=456)	35.5	[30.2, 41.2]	15.9	[12.4, 20.3]	48.6	[43.0, 54.2]	100.0
Pearson: Uncorrected chi2(2) =	2.5335						
Design-based F(1.99, 4726.99) =	0.7654	Pr =	0.465				
<b>Total (n=2,387)</b>	32.6	[30.2, 35.1]	16.6	[14.9, 18.6]	50.8	[48.2, 53.4]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.9 Q: I may get a reduction in the amount I might have to pay if I complete a health risk assessment.

Follow-up group(s): Still enrolled

Universe: All respondents

	May get reduction by completing HRA						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	27.5	[25.2, 29.8]	12.2	[10.6, 13.9]	60.4	[57.8, 62.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=663)	28.4	[24.3, 32.9]	13.3	[10.4, 16.8]	58.3	[53.5, 62.9]	100.0
35-50 (n=760)	25.2	[21.5, 29.3]	13.0	[10.3, 16.2]	61.8	[57.4, 66.1]	100.0
51-64 (n=964)	29.0	[25.6, 32.6]	9.8	[7.8, 12.1]	61.3	[57.5, 64.9]	100.0
Pearson: Uncorrected chi2(4) =	8.0503						
Design-based F(3.83, 9086.51) =	1.3022	Pr =	0.268				
<b>Gender</b>							
Male (n=932)	31.1	[27.4, 35.0]	11.7	[9.3, 14.5]	57.2	[53.1, 61.3]	100.0
Female (n=1,455)	24.3	[21.7, 27.2]	12.6	[10.6, 14.9]	63.1	[59.9, 66.1]	100.0
Pearson: Uncorrected chi2(2) =	13.6225						
Design-based F(2.00, 4748.71) =	4.1078	Pr =	0.017				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	31.0	[28.1, 34.0]	11.4	[9.6, 13.5]	57.6	[54.4, 60.7]	100.0
Black, non-Hispanic (n=479)	23.9	[19.4, 29.1]	14.1	[10.7, 18.4]	62.0	[56.4, 67.3]	100.0
Hispanic (n=100)	20.4	[12.9, 30.6]	10.9	[5.8, 19.4]	68.7	[57.5, 78.1]	100.0
Other, non-Hispanic (n=175)	19.0	[12.9, 27.0]	11.9	[7.1, 19.4]	69.1	[60.2, 76.8]	100.0
Pearson: Uncorrected chi2(6) =	25.3622						
Design-based F(5.89, 13804.13) =	2.5401	Pr =	0.019				
<b>FPL category</b>							
0-35% (n=1,000)	25.2	[22.0, 28.8]	13.6	[11.2, 16.4]	61.2	[57.4, 65.0]	100.0
36-99% (n=824)	28.0	[24.4, 31.9]	11.2	[8.9, 14.0]	60.8	[56.7, 64.8]	100.0
100%+ (n=563)	33.6	[29.2, 38.3]	9.2	[6.9, 12.1]	57.2	[52.4, 61.8]	100.0
Pearson: Uncorrected chi2(4) =	15.0256						
Design-based F(3.84, 9111.46) =	3.0006	Pr =	0.019				
<b>Region</b>							
UP/NW/NE (n=450)	30.3	[25.8, 35.2]	12.8	[9.6, 17.0]	56.9	[51.6, 61.9]	100.0
W/E Central/E (n=777)	30.6	[27.0, 34.4]	9.9	[7.8, 12.6]	59.5	[55.4, 63.4]	100.0
S Central/SW/SE (n=464)	25.4	[21.1, 30.2]	12.7	[9.7, 16.4]	61.9	[56.8, 66.8]	100.0
Detroit Metro (n=696)	25.5	[21.6, 29.8]	13.3	[10.6, 16.7]	61.2	[56.5, 65.6]	100.0
Pearson: Uncorrected chi2(6) =	10.4528						
Design-based F(5.28, 12550.41) =	1.4320	Pr =	0.206				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	27.1	[24.6, 29.7]	12.6	[10.8, 14.7]	60.3	[57.4, 63.1]	100.0
No (n=456)	28.8	[23.8, 34.3]	10.5	[7.6, 14.2]	60.7	[55.1, 66.1]	100.0
Pearson: Uncorrected chi2(2) =	1.9644						
Design-based F(1.99, 4727.65) =	0.5992	Pr =	0.549				
<b>Total (n=2,387)</b>	27.5	[25.2, 29.8]	12.2	[10.6, 13.9]	60.4	[57.8, 62.9]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.10 Q: Some kinds of visits, tests and medicines have no copays.

Follow-up group(s): Still enrolled

Universe: All respondents

	Some kinds of visits, tests, and medicines have no copays						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	72.4	[70.0, 74.6]	5.8	[4.7, 7.2]	21.8	[19.7, 24.0]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=663)	75.7	[71.3, 79.7]	5.2	[3.6, 7.4]	19.1	[15.4, 23.3]	100.0
35-50 (n=760)	71.5	[67.2, 75.4]	6.6	[4.6, 9.3]	22.0	[18.5, 25.9]	100.0
51-64 (n=964)	69.3	[65.6, 72.8]	5.8	[4.1, 8.0]	24.9	[21.7, 28.4]	100.0
Pearson: Uncorrected chi2(4) =	9.7347						
Design-based F(3.87, 9194.33) =	1.4990	Pr =	0.201				
<b>Gender</b>							
Male (n=932)	69.4	[65.5, 73.0]	6.8	[5.0, 9.3]	23.8	[20.5, 27.4]	100.0
Female (n=1,455)	74.9	[71.9, 77.7]	5.0	[3.9, 6.5]	20.1	[17.5, 23.0]	100.0
Pearson: Uncorrected chi2(2) =	9.4873						
Design-based F(2.00, 4741.62) =	2.8987	Pr =	0.055				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	75.0	[72.1, 77.6]	4.6	[3.5, 6.0]	20.4	[18.0, 23.1]	100.0
Black, non-Hispanic (n=479)	67.0	[61.4, 72.1]	7.5	[5.1, 11.1]	25.5	[20.8, 30.8]	100.0
Hispanic (n=100)	68.9	[57.8, 78.3]	11.4	[6.0, 20.7]	19.6	[12.5, 29.5]	100.0
Other, non-Hispanic (n=175)	72.9	[64.3, 80.0]	5.8	[2.8, 11.8]	21.3	[15.0, 29.3]	100.0
Pearson: Uncorrected chi2(6) =	22.3877						
Design-based F(5.90, 13833.48) =	2.2711	Pr =	0.035				
<b>FPL category</b>							
0-35% (n=1,000)	71.8	[68.1, 75.2]	5.9	[4.3, 8.1]	22.2	[19.1, 25.7]	100.0
36-99% (n=824)	70.8	[66.9, 74.3]	6.6	[4.8, 8.9]	22.7	[19.4, 26.2]	100.0
100%+ (n=563)	76.4	[72.2, 80.1]	4.4	[2.9, 6.7]	19.2	[15.8, 23.1]	100.0
Pearson: Uncorrected chi2(4) =	5.0696						
Design-based F(3.82, 9081.96) =	1.0110	Pr =	0.398				
<b>Region</b>							
UP/NW/NE (n=450)	76.4	[71.5, 80.8]	5.7	[3.5, 8.9]	17.9	[14.1, 22.5]	100.0
W/E Central/E (n=777)	73.6	[69.8, 77.0]	5.8	[4.0, 8.4]	20.6	[17.6, 24.0]	100.0
S Central/SW/SE (n=464)	74.4	[69.7, 78.7]	4.2	[2.6, 6.6]	21.4	[17.4, 25.9]	100.0
Detroit Metro (n=696)	69.9	[65.5, 74.0]	6.5	[4.7, 9.0]	23.6	[19.8, 27.8]	100.0
Pearson: Uncorrected chi2(6) =	8.1343						
Design-based F(5.37, 12761.32) =	1.1082	Pr =	0.354				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	72.9	[70.2, 75.5]	5.7	[4.5, 7.3]	21.3	[19.0, 23.9]	100.0
No (n=456)	70.4	[65.1, 75.1]	6.2	[4.2, 9.2]	23.4	[19.1, 28.4]	100.0
Pearson: Uncorrected chi2(2) =	1.3258						
Design-based F(1.99, 4731.36) =	0.4278	Pr =	0.651				
<b>Total (n=2,387)</b>	72.4	[70.0, 74.6]	5.8	[4.7, 7.2]	21.8	[19.7, 24.0]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.11 Q: In the past year, have you received a statement from the state that showed the services you received through the Healthy Michigan Plan and how much you owe, if anything?

Follow-up group(s): Still enrolled

Universe: All respondents

	Received MIHA Statement in the past year						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	78.4	[76.0, 80.6]	16.2	[14.2, 18.3]	5.4	[4.3, 6.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	73.2	[68.5, 77.4]	19.9	[16.3, 24.1]	6.9	[4.5, 10.4]	100.0
35-50 (n=760)	78.9	[74.8, 82.6]	16.9	[13.6, 20.9]	4.1	[2.7, 6.3]	100.0
51-64 (n=964)	84.1	[80.9, 86.9]	10.6	[8.3, 13.5]	5.2	[3.7, 7.3]	100.0
Pearson: Uncorrected chi2(4) =	32.5819						
Design-based F(3.80, 9026.19) =	4.5847	Pr =	0.001				
<b>Gender</b>							
Male (n=933)	75.0	[71.1, 78.5]	16.8	[13.9, 20.2]	8.2	[6.0, 11.2]	100.0
Female (n=1,455)	81.3	[78.3, 83.9]	15.6	[13.1, 18.5]	3.1	[2.2, 4.3]	100.0
Pearson: Uncorrected chi2(2) =	32.0924						
Design-based F(1.98, 4693.93) =	9.1448	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	81.4	[78.4, 84.0]	13.4	[11.0, 16.1]	5.3	[4.0, 7.0]	100.0
Black, non-Hispanic (n=479)	74.2	[68.9, 78.9]	18.5	[14.6, 23.1]	7.3	[4.5, 11.6]	100.0
Hispanic (n=100)	76.1	[63.8, 85.2]	21.1	[12.3, 33.7]	2.8	[1.2, 6.2]	100.0
Other, non-Hispanic (n=176)	70.4	[61.3, 78.1]	27.4	[19.9, 36.6]	2.2	[1.0, 4.6]	100.0
Pearson: Uncorrected chi2(6) =	40.8688						
Design-based F(5.05, 11843.02) =	4.2110	Pr =	0.001				
<b>FPL category</b>							
0-35% (n=1,001)	75.8	[72.1, 79.2]	17.6	[14.6, 21.0]	6.6	[4.7, 9.0]	100.0
36-99% (n=824)	79.6	[75.9, 82.9]	15.1	[12.2, 18.5]	5.3	[3.7, 7.6]	100.0
100%+ (n=563)	84.5	[80.6, 87.7]	13.4	[10.3, 17.1]	2.2	[1.3, 3.6]	100.0
Pearson: Uncorrected chi2(4) =	18.9208						
Design-based F(3.65, 8678.81) =	3.6631	Pr =	0.007				
<b>Region</b>							
UP/NW/NE (n=450)	84.8	[80.3, 88.5]	11.8	[8.6, 16.0]	3.4	[1.8, 6.3]	100.0
W/E Central/E (n=777)	81.6	[78.1, 84.7]	12.7	[10.1, 15.9]	5.6	[4.1, 7.7]	100.0
S Central/SW/SE (n=464)	80.2	[75.3, 84.4]	15.3	[11.7, 19.7]	4.5	[2.4, 8.1]	100.0
Detroit Metro (n=697)	74.1	[69.6, 78.1]	19.8	[16.2, 23.9]	6.1	[4.1, 9.1]	100.0
Pearson: Uncorrected chi2(6) =	24.5593						
Design-based F(5.30, 12592.89) =	2.8629	Pr =	0.012				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	79.9	[77.2, 82.3]	15.5	[13.3, 18.0]	4.6	[3.5, 6.1]	100.0
No (n=457)	73.0	[67.4, 77.9]	18.5	[14.5, 23.4]	8.5	[5.4, 13.1]	100.0
Pearson: Uncorrected chi2(2) =	15.9795						
Design-based F(1.97, 4689.06) =	3.9407	Pr =	0.020				
<b>Total (n=2,388)</b>	<b>78.4</b>	<b>[76.0, 80.6]</b>	<b>16.2</b>	<b>[14.2, 18.3]</b>	<b>5.4</b>	<b>[4.3, 6.9]</b>	<b>100.0</b>

**2.11.1 Q: I carefully review each MI Health Account Statement to see how much I owe.**

Follow-up group(s): Still enrolled

Universe: Respondents who received a MI Health Account Statement in the past year (n = 1,957)

	Strongly agree		Agree		Carefully review MIHA Statement				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	Disagree	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=1,954)	22.8	[20.6, 25.2]	62.0	[59.2, 64.7]	6.2	[4.9, 7.7]	7.7	[6.3, 9.5]	0.8	[0.4, 1.5]	0.6	[0.3, 1.0]	100.0
Pearson: Uncorrected chi2(0) =	.		.										
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=510)	21.1	[17.3, 25.5]	60.7	[55.3, 65.8]	6.6	[4.3, 9.9]	10.8	[7.9, 14.7]	0.6	[0.2, 2.2]	0.2	[0.0, 0.8]	100.0
35-50 (n=619)	23.6	[19.8, 28.0]	59.3	[54.3, 64.1]	7.0	[4.8, 10.0]	7.8	[5.4, 11.1]	1.3	[0.5, 3.4]	1.0	[0.4, 2.3]	100.0
51-64 (n=825)	23.7	[20.4, 27.3]	66.5	[62.5, 70.3]	4.7	[3.3, 6.8]	4.2	[2.8, 6.5]	0.4	[0.1, 1.1]	0.4	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(10) =	33.2313												
Design-based F(9.11, 17689.36) =	2.3522	Pr =	0.012										
<b>Gender</b>													
Male (n=734)	20.2	[16.9, 23.9]	62.7	[58.1, 67.0]	6.5	[4.6, 9.1]	8.7	[6.3, 12.0]	1.3	[0.5, 3.0]	0.6	[0.2, 1.6]	100.0
Female (n=1,220)	24.9	[22.0, 28.0]	61.5	[58.0, 64.9]	5.9	[4.4, 7.9]	6.9	[5.3, 8.9]	0.4	[0.1, 1.1]	0.5	[0.2, 1.1]	100.0
Pearson: Uncorrected chi2(5) =	12.7447												
Design-based F(4.86, 9434.91) =	1.6459	Pr =	0.146										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,353)	24.2	[21.5, 27.1]	61.6	[58.3, 64.8]	6.7	[5.1, 8.7]	6.4	[4.9, 8.3]	0.8	[0.3, 2.0]	0.4	[0.2, 0.9]	100.0
Black, non-Hispanic (n=370)	19.8	[15.3, 25.2]	62.6	[56.2, 68.6]	5.4	[3.1, 9.5]	10.4	[7.0, 15.3]	0.7	[0.2, 2.5]	1.0	[0.4, 2.8]	100.0
Hispanic (n=77)	24.5	[15.1, 37.4]	50.1	[36.9, 63.2]	9.3	[4.1, 19.8]	13.8	[6.5, 27.2]	2.3	[0.3, 14.4]	0.0		100.0
Other, non-Hispanic (n=128)	20.7	[13.8, 29.9]	69.7	[59.5, 78.2]	2.9	[1.2, 7.0]	5.9	[2.3, 14.2]	0.0		0.9	[0.2, 3.6]	100.0
Pearson: Uncorrected chi2(15) =	31.5459												
Design-based F(13.94, 26706.10) =	1.3058	Pr =	0.195										
<b>FPL category</b>													
0-35% (n=799)	23.1	[19.7, 26.8]	62.8	[58.5, 66.9]	5.9	[4.1, 8.5]	7.0	[5.0, 9.8]	0.6	[0.2, 1.7]	0.5	[0.2, 1.4]	100.0
36-99% (n=674)	24.3	[20.7, 28.2]	60.8	[56.4, 65.1]	5.8	[4.1, 8.1]	7.6	[5.6, 10.2]	0.8	[0.2, 3.2]	0.7	[0.3, 1.7]	100.0
100%+ (n=481)	19.9	[16.2, 24.1]	61.4	[56.0, 66.4]	7.3	[4.9, 10.8]	9.8	[6.5, 14.5]	1.1	[0.3, 3.9]	0.6	[0.2, 1.8]	100.0
Pearson: Uncorrected chi2(10) =	6.9822												
Design-based F(9.19, 17852.61) =	0.4954	Pr =	0.882										
<b>Region</b>													
UP/NW/NE (n=389)	23.0	[18.5, 28.1]	65.5	[59.9, 70.6]	5.1	[3.0, 8.6]	6.2	[4.0, 9.6]	0.0		0.2	[0.0, 1.6]	100.0
W/E Central/E (n=645)	24.1	[20.6, 28.1]	59.8	[55.3, 64.2]	6.6	[4.5, 9.7]	8.0	[5.6, 11.3]	0.7	[0.2, 2.4]	0.7	[0.3, 1.8]	100.0
S Central/SW/SE (n=384)	21.1	[17.0, 26.0]	62.6	[56.9, 67.8]	7.4	[5.0, 10.9]	7.6	[4.9, 11.5]	1.3	[0.4, 4.4]	0.0		100.0
Detroit Metro (n=536)	22.4	[18.5, 26.9]	62.6	[57.4, 67.5]	5.5	[3.6, 8.5]	7.9	[5.4, 11.3]	0.8	[0.3, 2.4]	0.7	[0.3, 1.8]	100.0
Pearson: Uncorrected chi2(15) =	10.3587												
Design-based F(12.99, 25231.37) =	0.5197	Pr =	0.914										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,600)	22.6	[20.2, 25.3]	62.6	[59.5, 65.6]	6.0	[4.7, 7.7]	7.3	[5.7, 9.4]	0.8	[0.3, 1.7]	0.6	[0.3, 1.2]	100.0
No (n=354)	23.4	[18.5, 29.1]	59.5	[53.1, 65.7]	6.9	[4.0, 11.5]	9.2	[6.2, 13.5]	0.7	[0.2, 3.1]	0.2	[0.0, 1.3]	100.0
Pearson: Uncorrected chi2(5) =	3.6584												
Design-based F(4.67, 9062.68) =	0.4763	Pr =	0.782										
<b>Total (n=1,954)</b>	22.8	[20.6, 25.2]	62.0	[59.2, 64.7]	6.2	[4.9, 7.7]	7.7	[6.3, 9.5]	0.8	[0.4, 1.5]	0.6	[0.3, 1.0]	100.0

**Note:** Total count is less than universe count due to item non-response.

**2.11.2 Q: The MI Health Account Statements help me be more aware of the cost of health care.**

Follow-up group(s): Still enrolled

Universe: Respondents who received a MI Health Account Statement in the past year (n = 1,957)

	MIHA Statements help me be aware of health care costs												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=1,954)	18.2	[16.1, 20.5]	64.4	[61.7, 67.2]	6.3	[5.1, 7.9]	7.3	[5.9, 9.0]	0.9	[0.4, 2.0]	2.8	[2.1, 3.7]	100.0
Pearson: Uncorrected chi2(0) =	.												
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=510)	18.1	[14.4, 22.4]	60.6	[55.2, 65.8]	8.9	[6.3, 12.3]	9.3	[6.3, 13.4]	0.9	[0.3, 2.6]	2.3	[1.2, 4.2]	100.0
35-50 (n=619)	19.5	[15.7, 23.9]	63.1	[58.2, 67.9]	6.2	[4.2, 9.1]	7.0	[5.0, 9.5]	1.5	[0.4, 4.8]	2.8	[1.7, 4.4]	100.0
51-64 (n=825)	16.9	[14.0, 20.3]	70.1	[66.2, 73.8]	3.8	[2.6, 5.5]	5.6	[3.9, 8.0]	0.3	[0.1, 0.8]	3.3	[2.1, 5.3]	100.0
Pearson: Uncorrected chi2(10) =	31.2470												
Design-based F(8.97, 17424.45) =	2.0423	Pr =	0.031										
<b>Gender</b>													
Male (n=734)	17.9	[14.7, 21.7]	64.0	[59.4, 68.3]	6.4	[4.6, 8.9]	7.0	[4.9, 10.0]	1.7	[0.6, 4.2]	3.0	[1.9, 4.7]	100.0
Female (n=1,220)	18.4	[15.8, 21.4]	64.8	[61.3, 68.2]	6.3	[4.7, 8.4]	7.5	[5.8, 9.7]	0.3	[0.1, 0.9]	2.6	[1.8, 3.8]	100.0
Pearson: Uncorrected chi2(5) =	10.1645												
Design-based F(4.92, 9549.19) =	1.2710	Pr =	0.274										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,353)	19.1	[16.5, 22.1]	64.2	[60.8, 67.4]	6.7	[5.2, 8.6]	6.6	[5.0, 8.6]	0.8	[0.3, 1.9]	2.6	[1.8, 3.6]	100.0
Black, non-Hispanic (n=370)	16.5	[12.4, 21.6]	69.1	[63.0, 74.6]	4.3	[2.5, 7.3]	6.0	[4.0, 9.0]	1.6	[0.4, 6.3]	2.5	[1.2, 5.4]	100.0
Hispanic (n=77)	17.3	[9.7, 28.9]	50.5	[37.3, 63.6]	12.9	[4.6, 31.3]	16.0	[7.9, 29.6]	0.0		3.3	[0.9, 11.4]	100.0
Other, non-Hispanic (n=128)	19.5	[12.8, 28.6]	56.8	[45.6, 67.2]	6.0	[2.7, 12.5]	12.4	[5.8, 24.5]	0.0		5.4	[2.3, 12.0]	100.0
Pearson: Uncorrected chi2(15) =	42.7578												
Design-based F(12.94, 24792.05) =	1.4698	Pr =	0.120										
<b>FPL category</b>													
0-35% (n=799)	19.3	[16.2, 22.9]	66.1	[61.8, 70.2]	5.3	[3.5, 7.9]	6.6	[4.7, 9.3]	0.7	[0.1, 3.1]	1.9	[1.2, 3.2]	100.0
36-99% (n=674)	18.3	[14.7, 22.6]	61.3	[56.6, 65.7]	9.1	[6.9, 11.8]	6.4	[4.6, 8.9]	1.3	[0.4, 3.5]	3.6	[2.2, 5.8]	100.0
100%+ (n=481)	14.9	[11.6, 18.9]	64.1	[58.9, 69.1]	5.5	[3.6, 8.3]	10.4	[7.2, 14.8]	1.0	[0.3, 3.9]	4.0	[2.3, 6.9]	100.0
Pearson: Uncorrected chi2(10) =	26.2582												
Design-based F(8.62, 16745.45) =	1.6180	Pr =	0.107										
<b>Region</b>													
UP/NW/NE (n=389)	16.7	[12.8, 21.4]	66.8	[61.2, 71.9]	6.0	[3.9, 9.2]	5.6	[3.6, 8.4]	1.5	[0.4, 5.0]	3.5	[1.8, 6.6]	100.0
W/E Central/E (n=645)	19.4	[16.0, 23.2]	63.5	[59.0, 67.8]	7.2	[5.2, 9.7]	6.6	[4.4, 9.6]	0.6	[0.1, 2.5]	2.8	[1.6, 4.7]	100.0
S Central/SW/SE (n=384)	15.6	[12.0, 20.2]	65.0	[59.5, 70.2]	7.2	[4.8, 10.7]	8.3	[5.5, 12.4]	0.0		3.8	[2.3, 6.2]	100.0
Detroit Metro (n=536)	18.7	[15.0, 23.2]	64.3	[59.1, 69.3]	5.4	[3.4, 8.6]	7.9	[5.5, 11.2]	1.4	[0.5, 4.1]	2.2	[1.2, 4.0]	100.0
Pearson: Uncorrected chi2(15) =	15.8026												
Design-based F(11.97, 23254.28) =	0.7268	Pr =	0.726										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,600)	18.2	[15.8, 20.8]	65.3	[62.3, 68.3]	6.1	[4.8, 7.8]	6.8	[5.4, 8.5]	0.9	[0.3, 2.3]	2.7	[1.9, 3.8]	100.0
No (n=354)	18.4	[13.9, 23.9]	60.9	[54.3, 67.2]	7.1	[4.2, 11.8]	9.4	[5.7, 15.2]	1.1	[0.3, 3.4]	3.1	[1.6, 5.9]	100.0
Pearson: Uncorrected chi2(5) =	4.7959												
Design-based F(4.87, 9453.84) =	0.5205	Pr =	0.756										
<b>Total (n=1,954)</b>	18.2	[16.1, 20.5]	64.4	[61.7, 67.2]	6.3	[5.1, 7.9]	7.3	[5.9, 9.0]	0.9	[0.4, 2.0]	2.8	[2.1, 3.7]	100.0

Note: Total count is less than universe count due to item non-response.

**2.11.3 Q: Information I saw in a MI Health Account Statement led me to change some of my decisions about health care.**

Follow-up group(s): Still enrolled

Universe: Respondents who received a MI Health Account Statement in the past year (n = 1,957)

	MIHA Statements led me to change health care decisions												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=1,952)	3.9	[2.9, 5.2]	27.1	[24.7, 29.7]	15.7	[13.9, 17.8]	45.7	[42.9, 48.6]	3.1	[2.3, 4.1]	4.5	[3.4, 5.9]	100.0
Pearson: Uncorrected chi2(0) =	.												
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=509)	4.5	[2.8, 7.2]	24.3	[19.9, 29.3]	21.1	[17.2, 25.7]	42.7	[37.4, 48.2]	4.0	[2.5, 6.5]	3.3	[2.0, 5.6]	100.0
35-50 (n=619)	3.8	[2.2, 6.5]	27.4	[23.4, 31.7]	13.9	[11.0, 17.4]	46.6	[41.6, 51.6]	3.1	[1.9, 5.0]	5.2	[3.2, 8.5]	100.0
51-64 (n=824)	3.4	[2.1, 5.3]	29.8	[25.9, 34.0]	12.0	[9.8, 14.7]	48.1	[44.0, 52.2]	2.0	[1.1, 3.4]	4.8	[3.3, 6.8]	100.0
Pearson: Uncorrected chi2(10) =	32.8718												
Design-based F(9.50, 18433.70) =	2.1302	Pr =	0.021										
<b>Gender</b>													
Male (n=733)	4.5	[2.9, 6.9]	28.7	[24.9, 32.8]	16.9	[13.7, 20.6]	42.1	[37.6, 46.8]	2.7	[1.6, 4.4]	5.1	[3.3, 7.9]	100.0
Female (n=1,219)	3.4	[2.3, 5.0]	25.9	[22.8, 29.2]	14.8	[12.7, 17.3]	48.6	[45.1, 52.2]	3.3	[2.3, 4.8]	3.9	[2.8, 5.4]	100.0
Pearson: Uncorrected chi2(5) =	10.7867												
Design-based F(4.97, 9642.02) =	1.3084	Pr =	0.257										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,352)	3.0	[2.1, 4.4]	24.5	[21.8, 27.4]	19.5	[16.9, 22.3]	46.3	[42.9, 49.7]	3.0	[2.1, 4.3]	3.7	[2.7, 5.1]	100.0
Black, non-Hispanic (n=370)	5.4	[3.1, 9.5]	32.9	[27.0, 39.3]	7.4	[4.9, 11.0]	46.5	[40.2, 53.0]	3.0	[1.5, 5.8]	4.7	[2.3, 9.5]	100.0
Hispanic (n=77)	3.8	[1.1, 12.6]	30.3	[20.5, 42.5]	12.0	[6.3, 21.7]	41.4	[28.6, 55.6]	6.1	[1.9, 17.6]	6.2	[2.4, 15.2]	100.0
Other, non-Hispanic (n=127)	6.6	[2.8, 14.8]	26.3	[18.1, 36.4]	16.7	[10.3, 26.1]	42.2	[31.9, 53.3]	1.5	[0.4, 6.0]	6.6	[3.3, 12.8]	100.0
Pearson: Uncorrected chi2(15) =	59.0036												
Design-based F(14.21, 27204.22) =	2.3648	Pr =	0.003										
<b>FPL category</b>													
0-35% (n=797)	4.2	[2.8, 6.4]	27.6	[24.0, 31.5]	12.8	[10.3, 15.9]	48.4	[44.0, 52.8]	2.1	[1.3, 3.6]	4.8	[3.2, 7.3]	100.0
36-99% (n=674)	3.9	[2.4, 6.2]	25.0	[21.1, 29.5]	18.5	[14.9, 22.6]	42.5	[38.3, 46.9]	5.2	[3.4, 7.9]	4.8	[3.3, 7.0]	100.0
100%+ (n=481)	2.9	[1.5, 5.5]	28.6	[24.1, 33.6]	20.0	[16.2, 24.4]	42.8	[37.8, 48.0]	2.7	[1.5, 5.0]	2.9	[1.7, 4.9]	100.0
Pearson: Uncorrected chi2(10) =	31.7810												
Design-based F(9.65, 18725.45) =	2.4054	Pr =	0.008										
<b>Region</b>													
UP/NW/NE (n=389)	4.1	[2.1, 7.6]	25.2	[20.8, 30.3]	18.0	[14.1, 22.6]	46.6	[41.1, 52.3]	3.2	[1.8, 5.7]	2.8	[1.5, 5.1]	100.0
W/E Central/E (n=644)	3.0	[1.9, 4.9]	26.8	[23.0, 30.9]	19.7	[16.3, 23.6]	43.5	[39.2, 48.0]	3.0	[1.8, 5.0]	4.0	[2.5, 6.2]	100.0
S Central/SW/SE (n=384)	3.0	[1.6, 5.3]	29.5	[24.5, 35.1]	16.6	[12.9, 21.2]	43.8	[38.3, 49.5]	2.4	[1.3, 4.6]	4.6	[2.9, 7.4]	100.0
Detroit Metro (n=535)	4.9	[3.0, 7.8]	26.8	[22.4, 31.6]	11.9	[8.9, 15.6]	48.0	[42.7, 53.3]	3.4	[2.0, 5.5]	5.2	[3.2, 8.2]	100.0
Pearson: Uncorrected chi2(15) =	24.6319												
Design-based F(13.10, 25422.52) =	1.3707	Pr =	0.164										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,599)	3.7	[2.7, 5.1]	27.9	[25.2, 30.8]	14.8	[12.8, 17.1]	46.0	[42.8, 49.2]	2.9	[2.1, 4.0]	4.7	[3.5, 6.4]	100.0
No (n=353)	4.6	[2.3, 9.1]	23.8	[19.0, 29.3]	19.4	[14.9, 24.9]	44.8	[38.5, 51.3]	3.8	[1.9, 7.4]	3.5	[1.9, 6.4]	100.0
Pearson: Uncorrected chi2(5) =	9.0564												
Design-based F(4.89, 9479.15) =	1.0731	Pr =	0.373										
<b>Total (n=1,952)</b>	3.9	[2.9, 5.2]	27.1	[24.7, 29.7]	15.7	[13.9, 17.8]	45.7	[42.9, 48.6]	3.1	[2.3, 4.1]	4.5	[3.4, 5.9]	100.0

Note: Total count is less than universe count due to item non-response.

A70

## 2.12 Q: The amount I have to pay overall for the Healthy Michigan Plan seems fair.

Follow-up group(s): Still enrolled

Universe: All respondents

	Amount I have to pay for HMP seems fair												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,386)	24.5	[22.4, 26.8]	59.6	[57.0, 62.1]	6.2	[5.0, 7.7]	5.7	[4.6, 7.1]	1.4	[0.9, 2.1]	2.5	[1.8, 3.5]	100.0
Pearson: Uncorrected chi2(0) =	.		Pr =										
Design-based F(., .) =	.		.										
<b>Age</b>													
19-34 (n=664)	24.7	[20.7, 29.1]	59.5	[54.6, 64.1]	8.5	[6.1, 11.8]	4.9	[3.1, 7.6]	0.4	[0.1, 1.3]	2.1	[1.0, 4.2]	100.0
35-50 (n=758)	25.7	[22.0, 29.8]	56.5	[52.0, 61.0]	5.9	[4.1, 8.4]	7.0	[5.0, 9.8]	2.2	[1.2, 4.1]	2.6	[1.6, 4.3]	100.0
51-64 (n=964)	23.0	[20.0, 26.2]	63.4	[59.6, 67.1]	3.8	[2.5, 5.7]	5.1	[3.6, 7.3]	1.7	[1.0, 3.1]	3.0	[1.8, 4.9]	100.0
Pearson: Uncorrected chi2(10) =	34.1249		Pr =		0.024								
Design-based F(9.59, 22755.73) =	2.0887		.										
<b>Gender</b>													
Male (n=931)	24.3	[21.0, 28.0]	58.9	[54.7, 62.9]	7.5	[5.4, 10.3]	5.3	[3.6, 7.9]	1.3	[0.7, 2.6]	2.6	[1.5, 4.4]	100.0
Female (n=1,455)	24.7	[21.9, 27.7]	60.2	[56.9, 63.4]	5.2	[4.0, 6.7]	6.0	[4.7, 7.7]	1.5	[0.9, 2.5]	2.5	[1.6, 3.7]	100.0
Pearson: Uncorrected chi2(5) =	6.1408		Pr =		0.625								
Design-based F(4.97, 11802.13) =	0.6970		.										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,601)	28.3	[25.5, 31.3]	61.5	[58.3, 64.6]	4.5	[3.4, 6.1]	3.0	[2.2, 4.1]	1.2	[0.7, 2.2]	1.4	[0.9, 2.4]	100.0
Black, non-Hispanic (n=479)	20.5	[16.4, 25.2]	55.9	[50.3, 61.3]	6.8	[4.5, 10.4]	11.1	[8.0, 15.1]	1.8	[0.9, 3.6]	3.9	[2.3, 6.6]	100.0
Hispanic (n=100)	16.7	[10.1, 26.3]	56.8	[44.5, 68.2]	14.5	[6.8, 28.5]	5.0	[2.1, 11.7]	0.5	[0.1, 3.4]	6.5	[2.3, 17.5]	100.0
Other, non-Hispanic (n=176)	16.9	[11.4, 24.3]	58.9	[49.4, 67.7]	11.7	[7.0, 18.9]	7.8	[3.3, 17.2]	2.0	[0.5, 7.5]	2.8	[0.8, 8.9]	100.0
Pearson: Uncorrected chi2(15) =	124.4630		Pr =		0.000								
Design-based F(13.65, 31984.60) =	4.6885		.										
<b>FPL category</b>													
0-35% (n=1,001)	24.6	[21.4, 28.2]	59.6	[55.6, 63.4]	6.6	[4.8, 9.0]	5.1	[3.6, 7.2]	1.3	[0.7, 2.5]	2.8	[1.8, 4.3]	100.0
36-99% (n=822)	26.1	[22.6, 30.0]	60.2	[56.0, 64.2]	5.0	[3.4, 7.2]	5.8	[4.0, 8.4]	1.3	[0.6, 3.0]	1.6	[0.8, 3.1]	100.0
100%+ (n=563)	21.8	[18.2, 26.0]	58.8	[54.0, 63.5]	7.1	[4.9, 10.1]	7.5	[5.1, 10.7]	1.7	[0.8, 3.5]	3.1	[1.6, 6.0]	100.0
Pearson: Uncorrected chi2(10) =	11.0218		Pr =		0.651								
Design-based F(9.67, 22959.75) =	0.7725		.										
<b>Region</b>													
UP/NW/NE (n=450)	31.0	[26.2, 36.1]	60.2	[54.8, 65.3]	5.8	[3.4, 9.5]	1.8	[0.9, 3.8]	0.9	[0.3, 2.8]	0.3	[0.0, 2.1]	100.0
W/E Central/E (n=777)	23.5	[20.2, 27.2]	63.3	[59.2, 67.1]	6.0	[4.3, 8.3]	4.6	[3.2, 6.6]	1.3	[0.6, 2.7]	1.3	[0.7, 2.4]	100.0
S Central/SW/SE (n=462)	20.6	[16.9, 24.9]	64.3	[59.1, 69.1]	5.0	[3.1, 7.9]	5.7	[3.6, 8.9]	1.6	[0.7, 3.5]	2.8	[1.3, 6.1]	100.0
Detroit Metro (n=697)	25.4	[21.6, 29.7]	55.1	[50.4, 59.8]	7.0	[4.9, 9.9]	7.2	[5.2, 10.0]	1.5	[0.7, 3.0]	3.7	[2.4, 5.7]	100.0
Pearson: Uncorrected chi2(15) =	42.0455		Pr =		0.005								
Design-based F(13.19, 31311.25) =	2.2747		.										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,931)	24.9	[22.5, 27.5]	60.1	[57.2, 62.9]	5.7	[4.4, 7.3]	5.3	[4.1, 6.8]	1.6	[1.0, 2.5]	2.5	[1.7, 3.6]	100.0
No (n=455)	23.3	[18.7, 28.6]	57.8	[52.0, 63.4]	8.2	[5.5, 12.1]	7.2	[4.5, 11.4]	0.8	[0.3, 2.3]	2.7	[1.4, 5.2]	100.0
Pearson: Uncorrected chi2(5) =	9.5150		Pr =		0.363								
Design-based F(4.88, 11586.88) =	1.0904		.										
<b>Total (n=2,386)</b>	24.5	[22.4, 26.8]	59.6	[57.0, 62.1]	6.2	[5.0, 7.7]	5.7	[4.6, 7.1]	1.4	[0.9, 2.1]	2.5	[1.8, 3.5]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.13 Q: The amount I pay for the Healthy Michigan Plan is affordable.

Follow-up group(s): Still enrolled

Universe: All respondents

	Amount I pay for HMP is affordable												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,385)	24.7	[22.5, 27.0]	62.0	[59.4, 64.5]	4.6	[3.6, 5.9]	5.1	[4.1, 6.5]	1.0	[0.6, 1.6]	2.5	[1.8, 3.5]	100.0
Pearson: Uncorrected chi2(0) =	.												
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=664)	24.8	[20.7, 29.3]	62.3	[57.5, 66.9]	6.1	[4.2, 8.7]	4.3	[2.6, 7.0]	0.4	[0.1, 1.3]	2.1	[1.1, 4.3]	100.0
35-50 (n=758)	25.9	[22.1, 30.1]	58.2	[53.6, 62.6]	4.0	[2.6, 6.2]	6.7	[4.7, 9.5]	1.7	[0.8, 3.4]	3.5	[2.2, 5.5]	100.0
51-64 (n=963)	23.1	[20.1, 26.5]	66.3	[62.6, 69.8]	3.5	[2.1, 5.8]	4.3	[3.1, 5.9]	0.9	[0.5, 1.8]	1.8	[1.1, 3.0]	100.0
Pearson: Uncorrected chi2(10) =	29.7571												
Design-based F(9.26, 21967.08) =	1.8917	Pr =	0.046										
<b>Gender</b>													
Male (n=931)	25.1	[21.7, 28.8]	62.0	[57.9, 66.0]	5.3	[3.6, 7.7]	4.6	[3.0, 7.1]	0.7	[0.3, 1.9]	2.2	[1.3, 3.9]	100.0
Female (n=1,454)	24.4	[21.6, 27.4]	62.0	[58.7, 65.2]	4.0	[2.9, 5.4]	5.6	[4.4, 7.2]	1.2	[0.7, 2.2]	2.8	[1.9, 4.1]	100.0
Pearson: Uncorrected chi2(5) =	5.7696												
Design-based F(4.97, 11802.43) =	0.6408	Pr =	0.668										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,600)	29.4	[26.4, 32.5]	61.1	[57.9, 64.2]	3.3	[2.4, 4.5]	3.8	[2.8, 5.1]	0.8	[0.4, 1.7]	1.7	[1.0, 2.7]	100.0
Black, non-Hispanic (n=479)	16.2	[12.6, 20.5]	65.5	[60.0, 70.6]	6.2	[3.8, 10.0]	6.8	[4.5, 10.2]	1.3	[0.7, 2.7]	4.0	[2.3, 6.8]	100.0
Hispanic (n=100)	21.0	[12.4, 33.3]	59.2	[47.0, 70.4]	5.8	[2.5, 12.9]	7.0	[3.1, 15.4]	0.0		7.0	[2.6, 17.3]	100.0
Other, non-Hispanic (n=176)	21.8	[15.3, 30.2]	58.4	[49.0, 67.3]	8.0	[4.2, 14.6]	8.5	[3.9, 17.6]	1.9	[0.5, 7.5]	1.4	[0.5, 3.7]	100.0
Pearson: Uncorrected chi2(15) =	85.4812												
Design-based F(14.04, 32892.23) =	3.3257	Pr =	0.000										
<b>FPL category</b>													
0-35% (n=1,000)	26.1	[22.7, 29.7]	62.1	[58.2, 65.9]	4.2	[2.9, 6.2]	4.3	[2.8, 6.4]	0.5	[0.2, 1.6]	2.8	[1.8, 4.3]	100.0
36-99% (n=822)	25.6	[22.1, 29.5]	60.4	[56.2, 64.4]	4.9	[3.1, 7.5]	5.9	[4.2, 8.2]	1.6	[0.8, 3.3]	1.7	[1.0, 2.9]	100.0
100%+ (n=563)	19.1	[15.6, 23.2]	64.1	[59.3, 68.7]	5.4	[3.6, 7.8]	6.8	[4.6, 9.8]	1.6	[0.8, 3.5]	3.0	[1.5, 5.9]	100.0
Pearson: Uncorrected chi2(10) =	22.9549												
Design-based F(9.40, 22310.47) =	1.5888	Pr =	0.108										
<b>Region</b>													
UP/NW/NE (n=450)	29.1	[24.5, 34.2]	62.2	[56.9, 67.2]	4.5	[2.8, 7.1]	2.9	[1.5, 5.3]	0.3	[0.1, 1.4]	1.0	[0.4, 2.5]	100.0
W/E Central/E (n=776)	25.1	[21.7, 28.9]	62.4	[58.3, 66.4]	4.1	[2.8, 6.0]	5.6	[3.9, 7.9]	0.8	[0.3, 1.9]	1.9	[1.1, 3.5]	100.0
S Central/SW/SE (n=462)	21.5	[17.6, 26.0]	64.3	[59.1, 69.3]	5.8	[3.6, 9.3]	4.3	[2.6, 7.0]	0.9	[0.3, 2.8]	3.1	[1.6, 6.2]	100.0
Detroit Metro (n=697)	24.7	[20.8, 29.0]	60.8	[56.1, 65.3]	4.5	[2.8, 7.0]	5.7	[3.8, 8.3]	1.3	[0.6, 2.6]	3.0	[1.9, 4.9]	100.0
Pearson: Uncorrected chi2(15) =	16.1173												
Design-based F(12.76, 30274.75) =	0.8802	Pr =	0.572										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,930)	25.3	[22.8, 28.0]	61.8	[58.9, 64.7]	4.4	[3.3, 5.8]	5.0	[3.8, 6.4]	1.1	[0.6, 1.9]	2.4	[1.7, 3.5]	100.0
No (n=455)	22.5	[18.1, 27.7]	62.7	[57.0, 68.1]	5.4	[3.4, 8.6]	5.8	[3.4, 9.7]	0.7	[0.2, 2.2]	2.9	[1.5, 5.4]	100.0
Pearson: Uncorrected chi2(5) =	3.6555												
Design-based F(4.86, 11544.12) =	0.4291	Pr =	0.824										
<b>Total (n=2,385)</b>	24.7	[22.5, 27.0]	62.0	[59.4, 64.5]	4.6	[3.6, 5.9]	5.1	[4.1, 6.5]	1.0	[0.6, 1.6]	2.5	[1.8, 3.5]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.14 Q: There is a limit on the total amount I have to pay each year for Healthy Michigan Plan insurance.

Follow-up group(s): Still enrolled

Universe: All respondents

	Limit on total amount I have to pay						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,348)	31.3	[29.0, 33.6]	16.5	[14.6, 18.7]	52.2	[49.6, 54.8]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=656)	30.4	[26.2, 34.9]	17.5	[14.0, 21.6]	52.1	[47.3, 56.9]	100.0
35-50 (n=745)	31.9	[28.0, 36.1]	17.3	[14.0, 21.2]	50.8	[46.3, 55.4]	100.0
51-64 (n=947)	31.6	[28.2, 35.1]	14.5	[11.8, 17.6]	54.0	[50.1, 57.8]	100.0
Pearson: Uncorrected chi2(4) =	3.4861						
Design-based F(3.83, 8940.73) =	0.5348	Pr =	0.702				
<b>Gender</b>							
Male (n=918)	33.6	[29.8, 37.6]	15.6	[12.8, 18.8]	50.8	[46.7, 54.9]	100.0
Female (n=1,430)	29.2	[26.5, 32.1]	17.3	[14.7, 20.3]	53.4	[50.1, 56.7]	100.0
Pearson: Uncorrected chi2(2) =	5.3879						
Design-based F(1.99, 4639.92) =	1.5590	Pr =	0.211				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,578)	31.5	[28.8, 34.5]	15.0	[12.6, 17.7]	53.4	[50.2, 56.6]	100.0
Black, non-Hispanic (n=472)	30.2	[25.4, 35.5]	20.1	[16.0, 24.8]	49.7	[44.1, 55.4]	100.0
Hispanic (n=98)	22.1	[14.7, 31.9]	16.3	[9.3, 27.0]	61.5	[49.8, 72.1]	100.0
Other, non-Hispanic (n=170)	38.4	[30.0, 47.6]	17.9	[11.9, 26.1]	43.7	[35.2, 52.7]	100.0
Pearson: Uncorrected chi2(6) =	18.6859						
Design-based F(5.89, 13574.04) =	1.8636	Pr =	0.084				
<b>FPL category</b>							
0-35% (n=987)	25.7	[22.4, 29.2]	20.1	[17.0, 23.6]	54.2	[50.3, 58.2]	100.0
36-99% (n=810)	36.8	[32.9, 40.9]	13.6	[11.0, 16.6]	49.6	[45.4, 53.8]	100.0
100%+ (n=551)	40.4	[35.8, 45.3]	9.8	[7.4, 12.9]	49.7	[44.9, 54.6]	100.0
Pearson: Uncorrected chi2(4) =	57.7369						
Design-based F(3.84, 8980.85) =	11.3758	Pr =	0.000				
<b>Region</b>							
UP/NW/NE (n=443)	35.5	[30.6, 40.7]	15.1	[11.6, 19.5]	49.4	[44.1, 54.6]	100.0
W/E Central/E (n=766)	32.0	[28.4, 35.8]	15.7	[12.7, 19.2]	52.3	[48.2, 56.4]	100.0
S Central/SW/SE (n=461)	33.7	[29.0, 38.8]	14.3	[10.9, 18.4]	52.0	[46.8, 57.2]	100.0
Detroit Metro (n=678)	28.9	[24.9, 33.2]	18.3	[14.9, 22.4]	52.8	[48.1, 57.5]	100.0
Pearson: Uncorrected chi2(6) =	8.2379						
Design-based F(5.27, 12301.96) =	1.0835	Pr =	0.368				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,898)	30.9	[28.3, 33.6]	16.3	[14.2, 18.7]	52.8	[49.8, 55.7]	100.0
No (n=450)	32.6	[27.5, 38.0]	17.3	[13.1, 22.4]	50.1	[44.5, 55.8]	100.0
Pearson: Uncorrected chi2(2) =	1.0977						
Design-based F(1.98, 4636.71) =	0.3097	Pr =	0.732				
<b>Total (n=2,348)</b>	31.3	[29.0, 33.6]	16.5	[14.6, 18.7]	52.2	[49.6, 54.8]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.15 Q: Having the Healthy Michigan Plan has taken a lot of stress off me.

Follow-up group(s): Still enrolled

Universe: All respondents

	HMP has taken a lot of stress off me												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,387)	37.2	[34.8, 39.7]	54.2	[51.6, 56.8]	4.7	[3.7, 6.0]	2.8	[2.0, 3.8]	0.8	[0.4, 1.6]	0.2	[0.1, 0.5]	100.0
Pearson: Uncorrected chi2(0) =	.												
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=664)	33.7	[29.4, 38.4]	54.0	[49.2, 58.8]	7.9	[5.6, 11.0]	4.0	[2.4, 6.6]	0.3	[0.1, 1.4]	0.0		100.0
35-50 (n=759)	40.1	[35.8, 44.7]	51.6	[47.1, 56.2]	3.8	[2.4, 6.0]	2.6	[1.6, 4.2]	1.5	[0.6, 3.5]	0.3	[0.1, 1.0]	100.0
51-64 (n=964)	38.0	[34.4, 41.7]	57.6	[53.8, 61.3]	1.9	[1.2, 2.9]	1.5	[0.8, 2.6]	0.6	[0.2, 2.0]	0.4	[0.2, 1.2]	100.0
Pearson: Uncorrected chi2(10) =	59.9771												
Design-based F(9.06, 21521.50) =	4.2596	Pr =	0.000										
<b>Gender</b>													
Male (n=932)	35.4	[31.6, 39.4]	53.8	[49.7, 57.9]	6.4	[4.5, 9.0]	3.1	[1.8, 5.2]	1.1	[0.5, 2.6]	0.1	[0.0, 0.6]	100.0
Female (n=1,455)	38.7	[35.6, 42.0]	54.6	[51.3, 57.8]	3.3	[2.4, 4.5]	2.5	[1.8, 3.5]	0.5	[0.2, 1.5]	0.4	[0.2, 0.9]	100.0
Pearson: Uncorrected chi2(5) =	19.1514												
Design-based F(4.77, 11326.56) =	2.3699	Pr =	0.040										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,602)	41.2	[38.1, 44.3]	51.9	[48.7, 55.1]	3.8	[2.8, 5.0]	2.0	[1.3, 3.0]	1.0	[0.4, 2.2]	0.2	[0.1, 0.7]	100.0
Black, non-Hispanic (n=479)	31.8	[26.9, 37.1]	60.3	[54.8, 65.7]	5.2	[3.0, 8.9]	1.9	[0.9, 4.0]	0.5	[0.1, 2.1]	0.3	[0.1, 1.0]	100.0
Hispanic (n=100)	28.9	[19.0, 41.3]	56.8	[44.5, 68.4]	3.1	[1.1, 8.4]	8.2	[2.6, 23.1]	2.4	[0.5, 10.2]	0.6	[0.1, 4.4]	100.0
Other, non-Hispanic (n=176)	33.1	[25.3, 41.9]	48.7	[39.6, 58.0]	10.5	[5.4, 19.5]	7.4	[3.8, 13.9]	0.0		0.3	[0.0, 2.1]	100.0
Pearson: Uncorrected chi2(15) =	79.9514												
Design-based F(13.04, 30567.51) =	3.1863	Pr =	0.000										
<b>FPL category</b>													
0-35% (n=1,001)	38.9	[35.2, 42.8]	54.0	[50.1, 57.9]	4.3	[2.8, 6.5]	1.5	[0.8, 3.1]	1.0	[0.5, 2.3]	0.2	[0.0, 0.7]	100.0
36-99% (n=823)	36.3	[32.5, 40.4]	54.0	[49.8, 58.1]	5.0	[3.4, 7.2]	3.6	[2.2, 6.0]	0.6	[0.1, 2.7]	0.5	[0.2, 1.3]	100.0
100%+ (n=563)	33.2	[28.9, 37.9]	55.1	[50.3, 59.9]	5.6	[3.8, 8.2]	5.4	[3.4, 8.3]	0.5	[0.1, 1.8]	0.2	[0.0, 1.2]	100.0
Pearson: Uncorrected chi2(10) =	26.6930												
Design-based F(8.81, 20935.02) =	1.8735	Pr =	0.052										
<b>Region</b>													
UP/NW/NE (n=450)	40.0	[35.0, 45.2]	53.6	[48.3, 58.8]	4.1	[2.5, 6.8]	1.9	[1.0, 3.7]	0.1	[0.0, 0.8]	0.3	[0.0, 2.0]	100.0
W/E Central/E (n=777)	38.4	[34.5, 42.4]	54.2	[50.1, 58.2]	4.6	[3.2, 6.7]	2.3	[1.3, 4.0]	0.3	[0.0, 2.3]	0.2	[0.0, 0.7]	100.0
S Central/SW/SE (n=463)	35.2	[30.4, 40.3]	55.6	[50.4, 60.7]	4.0	[2.5, 6.5]	3.1	[1.7, 5.6]	1.7	[0.6, 4.5]	0.3	[0.0, 2.3]	100.0
Detroit Metro (n=697)	36.6	[32.2, 41.2]	53.9	[49.2, 58.5]	5.2	[3.3, 7.9]	3.1	[1.9, 5.3]	0.9	[0.4, 2.5]	0.2	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(15) =	12.1022												
Design-based F(11.98, 28449.86) =	0.6621	Pr =	0.789										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,931)	38.1	[35.4, 41.0]	54.7	[51.8, 57.6]	3.6	[2.7, 4.9]	2.2	[1.4, 3.2]	1.0	[0.5, 2.0]	0.3	[0.1, 0.7]	100.0
No (n=456)	33.9	[28.8, 39.3]	52.4	[46.7, 58.1]	8.7	[5.8, 12.9]	5.0	[2.9, 8.3]	0.0		0.0		100.0
Pearson: Uncorrected chi2(5) =	43.0127												
Design-based F(4.71, 11190.86) =	5.0812	Pr =	0.000										
<b>Total (n=2,387)</b>	37.2	[34.8, 39.7]	54.2	[51.6, 56.8]	4.7	[3.7, 6.0]	2.8	[2.0, 3.8]	0.8	[0.4, 1.6]	0.2	[0.1, 0.5]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.16 Q: Without the Healthy Michigan Plan, I wouldn't be able to go to the doctor.

Follow-up group(s): Still enrolled

Universe: All respondents

	Strongly agree		Agree		Wouldn't be able to go to doctor without HMP Neutral		Disagree		Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,388)	37.1	[34.6, 39.6]	51.4	[48.7, 54.0]	3.9	[3.0, 5.2]	6.3	[5.1, 7.8]	0.6	[0.3, 1.1]	0.8	[0.4, 1.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		.		.
Design-based F(, .) =	.	Pr =	.		.		.		.		.		.
<b>Age</b>													
19-34 (n=664)	33.0	[28.6, 37.6]	51.3	[46.5, 56.1]	6.5	[4.4, 9.3]	7.2	[5.2, 9.9]	0.7	[0.3, 2.1]	1.3	[0.5, 3.7]	100.0
35-50 (n=760)	41.6	[37.2, 46.1]	48.5	[44.0, 53.1]	2.3	[1.2, 4.3]	6.7	[4.4, 10.1]	0.7	[0.2, 2.2]	0.2	[0.0, 0.7]	100.0
51-64 (n=964)	36.7	[33.1, 40.4]	54.8	[51.0, 58.6]	2.7	[1.7, 4.3]	4.7	[3.4, 6.4]	0.2	[0.0, 0.7]	0.9	[0.5, 1.6]	100.0
Pearson: Uncorrected chi2(10) =	47.6248												
Design-based F(8.92, 21195.53) =	3.1628	Pr =	0.001										
<b>Gender</b>													
Male (n=933)	32.0	[28.3, 35.9]	52.3	[48.2, 56.4]	5.9	[4.1, 8.3]	8.3	[6.3, 11.0]	0.8	[0.3, 2.1]	0.7	[0.3, 1.6]	100.0
Female (n=1,455)	41.4	[38.2, 44.7]	50.5	[47.2, 53.8]	2.3	[1.6, 3.3]	4.6	[3.3, 6.4]	0.3	[0.1, 0.9]	0.9	[0.4, 2.3]	100.0
Pearson: Uncorrected chi2(5) =	50.7909												
Design-based F(4.94, 11743.47) =	6.0337	Pr =	0.000										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,603)	38.7	[35.6, 41.8]	49.7	[46.5, 52.9]	4.7	[3.4, 6.3]	5.8	[4.4, 7.7]	0.4	[0.1, 1.2]	0.7	[0.3, 2.0]	100.0
Black, non-Hispanic (n=479)	35.7	[30.6, 41.2]	54.2	[48.6, 59.8]	2.4	[1.0, 5.5]	6.4	[4.0, 9.9]	0.5	[0.2, 1.8]	0.8	[0.3, 2.1]	100.0
Hispanic (n=100)	33.3	[23.1, 45.4]	48.9	[37.3, 60.7]	0.5	[0.1, 3.4]	13.0	[5.7, 27.0]	1.7	[0.2, 11.2]	2.5	[0.5, 11.4]	100.0
Other, non-Hispanic (n=176)	33.8	[26.0, 42.6]	53.8	[44.6, 62.7]	5.4	[2.3, 12.0]	5.5	[3.0, 9.9]	1.1	[0.2, 7.5]	0.4	[0.1, 1.7]	100.0
Pearson: Uncorrected chi2(15) =	32.7660												
Design-based F(13.32, 31243.81) =	1.2533	Pr =	0.232										
<b>FPL category</b>													
0-35% (n=1,001)	37.5	[33.8, 41.3]	51.6	[47.6, 55.5]	4.0	[2.6, 6.1]	6.0	[4.2, 8.5]	0.3	[0.1, 1.0]	0.7	[0.2, 2.1]	100.0
36-99% (n=824)	39.0	[35.0, 43.1]	50.5	[46.3, 54.6]	3.1	[2.0, 4.8]	5.7	[4.1, 7.8]	0.8	[0.2, 2.6]	0.9	[0.4, 2.2]	100.0
100%+ (n=563)	32.8	[28.5, 37.5]	52.0	[47.2, 56.8]	4.8	[3.2, 7.2]	8.2	[5.9, 11.1]	1.1	[0.3, 3.7]	1.1	[0.4, 2.9]	100.0
Pearson: Uncorrected chi2(10) =	13.6364												
Design-based F(9.31, 22129.59) =	0.9024	Pr =	0.525										
<b>Region</b>													
UP/NW/NE (n=450)	39.2	[34.2, 44.5]	51.2	[45.9, 56.4]	2.6	[1.4, 4.8]	6.1	[3.8, 9.4]	0.0		0.9	[0.4, 2.3]	100.0
W/E Central/E (n=777)	38.7	[34.7, 42.7]	50.8	[46.8, 54.9]	4.4	[2.9, 6.8]	5.0	[3.6, 7.1]	0.2	[0.0, 1.4]	0.8	[0.2, 4.1]	100.0
S Central/SW/SE (n=464)	35.2	[30.5, 40.2]	51.4	[46.2, 56.6]	3.3	[1.9, 5.8]	7.8	[5.4, 11.1]	1.3	[0.4, 3.7]	1.0	[0.3, 3.3]	100.0
Detroit Metro (n=697)	36.2	[31.9, 40.8]	51.7	[47.0, 56.4]	4.1	[2.6, 6.5]	6.6	[4.5, 9.7]	0.6	[0.2, 1.9]	0.7	[0.3, 1.6]	100.0
Pearson: Uncorrected chi2(15) =	13.9358												
Design-based F(12.35, 29335.72) =	0.6315	Pr =	0.822										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,931)	38.5	[35.7, 41.3]	51.2	[48.3, 54.1]	3.3	[2.4, 4.7]	5.9	[4.6, 7.7]	0.4	[0.2, 1.1]	0.6	[0.3, 1.1]	100.0
No (n=457)	31.9	[26.9, 37.4]	51.9	[46.2, 57.6]	6.0	[3.7, 9.6]	7.7	[5.3, 11.0]	1.1	[0.3, 3.3]	1.4	[0.4, 5.6]	100.0
Pearson: Uncorrected chi2(5) =	20.3955												
Design-based F(4.81, 11420.92) =	2.0663	Pr =	0.069										
<b>Total (n=2,388)</b>	37.1	[34.6, 39.6]	51.4	[48.7, 54.0]	3.9	[3.0, 5.2]	6.3	[5.1, 7.8]	0.6	[0.3, 1.1]	0.8	[0.4, 1.5]	100.0

## 2.17 Q: Without the Healthy Michigan Plan, I wouldn't be able to go to the dentist.

Follow-up group(s): Still enrolled

Universe: All respondents

	Strongly agree		Agree		Wouldn't be able to go to dentist without HMP				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	95%CI	Disagree	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,388)	33.7	[31.3, 36.2]	49.9	[47.3, 52.5]	5.0	[3.9, 6.3]	7.7	[6.3, 9.3]	0.6	[0.4, 1.1]	3.0	[2.2, 4.3]	100.0
Pearson: Uncorrected chi2(0) =	.		.										
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=664)	32.2	[27.8, 36.8]	47.8	[43.0, 52.6]	6.6	[4.6, 9.5]	9.6	[7.4, 12.5]	0.5	[0.2, 1.6]	3.3	[1.8, 5.8]	100.0
35-50 (n=760)	37.1	[32.8, 41.5]	47.3	[42.8, 51.8]	4.3	[2.6, 6.8]	8.0	[5.5, 11.5]	0.7	[0.3, 1.8]	2.7	[1.3, 5.5]	100.0
51-64 (n=964)	31.6	[28.2, 35.2]	55.8	[52.0, 59.6]	3.8	[2.6, 5.4]	4.9	[3.5, 6.8]	0.7	[0.3, 1.8]	3.2	[2.2, 4.6]	100.0
Pearson: Uncorrected chi2(10) =	30.8576												
Design-based F(9.05, 21499.93) =	1.8235	Pr =	0.058										
<b>Gender</b>													
Male (n=933)	30.2	[26.5, 34.1]	49.8	[45.7, 54.0]	6.6	[4.7, 9.1]	9.5	[7.3, 12.2]	0.3	[0.1, 1.1]	3.6	[2.1, 6.1]	100.0
Female (n=1,455)	36.8	[33.6, 40.0]	50.0	[46.7, 53.3]	3.6	[2.6, 5.1]	6.2	[4.6, 8.3]	0.9	[0.5, 1.7]	2.6	[1.8, 3.7]	100.0
Pearson: Uncorrected chi2(5) =	31.8097												
Design-based F(4.91, 11677.09) =	3.6356	Pr =	0.003										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,603)	34.2	[31.3, 37.3]	49.2	[46.1, 52.4]	5.7	[4.3, 7.6]	7.8	[6.0, 9.9]	0.8	[0.4, 1.5]	2.3	[1.5, 3.6]	100.0
Black, non-Hispanic (n=479)	34.1	[29.0, 39.6]	50.3	[44.7, 55.9]	3.5	[1.8, 6.5]	7.3	[4.8, 11.0]	0.5	[0.1, 1.9]	4.3	[2.3, 8.0]	100.0
Hispanic (n=100)	29.3	[19.5, 41.4]	52.9	[41.0, 64.5]	4.6	[1.6, 12.8]	8.0	[3.6, 16.8]	0.0		5.2	[1.5, 16.6]	100.0
Other, non-Hispanic (n=176)	34.0	[25.7, 43.4]	49.4	[40.2, 58.6]	4.5	[2.1, 9.6]	8.7	[5.0, 14.7]	0.5	[0.1, 3.5]	2.9	[1.1, 7.1]	100.0
Pearson: Uncorrected chi2(15) =	14.8563												
Design-based F(14.25, 33426.17) =	0.5679	Pr =	0.894										
<b>FPL category</b>													
0-35% (n=1,001)	35.3	[31.6, 39.1]	48.9	[45.0, 52.9]	4.9	[3.3, 7.2]	6.9	[5.0, 9.5]	0.6	[0.3, 1.4]	3.4	[2.1, 5.4]	100.0
36-99% (n=824)	33.8	[30.0, 37.8]	50.9	[46.8, 55.1]	5.6	[4.0, 7.7]	7.2	[5.3, 9.8]	0.5	[0.2, 1.3]	2.0	[1.3, 3.3]	100.0
100%+ (n=563)	28.9	[24.7, 33.4]	51.6	[46.8, 56.3]	4.4	[2.9, 6.7]	10.8	[8.2, 14.1]	0.9	[0.3, 2.8]	3.5	[1.9, 6.4]	100.0
Pearson: Uncorrected chi2(10) =	15.4588												
Design-based F(9.29, 22081.99) =	1.1469	Pr =	0.324										
<b>Region</b>													
UP/NW/NE (n=450)	35.0	[30.1, 40.3]	48.0	[42.8, 53.3]	5.0	[3.2, 7.7]	9.8	[6.8, 13.9]	0.1	[0.0, 0.9]	2.1	[1.1, 4.1]	100.0
W/E Central/E (n=777)	34.6	[30.9, 38.6]	50.7	[46.6, 54.8]	4.2	[2.5, 7.0]	7.2	[5.2, 10.0]	1.1	[0.5, 2.5]	2.1	[1.3, 3.5]	100.0
S Central/SW/SE (n=464)	30.8	[26.3, 35.7]	53.0	[47.7, 58.1]	5.3	[3.4, 8.0]	7.3	[5.0, 10.5]	1.1	[0.4, 3.2]	2.6	[1.3, 5.3]	100.0
Detroit Metro (n=697)	34.0	[29.7, 38.6]	48.6	[44.0, 53.3]	5.4	[3.6, 7.9]	7.8	[5.5, 10.9]	0.2	[0.1, 0.9]	4.0	[2.4, 6.7]	100.0
Pearson: Uncorrected chi2(15) =	19.5601												
Design-based F(12.55, 29822.83) =	1.0346	Pr =	0.413										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,931)	34.8	[32.1, 37.7]	49.8	[46.9, 52.7]	4.3	[3.2, 5.8]	7.3	[5.8, 9.1]	0.4	[0.2, 0.9]	3.4	[2.4, 4.9]	100.0
No (n=457)	29.7	[24.6, 35.3]	50.4	[44.7, 56.1]	7.4	[4.9, 11.0]	9.3	[6.4, 13.1]	1.5	[0.7, 3.4]	1.7	[0.7, 4.3]	100.0
Pearson: Uncorrected chi2(5) =	25.1046												
Design-based F(4.91, 11672.33) =	2.8726	Pr =	0.014										
<b>Total (n=2,388)</b>	33.7	[31.3, 36.2]	49.9	[47.3, 52.5]	5.0	[3.9, 6.3]	7.7	[6.3, 9.3]	0.6	[0.4, 1.1]	3.0	[2.2, 4.3]	100.0

## 2.18 Q: In the last 12 months, have you had any questions or problems using your Healthy Michigan Plan insurance?

Follow-up group(s): Still enrolled

Universe: All respondents

	Questions/problems using HMP in last 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	11.0	[9.5, 12.7]	88.5	[86.8, 90.0]	0.5	[0.2, 0.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	12.8	[9.9, 16.3]	87.1	[83.5, 89.9]	0.2	[0.0, 1.1]	100.0
35-50 (n=760)	9.4	[7.1, 12.3]	90.0	[87.0, 92.3]	0.6	[0.2, 1.6]	100.0
51-64 (n=964)	10.8	[8.6, 13.5]	88.5	[85.7, 90.8]	0.7	[0.2, 2.0]	100.0
Pearson: Uncorrected chi2(4) =	7.7544						
Design-based F(3.92, 9312.35) =	1.3176	Pr =	0.261				
<b>Gender</b>							
Male (n=933)	10.1	[7.9, 12.7]	89.7	[87.0, 91.9]	0.2	[0.0, 1.1]	100.0
Female (n=1,455)	11.9	[9.9, 14.2]	87.4	[85.1, 89.5]	0.7	[0.3, 1.5]	100.0
Pearson: Uncorrected chi2(2) =	5.2805						
Design-based F(2.00, 4744.85) =	1.6144	Pr =	0.199				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	11.6	[9.7, 13.9]	88.0	[85.7, 90.0]	0.4	[0.2, 1.1]	100.0
Black, non-Hispanic (n=479)	8.4	[5.8, 12.0]	91.0	[87.4, 93.7]	0.6	[0.2, 1.9]	100.0
Hispanic (n=100)	13.4	[7.8, 22.1]	85.4	[76.4, 91.3]	1.2	[0.2, 8.1]	100.0
Other, non-Hispanic (n=176)	11.6	[7.2, 18.3]	88.4	[81.7, 92.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	8.2354						
Design-based F(5.88, 13790.50) =	0.9328	Pr =	0.469				
<b>FPL category</b>							
0-35% (n=1,001)	10.3	[8.1, 12.9]	89.4	[86.7, 91.6]	0.4	[0.1, 1.0]	100.0
36-99% (n=824)	10.7	[8.4, 13.5]	88.6	[85.7, 91.0]	0.7	[0.2, 2.3]	100.0
100%+ (n=563)	13.9	[10.9, 17.6]	85.6	[81.9, 88.7]	0.4	[0.1, 2.1]	100.0
Pearson: Uncorrected chi2(4) =	5.8619						
Design-based F(3.90, 9273.36) =	1.1033	Pr =	0.353				
<b>Region</b>							
UP/NW/NE (n=450)	12.8	[9.7, 16.7]	87.1	[83.1, 90.2]	0.2	[0.0, 1.1]	100.0
W/E Central/E (n=777)	10.5	[8.1, 13.4]	89.1	[86.1, 91.5]	0.4	[0.1, 2.0]	100.0
S Central/SW/SE (n=464)	13.7	[10.5, 17.8]	86.1	[82.1, 89.4]	0.1	[0.0, 0.9]	100.0
Detroit Metro (n=697)	10.0	[7.5, 13.1]	89.3	[86.1, 91.8]	0.7	[0.3, 1.6]	100.0
Pearson: Uncorrected chi2(6) =	7.6995						
Design-based F(4.66, 11070.40) =	1.1814	Pr =	0.316				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	11.5	[9.7, 13.5]	88.2	[86.1, 89.9]	0.3	[0.1, 0.8]	100.0
No (n=457)	9.3	[6.7, 12.9]	89.7	[86.0, 92.5]	1.0	[0.3, 2.8]	100.0
Pearson: Uncorrected chi2(2) =	5.6368						
Design-based F(2.00, 4741.11) =	1.9232	Pr =	0.146				
<b>Total (n=2,388)</b>	11.0	[9.5, 12.7]	88.5	[86.8, 90.0]	0.5	[0.2, 0.9]	100.0

**2.18.1 Q: What kind of questions or difficulties did you have?**

*Follow-up group(s):* Still enrolled

*Universe:* Respondents who had questions or problems using their Healthy Michigan Plan insurance in the last 12 months (n = 263)

Kind of questions or difficulties with HMP	Weighted Proportion	95%CI
Needed a service that wasn't covered (n=90)	34.0	[27.0, 41.7]
Difficulty/inability finding a provider (n=74)	30.5	[23.5, 38.5]
Difficulty finding out information (n=67)	24.7	[18.8, 31.6]
Payment issue- charged incorrectly (n=27)	9.0	[5.7, 13.9]
Payment issue- trouble making payments (n=21)	7.1	[4.2, 11.7]
Other (n=11)	5.7	[2.8, 11.5]
Admin problem- disenrolled/ declared ineligible but don't know why (n=7)	4.0	[1.7, 9.2]
Admin problem- problem with Medicaid/HMP ID card (n=8)	2.3	[1.1, 4.9]
Transportation/logistics (n=7)	2.3	[0.9, 5.3]
Admin problem- case worker difficulties (n=5)	2.2	[0.9, 5.7]
Difficulty getting appointment (n=3)	1.7	[0.5, 5.5]
Don't know (n=3)	1.2	[0.4, 4.1]
Difficulty completing re-enrollment materials (n=3)	0.8	[0.2, 2.8]
Admin problem- inaccurate information from/problem with Medicaid Health Plan (n=2)	0.8	[0.2, 3.4]
Admin problem- eligibility/administrative error by DHHS (n=4)	0.8	[0.3, 2.3]

**Note:** Respondents were able to provide multiple responses

## 2.19 Q: It is very important to me personally to have health insurance.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,388)	43.7	[41.1, 46.2]	53.9	[51.3, 56.5]	1.2	[0.8, 1.8]	0.9	[0.5, 1.5]	0.2	[0.1, 0.6]	0.1	[0.1, 0.3]	100.0
No longer enrolled (n=709)	44.3	[39.7, 48.9]	52.2	[47.5, 56.8]	2.0	[1.2, 3.5]	1.4	[0.7, 2.6]	0.0		0.2	[0.0, 1.2]	100.0
Pearson: Uncorrected chi2(5) =	6.2528												
Design-based F(4.89, 15085.61) =	0.9501	Pr =	0.446										
<b>Age</b>													
19-34 (n=909)	43.7	[39.7, 47.8]	53.1	[48.9, 57.1]	1.7	[1.0, 2.7]	1.3	[0.7, 2.6]	0.2	[0.1, 1.0]	0.0		100.0
35-50 (n=969)	43.2	[39.3, 47.1]	54.1	[50.1, 58.0]	1.2	[0.6, 2.3]	1.1	[0.6, 2.1]	0.2	[0.0, 1.1]	0.3	[0.1, 0.7]	100.0
51-64 (n=1,219)	44.7	[41.3, 48.1]	53.5	[50.0, 56.9]	1.2	[0.6, 2.3]	0.4	[0.2, 0.9]	0.1	[0.0, 0.6]	0.1	[0.0, 1.0]	100.0
Pearson: Uncorrected chi2(10) =	9.9124												
Design-based F(9.13, 28176.36) =	0.8042	Pr =	0.614										
<b>Gender</b>													
Male (n=1,230)	40.8	[37.4, 44.4]	56.1	[52.5, 59.6]	1.4	[0.8, 2.3]	1.3	[0.7, 2.4]	0.3	[0.1, 0.9]	0.2	[0.0, 0.6]	100.0
Female (n=1,867)	46.4	[43.6, 49.3]	51.3	[48.4, 54.1]	1.4	[0.9, 2.1]	0.7	[0.4, 1.3]	0.1	[0.0, 0.6]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(5) =	13.4985												
Design-based F(4.74, 14627.76) =	2.1145	Pr =	0.064										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,058)	47.3	[44.5, 50.1]	49.8	[47.0, 52.6]	1.6	[1.0, 2.4]	1.0	[0.6, 1.6]	0.3	[0.1, 0.8]	0.1	[0.0, 0.3]	100.0
Black, non-Hispanic (n=634)	38.5	[33.9, 43.2]	59.6	[54.9, 64.2]	0.6	[0.3, 1.2]	1.1	[0.5, 2.6]	0.0		0.2	[0.0, 0.6]	100.0
Hispanic (n=138)	36.7	[27.5, 46.8]	61.0	[50.9, 70.3]	2.1	[0.6, 6.4]	0.3	[0.0, 1.9]	0.0		0.0		100.0
Other, non-Hispanic (n=228)	42.2	[34.5, 50.3]	53.8	[45.8, 61.7]	2.1	[0.8, 5.7]	1.4	[0.4, 4.5]	0.0		0.5	[0.1, 3.3]	100.0
Pearson: Uncorrected chi2(15) =	37.1765												
Design-based F(13.27, 40434.04) =	1.9187	Pr =	0.023										
<b>FPL category</b>													
0-35% (n=1,218)	44.5	[40.9, 48.0]	53.5	[49.9, 57.0]	0.9	[0.5, 1.7]	0.8	[0.4, 1.5]	0.2	[0.1, 0.8]	0.1	[0.0, 0.5]	100.0
36-99% (n=1,084)	44.7	[41.2, 48.3]	52.4	[48.8, 56.0]	1.7	[0.9, 3.0]	0.9	[0.4, 1.9]	0.2	[0.0, 1.1]	0.2	[0.1, 0.6]	100.0
100%+ (n=795)	40.7	[36.8, 44.8]	55.3	[51.2, 59.3]	2.2	[1.3, 3.7]	1.7	[0.8, 3.6]	0.0		0.1	[0.0, 0.8]	100.0
Pearson: Uncorrected chi2(10) =	13.9254												
Design-based F(9.45, 29144.43) =	1.1384	Pr =	0.330										
<b>Region</b>													
UP/NW/NE (n=574)	44.5	[39.9, 49.1]	52.4	[47.7, 57.0]	2.0	[1.0, 3.9]	0.9	[0.3, 3.2]	0.0		0.2	[0.0, 1.3]	100.0
W/E Central/E (n=980)	41.6	[38.1, 45.2]	55.6	[52.0, 59.2]	1.3	[0.7, 2.3]	0.9	[0.4, 1.7]	0.4	[0.1, 1.2]	0.2	[0.1, 0.7]	100.0
S Central/SW/SE (n=633)	44.1	[39.6, 48.7]	52.4	[47.8, 56.9]	2.0	[1.0, 3.9]	1.1	[0.5, 2.6]	0.3	[0.0, 2.1]	0.1	[0.0, 0.6]	100.0
Detroit Metro (n=910)	45.0	[41.0, 49.1]	52.8	[48.7, 56.9]	1.0	[0.5, 2.0]	1.0	[0.5, 2.1]	0.0		0.1	[0.0, 0.7]	100.0
Pearson: Uncorrected chi2(15) =	13.1283												
Design-based F(12.80, 39489.35) =	0.8030	Pr =	0.656										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,469)	43.0	[40.5, 45.5]	55.0	[52.5, 57.6]	1.1	[0.7, 1.7]	0.7	[0.4, 1.1]	0.0	[0.0, 0.2]	0.2	[0.1, 0.4]	100.0
No (n=628)	46.4	[41.6, 51.4]	48.5	[43.6, 53.4]	2.3	[1.3, 3.8]	2.1	[1.1, 4.1]	0.6	[0.2, 1.9]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(5) =	34.4551												
Design-based F(4.40, 13586.19) =	5.8192	Pr =	0.000										
<b>Total (n=3,097)</b>	<b>43.8</b>	<b>[41.6, 46.1]</b>	<b>53.5</b>	<b>[51.3, 55.8]</b>	<b>1.4</b>	<b>[1.0, 1.9]</b>	<b>1.0</b>	<b>[0.6, 1.5]</b>	<b>0.2</b>	<b>[0.1, 0.5]</b>	<b>0.1</b>	<b>[0.1, 0.3]</b>	<b>100.0</b>

## 2.20 Q: Getting discounts on copays and premiums as a reward for working on improving your health is a good idea.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Getting discounts for improving health is a good idea												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,387)	25.1	[22.9, 27.4]	65.9	[63.4, 68.3]	4.5	[3.5, 5.8]	2.5	[1.9, 3.4]	0.6	[0.3, 1.2]	1.5	[0.9, 2.3]	100.0
No longer enrolled (n=707)	29.4	[25.4, 33.8]	61.8	[57.1, 66.3]	3.8	[2.4, 6.2]	3.7	[1.9, 6.9]	0.4	[0.1, 1.4]	0.9	[0.2, 3.2]	100.0
Pearson: Uncorrected chi2(5) =	10.2740												
Design-based F(4.68, 14434.13) =	1.0417	Pr =	0.389										
<b>Age</b>													
19-34 (n=907)	25.4	[22.0, 29.1]	64.3	[60.2, 68.1]	5.7	[4.1, 7.8]	2.4	[1.3, 4.4]	0.9	[0.4, 1.9]	1.4	[0.6, 3.1]	100.0
35-50 (n=969)	28.0	[24.5, 31.7]	63.1	[59.1, 66.8]	4.2	[2.8, 6.4]	3.2	[2.2, 4.7]	0.3	[0.0, 2.1]	1.2	[0.6, 2.5]	100.0
51-64 (n=1,218)	24.7	[21.9, 27.7]	68.0	[64.8, 71.1]	2.8	[1.9, 4.0]	2.9	[1.8, 4.5]	0.4	[0.1, 1.6]	1.3	[0.6, 2.6]	100.0
Pearson: Uncorrected chi2(10) =	19.2820												
Design-based F(9.20, 28363.10) =	1.0347	Pr =	0.409										
<b>Gender</b>													
Male (n=1,229)	26.5	[23.5, 29.8]	66.2	[62.7, 69.5]	2.8	[1.9, 3.9]	2.3	[1.3, 4.0]	0.7	[0.3, 1.8]	1.5	[0.8, 2.9]	100.0
Female (n=1,865)	25.6	[23.2, 28.2]	63.8	[61.0, 66.5]	5.8	[4.4, 7.6]	3.3	[2.4, 4.4]	0.4	[0.1, 1.0]	1.1	[0.6, 2.1]	100.0
Pearson: Uncorrected chi2(5) =	22.5928												
Design-based F(4.91, 15122.56) =	2.4325	Pr =	0.034										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,058)	26.9	[24.5, 29.5]	63.7	[61.0, 66.4]	5.8	[4.5, 7.4]	2.1	[1.5, 3.0]	0.7	[0.3, 1.6]	0.8	[0.4, 1.5]	100.0
Black, non-Hispanic (n=633)	26.8	[22.9, 31.1]	64.8	[60.1, 69.2]	2.2	[1.3, 3.7]	4.3	[2.5, 7.2]	0.4	[0.1, 1.4]	1.5	[0.7, 3.3]	100.0
Hispanic (n=138)	22.9	[14.5, 34.2]	64.1	[53.1, 73.7]	4.0	[1.7, 9.2]	4.7	[2.2, 10.1]	0.0		4.3	[1.2, 14.3]	100.0
Other, non-Hispanic (n=226)	19.8	[14.4, 26.5]	73.4	[66.1, 79.7]	1.5	[0.6, 3.8]	2.2	[1.0, 4.9]	0.0		3.0	[1.0, 8.6]	100.0
Pearson: Uncorrected chi2(15) =	65.0900												
Design-based F(13.67, 41596.00) =	2.5544	Pr =	0.001										
<b>FPL category</b>													
0-35% (n=1,217)	25.9	[22.9, 29.1]	63.2	[59.7, 66.6]	4.8	[3.4, 6.7]	3.2	[2.1, 4.8]	0.9	[0.4, 1.9]	2.0	[1.2, 3.4]	100.0
36-99% (n=1,083)	25.6	[22.6, 28.9]	67.0	[63.5, 70.2]	4.6	[3.4, 6.2]	2.1	[1.4, 3.2]	0.1	[0.0, 0.4]	0.6	[0.3, 1.5]	100.0
100%+ (n=794)	27.2	[23.7, 31.0]	66.5	[62.6, 70.2]	2.9	[2.0, 4.4]	2.7	[1.7, 4.3]	0.2	[0.0, 0.7]	0.4	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(10) =	29.5399												
Design-based F(9.01, 27771.27) =	2.6719	Pr =	0.004										
<b>Region</b>													
UP/NW/NE (n=574)	24.7	[21.1, 28.6]	67.7	[63.3, 71.8]	5.4	[3.6, 8.1]	2.0	[1.0, 4.0]	0.0		0.2	[0.1, 0.9]	100.0
W/E Central/E (n=980)	28.4	[25.2, 31.9]	63.0	[59.4, 66.5]	5.2	[3.7, 7.2]	2.1	[1.4, 3.4]	0.4	[0.1, 1.5]	0.8	[0.3, 1.8]	100.0
S Central/SW/SE (n=631)	24.6	[21.0, 28.6]	66.3	[61.9, 70.5]	4.6	[3.1, 6.8]	3.7	[2.2, 6.0]	0.3	[0.1, 0.9]	0.6	[0.2, 2.1]	100.0
Detroit Metro (n=909)	25.4	[22.0, 29.1]	65.1	[61.0, 68.9]	3.5	[2.1, 5.5]	3.0	[1.9, 4.9]	0.8	[0.3, 2.1]	2.2	[1.3, 3.9]	100.0
Pearson: Uncorrected chi2(15) =	33.0351												
Design-based F(12.47, 38445.67) =	1.6612	Pr =	0.065										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,467)	25.8	[23.6, 28.0]	65.3	[62.9, 67.7]	4.3	[3.4, 5.5]	3.0	[2.2, 4.1]	0.5	[0.2, 1.2]	1.1	[0.6, 1.8]	100.0
No (n=627)	27.0	[22.8, 31.7]	63.5	[58.6, 68.2]	4.5	[2.7, 7.4]	2.2	[1.2, 3.8]	0.6	[0.2, 1.9]	2.2	[1.0, 4.5]	100.0
Pearson: Uncorrected chi2(5) =	7.0366												
Design-based F(4.89, 15062.65) =	0.7642	Pr =	0.573										
<b>Total (n=3,094)</b>	<b>26.1</b>	<b>[24.1, 28.1]</b>	<b>64.9</b>	<b>[62.7, 67.1]</b>	<b>4.4</b>	<b>[3.5, 5.4]</b>	<b>2.8</b>	<b>[2.1, 3.7]</b>	<b>0.5</b>	<b>[0.3, 1.1]</b>	<b>1.3</b>	<b>[0.8, 2.1]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 2.21 Q: Everyone should have to pay something for their health care.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Everyone should pay something for their healthcare				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	Disagree	Disagree	Disagree	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,387)	7.7	[6.4, 9.1]	46.5	[43.9, 49.1]	14.7	[13.1, 16.6]	24.1	[21.9, 26.4]	4.8	[3.7, 6.2]	2.2	[1.6, 3.1]	100.0
No longer enrolled (n=708)	10.1	[7.6, 13.2]	42.3	[37.8, 46.9]	10.0	[7.7, 12.8]	29.3	[25.2, 33.8]	7.8	[5.3, 11.3]	0.5	[0.2, 1.5]	100.0
Pearson: Uncorrected chi2(5) =	39.1134												
Design-based F(4.75, 14645.56) =	4.9664	Pr =	0.000										
<b>Age</b>													
19-34 (n=908)	6.9	[5.2, 9.0]	44.5	[40.5, 48.7]	15.1	[12.6, 17.9]	26.3	[22.9, 30.1]	6.1	[4.1, 8.8]	1.1	[0.5, 2.5]	100.0
35-50 (n=968)	9.6	[7.5, 12.3]	45.9	[42.0, 49.9]	12.3	[9.9, 15.2]	25.2	[21.8, 28.9]	4.6	[3.1, 6.8]	2.3	[1.4, 3.8]	100.0
51-64 (n=1,219)	8.4	[6.7, 10.4]	46.4	[43.0, 49.8]	13.3	[11.1, 15.9]	24.1	[21.2, 27.2]	5.7	[4.3, 7.6]	2.1	[1.3, 3.4]	100.0
Pearson: Uncorrected chi2(10) =	16.7759												
Design-based F(9.49, 29272.39) =	1.0203	Pr =	0.422										
<b>Gender</b>													
Male (n=1,230)	8.0	[6.4, 10.1]	50.1	[46.5, 53.7]	11.4	[9.4, 13.9]	22.4	[19.5, 25.6]	6.3	[4.5, 8.7]	1.8	[1.0, 2.9]	100.0
Female (n=1,865)	8.4	[7.0, 10.1]	41.5	[38.7, 44.3]	15.6	[13.7, 17.7]	27.9	[25.3, 30.5]	4.8	[3.7, 6.1]	1.9	[1.2, 2.8]	100.0
Pearson: Uncorrected chi2(5) =	34.6680												
Design-based F(4.95, 15273.72) =	4.0407	Pr =	0.001										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,057)	9.2	[7.8, 10.9]	48.2	[45.5, 51.0]	14.8	[13.0, 16.8]	21.2	[19.0, 23.6]	5.3	[4.0, 7.0]	1.2	[0.8, 2.0]	100.0
Black, non-Hispanic (n=634)	7.2	[5.2, 9.9]	38.5	[33.8, 43.4]	11.6	[8.8, 15.1]	33.6	[29.1, 38.3]	6.4	[4.4, 9.2]	2.7	[1.6, 4.7]	100.0
Hispanic (n=137)	9.3	[4.2, 19.4]	51.0	[40.9, 61.0]	15.1	[9.6, 23.0]	21.7	[14.9, 30.6]	1.3	[0.3, 5.1]	1.6	[0.4, 6.3]	100.0
Other, non-Hispanic (n=228)	4.5	[2.2, 8.9]	46.3	[38.4, 54.3]	11.8	[7.9, 17.4]	27.2	[20.4, 35.3]	6.9	[3.2, 14.4]	3.4	[1.3, 8.2]	100.0
Pearson: Uncorrected chi2(15) =	79.3291												
Design-based F(14.04, 42737.00) =	3.0423	Pr =	0.000										
<b>FPL category</b>													
0-35% (n=1,217)	6.9	[5.3, 8.9]	42.0	[38.5, 45.6]	13.7	[11.6, 16.1]	28.6	[25.5, 31.9]	6.2	[4.6, 8.4]	2.6	[1.7, 3.9]	100.0
36-99% (n=1,083)	8.9	[7.1, 11.1]	51.0	[47.4, 54.6]	14.9	[12.4, 17.8]	19.8	[17.1, 22.8]	4.4	[2.9, 6.8]	1.0	[0.6, 1.7]	100.0
100%+ (n=795)	10.8	[8.4, 13.9]	47.2	[43.2, 51.3]	11.8	[9.5, 14.6]	24.3	[20.9, 28.0]	4.9	[3.3, 7.2]	0.9	[0.4, 2.0]	100.0
Pearson: Uncorrected chi2(10) =	54.1247												
Design-based F(9.29, 28641.75) =	4.0616	Pr =	0.000										
<b>Region</b>													
UP/NW/NE (n=574)	9.1	[6.9, 12.0]	52.0	[47.3, 56.5]	13.4	[10.5, 17.0]	20.2	[16.8, 24.2]	4.0	[2.5, 6.4]	1.2	[0.5, 2.6]	100.0
W/E Central/E (n=978)	8.6	[6.7, 11.1]	49.4	[45.8, 53.0]	14.6	[12.3, 17.3]	21.1	[18.4, 24.2]	4.7	[3.3, 6.6]	1.5	[0.8, 2.6]	100.0
S Central/SW/SE (n=633)	6.1	[4.5, 8.2]	45.1	[40.7, 49.7]	14.3	[11.5, 17.7]	26.2	[22.3, 30.5]	6.8	[4.3, 10.6]	1.5	[0.7, 3.1]	100.0
Detroit Metro (n=910)	8.7	[6.7, 11.1]	41.7	[37.7, 45.8]	12.7	[10.3, 15.5]	28.8	[25.3, 32.7]	5.7	[4.0, 8.2]	2.3	[1.5, 3.8]	100.0
Pearson: Uncorrected chi2(15) =	39.0419												
Design-based F(12.81, 39505.36) =	2.0568	Pr =	0.014										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,469)	7.7	[6.5, 9.1]	46.9	[44.4, 49.5]	12.1	[10.6, 13.7]	26.1	[23.9, 28.4]	5.4	[4.3, 6.7]	1.9	[1.3, 2.7]	100.0
No (n=626)	9.9	[7.3, 13.3]	40.9	[36.3, 45.7]	18.8	[15.4, 22.8]	22.8	[18.8, 27.3]	5.9	[3.4, 9.9]	1.7	[0.8, 3.3]	100.0
Pearson: Uncorrected chi2(5) =	28.7878												
Design-based F(4.68, 14414.05) =	3.0147	Pr =	0.012										
<b>Total (n=3,095)</b>	<b>8.2</b>	<b>[7.1, 9.5]</b>	<b>45.5</b>	<b>[43.3, 47.8]</b>	<b>13.6</b>	<b>[12.2, 15.2]</b>	<b>25.3</b>	<b>[23.4, 27.3]</b>	<b>5.5</b>	<b>[4.4, 6.8]</b>	<b>1.8</b>	<b>[1.3, 2.5]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 2.22 Q: Doctors treat people on Medicaid the same as people with private insurance.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Doctor's treat Medicaid and private insurance people the same												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,386)	10.8	[9.3, 12.5]	41.9	[39.4, 44.5]	13.0	[11.3, 14.9]	19.4	[17.5, 21.4]	6.3	[5.1, 7.7]	8.6	[7.3, 10.1]	100.0
No longer enrolled (n=708)	7.1	[5.2, 9.7]	40.8	[36.4, 45.4]	13.6	[10.4, 17.6]	27.3	[23.3, 31.6]	7.4	[5.4, 10.1]	3.8	[2.4, 6.0]	100.0
Pearson: Uncorrected chi2(5) =	41.4814												
Design-based F(4.94, 15234.64) =	5.1235	Pr =	0.000										
<b>Age</b>													
19-34 (n=909)	9.7	[7.5, 12.5]	43.5	[39.4, 47.7]	16.3	[13.5, 19.5]	20.8	[17.9, 24.1]	5.8	[4.3, 7.9]	3.8	[2.8, 5.3]	100.0
35-50 (n=968)	9.8	[7.8, 12.4]	37.4	[33.7, 41.2]	11.0	[8.6, 14.0]	24.5	[21.3, 28.0]	7.9	[5.9, 10.5]	9.4	[7.2, 12.3]	100.0
51-64 (n=1,217)	10.4	[8.5, 12.6]	44.4	[41.0, 47.8]	11.6	[9.5, 14.1]	17.9	[15.4, 20.6]	5.8	[4.4, 7.7]	9.9	[8.0, 12.2]	100.0
Pearson: Uncorrected chi2(10) =	68.9179												
Design-based F(9.65, 29746.49) =	4.4136	Pr =	0.000										
<b>Gender</b>													
Male (n=1,230)	9.2	[7.4, 11.4]	41.2	[37.7, 44.8]	14.3	[11.8, 17.1]	20.6	[17.9, 23.5]	6.3	[4.8, 8.2]	8.5	[6.7, 10.6]	100.0
Female (n=1,864)	10.6	[8.9, 12.6]	42.1	[39.2, 44.9]	12.2	[10.4, 14.2]	21.8	[19.6, 24.2]	6.7	[5.4, 8.4]	6.6	[5.3, 8.1]	100.0
Pearson: Uncorrected chi2(5) =	8.7003												
Design-based F(4.99, 15364.60) =	1.0442	Pr =	0.389										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,057)	11.2	[9.5, 13.1]	42.4	[39.7, 45.2]	14.7	[12.7, 17.0]	19.1	[17.1, 21.3]	6.3	[5.0, 7.8]	6.4	[5.2, 7.8]	100.0
Black, non-Hispanic (n=633)	8.2	[5.9, 11.1]	39.7	[34.9, 44.7]	9.6	[7.1, 12.9]	26.9	[23.0, 31.3]	6.9	[4.8, 9.7]	8.7	[6.6, 11.6]	100.0
Hispanic (n=137)	4.3	[1.8, 10.3]	46.8	[36.9, 56.9]	14.4	[9.0, 22.3]	13.0	[8.2, 20.0]	10.9	[5.5, 20.3]	10.6	[5.1, 20.6]	100.0
Other, non-Hispanic (n=228)	10.8	[7.1, 16.0]	40.3	[32.6, 48.5]	13.3	[9.0, 19.3]	22.4	[16.6, 29.6]	4.1	[1.8, 9.1]	9.1	[4.9, 16.1]	100.0
Pearson: Uncorrected chi2(15) =	59.7383												
Design-based F(14.47, 44020.03) =	2.2853	Pr =	0.004										
<b>FPL category</b>													
0-35% (n=1,217)	10.8	[8.8, 13.1]	40.8	[37.3, 44.4]	12.7	[10.4, 15.3]	20.2	[17.6, 23.1]	6.9	[5.3, 8.9]	8.6	[6.9, 10.8]	100.0
36-99% (n=1,083)	8.9	[7.2, 10.9]	42.4	[38.9, 45.9]	13.3	[10.8, 16.3]	24.1	[21.2, 27.3]	5.7	[4.2, 7.6]	5.6	[4.3, 7.4]	100.0
100%+ (n=794)	9.3	[7.1, 12.0]	42.9	[38.9, 47.0]	14.2	[11.4, 17.6]	19.9	[16.9, 23.2]	6.8	[4.9, 9.3]	6.9	[5.1, 9.3]	100.0
Pearson: Uncorrected chi2(10) =	16.8595												
Design-based F(9.64, 29704.64) =	1.2532	Pr =	0.253										
<b>Region</b>													
UP/NW/NE (n=574)	11.6	[9.0, 14.9]	42.7	[38.2, 47.3]	13.4	[10.6, 16.7]	19.5	[15.9, 23.7]	5.1	[3.4, 7.6]	7.8	[5.7, 10.5]	100.0
W/E Central/E (n=978)	10.1	[8.2, 12.5]	42.9	[39.4, 46.6]	13.8	[11.3, 16.7]	20.9	[18.2, 23.9]	5.8	[4.3, 7.7]	6.5	[5.0, 8.4]	100.0
S Central/SW/SE (n=632)	10.4	[7.9, 13.6]	39.5	[35.1, 44.0]	12.6	[10.0, 15.8]	23.7	[19.8, 28.2]	7.0	[5.0, 9.5]	6.8	[4.9, 9.5]	100.0
Detroit Metro (n=910)	9.3	[7.1, 11.9]	41.5	[37.5, 45.7]	12.9	[10.2, 16.1]	20.8	[17.9, 24.1]	7.1	[5.3, 9.6]	8.4	[6.4, 10.8]	100.0
Pearson: Uncorrected chi2(15) =	10.9840												
Design-based F(13.17, 40593.87) =	0.5841	Pr =	0.871										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,467)	10.2	[8.7, 11.8]	41.8	[39.3, 44.4]	11.8	[10.2, 13.6]	21.6	[19.7, 23.7]	6.3	[5.2, 7.6]	8.3	[7.0, 9.8]	100.0
No (n=627)	9.2	[6.8, 12.3]	41.1	[36.4, 46.0]	17.6	[14.0, 21.8]	19.9	[16.3, 24.1]	7.4	[5.1, 10.6]	4.8	[3.2, 7.2]	100.0
Pearson: Uncorrected chi2(5) =	25.0302												
Design-based F(4.97, 15306.20) =	2.8755	Pr =	0.014										
<b>Total (n=3,094)</b>	<b>9.9</b>	<b>[8.7, 11.4]</b>	<b>41.7</b>	<b>[39.4, 43.9]</b>	<b>13.2</b>	<b>[11.6, 14.8]</b>	<b>21.2</b>	<b>[19.5, 23.1]</b>	<b>6.5</b>	<b>[5.5, 7.7]</b>	<b>7.5</b>	<b>[6.4, 8.7]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 2.23 Q: Medicaid helps people get a "leg-up" when they really need it.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Medicaid helps people when they really need it				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral Row%	Neutral 95%CI	Disagree Row%	Disagree 95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,386)	23.4	[21.2, 25.7]	63.4	[60.8, 65.9]	5.8	[4.7, 7.2]	3.7	[2.8, 4.9]	0.9	[0.5, 1.8]	2.8	[2.1, 3.6]	100.0
No longer enrolled (n=707)	23.2	[19.5, 27.5]	67.3	[62.7, 71.5]	4.1	[2.8, 6.1]	4.3	[2.8, 6.7]	0.3	[0.1, 1.2]	0.7	[0.2, 3.2]	100.0
Pearson: Uncorrected chi2(5) =	17.6072												
Design-based F(4.45, 13703.32) =	1.9913	Pr =	0.085										
<b>Age</b>													
19-34 (n=907)	21.9	[18.6, 25.7]	65.4	[61.4, 69.2]	8.0	[6.2, 10.3]	2.8	[1.9, 4.3]	0.5	[0.2, 1.5]	1.3	[0.6, 2.5]	100.0
35-50 (n=967)	23.1	[19.8, 26.7]	62.4	[58.4, 66.2]	4.7	[3.2, 7.0]	5.8	[4.1, 8.2]	1.3	[0.5, 3.4]	2.6	[1.7, 4.1]	100.0
51-64 (n=1,219)	25.6	[22.7, 28.7]	65.1	[61.7, 68.3]	2.9	[2.0, 4.2]	2.8	[1.9, 4.3]	0.5	[0.1, 1.6]	3.2	[2.2, 4.6]	100.0
Pearson: Uncorrected chi2(10) =	60.9050												
Design-based F(9.47, 29170.51) =	3.6807	Pr =	0.000										
<b>Gender</b>													
Male (n=1,227)	23.6	[20.7, 26.8]	65.1	[61.6, 68.4]	4.5	[3.4, 6.1]	3.4	[2.3, 5.0]	1.2	[0.5, 2.7]	2.2	[1.5, 3.4]	100.0
Female (n=1,866)	23.2	[20.8, 25.8]	63.6	[60.7, 66.4]	6.2	[4.8, 8.0]	4.2	[3.2, 5.6]	0.4	[0.2, 1.0]	2.3	[1.6, 3.3]	100.0
Pearson: Uncorrected chi2(5) =	11.0816												
Design-based F(4.94, 15218.75) =	1.2986	Pr =	0.262										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,056)	26.4	[23.9, 29.1]	62.4	[59.6, 65.2]	5.9	[4.6, 7.5]	2.7	[1.9, 3.8]	0.6	[0.2, 1.5]	2.0	[1.4, 2.7]	100.0
Black, non-Hispanic (n=634)	18.0	[14.6, 21.9]	67.2	[62.5, 71.6]	4.6	[3.0, 6.8]	6.8	[4.7, 9.9]	1.2	[0.4, 3.8]	2.2	[1.3, 3.8]	100.0
Hispanic (n=137)	19.3	[12.2, 29.0]	65.4	[55.0, 74.5]	6.0	[2.7, 12.6]	2.6	[1.1, 5.8]	0.9	[0.2, 3.7]	5.9	[2.2, 15.0]	100.0
Other, non-Hispanic (n=227)	22.3	[16.5, 29.4]	67.3	[59.6, 74.1]	5.2	[2.7, 9.8]	3.6	[1.8, 7.1]	0.0		1.7	[0.8, 3.6]	100.0
Pearson: Uncorrected chi2(15) =	64.5738												
Design-based F(12.86, 39131.00) =	2.6301	Pr =	0.001										
<b>FPL category</b>													
0-35% (n=1,215)	24.7	[21.7, 27.9]	62.1	[58.6, 65.5]	5.6	[4.1, 7.5]	3.9	[2.7, 5.6]	1.0	[0.4, 2.4]	2.7	[1.8, 4.0]	100.0
36-99% (n=1,083)	22.3	[19.5, 25.5]	65.8	[62.3, 69.1]	5.4	[4.1, 7.2]	3.6	[2.5, 5.2]	0.7	[0.3, 2.0]	2.1	[1.4, 3.2]	100.0
100%+ (n=795)	21.4	[18.1, 25.2]	67.9	[63.9, 71.7]	5.1	[3.6, 7.1]	4.1	[2.8, 6.0]	0.1	[0.0, 0.9]	1.4	[0.8, 2.6]	100.0
Pearson: Uncorrected chi2(10) =	13.9504												
Design-based F(9.12, 28091.37) =	1.0694	Pr =	0.382										
<b>Region</b>													
UP/NW/NE (n=574)	25.3	[21.4, 29.6]	65.3	[60.7, 69.5]	4.1	[2.7, 6.1]	2.7	[1.6, 4.6]	0.0		2.6	[1.6, 4.3]	100.0
W/E Central/E (n=978)	22.3	[19.3, 25.6]	64.7	[61.1, 68.2]	6.5	[4.8, 8.7]	3.5	[2.4, 5.1]	0.7	[0.3, 1.7]	2.3	[1.5, 3.5]	100.0
S Central/SW/SE (n=631)	24.1	[20.6, 28.1]	65.9	[61.5, 70.0]	3.9	[2.6, 5.9]	3.3	[1.9, 5.5]	0.2	[0.1, 0.9]	2.6	[1.5, 4.2]	100.0
Detroit Metro (n=910)	23.4	[20.0, 27.2]	63.1	[59.0, 67.0]	5.7	[4.1, 7.9]	4.5	[3.1, 6.6]	1.2	[0.5, 2.9]	2.1	[1.2, 3.5]	100.0
Pearson: Uncorrected chi2(15) =	18.9476												
Design-based F(11.88, 36613.96) =	0.9719	Pr =	0.473										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,467)	23.7	[21.5, 26.0]	64.3	[61.8, 66.8]	4.8	[3.8, 6.1]	3.9	[3.0, 5.0]	1.0	[0.5, 1.9]	2.3	[1.7, 3.0]	100.0
No (n=626)	22.3	[18.5, 26.7]	64.2	[59.3, 68.8]	7.5	[5.3, 10.4]	3.6	[2.0, 6.5]	0.1	[0.0, 0.6]	2.3	[1.2, 4.3]	100.0
Pearson: Uncorrected chi2(5) =	13.0988												
Design-based F(4.57, 14072.44) =	1.6195	Pr =	0.157										
<b>Total (n=3,093)</b>	23.4	[21.5, 25.4]	64.3	[62.1, 66.5]	5.4	[4.5, 6.6]	3.8	[3.0, 4.9]	0.8	[0.4, 1.5]	2.3	[1.7, 3.0]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.24 Q: Many people on Medicaid do not want other people to know.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,386)	8.0	[6.7, 9.5]	33.2	[30.9, 35.7]	18.0	[16.0, 20.1]	25.1	[22.8, 27.5]	1.9	[1.3, 2.8]	13.8	[12.0, 15.8]	100.0
No longer enrolled (n=706)	6.5	[4.7, 9.0]	37.8	[33.3, 42.4]	17.8	[14.6, 21.4]	30.2	[26.2, 34.6]	4.3	[2.5, 7.4]	3.4	[2.1, 5.4]	100.0
Pearson: Uncorrected chi2(5) =	75.3384												
Design-based F(4.86, 14974.37) =	9.1644	Pr =	0.000										
<b>Age</b>													
19-34 (n=907)	5.5	[4.0, 7.5]	30.8	[27.1, 34.8]	22.7	[19.5, 26.2]	30.0	[26.3, 33.9]	3.6	[2.3, 5.6]	7.4	[5.5, 10.1]	100.0
35-50 (n=967)	8.9	[6.9, 11.6]	32.5	[29.1, 36.2]	15.0	[12.3, 18.1]	27.5	[24.1, 31.2]	2.4	[1.4, 4.2]	13.6	[10.9, 16.8]	100.0
51-64 (n=1,218)	8.9	[7.2, 11.1]	41.0	[37.6, 44.4]	15.1	[12.8, 17.8]	19.9	[17.3, 22.8]	1.1	[0.6, 2.1]	13.9	[11.6, 16.5]	100.0
Pearson: Uncorrected chi2(10) =	108.1219												
Design-based F(9.51, 29303.03) =	6.6766	Pr =	0.000										
<b>Gender</b>													
Male (n=1,227)	7.1	[5.6, 9.0]	33.4	[30.2, 36.9]	19.3	[16.7, 22.3]	25.1	[22.0, 28.3]	2.4	[1.5, 3.9]	12.7	[10.4, 15.4]	100.0
Female (n=1,865)	8.1	[6.6, 9.9]	35.1	[32.4, 37.7]	16.7	[14.6, 18.9]	27.4	[24.8, 30.1]	2.6	[1.7, 3.9]	10.2	[8.6, 12.1]	100.0
Pearson: Uncorrected chi2(5) =	10.2767												
Design-based F(4.96, 15272.53) =	1.1779	Pr =	0.317										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,056)	9.9	[8.3, 11.7]	39.8	[37.1, 42.5]	20.3	[18.1, 22.8]	20.1	[17.9, 22.5]	1.5	[0.9, 2.4]	8.5	[7.1, 10.0]	100.0
Black, non-Hispanic (n=633)	4.4	[2.8, 7.0]	24.7	[20.7, 29.2]	12.7	[10.0, 16.0]	37.9	[33.3, 42.7]	4.7	[3.0, 7.4]	15.6	[12.1, 19.7]	100.0
Hispanic (n=137)	4.7	[2.4, 9.2]	26.8	[19.2, 36.2]	15.6	[10.0, 23.5]	36.4	[26.8, 47.3]	3.9	[1.0, 14.2]	12.5	[7.6, 19.9]	100.0
Other, non-Hispanic (n=227)	5.0	[2.6, 9.3]	29.7	[23.1, 37.2]	19.0	[13.5, 26.2]	26.1	[19.7, 33.8]	1.4	[0.5, 3.7]	18.7	[12.6, 26.9]	100.0
Pearson: Uncorrected chi2(15) =	226.8797												
Design-based F(13.91, 42309.93) =	8.8742	Pr =	0.000										
<b>FPL category</b>													
0-35% (n=1,216)	7.8	[6.2, 9.9]	31.7	[28.5, 35.1]	16.3	[13.9, 19.2]	28.2	[25.1, 31.6]	3.1	[2.1, 4.7]	12.8	[10.5, 15.4]	100.0
36-99% (n=1,082)	7.4	[5.9, 9.4]	36.1	[32.9, 39.5]	21.5	[18.5, 24.8]	23.6	[20.7, 26.8]	1.6	[0.9, 2.9]	9.7	[7.6, 12.2]	100.0
100%+ (n=794)	7.4	[5.5, 10.0]	38.6	[34.7, 42.6]	17.0	[14.3, 20.2]	24.9	[21.4, 28.7]	2.0	[1.0, 3.9]	10.1	[7.9, 12.8]	100.0
Pearson: Uncorrected chi2(10) =	32.8872												
Design-based F(9.65, 29717.89) =	2.3708	Pr =	0.009										
<b>Region</b>													
UP/NW/NE (n=574)	6.4	[4.5, 9.0]	48.0	[43.4, 52.7]	18.7	[15.4, 22.6]	17.4	[14.0, 21.5]	0.8	[0.3, 2.0]	8.7	[6.4, 11.6]	100.0
W/E Central/E (n=979)	7.7	[6.0, 9.9]	38.6	[35.1, 42.2]	20.2	[17.4, 23.4]	23.7	[20.7, 26.9]	0.8	[0.4, 1.9]	8.9	[7.2, 11.1]	100.0
S Central/SW/SE (n=633)	9.0	[6.9, 11.7]	35.3	[30.9, 40.0]	18.9	[15.6, 22.7]	23.6	[20.0, 27.6]	2.3	[1.2, 4.5]	10.9	[8.4, 14.0]	100.0
Detroit Metro (n=906)	7.3	[5.4, 9.7]	27.9	[24.4, 31.7]	15.7	[12.9, 19.0]	31.1	[27.4, 35.1]	4.1	[2.8, 6.1]	13.8	[11.2, 17.1]	100.0
Pearson: Uncorrected chi2(15) =	110.8329												
Design-based F(13.05, 40204.10) =	5.9557	Pr =	0.000										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,466)	7.8	[6.6, 9.2]	34.7	[32.4, 37.1]	16.0	[14.2, 18.0]	27.0	[24.7, 29.3]	2.4	[1.7, 3.5]	12.1	[10.4, 13.9]	100.0
No (n=626)	7.2	[5.0, 10.2]	32.8	[28.4, 37.6]	24.2	[20.3, 28.5]	24.0	[20.0, 28.6]	2.8	[1.5, 5.1]	9.0	[6.6, 12.2]	100.0
Pearson: Uncorrected chi2(5) =	27.8323												
Design-based F(4.98, 15338.16) =	3.0719	Pr =	0.009										
<b>Total (n=3,092)</b>	<b>7.6</b>	<b>[6.6, 8.9]</b>	<b>34.3</b>	<b>[32.2, 36.4]</b>	<b>17.9</b>	<b>[16.2, 19.7]</b>	<b>26.3</b>	<b>[24.3, 28.4]</b>	<b>2.5</b>	<b>[1.8, 3.4]</b>	<b>11.4</b>	<b>[10.0, 13.0]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

## 2.25 Q: A lot of people in this country don't respect those on Medicaid.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Strongly agree		Agree		People don't respect those on Medicaid				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	95%CI	Disagree	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,384)	10.6	[9.1, 12.3]	37.8	[35.3, 40.3]	16.0	[14.1, 18.0]	22.8	[20.7, 25.1]	2.6	[1.8, 3.7]	10.2	[8.7, 12.0]	100.0
No longer enrolled (n=708)	9.1	[7.0, 11.8]	44.0	[39.4, 48.6]	17.1	[13.8, 20.8]	23.3	[19.7, 27.3]	2.8	[1.1, 6.7]	3.8	[2.4, 5.9]	100.0
Pearson: Uncorrected chi2(5) = Design-based F(4.10, 12641.14) =	33.3869 3.4137		Pr =	0.008									
<b>Age</b>													
19-34 (n=908)	10.4	[8.1, 13.1]	33.8	[30.1, 37.8]	18.8	[16.0, 21.9]	26.8	[23.3, 30.6]	3.9	[2.3, 6.5]	6.3	[4.4, 9.1]	100.0
35-50 (n=966)	9.8	[7.9, 12.1]	40.2	[36.4, 44.1]	15.3	[12.4, 18.6]	23.6	[20.4, 27.1]	2.3	[1.3, 3.9]	8.9	[6.6, 11.7]	100.0
51-64 (n=1,218)	10.7	[8.7, 13.0]	45.2	[41.8, 48.6]	14.0	[11.7, 16.5]	17.0	[14.6, 19.7]	1.5	[0.7, 3.0]	11.7	[9.7, 14.1]	100.0
Pearson: Uncorrected chi2(10) = Design-based F(9.39, 28919.11) =	75.2982 4.2699		Pr =	0.000									
<b>Gender</b>													
Male (n=1,229)	8.7	[7.1, 10.7]	36.3	[32.9, 39.8]	17.2	[14.7, 20.1]	24.6	[21.7, 27.8]	3.4	[2.1, 5.5]	9.8	[7.8, 12.3]	100.0
Female (n=1,863)	11.6	[9.9, 13.6]	41.8	[39.1, 44.7]	15.4	[13.4, 17.5]	21.4	[19.1, 23.9]	2.0	[1.2, 3.3]	7.8	[6.3, 9.6]	100.0
Pearson: Uncorrected chi2(5) = Design-based F(4.83, 14884.60) =	26.2224 2.8390		Pr =	0.016									
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,056)	12.9	[11.1, 14.9]	44.1	[41.3, 46.9]	18.0	[15.9, 20.4]	17.5	[15.5, 19.7]	1.5	[0.9, 2.6]	6.0	[4.9, 7.2]	100.0
Black, non-Hispanic (n=633)	6.8	[4.9, 9.3]	30.0	[25.8, 34.5]	12.4	[9.7, 15.8]	33.2	[28.7, 38.0]	5.0	[2.9, 8.3]	12.6	[9.4, 16.7]	100.0
Hispanic (n=137)	6.3	[3.1, 12.4]	41.6	[32.1, 51.9]	13.8	[8.7, 21.2]	25.5	[17.3, 35.9]	1.5	[0.3, 7.1]	11.2	[6.0, 20.1]	100.0
Other, non-Hispanic (n=227)	5.5	[3.0, 9.9]	33.2	[26.3, 41.0]	16.3	[11.1, 23.3]	27.2	[21.0, 34.4]	3.8	[1.2, 11.8]	13.9	[8.6, 21.8]	100.0
Pearson: Uncorrected chi2(15) = Design-based F(13.68, 41605.08) =	203.7631 7.3842		Pr =	0.000									
<b>FPL category</b>													
0-35% (n=1,217)	10.7	[8.8, 13.0]	37.0	[33.7, 40.5]	15.5	[13.0, 18.4]	23.2	[20.3, 26.3]	3.4	[2.1, 5.5]	10.1	[8.1, 12.5]	100.0
36-99% (n=1,081)	10.1	[8.2, 12.2]	41.4	[37.9, 44.9]	16.7	[14.2, 19.5]	22.8	[19.9, 26.0]	1.8	[1.1, 3.0]	7.2	[5.3, 9.8]	100.0
100%+ (n=794)	9.4	[7.3, 11.9]	42.0	[38.0, 46.0]	17.4	[14.6, 20.6]	22.4	[19.1, 26.1]	1.8	[0.9, 3.3]	7.1	[5.3, 9.4]	100.0
Pearson: Uncorrected chi2(10) = Design-based F(9.50, 29267.24) =	21.9595 1.5964		Pr =	0.105									
<b>Region</b>													
UP/NW/NE (n=574)	10.6	[8.0, 14.0]	47.8	[43.2, 52.5]	16.1	[13.1, 19.6]	17.0	[13.7, 20.9]	0.8	[0.3, 2.3]	7.7	[5.5, 10.7]	100.0
W/E Central/E (n=978)	9.9	[8.0, 12.2]	44.3	[40.7, 47.9]	17.9	[15.3, 20.9]	19.7	[16.9, 22.7]	1.8	[1.0, 3.0]	6.5	[5.0, 8.3]	100.0
S Central/SW/SE (n=633)	10.6	[8.3, 13.4]	43.1	[38.6, 47.7]	17.3	[14.0, 21.3]	18.7	[15.5, 22.3]	2.5	[1.2, 5.2]	7.9	[5.7, 10.8]	100.0
Detroit Metro (n=907)	10.3	[8.1, 13.0]	32.2	[28.5, 36.2]	14.6	[11.9, 17.8]	28.3	[24.8, 32.1]	3.7	[2.2, 6.2]	10.9	[8.4, 13.9]	100.0
Pearson: Uncorrected chi2(15) = Design-based F(12.87, 39642.04) =	89.8225 4.5653		Pr =	0.000									
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,467)	11.0	[9.6, 12.7]	39.5	[37.1, 42.0]	14.9	[13.1, 16.8]	23.3	[21.2, 25.6]	2.3	[1.5, 3.4]	8.9	[7.5, 10.6]	100.0
No (n=625)	7.7	[5.6, 10.3]	38.2	[33.5, 43.1]	20.6	[17.1, 24.7]	21.6	[18.0, 25.8]	3.9	[2.0, 7.6]	8.0	[5.5, 11.4]	100.0
Pearson: Uncorrected chi2(5) = Design-based F(4.61, 14190.55) =	24.0349 2.4237		Pr =	0.038									
<b>Total (n=3,092)</b>	10.3	[9.0, 11.7]	39.2	[37.1, 41.4]	16.2	[14.6, 18.0]	22.9	[21.0, 24.9]	2.7	[1.9, 3.8]	8.7	[7.5, 10.2]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.26 Q: There should be a limit on how long someone can be covered by Medicaid.

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Strongly agree		Agree		There should be a limit on the length of Medicaid coverage				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	Disagree	Disagree	Disagree	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,386)	1.1	[0.7, 1.7]	12.2	[10.6, 14.1]	12.8	[11.2, 14.6]	53.3	[50.7, 55.9]	15.6	[13.7, 17.8]	4.9	[3.8, 6.3]	100.0
No longer enrolled (n=708)	1.3	[0.7, 2.5]	13.8	[11.0, 17.1]	11.3	[8.7, 14.5]	58.6	[53.9, 63.1]	12.7	[9.4, 16.8]	2.4	[1.2, 4.6]	100.0
Pearson: Uncorrected chi2(5) = Design-based F(4.70, 14496.71) =	16.9123 2.0050		Pr =	0.079									
<b>Age</b>													
19-34 (n=909)	1.3	[0.7, 2.3]	12.1	[9.6, 15.1]	13.5	[11.1, 16.3]	53.6	[49.4, 57.7]	16.6	[13.6, 20.3]	2.9	[1.6, 5.2]	100.0
35-50 (n=968)	0.9	[0.4, 2.0]	12.1	[9.8, 15.0]	12.1	[9.8, 14.9]	55.7	[51.6, 59.6]	14.4	[11.6, 17.7]	4.8	[3.2, 7.2]	100.0
51-64 (n=1,217)	1.2	[0.7, 2.1]	13.8	[11.5, 16.5]	11.4	[9.5, 13.8]	54.5	[51.1, 57.9]	13.4	[11.3, 15.9]	5.6	[4.2, 7.4]	100.0
Pearson: Uncorrected chi2(10) = Design-based F(9.10, 28046.56) =	17.6274 1.0474		Pr =	0.399									
<b>Gender</b>													
Male (n=1,229)	1.5	[0.9, 2.4]	12.8	[10.7, 15.3]	12.7	[10.5, 15.2]	51.4	[47.8, 55.0]	16.6	[13.9, 19.9]	5.0	[3.6, 7.0]	100.0
Female (n=1,865)	0.8	[0.5, 1.4]	12.4	[10.5, 14.6]	12.3	[10.6, 14.1]	57.3	[54.5, 60.2]	13.5	[11.6, 15.6]	3.7	[2.6, 5.2]	100.0
Pearson: Uncorrected chi2(5) = Design-based F(4.82, 14868.15) =	15.9389 1.9018		Pr =	0.093									
<b>Race/ethnicity</b>													
White, non-Hispanic (n=2,056)	1.2	[0.7, 1.9]	12.6	[10.8, 14.6]	15.5	[13.6, 17.6]	53.9	[51.1, 56.7]	13.8	[11.9, 15.9]	3.0	[2.2, 4.1]	100.0
Black, non-Hispanic (n=634)	1.1	[0.6, 2.0]	11.5	[8.6, 15.4]	5.9	[4.1, 8.3]	58.0	[53.0, 62.9]	17.9	[14.0, 22.6]	5.6	[3.6, 8.7]	100.0
Hispanic (n=137)	2.0	[0.5, 6.9]	17.4	[11.6, 25.2]	13.2	[7.0, 23.4]	47.9	[37.9, 58.0]	12.5	[7.3, 20.6]	7.1	[2.9, 16.5]	100.0
Other, non-Hispanic (n=228)	0.3	[0.0, 2.3]	13.1	[8.7, 19.1]	9.8	[6.1, 15.3]	52.5	[44.3, 60.4]	16.7	[11.2, 24.3]	7.7	[3.7, 15.3]	100.0
Pearson: Uncorrected chi2(15) = Design-based F(13.76, 41871.61) =	80.9748 3.0637		Pr =	0.000									
<b>FPL category</b>													
0-35% (n=1,218)	1.1	[0.7, 1.9]	12.5	[10.2, 15.1]	10.9	[8.9, 13.2]	53.1	[49.5, 56.6]	17.4	[14.7, 20.5]	5.1	[3.7, 7.0]	100.0
36-99% (n=1,082)	1.4	[0.7, 2.8]	13.5	[11.3, 16.1]	12.7	[10.6, 15.2]	55.5	[51.9, 59.1]	12.4	[10.1, 15.1]	4.4	[2.8, 6.9]	100.0
100%+ (n=794)	0.7	[0.3, 1.7]	11.6	[9.3, 14.4]	16.3	[13.3, 19.7]	57.2	[53.1, 61.2]	12.1	[9.7, 14.9]	2.2	[1.4, 3.5]	100.0
Pearson: Uncorrected chi2(10) = Design-based F(9.26, 28536.21) =	37.2359 2.7483		Pr =	0.003									
<b>Region</b>													
UP/NW/NE (n=574)	1.0	[0.2, 4.2]	13.5	[10.6, 17.0]	13.5	[10.7, 16.8]	55.8	[51.2, 60.3]	12.4	[9.7, 15.7]	3.9	[2.5, 5.9]	100.0
W/E Central/E (n=979)	1.3	[0.7, 2.4]	11.6	[9.4, 14.2]	15.4	[13.0, 18.2]	56.9	[53.3, 60.4]	11.7	[9.6, 14.1]	3.1	[2.1, 4.6]	100.0
S Central/SW/SE (n=631)	1.1	[0.5, 2.3]	12.6	[9.9, 16.0]	12.8	[10.1, 16.2]	54.6	[50.0, 59.1]	15.6	[12.5, 19.3]	3.2	[2.1, 4.9]	100.0
Detroit Metro (n=910)	1.0	[0.5, 1.9]	13.1	[10.5, 16.2]	10.0	[7.9, 12.7]	52.7	[48.5, 56.8]	17.5	[14.3, 21.2]	5.7	[3.9, 8.3]	100.0
Pearson: Uncorrected chi2(15) = Design-based F(13.16, 40558.68) =	41.4029 2.2164		Pr =	0.007									
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=2,467)	0.9	[0.6, 1.5]	12.9	[11.2, 14.8]	12.0	[10.5, 13.7]	54.9	[52.3, 57.4]	14.7	[12.9, 16.8]	4.5	[3.5, 5.9]	100.0
No (n=627)	1.7	[1.0, 3.2]	11.5	[8.9, 14.8]	13.9	[11.0, 17.2]	53.6	[48.6, 58.4]	15.7	[12.0, 20.2]	3.6	[2.1, 6.0]	100.0
Pearson: Uncorrected chi2(5) = Design-based F(4.79, 14765.84) =	7.0975 0.8368		Pr =	0.519									
<b>Total (n=3,094)</b>	1.1	[0.8, 1.6]	12.6	[11.1, 14.2]	12.5	[11.1, 14.0]	54.6	[52.3, 56.8]	15.0	[13.3, 16.8]	4.3	[3.4, 5.5]	100.0

Note: Total count is less than universe count due to item non-response.

## 2.27 Q: Many people are treated poorly when they are applying for Medicaid.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Strongly agree		Agree		People are treated poorly when applying for Medicaid				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	Disagree	Disagree	Disagree	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=708)	7.5	[5.6, 10.2]	33.1	[28.8, 37.8]	15.6	[12.6, 19.2]	33.4	[29.2, 37.9]	6.3	[4.3, 9.1]	4.0	[2.7, 6.0]	100.0
Pearson: Uncorrected chi2(0) =	.												
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=245)	9.0	[5.6, 14.3]	27.7	[20.8, 35.9]	17.9	[13.0, 24.1]	35.1	[27.9, 43.0]	8.4	[4.7, 14.5]	1.9	[0.8, 4.4]	100.0
35-50 (n=208)	6.9	[4.0, 11.6]	40.6	[32.9, 48.7]	12.5	[7.7, 19.7]	30.3	[23.9, 37.6]	3.5	[1.6, 7.2]	6.3	[3.1, 12.3]	100.0
51-64 (n=255)	6.0	[3.6, 9.9]	33.2	[26.3, 41.0]	15.5	[11.0, 21.4]	34.4	[27.4, 42.1]	6.1	[3.3, 11.1]	4.8	[2.8, 8.0]	100.0
Pearson: Uncorrected chi2(10) =	22.6074												
Design-based F(9.50, 6610.52) =	1.6634	Pr =	0.087										
<b>Gender</b>													
Male (n=297)	7.3	[4.7, 11.1]	34.4	[27.6, 41.9]	15.2	[10.9, 20.7]	31.8	[25.5, 38.9]	7.0	[4.0, 11.9]	4.3	[2.3, 7.8]	100.0
Female (n=411)	7.8	[5.1, 11.8]	31.9	[26.8, 37.4]	16.0	[12.1, 20.9]	35.0	[29.8, 40.7]	5.6	[3.3, 9.3]	3.7	[2.2, 6.3]	100.0
Pearson: Uncorrected chi2(5) =	1.7433												
Design-based F(4.93, 3434.58) =	0.2320	Pr =	0.947										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=455)	8.2	[5.7, 11.4]	32.0	[26.5, 38.0]	16.9	[13.1, 21.6]	31.6	[26.6, 37.0]	6.3	[3.9, 10.1]	5.1	[3.2, 8.0]	100.0
Black, non-Hispanic (n=155)	5.3	[2.7, 10.2]	35.8	[27.0, 45.6]	12.2	[7.4, 19.5]	37.7	[28.6, 47.8]	6.1	[2.6, 13.5]	2.9	[1.0, 8.4]	100.0
Hispanic (n=37)	12.1	[2.5, 42.8]	28.6	[15.4, 46.8]	9.6	[3.2, 25.3]	37.6	[21.7, 56.8]	8.9	[2.1, 31.0]	3.2	[1.0, 9.9]	100.0
Other, non-Hispanic (n=52)	8.7	[3.0, 22.5]	36.8	[22.8, 53.3]	21.9	[10.5, 40.1]	27.5	[15.8, 43.4]	3.9	[0.9, 16.3]	1.2	[0.3, 4.8]	100.0
Pearson: Uncorrected chi2(15) =	13.9484												
Design-based F(12.98, 8919.91) =	0.6189	Pr =	0.840										
<b>FPL category</b>													
0-35% (n=217)	6.0	[3.2, 11.0]	37.4	[29.5, 46.1]	14.0	[9.0, 21.3]	29.6	[22.6, 37.7]	9.9	[5.9, 16.3]	3.0	[1.3, 6.7]	100.0
36-99% (n=259)	8.4	[5.3, 13.1]	29.6	[23.6, 36.5]	16.8	[12.4, 22.2]	36.2	[29.6, 43.3]	4.7	[2.4, 8.9]	4.3	[2.1, 8.7]	100.0
100%+ (n=232)	8.8	[5.4, 14.1]	30.8	[23.9, 38.7]	16.6	[11.9, 22.6]	36.0	[28.9, 43.8]	2.6	[1.1, 6.0]	5.2	[2.8, 9.3]	100.0
Pearson: Uncorrected chi2(10) =	19.7012												
Design-based F(9.56, 6651.37) =	1.4268	Pr =	0.165										
<b>Region</b>													
UP/NW/NE (n=124)	3.1	[1.1, 8.3]	21.6	[14.8, 30.4]	21.6	[14.6, 30.7]	36.9	[27.8, 46.9]	7.8	[3.5, 16.3]	9.1	[4.9, 16.1]	100.0
W/E Central/E (n=202)	5.6	[2.9, 10.4]	29.5	[22.6, 37.5]	15.5	[10.7, 22.0]	38.8	[31.4, 46.9]	3.5	[1.8, 6.9]	7.0	[3.7, 12.7]	100.0
S Central/SW/SE (n=169)	12.0	[7.7, 18.3]	30.4	[21.9, 40.5]	18.2	[12.0, 26.5]	30.5	[22.8, 39.4]	6.3	[3.1, 12.4]	2.6	[1.0, 6.5]	100.0
Detroit Metro (n=213)	7.4	[4.2, 12.7]	40.0	[32.1, 48.5]	12.8	[8.1, 19.5]	30.4	[23.2, 38.7]	7.9	[4.1, 14.6]	1.5	[0.4, 5.4]	100.0
Pearson: Uncorrected chi2(15) =	38.9119												
Design-based F(13.26, 9229.23) =	2.0801	Pr =	0.012										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=538)	6.9	[4.8, 9.7]	34.3	[29.4, 39.5]	13.5	[10.5, 17.1]	34.8	[30.0, 40.1]	6.7	[4.4, 10.1]	3.8	[2.4, 6.2]	100.0
No (n=170)	9.2	[5.1, 16.1]	30.2	[21.6, 40.6]	21.0	[14.2, 29.9]	29.9	[22.3, 38.7]	5.3	[2.2, 12.3]	4.4	[2.0, 9.5]	100.0
Pearson: Uncorrected chi2(5) =	8.6170												
Design-based F(4.87, 3391.54) =	0.9971	Pr =	0.417										
<b>Total (n=708)</b>	7.5	[5.6, 10.2]	33.1	[28.8, 37.8]	15.6	[12.6, 19.2]	33.4	[29.2, 37.9]	6.3	[4.3, 9.1]	4.0	[2.7, 6.0]	100.0

Note: Total count is less than universe count due to item non-response.

- 3 Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.**

### 3.1 Q: In the last 12 months, was there any time when you didn't get the health care you needed?

Follow-up group(s): Still enrolled

Universe: All respondents

	Forgone health care in last 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	7.8	[6.5, 9.2]	92.1	[90.6, 93.4]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=663)	6.7	[4.7, 9.5]	93.2	[90.4, 95.2]	0.1	[0.0, 0.6]	100.0
35-50 (n=760)	8.2	[6.1, 10.9]	91.8	[89.1, 93.8]	0.0	[0.0, 0.3]	100.0
51-64 (n=964)	8.6	[6.6, 11.0]	91.1	[88.6, 93.1]	0.3	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(4) =	4.0482						
Design-based F(3.31, 7852.03) =	0.9018	Pr =	0.447				
<b>Gender</b>							
Male (n=933)	7.7	[5.9, 10.0]	92.1	[89.8, 94.0]	0.1	[0.0, 0.9]	100.0
Female (n=1,454)	7.8	[6.2, 9.8]	92.1	[90.1, 93.7]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(2) =	0.0075						
Design-based F(1.91, 4545.25) =	0.0028	Pr =	0.996				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	7.9	[6.4, 9.8]	91.9	[90.1, 93.5]	0.1	[0.0, 0.6]	100.0
Black, non-Hispanic (n=478)	7.4	[5.0, 11.0]	92.5	[88.9, 95.0]	0.1	[0.0, 0.7]	100.0
Hispanic (n=100)	6.0	[2.5, 14.1]	93.6	[85.7, 97.3]	0.4	[0.1, 2.6]	100.0
Other, non-Hispanic (n=176)	8.1	[4.7, 13.7]	91.9	[86.3, 95.3]	0.0		100.0
Pearson: Uncorrected chi2(6) =	1.4664						
Design-based F(5.01, 11753.32) =	0.2116	Pr =	0.958				
<b>FPL category</b>							
0-35% (n=1,001)	9.3	[7.4, 11.7]	90.6	[88.2, 92.5]	0.1	[0.0, 0.7]	100.0
36-99% (n=823)	5.0	[3.6, 6.9]	95.0	[93.1, 96.4]	0.0		100.0
100%+ (n=563)	7.0	[4.7, 10.2]	92.6	[89.4, 94.9]	0.4	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(4) =	15.0294						
Design-based F(3.69, 8752.25) =	3.4049	Pr =	0.011				
<b>Region</b>							
UP/NW/NE (n=450)	9.4	[6.6, 13.1]	90.6	[86.9, 93.4]	0.0		100.0
W/E Central/E (n=777)	7.3	[5.3, 9.9]	92.4	[89.8, 94.4]	0.3	[0.1, 1.3]	100.0
S Central/SW/SE (n=463)	10.0	[7.3, 13.6]	90.0	[86.4, 92.7]	0.0		100.0
Detroit Metro (n=697)	6.9	[4.9, 9.5]	93.0	[90.4, 95.0]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(6) =	7.4515						
Design-based F(4.57, 10861.76) =	1.3061	Pr =	0.261				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	9.1	[7.6, 10.9]	90.7	[88.9, 92.2]	0.2	[0.1, 0.5]	100.0
No (n=456)	2.8	[1.6, 4.8]	97.2	[95.2, 98.4]	0.0		100.0
Pearson: Uncorrected chi2(2) =	24.0505						
Design-based F(1.97, 4667.64) =	10.8654	Pr =	0.000				
<b>Total (n=2,387)</b>	<b>7.8</b>	<b>[6.5, 9.2]</b>	<b>92.1</b>	<b>[90.6, 93.4]</b>	<b>0.1</b>	<b>[0.0, 0.4]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 3.1.1 Q: What type of care?

Follow-up group(s): Still enrolled

Universe: Respondents who did not receive health care they needed in the last 12 months (n = 184)

Type of foregone care	Weighted Proportion	95%CI
Primary care (n=74)	43.2	[34.6, 52.2]
Specialty care (n=54)	28.3	[20.7, 37.2]
Prescription medication (n=34)	20.5	[14.1, 28.8]
Mental health care (n=13)	9.2	[4.8, 17.0]
Lab/imaging test (n=8)	4.3	[2.0, 8.8]
Support services (n=6)	3.2	[1.3, 8.1]
Surgery or procedure (n=7)	2.3	[1.0, 5.0]
Other (n=5)	2.2	[0.9, 5.3]
Don't know (n=1)	0.3	[0.0, 1.8]

Note: Respondents were able to provide multiple responses

#### 3.1.1.1 Q: Why didn't you get the care you needed?

Follow-up group(s): Still enrolled

Universe: Respondents who did not receive health care they needed in the last 12 months (n = 184)

	Reasons for forgone health care in last 12 months					
	Other		Difficulty getting appointment		Needed a service that wasn't covered	
	Percent	95%CI	Percent	95%CI	Percent	95%CI
Any missed care (n=184)	36.3	[28.0, 45.5]	25.7	[18.7, 34.2]	15.5	[10.2, 22.8]
Primary care (n=74)	38.6	[25.2, 53.9]	37.6	[25.6, 51.3]	2.6	[0.6, 10.4]
Specialty care (n=54)	29.1		16.8		13.8	
Prescription medications (n=34)	37.2		16.3		31.1	
Mental health care (n=13)	58.9		0.0		35.4	

Note: Respondents were able to provide multiple responses

	Reasons for forgone health care in last 12 months							
	Transportation/logistics		Difficulty/inability finding a provider		No insurance coverage		Cost	
	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI
Any missed care (n=184)	10.1	[5.4, 18.0]	9.3	[5.4, 15.7]	3.5	[1.5, 8.2]	0.7	[0.2, 2.2]
Primary care (n=74)	11.6	[4.3, 27.4]	8.4	[3.3, 19.8]	2.6	[0.5, 13.0]	0.0	
Specialty care (n=54)	17.3		16.8		1.5		1.7	
Prescription medications (n=34)	3.7		6.1		7.7		1.1	
Mental health care (n=13)	2.8		7.4		14.3	0.0		

Note: Respondents were able to provide multiple responses

### 3.2 Q: In the last 12 months, was there any time when you didn't get the dental care you needed?

Follow-up group(s): Still enrolled

Universe: All respondents

	Forgone dental care in the last 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,386)	16.4	[14.7, 18.3]	83.3	[81.4, 85.1]	0.2	[0.1, 0.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	17.0	[13.9, 20.7]	82.6	[78.9, 85.8]	0.3	[0.1, 1.0]	100.0
35-50 (n=758)	16.4	[13.5, 19.7]	83.4	[80.0, 86.2]	0.3	[0.1, 1.1]	100.0
51-64 (n=964)	15.8	[13.2, 18.8]	84.2	[81.2, 86.8]	0.0		100.0
Pearson: Uncorrected chi2(4) =	2.5582						
Design-based F(3.82, 9068.10) =	0.5138	Pr =	0.717				
<b>Gender</b>							
Male (n=932)	12.8	[10.5, 15.4]	87.0	[84.4, 89.3]	0.2	[0.0, 0.8]	100.0
Female (n=1,454)	19.6	[17.1, 22.3]	80.2	[77.4, 82.7]	0.2	[0.1, 0.7]	100.0
Pearson: Uncorrected chi2(2) =	19.9782						
Design-based F(1.94, 4595.32) =	7.8476	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,601)	17.4	[15.2, 19.9]	82.4	[79.9, 84.6]	0.2	[0.1, 0.6]	100.0
Black, non-Hispanic (n=479)	15.1	[11.8, 19.1]	84.6	[80.5, 87.9]	0.3	[0.1, 1.4]	100.0
Hispanic (n=100)	10.8	[5.8, 19.3]	89.2	[80.7, 94.2]	0.0		100.0
Other, non-Hispanic (n=176)	18.3	[12.5, 25.8]	81.7	[74.2, 87.5]	0.0		100.0
Pearson: Uncorrected chi2(6) =	5.9099						
Design-based F(5.74, 13462.39) =	0.7080	Pr =	0.637				
<b>FPL category</b>							
0-35% (n=999)	15.1	[12.6, 18.0]	84.6	[81.8, 87.1]	0.2	[0.1, 0.8]	100.0
36-99% (n=824)	17.4	[14.5, 20.6]	82.4	[79.1, 85.2]	0.3	[0.1, 1.2]	100.0
100%+ (n=563)	19.2	[15.8, 23.2]	80.8	[76.8, 84.2]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.5375						
Design-based F(3.87, 9181.39) =	1.2364	Pr =	0.293				
<b>Region</b>							
UP/NW/NE (n=450)	16.4	[12.5, 21.2]	83.3	[78.5, 87.2]	0.4	[0.0, 2.5]	100.0
W/E Central/E (n=776)	16.8	[13.8, 20.3]	83.2	[79.7, 86.2]	0.0		100.0
S Central/SW/SE (n=464)	19.5	[15.7, 23.9]	80.0	[75.5, 83.9]	0.5	[0.1, 2.1]	100.0
Detroit Metro (n=696)	15.0	[12.3, 18.3]	84.8	[81.5, 87.5]	0.2	[0.0, 0.8]	100.0
Pearson: Uncorrected chi2(6) =	7.9284						
Design-based F(5.62, 13337.71) =	1.1929	Pr =	0.308				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,929)	17.2	[15.2, 19.4]	82.6	[80.4, 84.6]	0.2	[0.1, 0.6]	100.0
No (n=457)	13.7	[10.4, 17.9]	86.1	[82.0, 89.5]	0.1	[0.0, 1.0]	100.0
Pearson: Uncorrected chi2(2) =	3.6988						
Design-based F(1.82, 4323.93) =	1.5546	Pr =	0.213				
<b>Total (n=2,386)</b>	16.4	[14.7, 18.3]	83.3	[81.4, 85.1]	0.2	[0.1, 0.5]	100.0

Note: Total count is less than universe count due to item non-response.

### 3.2.1 Q: Why didn't you get the dental care you needed?

*Follow-up group(s):* Still enrolled

*Universe:* Respondents who did not receive dental care they needed in the last 12 months (n = 399)

Reasons for forgone dental care	Weighted Proportion	95%CI
Needed a service that wasn't covered (n=108)	30.7	[25.2, 36.8]
Difficulty/inability finding a provider (n=93)	21.5	[17.2, 26.4]
Other (n=64)	16.8	[12.8, 21.7]
Cost (n=50)	13.1	[9.5, 17.9]
Difficulty getting appointment (n=34)	7.4	[5.2, 10.5]
Afraid of going to the dentist/dislike dentists (n=28)	7.4	[4.5, 11.9]
Transportation/logistics (n=36)	7.0	[4.9, 9.8]
No insurance coverage (n=27)	6.6	[4.3, 10.0]
Didn't realize HMP covered dental (n=10)	2.3	[1.2, 4.6]
Don't know (n=3)	0.4	[0.1, 1.4]

**Note:** Respondents were able to provide multiple responses

### 3.3 Q: In the last 12 months, about how much did you spend out-of-pocket for your own medical and dental care?

Follow-up group(s): Still enrolled

Universe: All respondents

	Less than \$50		\$51-100		\$101-500		Out-of-pocket costs in last 12 months				\$3,001-5,000		More than \$5,000		Don't know		Total Row%	
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI		
<b>Follow-up group</b>																		
Still enrolled (n=2,380)	65.7	[63.3, 68.1]	10.9	[9.5, 12.6]	16.6	[14.7, 18.6]	4.9	[3.9, 6.1]	0.4	[0.1, 1.2]	0.3	[0.1, 0.9]	0.4	[0.2, 1.0]	0.8	[0.5, 1.4]		100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		.		.		.		.	
Design-based F(., .) =	.		Pr =	.	.		.		.		.		.		.		.	
<b>Age</b>																		
19-34 (n=662)	66.2	[61.4, 70.6]	11.6	[8.9, 14.9]	15.0	[11.6, 19.2]	5.2	[3.7, 7.3]	0.2	[0.0, 0.8]	0.5	[0.1, 2.6]	0.1	[0.0, 0.4]	1.3	[0.6, 2.8]		100.0
35-50 (n=759)	65.0	[60.6, 69.1]	11.3	[8.8, 14.3]	16.0	[13.1, 19.5]	4.8	[3.1, 7.3]	0.8	[0.2, 3.4]	0.2	[0.1, 0.7]	1.0	[0.3, 2.7]	0.9	[0.4, 2.0]		100.0
51-64 (n=959)	66.0	[62.6, 69.3]	9.7	[7.8, 11.8]	19.1	[16.5, 22.0]	4.6	[3.3, 6.4]	0.2	[0.1, 0.6]	0.1	[0.0, 0.5]	0.1	[0.0, 0.6]	0.2	[0.0, 0.6]		100.0
Pearson: Uncorrected chi2(14) =	31.2292																	
Design-based F(11.73, 27787.45) =	1.8602		Pr =	0.035														
<b>Gender</b>																		
Male (n=931)	68.1	[64.2, 71.7]	11.3	[9.0, 14.0]	13.6	[11.1, 16.6]	5.1	[3.6, 7.3]	0.2	[0.1, 0.7]	0.4	[0.1, 2.0]	0.5	[0.2, 1.7]	0.8	[0.4, 1.7]		100.0
Female (n=1,449)	63.7	[60.5, 66.8]	10.6	[8.9, 12.7]	19.1	[16.5, 21.9]	4.7	[3.6, 6.1]	0.6	[0.2, 2.2]	0.2	[0.1, 0.5]	0.3	[0.1, 1.2]	0.8	[0.4, 1.8]		100.0
Pearson: Uncorrected chi2(7) =	16.3451																	
Design-based F(6.87, 16271.27) =	1.4489		Pr =	0.182														
<b>Race/ethnicity</b>																		
White, non-Hispanic (n=1,598)	59.8	[56.7, 62.8]	12.2	[10.4, 14.4]	20.3	[17.8, 23.0]	6.4	[5.0, 8.2]	0.1	[0.0, 0.4]	0.2	[0.1, 0.4]	0.3	[0.1, 1.1]	0.6	[0.3, 1.3]		100.0
Black, non-Hispanic (n=478)	80.1	[75.2, 84.3]	9.1	[6.3, 13.0]	8.5	[5.6, 12.6]	1.7	[0.9, 3.0]	0.2	[0.1, 0.9]	0.0		0.0		0.4	[0.1, 1.8]		100.0
Hispanic (n=100)	66.7	[54.6, 77.0]	9.1	[4.8, 16.7]	12.9	[7.5, 21.1]	2.6	[0.8, 8.1]	4.3	[0.6, 24.6]	0.0		1.7	[0.2, 11.2]	2.6	[0.5, 12.5]		100.0
Other, non-Hispanic (n=175)	61.1	[51.7, 69.7]	9.5	[5.5, 15.8]	18.2	[11.9, 26.8]	5.7	[2.8, 11.0]	0.8	[0.2, 3.4]	2.2	[0.4, 10.1]	1.3	[0.2, 8.6]	1.4	[0.4, 4.8]		100.0
Pearson: Uncorrected chi2(21) =	185.2278																	
Design-based F(18.02, 42143.39) =	5.3648		Pr =	0.000														
<b>FPL category</b>																		
0-35% (n=996)	76.4	[72.7, 79.8]	7.4	[5.5, 9.9]	11.6	[9.1, 14.6]	3.4	[2.2, 5.3]	0.4	[0.1, 2.3]	0.0		0.2	[0.0, 0.9]	0.6	[0.2, 1.5]		100.0
36-99% (n=822)	56.7	[52.6, 60.8]	15.8	[13.2, 18.9]	19.3	[16.0, 23.0]	4.8	[3.4, 6.7]	0.5	[0.2, 1.4]	1.0	[0.3, 3.2]	1.0	[0.3, 3.3]	0.8	[0.4, 2.0]		100.0
100%+ (n=562)	45.5	[40.7, 50.4]	14.8	[11.7, 18.5]	28.1	[24.2, 32.4]	9.6	[7.2, 12.7]	0.1	[0.0, 1.0]	0.2	[0.0, 1.3]	0.1	[0.0, 0.8]	1.5	[0.6, 3.9]		100.0
Pearson: Uncorrected chi2(14) =	202.2087																	
Design-based F(12.07, 28581.63) =	10.1917		Pr =	0.000														
<b>Region</b>																		
UP/NW/NE (n=447)	56.7	[51.5, 61.8]	13.6	[10.4, 17.8]	22.2	[18.2, 26.8]	4.7	[2.9, 7.7]	0.2	[0.1, 0.9]	0.5	[0.1, 1.5]	0.6	[0.2, 1.9]	1.4	[0.4, 5.0]		100.0
W/E Central/E (n=775)	65.3	[61.5, 68.9]	12.5	[10.3, 15.1]	17.5	[14.5, 20.8]	3.6	[2.5, 5.2]	0.1	[0.0, 0.5]	0.0		0.0		1.1	[0.4, 2.6]		100.0
S Central/SW/SE (n=462)	63.4	[58.5, 68.1]	11.4	[8.6, 14.9]	16.4	[13.1, 20.4]	6.5	[4.2, 10.1]	0.8	[0.3, 2.3]	0.4	[0.1, 1.5]	0.6	[0.1, 3.0]	0.4	[0.1, 1.3]		100.0
Detroit Metro (n=696)	68.8	[64.3, 72.9]	9.1	[6.7, 12.3]	14.8	[11.7, 18.6]	5.2	[3.6, 7.4]	0.5	[0.1, 3.0]	0.4	[0.1, 2.1]	0.5	[0.1, 2.0]	0.6	[0.2, 1.8]		100.0
Pearson: Uncorrected chi2(21) =	36.0227																	
Design-based F(15.47, 36625.95) =	1.3368		Pr =	0.167														
<b>Chronic condition (2016/2017 survey or DW)</b>																		
Yes (n=1,923)	67.2	[64.5, 69.8]	10.4	[8.9, 12.2]	16.1	[14.2, 18.3]	4.8	[3.8, 6.2]	0.4	[0.1, 1.5]	0.1	[0.0, 0.2]	0.5	[0.2, 1.3]	0.4	[0.2, 0.9]		100.0
No (n=457)	60.3	[54.5, 65.8]	12.8	[9.4, 17.0]	18.2	[13.8, 23.5]	5.1	[3.2, 8.0]	0.4	[0.1, 1.5]	1.0	[0.2, 4.0]	0.0		2.3	[1.1, 4.7]		100.0
Pearson: Uncorrected chi2(7) =	37.9860																	
Design-based F(6.70, 15859.76) =	3.4294		Pr =	0.001														
<b>Total (n=2,380)</b>	65.7	[63.3, 68.1]	10.9	[9.5, 12.6]	16.6	[14.7, 18.6]	4.9	[3.9, 6.1]	0.4	[0.1, 1.2]	0.3	[0.1, 0.9]	0.4	[0.2, 1.0]	0.8	[0.5, 1.4]		100.0

Note: Total count is less than universe count due to item non-response.

### 3.4 Q: Since your Healthy Michigan Plan insurance ended, have you had to change any of your providers?

Follow-up group(s): No longer enrolled

Universe: All respondents

	Changed providers since HMP coverage ended						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=708)	15.5	[12.6, 19.0]	83.1	[79.5, 86.2]	1.4	[0.6, 3.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=244)	15.5	[11.0, 21.3]	82.4	[76.2, 87.3]	2.1	[0.6, 6.5]	100.0
35-50 (n=209)	15.9	[10.8, 22.6]	83.2	[76.4, 88.3]	1.0	[0.2, 3.9]	100.0
51-64 (n=255)	15.1	[10.2, 21.8]	84.0	[77.3, 89.0]	0.9	[0.3, 2.5]	100.0
Pearson: Uncorrected chi2(4) =	1.5898						
Design-based F(3.72, 2588.08) =	0.3205	Pr =	0.851				
<b>Gender</b>							
Male (n=297)	12.6	[8.8, 17.9]	85.6	[80.1, 89.7]	1.8	[0.6, 4.8]	100.0
Female (n=411)	18.4	[14.3, 23.3]	80.6	[75.5, 84.8]	1.0	[0.3, 3.9]	100.0
Pearson: Uncorrected chi2(2) =	4.9624						
Design-based F(1.99, 1386.19) =	1.5390	Pr =	0.215				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=455)	16.2	[12.6, 20.6]	82.1	[77.5, 85.9]	1.7	[0.6, 4.4]	100.0
Black, non-Hispanic (n=154)	14.2	[8.7, 22.3]	85.8	[77.7, 91.3]	0.0		100.0
Hispanic (n=38)	17.2	[5.4, 42.8]	76.0	[52.1, 90.2]	6.8	[1.3, 28.6]	100.0
Other, non-Hispanic (n=52)	11.1	[4.9, 23.1]	88.1	[76.1, 94.5]	0.9	[0.1, 6.0]	100.0
Pearson: Uncorrected chi2(6) =	12.6527						
Design-based F(5.28, 3628.54) =	1.3874	Pr =	0.223				
<b>FPL category</b>							
0-35% (n=217)	12.8	[8.3, 19.2]	85.8	[79.2, 90.6]	1.4	[0.3, 5.7]	100.0
36-99% (n=259)	19.9	[14.8, 26.4]	78.8	[72.2, 84.1]	1.3	[0.4, 4.2]	100.0
100%+ (n=232)	14.2	[9.9, 19.9]	84.1	[78.0, 88.8]	1.7	[0.4, 6.7]	100.0
Pearson: Uncorrected chi2(4) =	5.4171						
Design-based F(3.82, 2658.32) =	0.8980	Pr =	0.461				
<b>Region</b>							
UP/NW/NE (n=124)	9.5	[5.0, 17.5]	90.1	[82.1, 94.7]	0.4	[0.1, 2.9]	100.0
W/E Central/E (n=203)	16.1	[11.1, 22.9]	83.2	[76.4, 88.3]	0.7	[0.2, 2.8]	100.0
S Central/SW/SE (n=169)	17.2	[12.0, 24.0]	81.5	[74.3, 87.0]	1.3	[0.2, 8.9]	100.0
Detroit Metro (n=212)	15.4	[10.4, 22.3]	82.3	[75.2, 87.7]	2.2	[0.8, 6.3]	100.0
Pearson: Uncorrected chi2(6) =	4.8583						
Design-based F(4.75, 3304.90) =	0.7075	Pr =	0.610				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=538)	14.7	[11.5, 18.7]	83.6	[79.4, 87.1]	1.6	[0.6, 4.1]	100.0
No (n=170)	17.4	[11.6, 25.3]	81.7	[73.8, 87.6]	0.9	[0.2, 3.9]	100.0
Pearson: Uncorrected chi2(2) =	1.3113						
Design-based F(1.96, 1362.68) =	0.4749	Pr =	0.618				
<b>Total (n=708)</b>	<b>15.5</b>	<b>[12.6, 19.0]</b>	<b>83.1</b>	<b>[79.5, 86.2]</b>	<b>1.4</b>	<b>[0.6, 3.2]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 3.4.1 Q: Which providers did you have to change?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who had to change providers since HMP coverage ended (n = 109)

Which providers did you have to change?	Weighted Proportion	95%CI
Primary care provider (n=76)	69.6	[57.8, 79.3]
Dentist (n=31)	28.1	[19.2, 39.1]
Specialist (n=23)	21.7	[13.7, 32.8]
Other (n=10)	11.2	[5.0, 23.2]
Mental health provider (n=9)	7.5	[3.5, 15.2]
Don't know (n=1)	1.1	[0.2, 7.9]

**Note:** Respondents were able to provide multiple responses

### 3.5 Q: Since your Healthy Michigan Plan insurance ended, was there any time when you didn't get the health care you needed?

Follow-up group(s): No longer enrolled

Universe: All respondents

	Forgone health care since HMP coverage ended						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=708)	17.1	[13.7, 21.2]	82.3	[78.2, 85.7]	0.6	[0.1, 2.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=244)	18.1	[12.2, 26.0]	81.0	[73.0, 87.0]	0.9	[0.1, 6.3]	100.0
35-50 (n=209)	18.0	[12.8, 24.8]	82.0	[75.2, 87.2]	0.0		100.0
51-64 (n=255)	14.6	[9.9, 20.9]	84.6	[78.2, 89.4]	0.8	[0.1, 5.3]	100.0
Pearson: Uncorrected chi2(4) =	3.1001						
Design-based F(3.65, 2542.85) =	0.4162	Pr =	0.780				
<b>Gender</b>							
Male (n=297)	15.7	[10.9, 21.9]	83.6	[77.2, 88.4]	0.8	[0.1, 5.4]	100.0
Female (n=411)	18.6	[14.0, 24.2]	81.0	[75.3, 85.6]	0.4	[0.1, 2.9]	100.0
Pearson: Uncorrected chi2(2) =	1.4256						
Design-based F(2.00, 1390.85) =	0.3783	Pr =	0.685				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=455)	21.9	[17.0, 27.7]	77.1	[71.3, 82.1]	1.0	[0.2, 4.3]	100.0
Black, non-Hispanic (n=154)	8.7	[4.8, 15.4]	91.3	[84.6, 95.2]	0.0		100.0
Hispanic (n=38)	17.3	[5.6, 42.6]	82.7	[57.4, 94.4]	0.0		100.0
Other, non-Hispanic (n=52)	11.5	[5.3, 23.1]	88.5	[76.9, 94.7]	0.0		100.0
Pearson: Uncorrected chi2(6) =	20.6198						
Design-based F(5.53, 3797.52) =	1.9662	Pr =	0.073				
<b>FPL category</b>							
0-35% (n=217)	17.7	[11.7, 25.8]	80.9	[72.7, 87.1]	1.5	[0.3, 6.1]	100.0
36-99% (n=259)	13.0	[8.8, 18.8]	87.0	[81.2, 91.2]	0.0		100.0
100%+ (n=232)	21.4	[15.5, 28.7]	78.6	[71.3, 84.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	11.4393						
Design-based F(3.14, 2183.34) =	1.9271	Pr =	0.120				
<b>Region</b>							
UP/NW/NE (n=124)	12.5	[7.4, 20.3]	87.5	[79.7, 92.6]	0.0		100.0
W/E Central/E (n=203)	14.4	[9.6, 21.1]	85.6	[78.9, 90.4]	0.0		100.0
S Central/SW/SE (n=169)	17.5	[11.8, 25.2]	81.5	[73.7, 87.4]	0.9	[0.1, 6.2]	100.0
Detroit Metro (n=212)	20.0	[13.5, 28.4]	79.0	[70.5, 85.6]	1.0	[0.1, 6.8]	100.0
Pearson: Uncorrected chi2(6) =	6.4597						
Design-based F(4.42, 3077.17) =	0.7669	Pr =	0.559				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=538)	16.5	[13.0, 20.7]	82.6	[78.3, 86.3]	0.8	[0.2, 3.5]	100.0
No (n=170)	18.7	[11.4, 29.1]	81.3	[70.9, 88.6]	0.0		100.0
Pearson: Uncorrected chi2(2) =	2.1054						
Design-based F(2.00, 1391.74) =	0.4633	Pr =	0.629				
<b>Total (n=708)</b>	17.1	[13.7, 21.2]	82.3	[78.2, 85.7]	0.6	[0.1, 2.5]	100.0

Note: Total count is less than universe count due to item non-response.

### 3.5.1 Q: What type of health care was it?

Follow-up group(s): No longer enrolled

Universe: Respondents who did not receive health care they needed since HMP coverage ended (n = 111)

Type of foregone health care	Weighted Proportion	95%CI
Primary care (n=49)	46.2	[34.2, 58.7]
Prescription medication (n=20)	25.0	[15.5, 37.7]
Specialty care (n=25)	16.2	[10.3, 24.7]
Lab/imaging test (n=7)	10.8	[4.0, 25.8]
Mental health care (n=10)	6.9	[3.2, 14.2]
Surgery or procedure (n=5)	4.1	[1.5, 10.2]
Other (n=4)	4.1	[1.2, 13.4]
Support services (n=4)	2.3	[0.8, 6.4]
Don't know (n=1)	1.0	[0.1, 7.0]

Note: Respondents were able to provide multiple responses

#### 3.5.1.1 Q: Why didn't you get the care you needed?

Follow-up group(s): No longer enrolled

Universe: Respondents who did not receive health care they needed since HMP coverage ended (n = 111)

	Reasons for forgone health care since HMP coverage ended							
	No insurance coverage		Cost		Difficulty/inability finding a provider		Needed a service that wasn't covered	
	Percent	95%CI	Percent	95%CI	Percent	95%CI	Percent	95%CI
Any missed care (n=111)	45.5	[33.6, 57.9]	36.0	[24.9, 49.0]	15.2	[9.0, 24.7]	11.5	[5.7, 21.8]
Primary care (n=49)	65.5		41.1		2.5		1.1	
Prescription medications (n=20)	31.4		58.5		15.6		19.6	
Specialty care (n=25)	39.5		29.7		35.5		3.0	
Mental health care (n=10)	25.3		3.9		26.2		41.2	

Note: Respondents were able to provide multiple responses

	Reasons for forgone health care since HMP coverage ended					
	Other		Difficulty getting appointment		Transportation/logistics	
	Percent	95%CI	Percent	95%CI	Percent	95%CI
Any missed care (n=111)	8.3	[4.2, 15.7]	3.0	[1.1, 7.6]	2.5	[0.6, 10.1]
Primary care (n=49)	12.6		5.3		3.6	
Prescription medications (n=20)	6.4		0.0		0.0	
Specialty care (n=25)	3.9		3.4		1.2	
Mental health care (n=10)	3.5		0.0		10.2	

Note: Respondents were able to provide multiple responses

### 3.6 Q: Since your Healthy Michigan Plan insurance ended, was there any time when you didn't get the dental care you needed?

Follow-up group(s): No longer enrolled

Universe: All respondents

	Forgone dental care since HMP coverage ended						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=708)	23.3	[19.7, 27.3]	76.4	[72.4, 80.0]	0.3	[0.1, 1.1]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=244)	19.6	[14.4, 26.0]	80.4	[74.0, 85.6]	0.0		100.0
35-50 (n=209)	29.1	[22.2, 37.0]	70.4	[62.5, 77.3]	0.5	[0.1, 3.8]	100.0
51-64 (n=255)	22.6	[17.1, 29.3]	76.9	[70.2, 82.5]	0.5	[0.1, 2.1]	100.0
Pearson: Uncorrected chi2(4) =	8.1459						
Design-based F(3.59, 2501.73) =	1.8284	Pr =	0.128				
<b>Gender</b>							
Male (n=297)	18.9	[14.1, 24.7]	80.6	[74.7, 85.4]	0.5	[0.1, 2.1]	100.0
Female (n=411)	27.7	[22.8, 33.3]	72.2	[66.7, 77.1]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	8.6588						
Design-based F(1.52, 1060.44) =	4.5005	Pr =	0.019				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=455)	26.5	[21.9, 31.8]	73.0	[67.8, 77.7]	0.4	[0.1, 1.8]	100.0
Black, non-Hispanic (n=154)	20.0	[13.3, 29.0]	79.8	[70.8, 86.6]	0.2	[0.0, 1.2]	100.0
Hispanic (n=38)	13.0	[5.7, 26.9]	87.0	[73.1, 94.3]	0.0		100.0
Other, non-Hispanic (n=52)	20.6	[11.4, 34.3]	79.4	[65.7, 88.6]	0.0		100.0
Pearson: Uncorrected chi2(6) =	6.7896						
Design-based F(5.06, 3478.56) =	0.9983	Pr =	0.418				
<b>FPL category</b>							
0-35% (n=217)	20.3	[14.5, 27.6]	79.5	[72.2, 85.3]	0.2	[0.0, 1.5]	100.0
36-99% (n=259)	24.7	[19.2, 31.3]	75.1	[68.5, 80.7]	0.1	[0.0, 1.0]	100.0
100%+ (n=232)	26.1	[20.1, 33.2]	73.3	[66.1, 79.3]	0.6	[0.1, 4.3]	100.0
Pearson: Uncorrected chi2(4) =	3.5802						
Design-based F(3.30, 2298.62) =	0.8838	Pr =	0.457				
<b>Region</b>							
UP/NW/NE (n=124)	27.2	[19.3, 36.9]	71.8	[62.2, 79.8]	1.0	[0.1, 6.6]	100.0
W/E Central/E (n=203)	22.6	[16.7, 29.9]	77.4	[70.1, 83.3]	0.0		100.0
S Central/SW/SE (n=169)	22.3	[16.2, 29.8]	76.8	[69.2, 83.0]	0.9	[0.2, 4.4]	100.0
Detroit Metro (n=212)	23.5	[17.2, 31.1]	76.5	[68.9, 82.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	5.2222						
Design-based F(5.02, 3497.13) =	0.9289	Pr =	0.461				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=538)	25.1	[21.0, 29.7]	74.5	[69.9, 78.6]	0.4	[0.1, 1.5]	100.0
No (n=170)	18.7	[12.4, 27.2]	81.3	[72.8, 87.6]	0.0		100.0
Pearson: Uncorrected chi2(2) =	4.2551						
Design-based F(1.81, 1260.92) =	1.6170	Pr =	0.201				
<b>Total (n=708)</b>	23.3	[19.7, 27.3]	76.4	[72.4, 80.0]	0.3	[0.1, 1.1]	100.0

Note: Total count is less than universe count due to item non-response.

### 3.6.1 Q: Why didn't you get the dental care you needed?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who did not receive dental care they needed since HMP coverage ended (n = 179)

Reasons for forgone dental care	Weighted Proportion	95%CI
No insurance coverage (n=75)	46.1	[36.9, 55.5]
Cost (n=53)	23.8	[18.0, 30.9]
Difficulty/inability finding a provider (n=27)	16.4	[10.8, 24.0]
Needed a services that wasn't covered (n=27)	14.6	[9.1, 22.7]
Other (n=13)	5.5	[3.0, 9.7]
Difficulty getting appointment (n=5)	4.4	[1.6, 11.5]
Afraid of going to dentist/dislike dentist (n=1)	0.4	[0.1, 3.1]
Transportation/logistics (n=1)	0.3	[0.0, 1.8]

**Note:** Respondents were able to provide multiple responses

- 4 Aim 4: To describe HMP enrollees' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.**

#### 4.1 Q: In the last 7 days, how many days did you exercise for at least 20 minutes?

Follow-up group(s): Still enrolled

Universe: All respondents

	Every day		3-6 days		Exercise frequency in last 7 days				Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	1-2 days		0 days		Row%	95%CI	
<b>Follow-up group</b>											
Still enrolled (n=2,388)	28.4	[26.2, 30.8]	34.3	[31.9, 36.9]	19.4	[17.3, 21.7]	17.8	[16.0, 19.7]	0.0	[0.0, 0.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		.
Design-based F(., .) =	.	Pr =	.		.		.		.		.
<b>Age</b>											
19-34 (n=664)	20.9	[17.5, 24.8]	42.4	[37.6, 47.2]	20.8	[17.1, 25.2]	15.9	[12.8, 19.5]	0.0		100.0
35-50 (n=760)	27.9	[23.8, 32.3]	30.6	[26.7, 34.9]	22.8	[19.0, 27.0]	18.7	[15.7, 22.1]	0.1	[0.0, 0.5]	100.0
51-64 (n=964)	38.4	[34.7, 42.2]	28.8	[25.5, 32.4]	13.6	[11.0, 16.8]	19.1	[16.3, 22.1]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(8) =	88.0212										
Design-based F(6.80, 16147.44) =	8.2699	Pr =	0.000								
<b>Gender</b>											
Male (n=933)	30.1	[26.5, 34.0]	33.8	[30.0, 37.8]	19.5	[16.4, 23.1]	16.6	[13.9, 19.7]	0.0		100.0
Female (n=1,455)	26.9	[24.2, 29.8]	34.8	[31.7, 38.1]	19.4	[16.6, 22.4]	18.8	[16.5, 21.3]	0.1	[0.0, 0.3]	100.0
Pearson: Uncorrected chi2(4) =	4.7567										
Design-based F(3.47, 8248.74) =	0.8413	Pr =	0.485								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=1,603)	30.2	[27.5, 33.1]	33.8	[30.9, 36.9]	19.2	[16.5, 22.2]	16.7	[14.6, 19.0]	0.1	[0.0, 0.3]	100.0
Black, non-Hispanic (n=479)	22.1	[17.7, 27.1]	37.1	[31.8, 42.9]	21.6	[17.4, 26.5]	19.1	[15.3, 23.7]	0.0		100.0
Hispanic (n=100)	26.1	[17.5, 37.2]	39.1	[27.6, 51.9]	14.2	[8.2, 23.4]	20.6	[13.2, 30.6]	0.0		100.0
Other, non-Hispanic (n=176)	36.0	[27.1, 45.9]	25.8	[18.9, 34.1]	17.8	[12.1, 25.4]	20.4	[14.3, 28.3]	0.0		100.0
Pearson: Uncorrected chi2(12) =	28.6639										
Design-based F(11.02, 25858.84) =	1.4826	Pr =	0.130								
<b>FPL category</b>											
0-35% (n=1,001)	28.0	[24.6, 31.5]	31.4	[27.8, 35.2]	21.1	[17.8, 24.7]	19.6	[16.9, 22.6]	0.0	[0.0, 0.2]	100.0
36-99% (n=824)	28.9	[25.3, 32.7]	36.9	[32.8, 41.1]	17.5	[14.7, 20.7]	16.8	[14.1, 19.8]	0.0		100.0
100%+ (n=563)	29.2	[25.0, 33.7]	39.8	[35.2, 44.6]	17.3	[13.9, 21.2]	13.7	[10.8, 17.2]	0.1	[0.0, 0.9]	100.0
Pearson: Uncorrected chi2(8) =	20.4326										
Design-based F(6.99, 16597.05) =	2.3674	Pr =	0.021								
<b>Region</b>											
UP/NW/NE (n=450)	31.8	[27.2, 36.8]	36.4	[31.4, 41.6]	15.3	[11.9, 19.6]	16.5	[13.0, 20.6]	0.0		100.0
W/E Central/E (n=777)	28.3	[24.8, 32.0]	34.6	[30.7, 38.7]	17.4	[14.5, 20.7]	19.7	[16.7, 23.0]	0.1	[0.0, 0.5]	100.0
S Central/SW/SE (n=464)	33.7	[29.0, 38.8]	31.5	[26.9, 36.6]	15.7	[12.2, 20.1]	18.9	[15.2, 23.4]	0.1	[0.0, 0.8]	100.0
Detroit Metro (n=697)	25.7	[21.8, 30.0]	34.8	[30.5, 39.5]	23.1	[19.2, 27.5]	16.3	[13.4, 19.7]	0.0		100.0
Pearson: Uncorrected chi2(12) =	26.8850										
Design-based F(9.38, 22284.52) =	2.1764	Pr =	0.019								
<b>Chronic condition (2016/2017 survey or DW)</b>											
Yes (n=1,931)	29.3	[26.8, 32.0]	31.9	[29.2, 34.7]	19.9	[17.5, 22.6]	18.8	[16.8, 21.0]	0.1	[0.0, 0.2]	100.0
No (n=457)	25.1	[20.7, 30.1]	43.1	[37.5, 48.9]	17.6	[13.5, 22.5]	14.2	[10.8, 18.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	23.6662										
Design-based F(3.49, 8298.20) =	4.2179	Pr =	0.003								
<b>Total (n=2,388)</b>	28.4	[26.2, 30.8]	34.3	[31.9, 36.9]	19.4	[17.3, 21.7]	17.8	[16.0, 19.7]	0.0	[0.0, 0.2]	100.0

## 4.2 Q: In the last 7 days, how many days did you drink soda or pop that contains sugar, sweetened fruit drinks, sports drinks, or energy drinks?

Follow-up group(s): Still enrolled

Universe: All respondents

	Sugary drink consumption in last 7 days										Total Row%
	Every day		3-6 days		1-2 days		0 days		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>											
Still enrolled (n=2,387)	24.8	[22.6, 27.2]	21.0	[18.9, 23.3]	24.2	[22.1, 26.5]	29.8	[27.5, 32.3]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		
Design-based F(., .) =	.	Pr =	.		.		.		.		
<b>Age</b>											
19-34 (n=663)	27.4	[23.2, 32.0]	24.3	[20.3, 28.7]	27.6	[23.6, 31.9]	20.6	[16.9, 24.8]	0.2	[0.0, 1.4]	100.0
35-50 (n=760)	26.7	[22.9, 30.9]	22.3	[18.6, 26.5]	22.7	[19.2, 26.7]	28.2	[24.3, 32.5]	0.1	[0.0, 0.7]	100.0
51-64 (n=964)	19.3	[16.7, 22.3]	15.4	[12.9, 18.3]	21.9	[18.8, 25.2]	43.4	[39.6, 47.3]	0.0		100.0
Pearson: Uncorrected chi2(8) =	103.3507										
Design-based F(7.44, 17672.38) =	8.4583	Pr =	0.000								
<b>Gender</b>											
Male (n=933)	25.9	[22.5, 29.7]	24.1	[20.7, 27.9]	23.7	[20.4, 27.4]	26.2	[22.7, 30.1]	0.0		100.0
Female (n=1,454)	23.9	[21.1, 26.8]	18.4	[15.8, 21.2]	24.6	[21.9, 27.5]	32.9	[30.0, 36.1]	0.2	[0.0, 0.9]	100.0
Pearson: Uncorrected chi2(4) =	21.6946										
Design-based F(3.97, 9430.50) =	3.2535	Pr =	0.011								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=1,603)	27.8	[25.0, 30.8]	18.0	[15.7, 20.7]	21.2	[18.8, 23.8]	32.8	[29.9, 35.8]	0.2	[0.0, 0.8]	100.0
Black, non-Hispanic (n=478)	18.5	[14.4, 23.4]	28.7	[23.6, 34.2]	25.6	[21.3, 30.4]	27.2	[22.4, 32.7]	0.0		100.0
Hispanic (n=100)	19.5	[12.3, 29.5]	24.8	[15.4, 37.4]	41.3	[30.0, 53.7]	14.3	[9.0, 22.2]	0.0		100.0
Other, non-Hispanic (n=176)	26.1	[18.8, 34.9]	17.7	[12.1, 25.0]	29.9	[21.6, 39.8]	26.3	[19.4, 34.8]	0.0		100.0
Pearson: Uncorrected chi2(12) =	81.0473										
Design-based F(11.43, 26800.05) =	3.9649	Pr =	0.000								
<b>FPL category</b>											
0-35% (n=1,001)	24.1	[20.9, 27.7]	22.6	[19.4, 26.1]	24.0	[20.8, 27.4]	29.1	[25.7, 32.9]	0.2	[0.0, 0.8]	100.0
36-99% (n=823)	23.9	[20.5, 27.7]	22.2	[18.7, 26.1]	22.9	[19.7, 26.4]	31.0	[27.4, 34.9]	0.0		100.0
100%+ (n=563)	28.4	[24.2, 32.9]	14.4	[11.5, 17.8]	27.0	[22.9, 31.5]	30.3	[26.2, 34.8]	0.0		100.0
Pearson: Uncorrected chi2(8) =	18.0628										
Design-based F(7.09, 16834.93) =	1.8907	Pr =	0.066								
<b>Region</b>											
UP/NW/NE (n=450)	25.7	[21.4, 30.5]	15.2	[11.7, 19.6]	22.2	[18.1, 26.9]	36.9	[32.0, 42.1]	0.0		100.0
W/E Central/E (n=777)	28.2	[24.7, 32.0]	19.1	[16.2, 22.4]	23.9	[20.5, 27.6]	28.5	[24.9, 32.4]	0.4	[0.1, 1.5]	100.0
S Central/SW/SE (n=463)	28.0	[23.5, 32.8]	21.1	[17.0, 25.9]	21.1	[17.1, 25.6]	29.8	[25.3, 34.8]	0.0		100.0
Detroit Metro (n=697)	21.1	[17.4, 25.5]	23.5	[19.6, 27.8]	26.1	[22.3, 30.2]	29.3	[25.3, 33.7]	0.0		100.0
Pearson: Uncorrected chi2(12) =	32.2608										
Design-based F(9.53, 22632.46) =	2.4085	Pr =	0.009								
<b>Chronic condition (2016/2017 survey or DW)</b>											
Yes (n=1,931)	25.4	[22.8, 28.1]	20.5	[18.1, 23.0]	22.1	[19.8, 24.5]	32.1	[29.4, 34.8]	0.0	[0.0, 0.3]	100.0
No (n=456)	22.8	[18.7, 27.5]	23.0	[18.3, 28.6]	32.0	[26.9, 37.5]	21.8	[17.4, 27.1]	0.3	[0.0, 2.3]	100.0
Pearson: Uncorrected chi2(4) =	36.0857										
Design-based F(3.85, 9138.68) =	5.6852	Pr =	0.000								
<b>Total (n=2,387)</b>	24.8	[22.6, 27.2]	21.0	[18.9, 23.3]	24.2	[22.1, 26.5]	29.8	[27.5, 32.3]	0.1	[0.0, 0.5]	100.0

Note: Total count is less than universe count due to item non-response.

### 4.3 Q: In the last 7 days, how many days did you eat 3 or more servings of fruits or vegetables in a day?

Follow-up group(s): Still enrolled

Universe: All respondents

	Days eating 3+ fruits or vegetables in last 7 days										Total Row%
	Every day		3-6 days		1-2 days		0 days		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>											
Still enrolled (n=2,386)	33.9	[31.5, 36.3]	37.7	[35.2, 40.3]	15.6	[13.8, 17.6]	12.6	[10.9, 14.6]	0.2	[0.1, 0.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		
Design-based F(., .) =	.	Pr =	.		.		.		.		
<b>Age</b>											
19-34 (n=662)	30.3	[26.1, 34.8]	41.2	[36.6, 46.0]	15.9	[12.5, 19.9]	12.5	[9.6, 16.2]	0.1	[0.0, 0.7]	100.0
35-50 (n=760)	32.3	[28.4, 36.5]	38.1	[33.7, 42.6]	14.5	[11.7, 17.8]	14.9	[11.7, 18.8]	0.3	[0.1, 0.8]	100.0
51-64 (n=964)	40.1	[36.4, 44.0]	32.9	[29.5, 36.5]	16.7	[13.9, 19.9]	10.0	[8.1, 12.4]	0.3	[0.1, 1.0]	100.0
Pearson: Uncorrected chi2(8) =	28.0121										
Design-based F(7.20, 17086.49) =	2.4247	Pr =	0.017								
<b>Gender</b>											
Male (n=933)	28.6	[25.0, 32.4]	38.1	[34.2, 42.1]	16.0	[13.2, 19.4]	17.3	[14.3, 20.8]	0.1	[0.0, 0.6]	100.0
Female (n=1,453)	38.4	[35.3, 41.6]	37.4	[34.2, 40.7]	15.2	[13.1, 17.7]	8.6	[6.9, 10.8]	0.3	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(4) =	54.0894										
Design-based F(3.76, 8932.09) =	8.8634	Pr =	0.000								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=1,602)	35.1	[32.2, 38.2]	37.6	[34.5, 40.7]	14.9	[12.8, 17.3]	12.2	[10.3, 14.4]	0.2	[0.1, 0.6]	100.0
Black, non-Hispanic (n=478)	28.1	[23.6, 33.0]	40.7	[35.2, 46.3]	17.6	[13.6, 22.5]	13.5	[9.7, 18.5]	0.1	[0.0, 0.8]	100.0
Hispanic (n=100)	25.3	[17.2, 35.7]	41.8	[30.8, 53.7]	18.5	[10.1, 31.3]	14.0	[6.8, 26.6]	0.5	[0.1, 3.2]	100.0
Other, non-Hispanic (n=176)	46.2	[37.1, 55.5]	28.3	[21.1, 36.9]	12.1	[7.6, 18.8]	13.0	[7.4, 21.7]	0.4	[0.1, 3.0]	100.0
Pearson: Uncorrected chi2(12) =	31.3307										
Design-based F(10.51, 24632.79) =	1.6233	Pr =	0.089								
<b>FPL category</b>											
0-35% (n=1,000)	33.1	[29.5, 36.8]	36.4	[32.6, 40.3]	15.5	[12.9, 18.6]	14.7	[12.0, 17.9]	0.3	[0.1, 0.7]	100.0
36-99% (n=823)	35.3	[31.5, 39.3]	37.3	[33.4, 41.4]	17.2	[14.0, 20.8]	10.0	[7.7, 12.8]	0.2	[0.1, 0.8]	100.0
100%+ (n=563)	34.2	[29.8, 38.8]	42.5	[37.7, 47.3]	13.5	[10.7, 16.9]	9.9	[7.5, 13.0]	0.0		100.0
Pearson: Uncorrected chi2(8) =	18.0201										
Design-based F(7.33, 17403.69) =	1.9408	Pr =	0.056								
<b>Region</b>											
UP/NW/NE (n=450)	37.3	[32.4, 42.4]	38.0	[33.0, 43.3]	13.6	[10.5, 17.4]	11.1	[8.2, 15.0]	0.0		100.0
W/E Central/E (n=776)	34.6	[30.8, 38.6]	36.9	[33.1, 40.8]	14.9	[12.3, 18.0]	13.1	[10.6, 16.1]	0.5	[0.2, 1.3]	100.0
S Central/SW/SE (n=463)	36.1	[31.2, 41.3]	35.8	[30.8, 41.0]	14.5	[11.3, 18.3]	13.4	[10.4, 17.3]	0.2	[0.0, 1.5]	100.0
Detroit Metro (n=697)	31.8	[27.7, 36.1]	38.9	[34.4, 43.6]	16.9	[13.6, 20.8]	12.3	[9.3, 16.2]	0.1	[0.0, 0.5]	100.0
Pearson: Uncorrected chi2(12) =	11.0214										
Design-based F(10.13, 24038.57) =	0.8033	Pr =	0.627								
<b>Chronic condition (2016/2017 survey or DW)</b>											
Yes (n=1,931)	34.2	[31.5, 36.9]	36.8	[34.0, 39.7]	15.7	[13.7, 18.0]	13.0	[11.0, 15.2]	0.2	[0.1, 0.6]	100.0
No (n=455)	32.7	[27.5, 38.2]	40.8	[35.4, 46.5]	15.1	[11.5, 19.4]	11.4	[7.9, 16.0]	0.1	[0.0, 0.7]	100.0
Pearson: Uncorrected chi2(4) =	3.3154										
Design-based F(3.49, 8289.97) =	0.5585	Pr =	0.669								
<b>Total (n=2,386)</b>	33.9	[31.5, 36.3]	37.7	[35.2, 40.3]	15.6	[13.8, 17.6]	12.6	[10.9, 14.6]	0.2	[0.1, 0.5]	100.0

Note: Total count is less than universe count due to item non-response.

#### 4.4 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about exercise?

Follow-up group(s): Still enrolled

Universe: All respondents

	Health professional discussed exercise in last 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	46.2	[43.6, 48.8]	53.3	[50.7, 55.9]	0.5	[0.3, 1.0]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=663)	41.5	[36.9, 46.3]	58.1	[53.3, 62.7]	0.4	[0.1, 1.1]	100.0
35-50 (n=760)	47.5	[43.0, 52.1]	52.0	[47.4, 56.5]	0.5	[0.2, 1.4]	100.0
51-64 (n=964)	50.3	[46.5, 54.2]	48.9	[45.1, 52.8]	0.7	[0.3, 2.0]	100.0
Pearson: Uncorrected chi2(4) =	14.2962						
Design-based F(3.75, 8902.38) =	2.6194	Pr =	0.037				
<b>Gender</b>							
Male (n=932)	42.9	[38.9, 46.9]	56.9	[52.8, 60.9]	0.2	[0.1, 0.7]	100.0
Female (n=1,455)	49.0	[45.7, 52.3]	50.2	[46.9, 53.5]	0.8	[0.4, 1.5]	100.0
Pearson: Uncorrected chi2(2) =	13.3174						
Design-based F(1.85, 4386.03) =	5.0551	Pr =	0.008				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	44.2	[41.0, 47.3]	55.2	[52.0, 58.3]	0.7	[0.3, 1.4]	100.0
Black, non-Hispanic (n=479)	51.5	[45.9, 57.2]	48.4	[42.7, 54.0]	0.1	[0.0, 0.8]	100.0
Hispanic (n=100)	42.0	[31.1, 53.7]	57.2	[45.5, 68.1]	0.8	[0.1, 5.6]	100.0
Other, non-Hispanic (n=175)	46.0	[37.0, 55.1]	53.4	[44.2, 62.3]	0.7	[0.2, 2.8]	100.0
Pearson: Uncorrected chi2(6) =	12.7022						
Design-based F(5.23, 12269.05) =	1.6359	Pr =	0.143				
<b>FPL category</b>							
0-35% (n=1,001)	45.8	[41.9, 49.7]	53.9	[50.0, 57.8]	0.3	[0.1, 0.7]	100.0
36-99% (n=823)	45.7	[41.6, 49.8]	53.2	[49.0, 57.3]	1.1	[0.5, 2.7]	100.0
100%+ (n=563)	48.0	[43.2, 52.8]	51.6	[46.8, 56.3]	0.4	[0.1, 1.4]	100.0
Pearson: Uncorrected chi2(4) =	6.4318						
Design-based F(3.73, 8852.86) =	1.4616	Pr =	0.214				
<b>Region</b>							
UP/NW/NE (n=450)	43.2	[38.1, 48.4]	56.6	[51.4, 61.7]	0.2	[0.0, 1.4]	100.0
W/E Central/E (n=777)	48.6	[44.5, 52.7]	49.9	[45.9, 54.0]	1.5	[0.8, 2.8]	100.0
S Central/SW/SE (n=464)	43.9	[38.9, 49.1]	55.8	[50.6, 60.9]	0.2	[0.0, 1.7]	100.0
Detroit Metro (n=696)	46.0	[41.4, 50.7]	53.9	[49.2, 58.5]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(6) =	21.1404						
Design-based F(5.05, 11985.30) =	3.5089	Pr =	0.003				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,930)	50.5	[47.6, 53.4]	48.9	[46.0, 51.8]	0.6	[0.3, 1.1]	100.0
No (n=457)	30.5	[25.8, 35.7]	69.2	[64.0, 73.9]	0.3	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(2) =	66.8593						
Design-based F(1.84, 4375.11) =	26.9514	Pr =	0.000				
<b>Total (n=2,387)</b>	46.2	[43.6, 48.8]	53.3	[50.7, 55.9]	0.5	[0.3, 1.0]	100.0

Note: Total count is less than universe count due to item non-response.

#### 4.5 Q: In the last 12 months has a doctor, nurse or other health professional talked with you about diet and nutrition?

Follow-up group(s): Still enrolled

Universe: All respondents

	Health professional discussed diet/nutrition in last 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	46.4	[43.8, 48.9]	53.3	[50.7, 55.8]	0.4	[0.2, 0.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=663)	41.3	[36.7, 46.1]	58.3	[53.5, 62.9]	0.4	[0.1, 1.8]	100.0
35-50 (n=760)	48.6	[44.1, 53.1]	51.1	[46.5, 55.6]	0.3	[0.1, 1.2]	100.0
51-64 (n=964)	49.9	[46.0, 53.7]	49.6	[45.8, 53.5]	0.5	[0.1, 1.9]	100.0
Pearson: Uncorrected chi2(4) =	14.2901						
Design-based F(3.87, 9196.01) =	2.1853	Pr =	0.070				
<b>Gender</b>							
Male (n=932)	42.0	[38.1, 46.0]	57.6	[53.6, 61.6]	0.4	[0.1, 1.4]	100.0
Female (n=1,455)	50.1	[46.8, 53.4]	49.5	[46.2, 52.8]	0.4	[0.1, 1.2]	100.0
Pearson: Uncorrected chi2(2) =	15.7367						
Design-based F(2.00, 4747.74) =	4.5743	Pr =	0.010				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	43.3	[40.2, 46.4]	56.2	[53.0, 59.3]	0.5	[0.2, 1.4]	100.0
Black, non-Hispanic (n=479)	54.5	[48.8, 60.1]	45.4	[39.8, 51.1]	0.1	[0.0, 0.8]	100.0
Hispanic (n=100)	40.6	[30.0, 52.2]	59.4	[47.8, 70.0]	0.0		100.0
Other, non-Hispanic (n=175)	45.5	[36.6, 54.7]	53.8	[44.6, 62.7]	0.7	[0.2, 2.9]	100.0
Pearson: Uncorrected chi2(6) =	25.9849						
Design-based F(5.28, 12370.22) =	2.9872	Pr =	0.009				
<b>FPL category</b>							
0-35% (n=1,001)	46.5	[42.6, 50.4]	53.2	[49.2, 57.1]	0.4	[0.1, 1.3]	100.0
36-99% (n=823)	44.4	[40.3, 48.5]	55.1	[50.9, 59.2]	0.5	[0.1, 2.1]	100.0
100%+ (n=563)	48.9	[44.1, 53.7]	50.8	[46.0, 55.5]	0.3	[0.1, 1.4]	100.0
Pearson: Uncorrected chi2(4) =	2.4322						
Design-based F(3.72, 8838.73) =	0.4528	Pr =	0.757				
<b>Region</b>							
UP/NW/NE (n=450)	43.6	[38.5, 48.8]	56.2	[51.0, 61.3]	0.2	[0.0, 1.4]	100.0
W/E Central/E (n=777)	47.7	[43.7, 51.8]	51.5	[47.4, 55.5]	0.8	[0.3, 2.2]	100.0
S Central/SW/SE (n=464)	44.5	[39.4, 49.7]	55.5	[50.3, 60.6]	0.0		100.0
Detroit Metro (n=696)	46.7	[42.1, 51.4]	53.0	[48.3, 57.6]	0.3	[0.1, 1.5]	100.0
Pearson: Uncorrected chi2(6) =	7.0600						
Design-based F(4.94, 11737.57) =	0.9054	Pr =	0.475				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,930)	51.0	[48.1, 54.0]	48.7	[45.7, 51.6]	0.3	[0.1, 0.8]	100.0
No (n=457)	29.4	[24.7, 34.6]	69.9	[64.6, 74.6]	0.7	[0.2, 2.9]	100.0
Pearson: Uncorrected chi2(2) =	77.1231						
Design-based F(1.99, 4737.55) =	22.7434	Pr =	0.000				
<b>Total (n=2,387)</b>	46.4	[43.8, 48.9]	53.3	[50.7, 55.8]	0.4	[0.2, 0.9]	100.0

Note: Total count is less than universe count due to item non-response.

#### 4.6 Q: In the last 7 days, how many days did you have [5 or more for men, 4 or more for women] alcoholic drinks?

Follow-up group(s): Still enrolled

Universe: All respondents

	Every day		3-6 days		Binge drinking frequency in last 7 days 1-2 days		0 days		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=2,386)	1.4	[0.9, 2.3]	5.2	[4.0, 6.7]	12.0	[10.4, 13.9]	81.4	[79.1, 83.4]	100.0
Pearson: Uncorrected chi2(0) =	.								
Design-based F(., .) =	.	Pr =	.						
<b>Age</b>									
19-34 (n=663)	0.9	[0.4, 2.4]	4.6	[3.1, 6.9]	13.6	[10.4, 17.7]	80.8	[76.5, 84.5]	100.0
35-50 (n=760)	1.4	[0.6, 3.7]	6.6	[4.2, 10.2]	10.9	[8.6, 13.8]	81.0	[76.9, 84.6]	100.0
51-64 (n=963)	2.0	[1.2, 3.5]	4.2	[2.9, 5.9]	11.4	[9.2, 14.0]	82.4	[79.4, 85.1]	100.0
Pearson: Uncorrected chi2(6) =	11.1356								
Design-based F(5.57, 13230.39) =	1.0264	Pr =	0.404						
<b>Gender</b>									
Male (n=932)	1.9	[1.0, 3.6]	5.8	[4.2, 8.0]	13.0	[10.4, 16.1]	79.3	[75.7, 82.4]	100.0
Female (n=1,454)	1.0	[0.5, 1.9]	4.6	[3.1, 6.8]	11.2	[9.2, 13.5]	83.2	[80.3, 85.7]	100.0
Pearson: Uncorrected chi2(3) =	7.8102								
Design-based F(2.97, 7051.62) =	1.3670	Pr =	0.251						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=1,602)	1.3	[0.7, 2.2]	4.8	[3.4, 6.7]	11.1	[9.2, 13.3]	82.9	[80.2, 85.3]	100.0
Black, non-Hispanic (n=478)	2.0	[0.8, 5.0]	6.7	[4.4, 10.0]	15.6	[11.8, 20.4]	75.7	[70.4, 80.3]	100.0
Hispanic (n=100)	1.3	[0.3, 5.6]	8.3	[2.7, 22.8]	5.8	[2.6, 12.7]	84.6	[72.1, 92.1]	100.0
Other, non-Hispanic (n=176)	0.6	[0.1, 3.9]	2.2	[0.7, 6.7]	11.6	[6.9, 18.9]	85.6	[78.0, 90.9]	100.0
Pearson: Uncorrected chi2(9) =	26.4518								
Design-based F(7.98, 18693.63) =	1.6484	Pr =	0.106						
<b>FPL category</b>									
0-35% (n=1,001)	1.7	[0.9, 3.3]	6.6	[4.8, 9.2]	12.9	[10.4, 15.9]	78.7	[75.1, 81.9]	100.0
36-99% (n=823)	0.7	[0.3, 1.3]	3.3	[2.2, 5.2]	10.0	[7.9, 12.5]	86.0	[83.1, 88.4]	100.0
100%+ (n=562)	1.5	[0.7, 3.1]	3.3	[2.0, 5.4]	12.3	[9.4, 15.9]	82.9	[79.0, 86.3]	100.0
Pearson: Uncorrected chi2(6) =	21.8669								
Design-based F(5.56, 13210.74) =	3.1467	Pr =	0.006						
<b>Region</b>									
UP/NW/NE (n=449)	1.2	[0.5, 2.5]	3.5	[2.1, 5.8]	13.4	[10.0, 17.7]	81.9	[77.3, 85.7]	100.0
W/E Central/E (n=776)	1.9	[1.1, 3.5]	4.3	[2.8, 6.4]	11.3	[8.9, 14.3]	82.5	[79.0, 85.4]	100.0
S Central/SW/SE (n=464)	1.0	[0.5, 2.1]	5.7	[3.6, 8.8]	12.1	[9.0, 16.0]	81.3	[76.8, 85.1]	100.0
Detroit Metro (n=697)	1.3	[0.5, 3.3]	6.0	[3.9, 9.0]	12.2	[9.3, 15.7]	80.5	[76.3, 84.2]	100.0
Pearson: Uncorrected chi2(9) =	6.7797								
Design-based F(7.10, 16856.17) =	0.5810	Pr =	0.774						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=1,929)	1.7	[1.0, 2.7]	5.1	[3.8, 6.9]	11.6	[9.8, 13.6]	81.6	[79.1, 83.9]	100.0
No (n=457)	0.6	[0.2, 1.5]	5.3	[3.4, 8.3]	13.5	[9.8, 18.3]	80.6	[75.5, 84.8]	100.0
Pearson: Uncorrected chi2(3) =	4.6297								
Design-based F(2.74, 6509.83) =	1.0170	Pr =	0.379						
<b>Total (n=2,386)</b>	1.4	[0.9, 2.3]	5.2	[4.0, 6.7]	12.0	[10.4, 13.9]	81.4	[79.1, 83.4]	100.0

Note: Total count is less than universe count due to item non-response.

**4.6.1 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about safe alcohol use?**

Follow-up group(s): Still enrolled

Universe: Respondents who had [5 or more for men, 4 or more for women] alcoholic drinks on any day in the last 7 days (n = 411)

	Health professional discussed safe alcohol use in last 12 months				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=411)	33.1	[27.4, 39.3]	66.9	[60.7, 72.6]	100.0
Pearson: Uncorrected chi2(0) =	.		.		
Design-based F(., .) =	.	Pr =	.		
<b>Age</b>					
19-34 (n=112)	31.2	[21.7, 42.5]	68.8	[57.5, 78.3]	100.0
35-50 (n=132)	31.9	[22.3, 43.3]	68.1	[56.7, 77.7]	100.0
51-64 (n=167)	37.4	[29.0, 46.6]	62.6	[53.4, 71.0]	100.0
Pearson: Uncorrected chi2(2) =	1.2648				
Design-based F(1.91, 760.34) =	0.3847	Pr =	0.671		
<b>Gender</b>					
Male (n=189)	37.4	[29.0, 46.7]	62.6	[53.3, 71.0]	100.0
Female (n=222)	28.6	[21.5, 36.9]	71.4	[63.1, 78.5]	100.0
Pearson: Uncorrected chi2(1) =	3.6136				
Design-based F(1.00, 399.00) =	2.1692	Pr =	0.142		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=257)	30.7	[23.6, 38.8]	69.3	[61.2, 76.4]	100.0
Black, non-Hispanic (n=109)	35.4	[25.2, 47.0]	64.6	[53.0, 74.8]	100.0
Hispanic (n=14)	38.6	[14.6, 69.9]	61.4	[30.1, 85.4]	100.0
Other, non-Hispanic (n=25)	39.5	[19.2, 64.0]	60.5	[36.0, 80.8]	100.0
Pearson: Uncorrected chi2(3) =	1.6273				
Design-based F(3.00, 1177.04) =	0.3155	Pr =	0.814		
<b>FPL category</b>					
0-35% (n=193)	35.8	[27.8, 44.7]	64.2	[55.3, 72.2]	100.0
36-99% (n=120)	29.8	[21.8, 39.2]	70.2	[60.8, 78.2]	100.0
100%+ (n=98)	26.8	[17.5, 38.8]	73.2	[61.2, 82.5]	100.0
Pearson: Uncorrected chi2(2) =	2.4656				
Design-based F(1.92, 767.70) =	1.1063	Pr =	0.330		
<b>Region</b>					
UP/NW/NE (n=81)	17.4	[10.6, 27.1]	82.6	[72.9, 89.4]	100.0
W/E Central/E (n=127)	41.0	[31.4, 51.3]	59.0	[48.7, 68.6]	100.0
S Central/SW/SE (n=82)	37.7	[26.8, 50.1]	62.3	[49.9, 73.2]	100.0
Detroit Metro (n=121)	29.7	[20.5, 40.9]	70.3	[59.1, 79.5]	100.0
Pearson: Uncorrected chi2(3) =	8.9913				
Design-based F(2.44, 972.81) =	2.5277	Pr =	0.069		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=326)	36.4	[29.7, 43.6]	63.6	[56.4, 70.3]	100.0
No (n=85)	22.0	[13.3, 34.2]	78.0	[65.8, 86.7]	100.0
Pearson: Uncorrected chi2(1) =	6.6742				
Design-based F(1.00, 399.00) =	4.2320	Pr =	0.040		
<b>Total (n=411)</b>	33.1	[27.4, 39.3]	66.9	[60.7, 72.6]	100.0

## 4.7 Q: In the last 30 days have you smoked or used tobacco?

Follow-up group(s): Still enrolled

Universe: All respondents

	Smoked or used tobacco in last 30 days				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	36.4	[33.9, 38.9]	63.6	[61.1, 66.1]	100.0
Pearson: Uncorrected chi2(0) =	.		.		
Design-based F(., .) =	.	Pr =	.		
<b>Age</b>					
19-34 (n=664)	31.3	[27.0, 35.9]	68.7	[64.1, 73.0]	100.0
35-50 (n=760)	39.5	[35.2, 44.0]	60.5	[56.0, 64.8]	100.0
51-64 (n=964)	38.9	[35.2, 42.6]	61.1	[57.4, 64.8]	100.0
Pearson: Uncorrected chi2(2) =	15.1531				
Design-based F(1.93, 4574.61) =	4.6514	Pr =	0.010		
<b>Gender</b>					
Male (n=933)	39.9	[36.0, 44.0]	60.1	[56.0, 64.0]	100.0
Female (n=1,455)	33.3	[30.3, 36.5]	66.7	[63.5, 69.7]	100.0
Pearson: Uncorrected chi2(1) =	11.2663				
Design-based F(1.00, 2376.00) =	6.6474	Pr =	0.010		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=1,603)	38.5	[35.5, 41.7]	61.5	[58.3, 64.5]	100.0
Black, non-Hispanic (n=479)	35.7	[30.6, 41.2]	64.3	[58.8, 69.4]	100.0
Hispanic (n=100)	29.8	[19.8, 42.2]	70.2	[57.8, 80.2]	100.0
Other, non-Hispanic (n=176)	28.6	[21.5, 36.8]	71.4	[63.2, 78.5]	100.0
Pearson: Uncorrected chi2(3) =	10.4658				
Design-based F(2.98, 6988.05) =	1.9978	Pr =	0.113		
<b>FPL category</b>					
0-35% (n=1,001)	42.1	[38.3, 46.0]	57.9	[54.0, 61.7]	100.0
36-99% (n=824)	30.4	[26.9, 34.1]	69.6	[65.9, 73.1]	100.0
100%+ (n=563)	27.2	[23.2, 31.6]	72.8	[68.4, 76.8]	100.0
Pearson: Uncorrected chi2(2) =	44.4989				
Design-based F(1.93, 4591.14) =	18.2597	Pr =	0.000		
<b>Region</b>					
UP/NW/NE (n=450)	36.3	[31.6, 41.4]	63.7	[58.6, 68.4]	100.0
W/E Central/E (n=777)	40.3	[36.4, 44.4]	59.7	[55.6, 63.6]	100.0
S Central/SW/SE (n=464)	36.5	[31.6, 41.5]	63.5	[58.5, 68.4]	100.0
Detroit Metro (n=697)	33.6	[29.4, 38.2]	66.4	[61.8, 70.6]	100.0
Pearson: Uncorrected chi2(3) =	8.3116				
Design-based F(2.59, 6164.56) =	2.2504	Pr =	0.090		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=1,931)	39.1	[36.3, 41.9]	60.9	[58.1, 63.7]	100.0
No (n=457)	26.6	[21.8, 32.0]	73.4	[68.0, 78.2]	100.0
Pearson: Uncorrected chi2(1) =	27.3401				
Design-based F(1.00, 2376.00) =	15.2385	Pr =	0.000		
<b>Total (n=2,388)</b>	36.4	[33.9, 38.9]	63.6	[61.1, 66.1]	100.0

#### 4.7.1 Q: Do you want to quit smoking or using tobacco?

Follow-up group(s): Still enrolled

Universe: Respondents who smoked or used tobacco in the last 30 days (n = 882)

	Want to quit smoking or using tobacco						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=879)	71.9	[67.8, 75.7]	26.4	[22.7, 30.4]	1.7	[0.8, 3.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=201)	64.3	[55.6, 72.2]	33.0	[25.4, 41.6]	2.7	[0.8, 8.5]	100.0
35-50 (n=308)	73.2	[65.9, 79.4]	25.5	[19.4, 32.6]	1.4	[0.2, 7.5]	100.0
51-64 (n=370)	78.0	[72.9, 82.4]	20.8	[16.6, 25.8]	1.2	[0.3, 3.9]	100.0
Pearson: Uncorrected chi2(4) =	13.6597						
Design-based F(3.48, 3015.83) =	1.6700	Pr =	0.163				
<b>Gender</b>							
Male (n=398)	70.6	[64.6, 76.0]	27.3	[22.1, 33.1]	2.1	[0.8, 5.7]	100.0
Female (n=481)	73.3	[67.3, 78.5]	25.4	[20.3, 31.2]	1.3	[0.3, 5.3]	100.0
Pearson: Uncorrected chi2(2) =	1.2915						
Design-based F(1.90, 1646.36) =	0.2817	Pr =	0.743				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=612)	67.6	[62.2, 72.6]	31.2	[26.3, 36.6]	1.1	[0.3, 4.2]	100.0
Black, non-Hispanic (n=172)	82.8	[75.2, 88.4]	15.2	[10.2, 22.0]	2.1	[0.4, 10.8]	100.0
Hispanic (n=27)	64.3	[42.5, 81.4]	28.2	[13.6, 49.4]	7.5	[1.8, 26.2]	100.0
Other, non-Hispanic (n=57)	73.3	[59.0, 83.9]	24.1	[14.1, 37.9]	2.7	[0.4, 16.6]	100.0
Pearson: Uncorrected chi2(6) =	29.2812						
Design-based F(5.25, 4495.64) =	2.6486	Pr =	0.019				
<b>FPL category</b>							
0-35% (n=448)	71.7	[65.8, 76.9]	26.4	[21.4, 32.2]	1.9	[0.6, 5.5]	100.0
36-99% (n=271)	74.6	[68.4, 79.9]	24.6	[19.4, 30.7]	0.8	[0.1, 5.7]	100.0
100%+ (n=160)	68.8	[60.1, 76.3]	28.9	[21.6, 37.5]	2.3	[0.8, 6.8]	100.0
Pearson: Uncorrected chi2(4) =	2.1297						
Design-based F(3.72, 3222.82) =	0.3967	Pr =	0.797				
<b>Region</b>							
UP/NW/NE (n=172)	71.9	[64.1, 78.5]	27.7	[21.1, 35.4]	0.5	[0.1, 3.4]	100.0
W/E Central/E (n=309)	69.8	[63.5, 75.5]	27.3	[22.0, 33.4]	2.8	[0.9, 8.2]	100.0
S Central/SW/SE (n=173)	70.1	[62.1, 77.1]	28.2	[21.5, 36.1]	1.6	[0.5, 5.5]	100.0
Detroit Metro (n=225)	74.4	[65.9, 81.3]	24.5	[17.7, 32.8]	1.1	[0.2, 7.7]	100.0
Pearson: Uncorrected chi2(6) =	4.7974						
Design-based F(4.01, 3474.08) =	0.5147	Pr =	0.725				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=759)	74.7	[70.2, 78.6]	23.4	[19.6, 27.6]	2.0	[0.9, 4.6]	100.0
No (n=120)	57.4	[45.9, 68.2]	42.3	[31.6, 53.8]	0.3	[0.0, 2.0]	100.0
Pearson: Uncorrected chi2(2) =	22.8058						
Design-based F(1.46, 1265.26) =	9.8372	Pr =	0.000				
<b>Total (n=879)</b>	<b>71.9</b>	<b>[67.8, 75.7]</b>	<b>26.4</b>	<b>[22.7, 30.4]</b>	<b>1.7</b>	<b>[0.8, 3.9]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

#### 4.7.1.1 Q: Are you working on cutting back or quitting right now?

Follow-up group(s): Still enrolled

Universe: Respondents who smoked or used tobacco in the last 30 days and want to quit smoking/using tobacco (Yes or DK) (n = 643)

	Attempting to quit smoking or using tobacco						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=641)	91.0	[87.6, 93.6]	8.7	[6.2, 12.1]	0.3	[0.1, 1.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=136)	89.2	[80.1, 94.4]	9.8	[4.8, 19.0]	1.0	[0.2, 4.3]	100.0
35-50 (n=227)	89.7	[83.0, 94.0]	10.3	[6.0, 17.0]	0.0		100.0
51-64 (n=278)	94.1	[91.1, 96.1]	5.9	[3.9, 8.9]	0.0		100.0
Pearson: Uncorrected chi2(4) =	7.8204						
Design-based F(3.49, 2196.42) =	1.3826	Pr =	0.242				
<b>Gender</b>							
Male (n=283)	90.0	[83.9, 94.0]	10.0	[6.0, 16.1]	0.0		100.0
Female (n=358)	92.0	[88.0, 94.8]	7.4	[4.7, 11.4]	0.6	[0.1, 2.4]	100.0
Pearson: Uncorrected chi2(2) =	3.0905						
Design-based F(1.88, 1184.63) =	1.1374	Pr =	0.319				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=431)	92.8	[88.6, 95.6]	7.2	[4.4, 11.4]	0.0		100.0
Black, non-Hispanic (n=142)	89.8	[81.4, 94.7]	9.9	[5.1, 18.4]	0.3	[0.0, 2.1]	100.0
Hispanic (n=18)	76.7	[48.6, 92.0]	18.3	[5.3, 47.2]	5.0	[0.7, 29.4]	100.0
Other, non-Hispanic (n=41)	88.0	[72.5, 95.3]	12.0	[4.7, 27.5]	0.0		100.0
Pearson: Uncorrected chi2(6) =	25.5468						
Design-based F(5.41, 3354.17) =	3.0172	Pr =	0.008				
<b>FPL category</b>							
0-35% (n=330)	91.9	[86.9, 95.2]	8.1	[4.8, 13.1]	0.0		100.0
36-99% (n=201)	90.6	[84.6, 94.4]	9.4	[5.6, 15.4]	0.0		100.0
100%+ (n=110)	87.3	[77.6, 93.1]	10.5	[5.3, 19.8]	2.2	[0.5, 9.2]	100.0
Pearson: Uncorrected chi2(4) =	13.0728						
Design-based F(3.24, 2035.05) =	3.3488	Pr =	0.016				
<b>Region</b>							
UP/NW/NE (n=120)	91.9	[85.2, 95.7]	8.1	[4.3, 14.8]	0.0		100.0
W/E Central/E (n=224)	94.2	[90.2, 96.6]	5.3	[3.0, 9.0]	0.6	[0.1, 4.1]	100.0
S Central/SW/SE (n=120)	89.8	[82.0, 94.4]	9.7	[5.2, 17.4]	0.5	[0.1, 3.8]	100.0
Detroit Metro (n=177)	88.9	[81.1, 93.7]	11.1	[6.3, 18.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	6.9901						
Design-based F(4.54, 2854.99) =	1.2989	Pr =	0.265				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=573)	91.7	[87.9, 94.4]	7.9	[5.3, 11.7]	0.3	[0.1, 1.4]	100.0
No (n=68)	86.1	[74.7, 92.8]	13.9	[7.2, 25.3]	0.0		100.0
Pearson: Uncorrected chi2(2) =	3.4004						
Design-based F(1.94, 1219.88) =	1.3533	Pr =	0.259				
<b>Total (n=641)</b>	91.0	[87.6, 93.6]	8.7	[6.2, 12.1]	0.3	[0.1, 1.2]	100.0

Note: Total count is less than universe count due to item non-response.

**4.7.2 Q: In the last 12 months, did you receive any advice or assistance from a health professional or your health plan on how to quit or cut back?**

Follow-up group(s): Still enrolled

Universe: Respondents who have smoked or used tobacco in the last 30 days and want to quit smoking or using tobacco (Yes or DK) (n = 643)

	Got help with reducing/quitting tobacco in last 12 months				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=639)	52.2	[47.2, 57.0]	47.8	[43.0, 52.8]	100.0
Pearson: Uncorrected chi2(0) =	.		.		
Design-based F(., .) =	.	Pr =	.		
<b>Age</b>					
19-34 (n=136)	45.1	[35.0, 55.5]	54.9	[44.5, 65.0]	100.0
35-50 (n=226)	49.0	[41.0, 57.0]	51.0	[43.0, 59.0]	100.0
51-64 (n=277)	61.9	[55.0, 68.5]	38.1	[31.5, 45.0]	100.0
Pearson: Uncorrected chi2(2) =	12.7478				
Design-based F(1.93, 1207.94) =	4.0079	Pr =	0.020		
<b>Gender</b>					
Male (n=282)	42.9	[35.9, 50.1]	57.1	[49.9, 64.1]	100.0
Female (n=357)	61.4	[55.0, 67.4]	38.6	[32.6, 45.0]	100.0
Pearson: Uncorrected chi2(1) =	21.9768				
Design-based F(1.00, 627.00) =	14.2956	Pr =	0.000		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=430)	54.6	[48.7, 60.4]	45.4	[39.6, 51.3]	100.0
Black, non-Hispanic (n=141)	51.0	[40.7, 61.1]	49.0	[38.9, 59.3]	100.0
Hispanic (n=18)	24.8	[10.2, 49.0]	75.2	[51.0, 89.8]	100.0
Other, non-Hispanic (n=41)	51.9	[34.8, 68.6]	48.1	[31.4, 65.2]	100.0
Pearson: Uncorrected chi2(3) =	8.2497				
Design-based F(2.93, 1812.58) =	1.7806	Pr =	0.150		
<b>FPL category</b>					
0-35% (n=328)	56.4	[49.5, 63.1]	43.6	[36.9, 50.5]	100.0
36-99% (n=201)	44.0	[36.6, 51.7]	56.0	[48.3, 63.4]	100.0
100%+ (n=110)	45.1	[34.8, 55.9]	54.9	[44.1, 65.2]	100.0
Pearson: Uncorrected chi2(2) =	8.5090				
Design-based F(1.95, 1219.82) =	3.7684	Pr =	0.024		
<b>Region</b>					
UP/NW/NE (n=119)	56.8	[46.4, 66.6]	43.2	[33.4, 53.6]	100.0
W/E Central/E (n=224)	53.0	[45.5, 60.5]	47.0	[39.5, 54.5]	100.0
S Central/SW/SE (n=120)	58.0	[47.3, 68.0]	42.0	[32.0, 52.7]	100.0
Detroit Metro (n=176)	48.1	[39.4, 57.0]	51.9	[43.0, 60.6]	100.0
Pearson: Uncorrected chi2(3) =	3.7385				
Design-based F(2.67, 1672.43) =	0.9997	Pr =	0.386		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=571)	53.5	[48.3, 58.7]	46.5	[41.3, 51.7]	100.0
No (n=68)	42.6	[29.1, 57.4]	57.4	[42.6, 70.9]	100.0
Pearson: Uncorrected chi2(1) =	3.3063				
Design-based F(1.00, 627.00) =	1.8737	Pr =	0.172		
<b>Total (n=639)</b>	<b>52.2</b>	<b>[47.2, 57.0]</b>	<b>47.8</b>	<b>[43.0, 52.8]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

#### 4.8 Q: In the last 30 days, have you used drugs or medications to affect your mood or help you relax?

Follow-up group(s): Still enrolled

Universe: All respondents

	Drug use in last 30 days				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,386)	5.4	[4.3, 6.7]	94.6	[93.3, 95.7]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
<b>Age</b>					
19-34 (n=663)	5.8	[3.8, 8.7]	94.2	[91.3, 96.2]	100.0
35-50 (n=759)	5.7	[3.9, 8.2]	94.3	[91.8, 96.1]	100.0
51-64 (n=964)	4.5	[3.2, 6.3]	95.5	[93.7, 96.8]	100.0
Pearson: Uncorrected chi2(2) =	1.5097				
Design-based F(1.88, 4461.17) =	0.4594	Pr =	0.620		
<b>Gender</b>					
Male (n=932)	6.1	[4.4, 8.3]	93.9	[91.7, 95.6]	100.0
Female (n=1,454)	4.8	[3.5, 6.6]	95.2	[93.4, 96.5]	100.0
Pearson: Uncorrected chi2(1) =	1.8255				
Design-based F(1.00, 2374.00) =	1.0176	Pr =	0.313		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=1,602)	4.8	[3.7, 6.2]	95.2	[93.8, 96.3]	100.0
Black, non-Hispanic (n=479)	6.4	[3.8, 10.6]	93.6	[89.4, 96.2]	100.0
Hispanic (n=100)	7.2	[3.1, 15.8]	92.8	[84.2, 96.9]	100.0
Other, non-Hispanic (n=175)	5.5	[2.7, 10.8]	94.5	[89.2, 97.3]	100.0
Pearson: Uncorrected chi2(3) =	3.0466				
Design-based F(2.83, 6641.51) =	0.5690	Pr =	0.626		
<b>FPL category</b>					
0-35% (n=1,000)	6.1	[4.4, 8.4]	93.9	[91.6, 95.6]	100.0
36-99% (n=823)	5.1	[3.6, 7.2]	94.9	[92.8, 96.4]	100.0
100%+ (n=563)	3.5	[2.2, 5.4]	96.5	[94.6, 97.8]	100.0
Pearson: Uncorrected chi2(2) =	4.6060				
Design-based F(1.88, 4461.63) =	1.9699	Pr =	0.143		
<b>Region</b>					
UP/NW/NE (n=450)	4.2	[2.4, 7.4]	95.8	[92.6, 97.6]	100.0
W/E Central/E (n=775)	4.3	[3.0, 6.2]	95.7	[93.8, 97.0]	100.0
S Central/SW/SE (n=464)	7.8	[5.4, 11.1]	92.2	[88.9, 94.6]	100.0
Detroit Metro (n=697)	5.4	[3.5, 8.1]	94.6	[91.9, 96.5]	100.0
Pearson: Uncorrected chi2(3) =	6.5814				
Design-based F(2.63, 6234.59) =	1.6679	Pr =	0.178		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=1,930)	6.0	[4.6, 7.6]	94.0	[92.4, 95.4]	100.0
No (n=456)	3.3	[1.9, 5.5]	96.7	[94.5, 98.1]	100.0
Pearson: Uncorrected chi2(1) =	5.6868				
Design-based F(1.00, 2374.00) =	4.2773	Pr =	0.039		
<b>Total (n=2,386)</b>	<b>5.4</b>	<b>[4.3, 6.7]</b>	<b>94.6</b>	<b>[93.3, 95.7]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

#### 4.8.1 Q: How often?

Follow-up group(s): Still enrolled

Universe: Respondents who used drugs in the last 30 days (n = 131)

	Drug use frequency								Total Row%
	Almost every day Row%	95%CI	Sometimes Row%	95%CI	Rarely Row%	95%CI	Never Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=131)	49.9	[38.6, 61.2]	26.7	[17.7, 38.1]	21.6	[12.8, 34.0]	1.9	[0.3, 12.3]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		
Design-based F(., .) =	.	Pr =	.		.		.		
<b>Age</b>									
19-34 (n=38)	43.0	[24.4, 63.7]	27.8	[14.6, 46.5]	29.2	[12.8, 53.8]	0.0		100.0
35-50 (n=45)	51.1	[33.3, 68.6]	24.7	[11.2, 46.2]	19.3	[9.1, 36.5]	4.8	[0.7, 27.9]	100.0
51-64 (n=48)	59.3	[40.8, 75.6]	28.0	[13.7, 48.7]	12.7	[5.0, 28.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	7.6467								
Design-based F(5.51, 655.99) =	0.7522	Pr =	0.597						
<b>Gender</b>									
Male (n=60)	56.8	[40.2, 72.0]	28.0	[15.2, 45.9]	15.1	[7.1, 29.4]	0.0		100.0
Female (n=71)	42.4	[28.4, 57.7]	25.2	[14.6, 39.8]	28.5	[14.7, 48.1]	3.9	[0.5, 23.1]	100.0
Pearson: Uncorrected chi2(3) =	6.8241								
Design-based F(2.92, 346.95) =	1.1935	Pr =	0.312						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=84)	47.6	[34.9, 60.6]	25.8	[16.0, 38.8]	23.0	[13.6, 36.3]	3.5	[0.5, 21.4]	100.0
Black, non-Hispanic (n=28)	46.8	[23.4, 71.8]	22.6	[7.1, 52.5]	30.6	[11.2, 60.5]	0.0		100.0
Hispanic (n=7)	48.6	[16.2, 82.2]	51.4	[17.8, 83.8]	0.0		0.0		100.0
Other, non-Hispanic (n=11)	70.7	[31.8, 92.6]	29.3	[7.4, 68.2]	0.0		0.0		100.0
Pearson: Uncorrected chi2(9) =	11.5902								
Design-based F(7.01, 826.76) =	0.7544	Pr =	0.626						
<b>FPL category</b>									
0-35% (n=63)	50.2	[34.5, 65.9]	27.2	[15.2, 43.7]	19.7	[8.9, 38.2]	2.9	[0.4, 18.2]	100.0
36-99% (n=45)	45.4	[29.9, 61.8]	27.0	[14.0, 45.7]	27.7	[13.9, 47.5]	0.0		100.0
100%+ (n=23)	58.0	[36.1, 77.2]	22.9	[10.5, 42.8]	19.1	[5.9, 47.2]	0.0		100.0
Pearson: Uncorrected chi2(6) =	2.4849								
Design-based F(4.41, 524.53) =	0.3384	Pr =	0.869						
<b>Region</b>									
UP/NW/NE (n=19)	54.2	[26.4, 79.7]	21.8	[8.2, 46.3]	24.0	[8.4, 52.3]	0.0		100.0
W/E Central/E (n=38)	54.7	[37.5, 70.9]	25.8	[13.7, 43.2]	19.5	[8.7, 38.2]	0.0		100.0
S Central/SW/SE (n=37)	51.0	[32.7, 69.1]	23.5	[11.5, 42.1]	17.9	[8.0, 35.2]	7.6	[1.1, 38.8]	100.0
Detroit Metro (n=37)	45.9	[26.8, 66.2]	29.7	[14.0, 52.2]	24.4	[9.5, 49.9]	0.0		100.0
Pearson: Uncorrected chi2(9) =	8.7950								
Design-based F(6.25, 743.62) =	0.8430	Pr =	0.541						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=114)	53.0	[40.3, 65.4]	26.0	[16.4, 38.6]	18.9	[9.9, 33.0]	2.1	[0.3, 13.9]	100.0
No (n=17)	28.0	[10.2, 57.0]	31.6	[13.0, 58.7]	40.4	[18.4, 67.1]	0.0		100.0
Pearson: Uncorrected chi2(3) =	5.3950								
Design-based F(2.80, 333.17) =	1.0842	Pr =	0.353						
<b>Total (n=131)</b>	49.9	[38.6, 61.2]	26.7	[17.7, 38.1]	21.6	[12.8, 34.0]	1.9	[0.3, 12.3]	100.0

**4.8.1.1 Q: In the last 12 months, has a doctor, nurse, or other health professional talked with you about your use of these drugs or medications?**

Follow-up group(s): Still enrolled

Universe: Respondents who used drugs almost every day/sometimes in the last 30 days (n = 104)

	Health professional discussed drug use in last 12 months				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=99)	43.8	[32.5, 55.8]	56.2	[44.2, 67.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.		
Design-based F(., .) =	.	Pr =	.		
<b>Age</b>					
19-34 (n=27)	39.7	[22.2, 60.4]	60.3	[39.6, 77.8]	100.0
35-50 (n=31)	37.3	[20.6, 57.8]	62.7	[42.2, 79.4]	100.0
51-64 (n=41)	57.7	[40.5, 73.2]	42.3	[26.8, 59.5]	100.0
Pearson: Uncorrected chi2(2) =	2.9706				
Design-based F(1.85, 160.71) =	1.1822	Pr =	0.307		
<b>Gender</b>					
Male (n=47)	46.8	[29.8, 64.6]	53.2	[35.4, 70.2]	100.0
Female (n=52)	39.9	[25.7, 56.0]	60.1	[44.0, 74.3]	100.0
Pearson: Uncorrected chi2(1) =	0.4786				
Design-based F(1.00, 87.00) =	0.3130	Pr =	0.577		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=63)	46.5	[32.4, 61.2]	53.5	[38.8, 67.6]	100.0
Black, non-Hispanic (n=19)	31.9	[12.2, 61.1]	68.1	[38.9, 87.8]	100.0
Hispanic (n=6)	35.8	[9.6, 74.4]	64.2	[25.6, 90.4]	100.0
Other, non-Hispanic (n=10)	62.5	[26.4, 88.5]	37.5	[11.5, 73.6]	100.0
Pearson: Uncorrected chi2(3) =	3.5946				
Design-based F(2.92, 251.25) =	0.7342	Pr =	0.529		
<b>FPL category</b>					
0-35% (n=47)	49.0	[32.8, 65.5]	51.0	[34.5, 67.2]	100.0
36-99% (n=32)	26.3	[13.3, 45.4]	73.7	[54.6, 86.7]	100.0
100%+ (n=20)	49.3	[27.2, 71.6]	50.7	[28.4, 72.8]	100.0
Pearson: Uncorrected chi2(2) =	3.7050				
Design-based F(1.92, 166.98) =	2.0059	Pr =	0.140		
<b>Region</b>					
UP/NW/NE (n=14)	58.3	[25.7, 85.0]	41.7	[15.0, 74.3]	100.0
W/E Central/E (n=28)	77.3	[59.0, 89.0]	22.7	[11.0, 41.0]	100.0
S Central/SW/SE (n=27)	29.8	[14.1, 52.2]	70.2	[47.8, 85.9]	100.0
Detroit Metro (n=30)	30.3	[14.2, 53.2]	69.7	[46.8, 85.8]	100.0
Pearson: Uncorrected chi2(3) =	16.9365				
Design-based F(2.75, 238.91) =	4.9319	Pr =	0.003		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=89)	43.8	[31.6, 56.8]	56.2	[43.2, 68.4]	100.0
No (n=10)	44.1	[16.0, 76.6]	55.9	[23.4, 84.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0003				
Design-based F(1.00, 87.00) =	0.0002	Pr =	0.988		
<b>Total (n=99)</b>	<b>43.8</b>	<b>[32.5, 55.8]</b>	<b>56.2</b>	<b>[44.2, 67.5]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

#### 4.9 Q: In the last year, did you discuss the Health Risk Assessment with your doctor or someone at your primary care provider's office?

Follow-up group(s): Still enrolled

Universe: All respondents

	Discussed HRA with provider in the last year						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,385)	45.9	[43.3, 48.5]	44.8	[42.2, 47.4]	9.3	[7.9, 10.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=661)	41.0	[36.4, 45.7]	48.1	[43.3, 52.9]	11.0	[8.2, 14.6]	100.0
35-50 (n=760)	45.5	[41.1, 50.0]	46.1	[41.6, 50.7]	8.4	[6.4, 10.8]	100.0
51-64 (n=964)	52.5	[48.6, 56.3]	39.1	[35.4, 42.9]	8.4	[6.5, 10.8]	100.0
Pearson: Uncorrected chi2(4) =	22.4303						
Design-based F(3.82, 9076.16) =	3.5663	Pr =	0.007				
<b>Gender</b>							
Male (n=932)	41.4	[37.5, 45.4]	48.9	[44.8, 53.1]	9.7	[7.5, 12.4]	100.0
Female (n=1,453)	49.8	[46.4, 53.1]	41.2	[38.0, 44.6]	9.0	[7.3, 11.1]	100.0
Pearson: Uncorrected chi2(2) =	17.1227						
Design-based F(2.00, 4741.69) =	5.0284	Pr =	0.007				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,601)	44.4	[41.3, 47.5]	44.5	[41.3, 47.7]	11.1	[9.2, 13.4]	100.0
Black, non-Hispanic (n=478)	52.3	[46.6, 57.9]	43.8	[38.2, 49.6]	3.9	[2.5, 6.2]	100.0
Hispanic (n=100)	43.8	[32.7, 55.6]	48.0	[36.2, 59.9]	8.2	[4.0, 16.0]	100.0
Other, non-Hispanic (n=176)	37.8	[29.6, 46.9]	46.9	[37.9, 56.2]	15.2	[9.1, 24.5]	100.0
Pearson: Uncorrected chi2(6) =	41.9822						
Design-based F(5.77, 13507.44) =	4.0513	Pr =	0.001				
<b>FPL category</b>							
0-35% (n=999)	46.7	[42.9, 50.7]	43.8	[39.8, 47.8]	9.5	[7.4, 12.1]	100.0
36-99% (n=823)	46.0	[41.8, 50.1]	45.1	[41.0, 49.3]	8.9	[6.9, 11.4]	100.0
100%+ (n=563)	43.2	[38.6, 48.0]	47.4	[42.6, 52.3]	9.3	[7.0, 12.4]	100.0
Pearson: Uncorrected chi2(4) =	1.9934						
Design-based F(3.83, 9080.02) =	0.3887	Pr =	0.809				
<b>Region</b>							
UP/NW/NE (n=450)	43.3	[38.3, 48.5]	47.5	[42.2, 52.8]	9.2	[6.6, 12.7]	100.0
W/E Central/E (n=777)	49.6	[45.5, 53.7]	39.5	[35.5, 43.7]	10.9	[8.7, 13.6]	100.0
S Central/SW/SE (n=462)	44.2	[39.1, 49.5]	49.3	[44.1, 54.6]	6.5	[4.4, 9.4]	100.0
Detroit Metro (n=696)	44.6	[40.0, 49.3]	46.0	[41.3, 50.8]	9.4	[6.9, 12.6]	100.0
Pearson: Uncorrected chi2(6) =	15.4665						
Design-based F(5.18, 12298.55) =	2.0936	Pr =	0.061				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,930)	48.9	[46.0, 51.8]	41.8	[38.9, 44.8]	9.3	[7.8, 11.1]	100.0
No (n=455)	35.1	[30.1, 40.5]	55.5	[49.8, 61.0]	9.4	[6.4, 13.5]	100.0
Pearson: Uncorrected chi2(2) =	33.4759						
Design-based F(1.99, 4715.47) =	9.4755	Pr =	0.000				
<b>Total (n=2,385)</b>	45.9	[43.3, 48.5]	44.8	[42.2, 47.4]	9.3	[7.9, 10.9]	100.0

Note: Total count is less than universe count due to item non-response.

#### 4.9.1 Q: What healthy behavior did you choose to work on?

Follow-up group(s): Still enrolled

Universe: Respondents who discussed the Health Risk Assessment with a doctor or someone at their primary care provider's office in the last year (n = 1,163)

HRA healthy behavior	Weighted Proportion	95%CI
At least one healthy behavior (n=1,042)	88.5	[85.8, 90.8]
Nutrition/diet (n=418)	38.6	[35.0, 42.2]
Exercise/activity (n=387)	33.9	[30.6, 37.4]
Reduce/quit tobacco use (n=188)	14.4	[12.2, 16.8]
Lose weight (n=178)	13.3	[11.2, 15.8]
Don't remember (n=110)	10.5	[8.3, 13.1]
Reduce stress/mental health care (n=48)	4.5	[3.1, 6.6]
Other (n=41)	2.9	[2.1, 4.1]
Monitor my blood pressure/sugar (n=30)	2.7	[1.8, 4.1]
Reduce/quit alcohol use (n=16)	1.4	[0.8, 2.5]
Return to doctor (n=6)	0.7	[0.2, 2.2]
Take medicine regularly (n=7)	0.5	[0.2, 1.1]
Treatment for substance use (n=4)	0.3	[0.1, 0.8]
Flu shot (n=1)	0.2	[0.0, 1.3]

Note: Respondents were able to provide multiple responses

##### 4.9.1.1 Q: Why did you choose to work on this healthy behavior?

Follow-up group(s): Still enrolled

Universe: Respondents who chose to work on at least one healthy behavior (n = 1,042)

	Wanted to do anyway		Doctor suggested		Reasons for choosing healthy behavior				Easy to do		HMP covers cost	
	Percent	95%CI	Percent	95%CI	Improve condition		Other		Percent	95%CI	Percent	95%CI
Nutrition/diet (n=418)	71.2	[65.4, 76.3]	30.5	[25.3, 36.2]	14.7	[11.1, 19.2]	2.9	[1.3, 6.1]	0.9	[0.3, 2.2]	0.1	[0.0, 0.8]
Exercise/activity (n=387)	77.6	[72.3, 82.2]	31.4	[26.1, 37.2]	12.4	[8.8, 17.0]	2.0	[0.9, 4.6]	3.8	[2.0, 7.0]		
Reduce/quit tobacco use (n=188)	82.7	[75.5, 88.0]	25.4	[19.0, 33.1]	4.6	[2.0, 10.1]	1.7	[0.5, 5.4]			0.6	[0.1, 2.4]
Lose weight (n=178)	76.0	[66.9, 83.2]	25.7	[19.0, 33.8]	16.1	[10.1, 24.7]	0.5	[0.1, 2.2]	0.7	[0.2, 2.7]	0.3	[0.0, 2.3]
Reduce stress/mental health care (n=48)	83.7	[83.7, 83.7]	19.5	[19.5, 19.5]	8.1	[8.1, 8.1]	2.6	[2.6, 2.6]				
Other (n=41)	57.8	[57.8, 57.8]	16.8	[16.8, 16.8]	5.6	[5.6, 5.6]	9.2	[9.2, 9.2]				
Monitor blood pressure/sugar (n=30)	63.9	[63.9, 63.9]	50.4	[50.4, 50.4]	8.3	[8.3, 8.3]						
Reduce/quit alcohol use (n=16)	65.7	[65.7, 65.7]	17.8	[17.8, 17.8]	3.9	[3.9, 3.9]	12.6	[12.6, 12.6]				

Note: Respondents were able to provide multiple responses

- 5 Aim 5: To understand HMP enrollees' decisions about when, where and how to seek care, including decisions about emergency department utilization.**

## 5.1 Q: In the last 12 months, is there a place you usually go when you need a checkup, feel sick, or want advice about your health?

Follow-up group(s): Still enrolled

Universe: All respondents

	Regular source of care in last 12 months						Total Row%
	Yes		No		NA		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,386)	93.8	[92.4, 95.0]	4.1	[3.2, 5.3]	2.1	[1.4, 3.0]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	92.3	[89.4, 94.4]	4.9	[3.3, 7.2]	2.8	[1.6, 5.1]	100.0
35-50 (n=760)	93.6	[91.0, 95.6]	4.7	[3.0, 7.3]	1.6	[0.9, 2.9]	100.0
51-64 (n=962)	95.9	[94.2, 97.2]	2.4	[1.6, 3.7]	1.7	[0.9, 3.2]	100.0
Pearson: Uncorrected chi2(4) =	11.3533						
Design-based F(3.76, 8915.29) =	1.8965	Pr =	0.113				
<b>Gender</b>							
Male (n=932)	90.8	[88.2, 92.9]	5.8	[4.2, 8.0]	3.4	[2.1, 5.3]	100.0
Female (n=1,454)	96.4	[94.9, 97.4]	2.7	[1.7, 4.1]	0.9	[0.6, 1.6]	100.0
Pearson: Uncorrected chi2(2) =	33.4893						
Design-based F(1.92, 4551.54) =	11.5537	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,601)	93.8	[92.0, 95.2]	3.9	[2.8, 5.3]	2.3	[1.5, 3.5]	100.0
Black, non-Hispanic (n=479)	95.1	[91.7, 97.2]	3.5	[1.8, 6.6]	1.4	[0.5, 3.9]	100.0
Hispanic (n=100)	90.8	[81.6, 95.7]	9.2	[4.3, 18.4]	0.0		100.0
Other, non-Hispanic (n=176)	90.6	[83.7, 94.8]	5.6	[2.6, 11.4]	3.8	[1.5, 9.7]	100.0
Pearson: Uncorrected chi2(6) =	16.0560						
Design-based F(5.83, 13669.62) =	1.4155	Pr =	0.206				
<b>FPL category</b>							
0-35% (n=999)	93.6	[91.5, 95.3]	4.7	[3.4, 6.6]	1.7	[0.9, 3.1]	100.0
36-99% (n=824)	94.6	[92.1, 96.3]	3.1	[1.9, 4.9]	2.4	[1.3, 4.5]	100.0
100%+ (n=563)	93.3	[89.9, 95.6]	3.9	[2.1, 7.2]	2.8	[1.6, 4.8]	100.0
Pearson: Uncorrected chi2(4) =	5.2640						
Design-based F(3.86, 9169.98) =	0.8456	Pr =	0.493				
<b>Region</b>							
UP/NW/NE (n=450)	94.0	[90.9, 96.1]	2.9	[1.6, 5.3]	3.0	[1.6, 5.6]	100.0
W/E Central/E (n=777)	94.3	[92.0, 96.0]	4.1	[2.7, 6.1]	1.6	[0.8, 3.0]	100.0
S Central/SW/SE (n=463)	92.5	[88.8, 95.0]	5.1	[3.0, 8.6]	2.4	[1.3, 4.5]	100.0
Detroit Metro (n=696)	93.9	[91.2, 95.8]	4.0	[2.6, 6.3]	2.0	[1.0, 4.1]	100.0
Pearson: Uncorrected chi2(6) =	3.8307						
Design-based F(5.20, 12334.31) =	0.4817	Pr =	0.797				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,930)	95.7	[94.4, 96.8]	3.0	[2.2, 4.2]	1.2	[0.7, 2.2]	100.0
No (n=456)	86.8	[82.3, 90.3]	8.2	[5.4, 12.1]	5.0	[3.1, 8.1]	100.0
Pearson: Uncorrected chi2(2) =	57.5040						
Design-based F(2.00, 4747.98) =	16.1040	Pr =	0.000				
<b>Total (n=2,386)</b>	93.8	[92.4, 95.0]	4.1	[3.2, 5.3]	2.1	[1.4, 3.0]	100.0

Note: Total count is less than universe count due to item non-response.

### 5.1.1 Q: What kind of a place was it?

Follow-up group(s): Still enrolled

Universe: Respondents who had a regular source of care in last 12 months (n = 2,261)

	Clinic		Doctor's office		Urgent care/Walk-in clinic		Emergency room		Other		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,226)	20.5	[18.5, 22.7]	69.7	[67.2, 72.1]	6.1	[4.9, 7.7]	2.6	[1.7, 4.0]	1.0	[0.6, 1.5]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		.		
Design-based F(., .) =	.	Pr =	.		.		.		.		.		
<b>Age</b>													
19-34 (n=601)	19.4	[15.7, 23.9]	68.2	[63.2, 72.8]	7.1	[5.1, 9.9]	4.4	[2.5, 7.7]	0.8	[0.4, 1.8]	0.0		100.0
35-50 (n=715)	17.5	[14.5, 21.0]	72.6	[68.3, 76.6]	6.7	[4.4, 10.1]	2.5	[1.3, 4.9]	0.6	[0.2, 1.7]	0.0		100.0
51-64 (n=910)	25.3	[22.2, 28.8]	68.0	[64.3, 71.5]	4.2	[2.7, 6.4]	0.7	[0.2, 1.9]	1.7	[0.9, 3.0]	0.2	[0.0, 1.3]	100.0
Pearson: Uncorrected chi2(10) =	45.0215												
Design-based F(9.14, 20240.25) =	2.7714	Pr =	0.003										
<b>Gender</b>													
Male (n=837)	22.9	[19.5, 26.7]	65.1	[60.8, 69.2]	6.7	[4.7, 9.4]	4.0	[2.3, 6.8]	1.3	[0.7, 2.4]	0.0		100.0
Female (n=1,389)	18.6	[16.3, 21.1]	73.4	[70.4, 76.2]	5.7	[4.2, 7.6]	1.5	[0.8, 2.8]	0.7	[0.4, 1.4]	0.1	[0.0, 0.7]	100.0
Pearson: Uncorrected chi2(5) =	27.1240												
Design-based F(4.65, 10284.09) =	3.3642	Pr =	0.006										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,496)	19.1	[16.7, 21.7]	73.6	[70.6, 76.3]	5.0	[3.8, 6.6]	1.4	[0.7, 2.7]	0.9	[0.5, 1.6]	0.1	[0.0, 0.7]	100.0
Black, non-Hispanic (n=455)	22.3	[18.2, 27.1]	61.4	[55.7, 66.9]	9.0	[5.9, 13.5]	5.7	[3.2, 10.1]	1.5	[0.7, 3.0]	0.0		100.0
Hispanic (n=90)	33.9	[22.6, 47.4]	58.7	[45.4, 70.8]	3.3	[0.5, 19.9]	4.0	[1.2, 12.4]	0.0		0.0		100.0
Other, non-Hispanic (n=155)	15.7	[9.9, 24.0]	77.4	[68.6, 84.3]	5.6	[2.7, 11.1]	1.1	[0.3, 4.4]	0.2	[0.0, 1.6]	0.0		100.0
Pearson: Uncorrected chi2(15) =	73.9574												
Design-based F(12.84, 28045.24) =	2.9949	Pr =	0.000										
<b>FPL category</b>													
0-35% (n=923)	19.6	[16.7, 22.8]	70.1	[66.2, 73.6]	5.9	[4.1, 8.5]	3.4	[2.0, 5.7]	1.1	[0.6, 2.0]	0.0		100.0
36-99% (n=773)	21.7	[18.1, 25.7]	70.5	[66.3, 74.4]	6.0	[4.3, 8.2]	0.9	[0.4, 2.2]	0.9	[0.4, 1.9]	0.0		100.0
100%+ (n=530)	21.7	[18.1, 25.7]	67.5	[62.6, 71.9]	6.9	[4.6, 10.3]	2.9	[1.3, 6.4]	0.8	[0.3, 2.1]	0.3	[0.0, 2.1]	100.0
Pearson: Uncorrected chi2(10) =	17.3500												
Design-based F(8.62, 19091.97) =	1.3917	Pr =	0.189										
<b>Region</b>													
UP/NW/NE (n=420)	31.6	[26.7, 36.9]	62.2	[56.8, 67.3]	4.0	[2.4, 6.6]	0.8	[0.3, 2.4]	1.4	[0.6, 3.3]	0.0		100.0
W/E Central/E (n=727)	18.5	[15.5, 21.8]	73.6	[69.7, 77.2]	3.8	[2.6, 5.6]	3.4	[1.8, 6.1]	0.8	[0.4, 1.7]	0.0		100.0
S Central/SW/SE (n=429)	26.5	[22.0, 31.6]	61.7	[56.2, 66.9]	9.4	[6.4, 13.6]	2.0	[0.7, 5.1]	0.4	[0.1, 1.4]	0.0		100.0
Detroit Metro (n=650)	17.3	[13.9, 21.2]	71.7	[67.0, 75.9]	6.9	[4.7, 10.0]	2.8	[1.4, 5.5]	1.3	[0.7, 2.4]	0.1	[0.0, 0.9]	100.0
Pearson: Uncorrected chi2(15) =	56.4459												
Design-based F(10.67, 23631.89) =	3.3436	Pr =	0.000										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,830)	20.6	[18.3, 23.0]	70.4	[67.6, 73.1]	5.2	[4.0, 6.8]	2.6	[1.6, 4.2]	1.1	[0.7, 1.8]	0.1	[0.0, 0.5]	100.0
No (n=396)	20.2	[15.8, 25.3]	66.8	[60.8, 72.4]	9.6	[6.2, 14.7]	2.8	[1.3, 5.8]	0.6	[0.2, 1.6]	0.0		100.0
Pearson: Uncorrected chi2(5) =	13.3402												
Design-based F(4.48, 9920.86) =	1.7080	Pr =	0.137										
<b>Total (n=2,226)</b>	20.5	[18.5, 22.7]	69.7	[67.2, 72.1]	6.1	[4.9, 7.7]	2.6	[1.7, 4.0]	1.0	[0.6, 1.5]	0.1	[0.0, 0.4]	100.0

Note: Total count is less than universe count due to item non-response.

## 5.1.2 Regular source of care in last 12 months, detailed

Follow-up group(s): Still enrolled

Universe: All respondents

	Regular source of care in last 12 months, detailed								Total Row%
	Doctor/Clinic Row%	95%CI	Urgent care/Walk-in clinic Row%	95%CI	Emergency room Row%	95%CI	None Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=2,329)	85.4	[83.3, 87.3]	5.8	[4.6, 7.2]	2.5	[1.6, 3.8]	6.3	[5.2, 7.8]	100.0
Pearson: Uncorrected chi2(0) =	.								
Design-based F(., .) =	.	Pr =	.						
<b>Age</b>									
19-34 (n=641)	81.3	[77.2, 84.8]	6.6	[4.7, 9.2]	4.1	[2.3, 7.2]	8.0	[5.8, 11.0]	100.0
35-50 (n=750)	84.9	[80.9, 88.1]	6.3	[4.2, 9.5]	2.4	[1.2, 4.6]	6.4	[4.5, 9.1]	100.0
51-64 (n=938)	91.1	[88.4, 93.2]	4.1	[2.6, 6.3]	0.6	[0.2, 1.8]	4.2	[2.9, 6.0]	100.0
Pearson: Uncorrected chi2(6) =	35.2145								
Design-based F(5.57, 12900.10) =	3.2927	Pr =	0.004						
<b>Gender</b>									
Male (n=905)	80.7	[77.0, 84.0]	6.1	[4.3, 8.6]	3.7	[2.1, 6.3]	9.5	[7.3, 12.2]	100.0
Female (n=1,424)	89.3	[86.9, 91.3]	5.5	[4.1, 7.4]	1.5	[0.8, 2.7]	3.7	[2.6, 5.2]	100.0
Pearson: Uncorrected chi2(3) =	46.8337								
Design-based F(2.95, 6842.14) =	8.0648	Pr =	0.000						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=1,569)	87.7	[85.4, 89.7]	4.7	[3.6, 6.2]	1.3	[0.7, 2.6]	6.3	[4.9, 8.1]	100.0
Black, non-Hispanic (n=466)	80.8	[75.2, 85.3]	8.7	[5.7, 13.0]	5.5	[3.0, 9.8]	5.0	[2.9, 8.5]	100.0
Hispanic (n=98)	83.9	[72.4, 91.2]	3.0	[0.4, 18.3]	3.7	[1.1, 11.3]	9.4	[4.4, 18.8]	100.0
Other, non-Hispanic (n=168)	84.2	[76.6, 89.7]	5.1	[2.5, 10.1]	1.0	[0.2, 4.0]	9.7	[5.4, 16.8]	100.0
Pearson: Uncorrected chi2(9) =	55.1321								
Design-based F(8.14, 18634.72) =	3.1502	Pr =	0.001						
<b>FPL category</b>									
0-35% (n=973)	84.7	[81.4, 87.5]	5.6	[3.9, 8.0]	3.2	[1.9, 5.4]	6.5	[4.9, 8.7]	100.0
36-99% (n=802)	87.9	[84.7, 90.4]	5.7	[4.1, 7.9]	0.9	[0.3, 2.1]	5.6	[3.8, 8.2]	100.0
100%+ (n=554)	83.9	[79.4, 87.6]	6.5	[4.3, 9.7]	2.7	[1.2, 6.0]	6.8	[4.5, 10.3]	100.0
Pearson: Uncorrected chi2(6) =	10.9039								
Design-based F(5.70, 13209.20) =	1.1465	Pr =	0.333						
<b>Region</b>									
UP/NW/NE (n=439)	89.3	[85.6, 92.2]	3.8	[2.3, 6.3]	0.8	[0.2, 2.3]	6.2	[4.0, 9.3]	100.0
W/E Central/E (n=758)	87.4	[84.2, 90.1]	3.6	[2.4, 5.3]	3.2	[1.7, 5.8]	5.8	[4.1, 8.1]	100.0
S Central/SW/SE (n=457)	81.8	[76.9, 85.9]	8.7	[5.9, 12.7]	1.8	[0.7, 4.7]	7.6	[5.1, 11.3]	100.0
Detroit Metro (n=675)	84.6	[80.6, 87.9]	6.5	[4.4, 9.5]	2.6	[1.3, 5.3]	6.2	[4.3, 9.0]	100.0
Pearson: Uncorrected chi2(9) =	21.7452								
Design-based F(7.25, 16806.90) =	1.6611	Pr =	0.111						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=1,882)	88.0	[85.8, 90.0]	5.1	[3.9, 6.6]	2.5	[1.5, 4.1]	4.4	[3.3, 5.8]	100.0
No (n=447)	75.8	[70.2, 80.6]	8.4	[5.4, 12.9]	2.4	[1.1, 5.1]	13.4	[9.9, 17.9]	100.0
Pearson: Uncorrected chi2(3) =	65.8187								
Design-based F(2.98, 6901.25) =	11.0397	Pr =	0.000						
<b>Total (n=2,329)</b>	<b>85.4</b>	<b>[83.3, 87.3]</b>	<b>5.8</b>	<b>[4.6, 7.2]</b>	<b>2.5</b>	<b>[1.6, 3.8]</b>	<b>6.3</b>	<b>[5.2, 7.8]</b>	<b>100.0</b>

Note: Respondents were coded as "none" if they reported no regular source of care or "NA."

**5.1.2.1 Q: Is this your primary care provider for your Healthy Michigan Plan coverage?**

Follow-up group(s): Still enrolled

Universe: Respondents who had a regular source of care that was a clinic/doctor's office in last 12 months (n = 2,083)

	Regular source of care is HMP PCP						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,083)	96.7	[95.4, 97.6]	3.0	[2.1, 4.3]	0.3	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=543)	94.8	[91.5, 96.9]	4.6	[2.7, 7.9]	0.6	[0.2, 2.1]	100.0
35-50 (n=663)	97.8	[96.1, 98.7]	2.0	[1.1, 3.6]	0.2	[0.0, 1.4]	100.0
51-64 (n=877)	97.5	[95.7, 98.5]	2.4	[1.4, 4.2]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(4) =	12.4809						
Design-based F(3.40, 7051.08) =	2.3689	Pr =	0.061				
<b>Gender</b>							
Male (n=768)	96.8	[94.2, 98.2]	2.9	[1.6, 5.5]	0.3	[0.0, 1.9]	100.0
Female (n=1,315)	96.6	[95.1, 97.6]	3.1	[2.1, 4.5]	0.3	[0.1, 0.9]	100.0
Pearson: Uncorrected chi2(2) =	0.0913						
Design-based F(1.99, 4116.32) =	0.0220	Pr =	0.978				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,415)	96.4	[94.5, 97.7]	3.2	[2.0, 5.1]	0.4	[0.1, 1.3]	100.0
Black, non-Hispanic (n=405)	97.0	[94.6, 98.4]	2.8	[1.5, 5.3]	0.1	[0.0, 0.8]	100.0
Hispanic (n=88)	97.9	[91.6, 99.5]	2.1	[0.5, 8.4]	0.0		100.0
Other, non-Hispanic (n=150)	97.6	[93.3, 99.2]	1.8	[0.5, 6.0]	0.6	[0.1, 4.2]	100.0
Pearson: Uncorrected chi2(6) =	3.0192						
Design-based F(5.43, 11108.04) =	0.3881	Pr =	0.871				
<b>FPL category</b>							
0-35% (n=858)	97.1	[95.4, 98.2]	2.6	[1.6, 4.1]	0.3	[0.1, 1.4]	100.0
36-99% (n=733)	97.0	[93.1, 98.7]	2.9	[1.2, 6.8]	0.1	[0.0, 0.4]	100.0
100%+ (n=492)	94.9	[91.8, 96.9]	4.6	[2.8, 7.7]	0.5	[0.1, 2.0]	100.0
Pearson: Uncorrected chi2(4) =	5.1635						
Design-based F(3.01, 6227.05) =	0.8636	Pr =	0.459				
<b>Region</b>							
UP/NW/NE (n=401)	96.9	[93.8, 98.4]	3.0	[1.5, 6.1]	0.1	[0.0, 1.0]	100.0
W/E Central/E (n=692)	96.9	[94.9, 98.1]	2.5	[1.5, 4.2]	0.6	[0.1, 2.5]	100.0
S Central/SW/SE (n=392)	96.6	[93.7, 98.2]	3.1	[1.6, 6.1]	0.3	[0.1, 1.2]	100.0
Detroit Metro (n=598)	96.5	[93.8, 98.1]	3.4	[1.8, 6.1]	0.1	[0.0, 0.9]	100.0
Pearson: Uncorrected chi2(6) =	4.1272						
Design-based F(4.76, 9849.89) =	0.6233	Pr =	0.674				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,723)	96.8	[95.4, 97.8]	2.8	[1.9, 4.2]	0.4	[0.1, 1.0]	100.0
No (n=360)	96.0	[92.5, 97.9]	4.0	[2.1, 7.5]	0.0		100.0
Pearson: Uncorrected chi2(2) =	3.1177						
Design-based F(1.99, 4119.84) =	0.9056	Pr =	0.404				
<b>Total (n=2,083)</b>	96.7	[95.4, 97.6]	3.0	[2.1, 4.3]	0.3	[0.1, 0.8]	100.0

### 5.1.3 Has a primary care provider for Healthy Michigan Plan

Follow-up group(s): Still enrolled

Universe: All respondents

	Yes		No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	93.9	[92.3, 95.1]	6.0	[4.8, 7.6]	0.1	[0.0, 0.4]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	91.9	[88.5, 94.3]	8.1	[5.6, 11.4]	0.1	[0.0, 0.5]	100.0
35-50 (n=760)	94.0	[91.0, 96.0]	5.9	[3.8, 8.9]	0.2	[0.0, 1.2]	100.0
51-64 (n=964)	96.3	[94.7, 97.4]	3.6	[2.5, 5.2]	0.0	[0.0, 0.3]	100.0
Pearson: Uncorrected chi2(4) =	13.9345						
Design-based F(2.92, 6931.39) =	2.8684	Pr =	0.037				
<b>Gender</b>							
Male (n=933)	91.2	[88.2, 93.5]	8.8	[6.5, 11.8]	0.0		100.0
Female (n=1,455)	96.1	[94.7, 97.2]	3.7	[2.6, 5.1]	0.2	[0.0, 0.7]	100.0
Pearson: Uncorrected chi2(2) =	28.9371						
Design-based F(1.87, 4444.14) =	10.1805	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	95.1	[93.4, 96.3]	4.8	[3.5, 6.4]	0.1	[0.0, 0.6]	100.0
Black, non-Hispanic (n=479)	90.9	[86.2, 94.1]	9.0	[5.8, 13.7]	0.1	[0.0, 0.7]	100.0
Hispanic (n=100)	94.6	[87.0, 97.9]	5.4	[2.1, 13.0]	0.0		100.0
Other, non-Hispanic (n=176)	93.9	[88.2, 96.9]	6.1	[3.1, 11.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	14.2985						
Design-based F(5.26, 12342.10) =	1.5964	Pr =	0.154				
<b>FPL category</b>							
0-35% (n=1,001)	93.0	[90.4, 95.0]	6.9	[4.9, 9.5]	0.1	[0.0, 0.7]	100.0
36-99% (n=824)	95.1	[93.0, 96.6]	4.9	[3.4, 7.0]	0.1	[0.0, 0.4]	100.0
100%+ (n=563)	94.8	[92.0, 96.7]	5.0	[3.2, 7.9]	0.1	[0.0, 1.0]	100.0
Pearson: Uncorrected chi2(4) =	4.1217						
Design-based F(3.30, 7842.07) =	0.9859	Pr =	0.404				
<b>Region</b>							
UP/NW/NE (n=450)	96.3	[93.4, 97.9]	3.7	[2.1, 6.6]	0.0		100.0
W/E Central/E (n=777)	95.5	[93.2, 97.1]	4.3	[2.7, 6.6]	0.2	[0.0, 1.4]	100.0
S Central/SW/SE (n=464)	91.1	[87.4, 93.8]	8.7	[6.0, 12.4]	0.2	[0.1, 0.9]	100.0
Detroit Metro (n=697)	93.4	[90.2, 95.5]	6.6	[4.5, 9.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	14.4025						
Design-based F(4.37, 10380.05) =	2.1803	Pr =	0.063				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	94.8	[93.1, 96.1]	5.0	[3.8, 6.8]	0.1	[0.0, 0.5]	100.0
No (n=457)	90.5	[86.3, 93.5]	9.5	[6.5, 13.7]	0.0		100.0
Pearson: Uncorrected chi2(2) =	14.9109						
Design-based F(1.81, 4305.76) =	4.8199	Pr =	0.010				
<b>Total (n=2,388)</b>	93.9	[92.3, 95.1]	6.0	[4.8, 7.6]	0.1	[0.0, 0.4]	100.0

## 5.2 Q: Is this the same primary care provider you had when we talked with you last year?

Follow-up group(s): Still enrolled

Universe: Respondents who indicated they have a PCP (n = 2,276)

	Same PCP as last year						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,274)	82.6	[80.5, 84.5]	15.6	[13.8, 17.6]	1.8	[1.3, 2.6]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=621)	79.0	[74.8, 82.6]	18.2	[14.8, 22.3]	2.8	[1.7, 4.7]	100.0
35-50 (n=724)	84.1	[80.7, 87.1]	14.2	[11.3, 17.5]	1.7	[0.9, 3.1]	100.0
51-64 (n=929)	85.0	[81.9, 87.7]	14.1	[11.5, 17.2]	0.9	[0.4, 1.9]	100.0
Pearson: Uncorrected chi2(4) =	15.3821						
Design-based F(3.85, 8700.52) =	2.7713	Pr =	0.027				
<b>Gender</b>							
Male (n=872)	81.8	[78.2, 84.9]	16.4	[13.4, 19.9]	1.9	[1.1, 3.1]	100.0
Female (n=1,402)	83.2	[80.8, 85.5]	14.9	[12.8, 17.3]	1.8	[1.1, 3.0]	100.0
Pearson: Uncorrected chi2(2) =	0.9020						
Design-based F(1.98, 4477.93) =	0.2957	Pr =	0.742				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,539)	81.3	[78.7, 83.7]	16.5	[14.2, 19.1]	2.2	[1.4, 3.3]	100.0
Black, non-Hispanic (n=446)	85.0	[80.2, 88.8]	14.5	[10.8, 19.3]	0.4	[0.1, 1.5]	100.0
Hispanic (n=95)	82.4	[72.5, 89.2]	15.3	[9.1, 24.8]	2.3	[0.6, 9.2]	100.0
Other, non-Hispanic (n=165)	85.1	[78.3, 90.0]	11.4	[7.3, 17.3]	3.5	[1.3, 8.9]	100.0
Pearson: Uncorrected chi2(6) =	14.2349						
Design-based F(5.73, 12797.87) =	1.6552	Pr =	0.131				
<b>FPL category</b>							
0-35% (n=945)	83.1	[79.9, 85.8]	15.2	[12.6, 18.2]	1.7	[1.0, 3.0]	100.0
36-99% (n=791)	82.8	[79.3, 85.8]	15.6	[12.7, 19.1]	1.6	[0.9, 2.9]	100.0
100%+ (n=538)	80.7	[76.5, 84.3]	16.7	[13.3, 20.7]	2.6	[1.4, 4.7]	100.0
Pearson: Uncorrected chi2(4) =	2.3464						
Design-based F(3.87, 8757.81) =	0.4676	Pr =	0.753				
<b>Region</b>							
UP/NW/NE (n=436)	79.2	[74.4, 83.4]	18.7	[14.8, 23.5]	2.0	[1.0, 4.2]	100.0
W/E Central/E (n=748)	80.2	[76.7, 83.4]	17.0	[14.1, 20.4]	2.8	[1.7, 4.6]	100.0
S Central/SW/SE (n=427)	83.6	[79.1, 87.2]	15.0	[11.6, 19.3]	1.4	[0.6, 3.6]	100.0
Detroit Metro (n=663)	84.6	[80.8, 87.7]	14.1	[11.1, 17.8]	1.3	[0.6, 2.8]	100.0
Pearson: Uncorrected chi2(6) =	10.0790						
Design-based F(5.33, 12060.37) =	1.3550	Pr =	0.235				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,854)	83.0	[80.7, 85.0]	15.5	[13.5, 17.7]	1.6	[1.0, 2.4]	100.0
No (n=420)	81.1	[75.9, 85.4]	15.9	[11.9, 21.0]	2.9	[1.6, 5.2]	100.0
Pearson: Uncorrected chi2(2) =	4.1346						
Design-based F(1.95, 4401.83) =	1.3081	Pr =	0.270				
<b>Total (n=2,274)</b>	<b>82.6</b>	<b>[80.5, 84.5]</b>	<b>15.6</b>	<b>[13.8, 17.6]</b>	<b>1.8</b>	<b>[1.3, 2.6]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 5.2.1 Q: Why did you change?

Follow-up group(s): Still enrolled

Universe: Respondents who do not have the same PCP as last year (n = 349)

	Wanted new PCP		Office closed/moved		PCP retired		Reason for changing PCP No longer accepts Medicaid		Switched plans		Other		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>															
Still enrolled (n=348)	32.5	[26.5, 39.1]	19.0	[14.8, 24.1]	10.2	[6.7, 15.2]	7.3	[4.4, 11.6]	7.1	[4.3, 11.5]	22.7	[17.4, 29.0]	1.2	[0.5, 3.2]	100.0
Pearson: Uncorrected chi2(0) = Design-based F(., .) =	.	Pr =	.	.											
<b>Age</b>															
19-34 (n=115)	32.5	[22.7, 44.1]	16.9	[10.4, 26.2]	5.8	[3.0, 10.9]	9.2	[4.6, 17.6]	10.0	[5.0, 19.2]	25.5	[16.6, 37.2]	0.0		100.0
35-50 (n=111)	33.8	[24.0, 45.4]	17.5	[10.9, 27.0]	16.1	[8.0, 29.8]	3.9	[1.2, 12.4]	3.8	[1.0, 12.8]	22.8	[15.3, 32.7]	2.0	[0.6, 6.3]	100.0
51-64 (n=122)	30.9	[21.5, 42.2]	24.0	[16.6, 33.2]	10.0	[5.9, 16.5]	8.2	[3.5, 18.0]	6.7	[3.0, 14.2]	18.0	[10.2, 29.9]	2.2	[0.5, 9.8]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(11.33, 3806.29) =	18.7211 1.1211	Pr =	0.339												
<b>Gender</b>															
Male (n=135)	30.0	[20.7, 41.4]	14.5	[9.4, 21.7]	8.2	[3.7, 17.4]	8.9	[4.4, 17.2]	7.1	[3.1, 15.5]	29.9	[20.6, 41.2]	1.3	[0.3, 5.8]	100.0
Female (n=213)	34.6	[27.4, 42.6]	23.0	[17.0, 30.3]	12.0	[7.5, 18.6]	5.8	[3.0, 11.0]	7.2	[3.9, 12.7]	16.3	[11.4, 22.6]	1.2	[0.4, 3.8]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.76, 1936.11) =	13.3512 1.4453	Pr =	0.196												
<b>Race/ethnicity</b>															
White, non-Hispanic (n=238)	27.5	[21.1, 35.0]	24.3	[18.4, 31.4]	8.7	[5.7, 12.9]	9.4	[5.4, 15.8]	6.3	[3.2, 11.9]	23.1	[16.3, 31.5]	0.8	[0.2, 3.1]	100.0
Black, non-Hispanic (n=61)	38.9	[24.4, 55.7]	10.3	[4.9, 20.2]	14.8	[5.5, 33.9]	5.4	[1.9, 14.9]	7.7	[2.8, 19.5]	19.8	[10.8, 33.5]	3.1	[0.8, 10.8]	100.0
Hispanic (n=16)	43.8	[20.6, 70.1]	3.5	[0.5, 22.0]	18.0	[5.2, 46.6]	0.0		8.4	[1.2, 41.2]	26.3	[11.1, 50.5]	0.0		100.0
Other, non-Hispanic (n=26)	56.2	[35.3, 75.1]	5.9	[1.4, 22.1]	3.6	[0.8, 14.2]	0.0		14.7	[3.9, 42.7]	19.5	[8.2, 39.8]	0.0		100.0
Pearson: Uncorrected chi2(18) = Design-based F(14.60, 4804.27) =	31.9279 1.5087	Pr =	0.095												
<b>FPL category</b>															
0-35% (n=147)	36.0	[26.8, 46.4]	18.4	[12.4, 26.3]	10.2	[5.1, 19.6]	8.2	[4.1, 15.9]	5.1	[2.3, 11.3]	21.2	[13.8, 31.2]	0.8	[0.1, 5.7]	100.0
36-99% (n=116)	31.1	[21.8, 42.2]	25.2	[17.2, 35.3]	7.6	[4.4, 12.8]	3.7	[1.0, 12.6]	5.6	[2.1, 13.9]	25.3	[16.0, 37.4]	1.5	[0.3, 6.4]	100.0
100%+ (n=85)	24.7	[15.8, 36.5]	12.3	[6.7, 21.5]	13.9	[7.8, 23.5]	9.5	[4.6, 18.3]	14.7	[6.6, 29.5]	23.0	[14.5, 34.5]	1.9	[0.5, 7.3]	100.0
Pearson: Uncorrected chi2(12) = Design-based F(11.09, 3727.30) =	17.2055 1.1365	Pr =	0.327												
<b>Region</b>															
UP/NW/NE (n=75)	26.8	[16.7, 40.0]	33.2	[21.8, 47.0]	17.5	[9.6, 29.8]	1.9	[0.4, 7.9]	0.0		18.2	[10.9, 28.8]	2.4	[0.3, 15.3]	100.0
W/E Central/E (n=119)	23.6	[16.1, 33.2]	21.6	[14.4, 31.1]	12.6	[7.7, 20.0]	4.4	[1.3, 13.6]	14.1	[7.6, 24.6]	22.4	[15.1, 31.9]	1.3	[0.2, 9.1]	100.0
S Central/SW/SE (n=61)	37.0	[24.6, 51.2]	22.5	[12.9, 36.2]	3.6	[1.1, 11.2]	8.2	[2.5, 23.3]	2.8	[0.6, 11.8]	23.6	[13.9, 37.2]	2.3	[0.6, 8.8]	100.0
Detroit Metro (n=93)	39.6	[27.9, 52.6]	11.4	[6.1, 20.4]	8.9	[3.2, 22.1]	10.8	[5.6, 19.7]	5.2	[2.0, 12.7]	23.8	[14.0, 37.3]	0.3	[0.0, 2.5]	100.0
Pearson: Uncorrected chi2(18) = Design-based F(14.95, 5021.53) =	40.3714 1.8668	Pr =	0.022												
<b>Chronic condition (2016/2017 survey or DW)</b>															
Yes (n=289)	34.2	[27.5, 41.5]	18.8	[14.1, 24.6]	10.2	[6.6, 15.5]	8.2	[4.8, 13.6]	7.7	[4.5, 12.8]	19.6	[14.6, 25.8]	1.4	[0.5, 3.9]	100.0
No (n=59)	26.2	[15.1, 41.6]	19.9	[11.3, 32.7]	10.4	[3.4, 27.6]	3.6	[1.2, 10.8]	5.1	[1.3, 18.3]	34.1	[20.0, 51.6]	0.7	[0.1, 4.6]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.17, 1737.36) =	8.9986 1.0124	Pr =	0.410												
<b>Total (n=348)</b>	32.5	[26.5, 39.1]	19.0	[14.8, 24.1]	10.2	[6.7, 15.2]	7.3	[4.4, 11.6]	7.1	[4.3, 11.5]	22.7	[17.4, 29.0]	1.2	[0.5, 3.2]	100.0

Note: Total count is less than universe count due to item non-response.

### 5.3 Q: Have you seen your primary care provider in the past 12 months?

Follow-up group(s): Still enrolled

Universe: All respondents

	PCP visit in past 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,272)	85.6	[83.4, 87.5]	13.8	[11.9, 15.9]	0.6	[0.2, 1.7]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=618)	80.6	[76.2, 84.3]	17.9	[14.4, 22.1]	1.5	[0.5, 4.6]	100.0
35-50 (n=724)	87.5	[83.4, 90.7]	12.4	[9.3, 16.5]	0.1	[0.0, 0.6]	100.0
51-64 (n=930)	89.3	[86.3, 91.7]	10.5	[8.1, 13.4]	0.2	[0.0, 1.1]	100.0
Pearson: Uncorrected chi2(4) =	35.5572						
Design-based F(3.49, 7879.43) =	5.9709	Pr =	0.000				
<b>Gender</b>							
Male (n=870)	82.5	[78.6, 85.8]	16.7	[13.5, 20.4]	0.8	[0.2, 3.9]	100.0
Female (n=1,402)	88.1	[85.6, 90.2]	11.5	[9.4, 13.9]	0.4	[0.2, 1.0]	100.0
Pearson: Uncorrected chi2(2) =	14.4879						
Design-based F(1.96, 4419.45) =	3.1401	Pr =	0.045				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,535)	87.0	[84.3, 89.3]	12.1	[10.0, 14.6]	0.9	[0.3, 2.7]	100.0
Black, non-Hispanic (n=447)	86.1	[81.5, 89.7]	13.9	[10.3, 18.5]	0.0		100.0
Hispanic (n=95)	77.7	[62.1, 88.1]	21.5	[11.2, 37.3]	0.8	[0.1, 5.5]	100.0
Other, non-Hispanic (n=166)	80.7	[71.2, 87.7]	19.3	[12.3, 28.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	20.4406						
Design-based F(5.13, 11438.61) =	1.4994	Pr =	0.185				
<b>FPL category</b>							
0-35% (n=947)	86.4	[83.0, 89.2]	13.3	[10.6, 16.7]	0.3	[0.1, 0.7]	100.0
36-99% (n=790)	85.7	[82.0, 88.8]	12.9	[10.4, 16.1]	1.3	[0.3, 6.5]	100.0
100%+ (n=535)	82.9	[78.1, 86.8]	16.4	[12.6, 21.2]	0.7	[0.2, 2.0]	100.0
Pearson: Uncorrected chi2(4) =	10.7863						
Design-based F(3.39, 7656.05) =	1.5394	Pr =	0.197				
<b>Region</b>							
UP/NW/NE (n=435)	88.8	[84.9, 91.8]	11.0	[8.0, 15.0]	0.1	[0.0, 0.9]	100.0
W/E Central/E (n=750)	87.3	[83.6, 90.2]	12.1	[9.2, 15.8]	0.6	[0.2, 1.6]	100.0
S Central/SW/SE (n=425)	83.8	[78.7, 87.9]	16.0	[11.9, 21.1]	0.2	[0.0, 1.6]	100.0
Detroit Metro (n=662)	84.4	[80.3, 87.8]	14.7	[11.5, 18.6]	0.9	[0.2, 3.9]	100.0
Pearson: Uncorrected chi2(6) =	8.2316						
Design-based F(4.53, 10233.46) =	1.0017	Pr =	0.411				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,856)	88.9	[86.6, 90.8]	10.6	[8.7, 12.7]	0.6	[0.2, 2.1]	100.0
No (n=416)	73.2	[67.2, 78.4]	26.1	[20.8, 32.0]	0.8	[0.3, 2.0]	100.0
Pearson: Uncorrected chi2(2) =	76.1571						
Design-based F(2.00, 4510.58) =	19.8781	Pr =	0.000				
<b>Total (n=2,272)</b>	<b>85.6</b>	<b>[83.4, 87.5]</b>	<b>13.8</b>	<b>[11.9, 15.9]</b>	<b>0.6</b>	<b>[0.2, 1.7]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 5.3.1 Q: Why haven't you seen your primary care provider in the past 12 months?

*Follow-up group(s):* Still enrolled

*Universe:* Respondents who have not seen their PCP in the past 12 months (n = 264)

Reasons for not seeing PCP	Weighted Proportion	95%CI
Healthy/didn't need care (n=146)	57.0	[49.1, 64.6]
Other (n=50)	16.1	[11.6, 21.8]
Transportation/logistics (n=26)	11.7	[7.0, 18.9]
Difficulty getting appointment (n=18)	6.9	[4.0, 11.9]
See a specialist instead (n=18)	6.0	[3.5, 10.3]
Didn't like PCP/wanted a new doctor (n=10)	2.9	[1.4, 5.6]
Inconvenient hours (n=8)	2.5	[1.1, 5.5]
Don't know (n=1)	0.6	[0.1, 4.3]
Don't like doctors in general (n=1)	0.2	[0.0, 1.6]

**Note:** Respondents were able to provide multiple responses

## 5.4 Q: Since your Healthy Michigan Plan insurance ended, is there a place you usually go when you need a checkup, feel sick, or want advice about your health?

Follow-up group(s): No longer enrolled

Universe: All respondents

	Regular source of care since HMP coverage ended						Total Row%
	Yes		No		NA		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=708)	76.5	[72.1, 80.3]	15.6	[12.3, 19.5]	7.9	[5.7, 10.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=244)	69.4	[61.6, 76.3]	21.7	[15.6, 29.3]	8.9	[5.6, 13.8]	100.0
35-50 (n=209)	80.4	[73.3, 86.0]	13.4	[8.7, 20.1]	6.2	[3.4, 11.0]	100.0
51-64 (n=255)	83.0	[75.7, 88.4]	8.6	[5.5, 13.1]	8.5	[4.3, 16.0]	100.0
Pearson: Uncorrected chi2(4) =	18.6054						
Design-based F(3.83, 2663.22) =	3.0878	Pr =	0.017				
<b>Gender</b>							
Male (n=297)	77.3	[70.5, 82.9]	14.8	[10.1, 21.2]	7.9	[5.0, 12.3]	100.0
Female (n=411)	75.7	[69.9, 80.6]	16.4	[12.2, 21.5]	8.0	[5.0, 12.4]	100.0
Pearson: Uncorrected chi2(2) =	0.3246						
Design-based F(1.99, 1386.33) =	0.0934	Pr =	0.910				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=455)	74.6	[68.9, 79.6]	16.1	[11.9, 21.5]	9.3	[6.3, 13.3]	100.0
Black, non-Hispanic (n=154)	85.8	[78.6, 90.8]	7.0	[4.1, 11.8]	7.2	[3.5, 14.1]	100.0
Hispanic (n=38)	68.1	[48.9, 82.6]	26.3	[13.7, 44.5]	5.6	[0.8, 30.5]	100.0
Other, non-Hispanic (n=52)	64.4	[46.4, 79.1]	32.7	[18.3, 51.3]	2.8	[0.4, 17.6]	100.0
Pearson: Uncorrected chi2(6) =	29.8013						
Design-based F(5.73, 3936.47) =	3.0158	Pr =	0.007				
<b>FPL category</b>							
0-35% (n=217)	76.1	[67.7, 82.9]	17.9	[11.8, 26.4]	5.9	[3.2, 10.8]	100.0
36-99% (n=259)	79.2	[72.5, 84.6]	11.7	[8.1, 16.8]	9.1	[5.3, 15.3]	100.0
100%+ (n=232)	73.7	[66.4, 79.8]	16.7	[12.0, 22.7]	9.6	[5.8, 15.6]	100.0
Pearson: Uncorrected chi2(4) =	6.3247						
Design-based F(3.81, 2653.71) =	1.0263	Pr =	0.390				
<b>Region</b>							
UP/NW/NE (n=124)	85.3	[77.1, 90.9]	6.7	[3.3, 13.0]	8.0	[4.0, 15.4]	100.0
W/E Central/E (n=203)	79.0	[72.0, 84.7]	14.8	[10.2, 21.0]	6.2	[3.1, 11.8]	100.0
S Central/SW/SE (n=169)	75.8	[66.7, 83.1]	14.2	[8.6, 22.5]	10.0	[5.6, 17.2]	100.0
Detroit Metro (n=212)	72.9	[64.4, 80.0]	19.1	[12.9, 27.2]	8.0	[4.5, 13.8]	100.0
Pearson: Uncorrected chi2(6) =	8.6350						
Design-based F(5.28, 3672.62) =	1.0761	Pr =	0.372				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=538)	80.6	[76.1, 84.4]	11.4	[8.6, 14.9]	8.1	[5.5, 11.7]	100.0
No (n=170)	66.0	[56.0, 74.8]	26.4	[18.2, 36.5]	7.6	[4.0, 13.8]	100.0
Pearson: Uncorrected chi2(2) =	24.7480						
Design-based F(1.99, 1385.75) =	7.1371	Pr =	0.001				
<b>Total (n=708)</b>	76.5	[72.1, 80.3]	15.6	[12.3, 19.5]	7.9	[5.7, 10.9]	100.0

Note: Total count is less than universe count due to item non-response.

### 5.4.1 Q: What kind of a place is it?

Follow-up group(s): No longer enrolled

Universe: Respondents who have a regular source of care since HMP coverage ended (n = 565)

	Clinic		Doctor's office		Regular source of care since HMP coverage ended				Other		Total Row%
	Row%	95%CI	Row%	95%CI	Urgent care/Walk-in clinic	Emergency room	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>											
No longer enrolled (n=565)	21.2	[17.0, 26.3]	62.5	[57.3, 67.5]	7.9	[5.4, 11.3]	5.7	[3.8, 8.5]	2.6	[1.3, 5.1]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		.
Design-based F(., .) =	.	Pr =	.		.		.		.		.
<b>Age</b>											
19-34 (n=174)	24.0	[16.4, 33.6]	56.8	[47.3, 65.8]	8.2	[4.6, 14.2]	8.7	[5.2, 14.3]	2.4	[0.6, 8.7]	100.0
35-50 (n=171)	20.0	[13.3, 28.9]	62.3	[52.9, 70.8]	11.0	[5.9, 19.5]	4.1	[1.6, 9.6]	2.7	[0.9, 7.4]	100.0
51-64 (n=220)	19.1	[13.1, 27.0]	70.3	[62.0, 77.4]	4.0	[2.2, 7.3]	3.7	[1.5, 8.9]	2.9	[1.0, 8.6]	100.0
Pearson: Uncorrected chi2(8) =	15.0294										
Design-based F(7.56, 4178.41) =	1.1877	Pr =	0.304								
<b>Gender</b>											
Male (n=236)	23.3	[16.6, 31.7]	55.3	[47.1, 63.2]	7.7	[4.3, 13.5]	8.8	[5.5, 13.8]	4.9	[2.4, 9.8]	100.0
Female (n=329)	19.2	[14.4, 25.1]	69.9	[63.5, 75.6]	8.0	[5.1, 12.6]	2.6	[1.2, 5.3]	0.3	[0.0, 2.0]	100.0
Pearson: Uncorrected chi2(4) =	27.0664										
Design-based F(3.69, 2038.19) =	4.9382	Pr =	0.001								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=363)	17.5	[13.1, 22.8]	71.7	[65.8, 77.0]	4.8	[3.1, 7.3]	3.8	[2.1, 6.8]	2.2	[0.8, 6.2]	100.0
Black, non-Hispanic (n=129)	27.1	[17.5, 39.5]	49.4	[38.6, 60.2]	10.6	[5.3, 20.1]	8.9	[4.7, 16.2]	4.0	[1.5, 10.2]	100.0
Hispanic (n=27)	41.5	[21.7, 64.5]	31.9	[15.5, 54.4]	26.7	[9.4, 55.9]	0.0		0.0		100.0
Other, non-Hispanic (n=39)	15.8	[6.4, 34.0]	68.6	[50.6, 82.4]	7.1	[2.5, 18.4]	8.5	[2.6, 24.5]	0.0		100.0
Pearson: Uncorrected chi2(12) =	52.7812										
Design-based F(11.00, 6005.83) =	2.8714	Pr =	0.001								
<b>FPL category</b>											
0-35% (n=177)	24.7	[16.9, 34.8]	56.9	[47.3, 66.1]	7.5	[3.3, 16.0]	6.7	[3.6, 12.3]	4.1	[1.8, 8.7]	100.0
36-99% (n=211)	21.9	[15.8, 29.4]	64.3	[56.5, 71.4]	8.8	[5.7, 13.4]	4.4	[2.0, 9.2]	0.7	[0.1, 4.7]	100.0
100%+ (n=177)	14.9	[9.6, 22.4]	69.0	[60.2, 76.7]	7.2	[4.3, 12.0]	5.9	[3.0, 11.4]	2.9	[0.6, 13.0]	100.0
Pearson: Uncorrected chi2(8) =	12.2801										
Design-based F(7.22, 3994.55) =	0.9826	Pr =	0.443								
<b>Region</b>											
UP/NW/NE (n=106)	26.4	[18.1, 36.9]	61.4	[50.6, 71.2]	11.1	[6.0, 19.4]	0.0		1.1	[0.2, 7.7]	100.0
W/E Central/E (n=162)	18.1	[12.1, 26.1]	68.9	[60.0, 76.6]	5.1	[2.5, 10.1]	5.0	[2.2, 10.9]	3.0	[0.7, 11.0]	100.0
S Central/SW/SE (n=137)	16.9	[11.0, 25.0]	65.6	[55.7, 74.2]	5.5	[2.8, 10.6]	9.2	[4.9, 16.5]	2.8	[1.0, 7.7]	100.0
Detroit Metro (n=160)	25.0	[16.6, 35.9]	55.9	[45.9, 65.4]	10.7	[5.7, 19.2]	5.7	[2.9, 11.2]	2.6	[0.8, 8.1]	100.0
Pearson: Uncorrected chi2(12) =	18.9699										
Design-based F(10.48, 5796.56) =	1.2107	Pr =	0.276								
<b>Chronic condition (2016/2017 survey or DW)</b>											
Yes (n=447)	21.1	[16.3, 27.0]	64.2	[58.2, 69.9]	7.2	[4.7, 11.1]	4.1	[2.5, 6.9]	3.2	[1.6, 6.5]	100.0
No (n=118)	21.6	[13.7, 32.3]	57.2	[46.0, 67.7]	9.9	[4.9, 18.9]	10.7	[5.7, 19.2]	0.7	[0.1, 4.8]	100.0
Pearson: Uncorrected chi2(4) =	12.1110										
Design-based F(3.82, 2113.64) =	1.9900	Pr =	0.097								
<b>Total (n=565)</b>	21.2	[17.0, 26.3]	62.5	[57.3, 67.5]	7.9	[5.4, 11.3]	5.7	[3.8, 8.5]	2.6	[1.3, 5.1]	100.0

## 5.4.2 Regular source of care since HMP coverage ended, detailed

Follow-up group(s): No longer enrolled

Universe: All respondents

	Regular source of care since HMP coverage ended, detailed								Total Row%
	Doctor/Clinic Row%	95%CI	Urgent care/Walk-in clinic Row%	95%CI	Emergency room Row%	95%CI	None Row%	95%CI	
<b>Follow-up group</b>									
No longer enrolled (n=697)	65.4	[60.8, 69.8]	6.1	[4.2, 8.8]	4.5	[3.0, 6.6]	24.0	[20.1, 28.4]	100.0
Pearson: Uncorrected chi2(0) =	.								
Design-based F(., .) =	.	Pr =	.						
<b>Age</b>									
19-34 (n=241)	57.0	[49.0, 64.6]	5.8	[3.3, 10.1]	6.1	[3.6, 10.2]	31.1	[24.1, 39.0]	100.0
35-50 (n=205)	67.8	[59.5, 75.2]	8.8	[4.7, 16.0]	3.3	[1.4, 8.0]	20.0	[14.3, 27.3]	100.0
51-64 (n=251)	76.0	[68.4, 82.2]	3.4	[1.8, 6.2]	3.2	[1.3, 7.6]	17.4	[11.9, 24.9]	100.0
Pearson: Uncorrected chi2(6) =	25.6249								
Design-based F(5.69, 3900.91) =	3.0077	Pr =	0.007						
<b>Gender</b>									
Male (n=287)	63.1	[55.7, 69.9]	6.2	[3.4, 11.0]	7.1	[4.4, 11.2]	23.6	[17.8, 30.6]	100.0
Female (n=410)	67.7	[61.8, 73.1]	5.9	[3.7, 9.5]	2.0	[0.9, 4.0]	24.4	[19.4, 30.2]	100.0
Pearson: Uncorrected chi2(3) =	10.8126								
Design-based F(2.89, 1980.69) =	2.4029	Pr =	0.068						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=450)	67.8	[62.0, 73.1]	3.5	[2.3, 5.4]	2.9	[1.6, 5.2]	25.8	[20.7, 31.6]	100.0
Black, non-Hispanic (n=149)	67.9	[58.2, 76.3]	9.4	[4.7, 18.0]	7.9	[4.2, 14.4]	14.7	[9.5, 22.1]	100.0
Hispanic (n=38)	49.9	[31.6, 68.2]	18.1	[6.2, 42.6]	0.0		31.9	[17.4, 51.1]	100.0
Other, non-Hispanic (n=52)	54.4	[38.0, 69.9]	4.5	[1.6, 12.2]	5.5	[1.6, 16.7]	35.6	[20.9, 53.6]	100.0
Pearson: Uncorrected chi2(9) =	41.3492								
Design-based F(8.29, 5610.15) =	3.1981	Pr =	0.001						
<b>FPL category</b>									
0-35% (n=209)	64.2	[55.3, 72.2]	5.9	[2.6, 12.8]	5.3	[2.8, 9.7]	24.6	[17.6, 33.3]	100.0
36-99% (n=258)	68.6	[61.5, 74.8]	7.0	[4.5, 10.7]	3.5	[1.6, 7.3]	20.9	[15.5, 27.7]	100.0
100%+ (n=230)	63.4	[55.9, 70.4]	5.2	[3.0, 8.8]	4.5	[2.2, 8.8]	26.9	[20.7, 34.2]	100.0
Pearson: Uncorrected chi2(6) =	3.6592								
Design-based F(5.45, 3731.19) =	0.4264	Pr =	0.845						
<b>Region</b>									
UP/NW/NE (n=123)	75.6	[66.3, 83.0]	9.5	[5.2, 16.8]	0.0		14.8	[9.2, 23.1]	100.0
W/E Central/E (n=200)	70.7	[63.0, 77.3]	3.8	[1.8, 8.0]	4.0	[1.8, 8.9]	21.5	[15.7, 28.6]	100.0
S Central/SW/SE (n=165)	63.9	[54.4, 72.4]	4.3	[2.2, 8.2]	7.1	[3.8, 12.9]	24.7	[17.3, 34.0]	100.0
Detroit Metro (n=209)	60.1	[51.4, 68.3]	8.0	[4.2, 14.5]	4.3	[2.1, 8.4]	27.6	[20.4, 36.2]	100.0
Pearson: Uncorrected chi2(9) =	18.1481								
Design-based F(8.13, 5569.55) =	1.6375	Pr =	0.107						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=528)	70.7	[65.7, 75.3]	5.9	[3.8, 9.1]	3.4	[2.0, 5.7]	20.0	[16.1, 24.5]	100.0
No (n=169)	52.3	[42.7, 61.7]	6.5	[3.2, 12.8]	7.1	[3.7, 13.0]	34.1	[25.3, 44.2]	100.0
Pearson: Uncorrected chi2(3) =	23.6728								
Design-based F(2.96, 2027.96) =	4.7778	Pr =	0.003						
<b>Total (n=697)</b>	65.4	[60.8, 69.8]	6.1	[4.2, 8.8]	4.5	[3.0, 6.6]	24.0	[20.1, 28.4]	100.0

**Note:** Respondents were coded as "none" if they reported no regular source of care or "NA." Total count is less than universe count due to item non-response.

**5.4.2.1 Q: Is this the same place as your Healthy Michigan Plan primary care provider?**

Follow-up group(s): No longer enrolled

Universe: Respondents who have a regular source of care that is a clinic/doctor's office since HMP coverage ended (n = 478)

	Regular source of care since HMP coverage ended is same HMP PCP						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=478)	78.7	[73.6, 83.1]	20.0	[15.7, 25.0]	1.3	[0.5, 3.1]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=135)	70.6	[60.4, 79.1]	29.0	[20.6, 39.2]	0.4	[0.1, 2.8]	100.0
35-50 (n=145)	82.4	[73.7, 88.7]	17.0	[10.8, 25.7]	0.6	[0.1, 4.2]	100.0
51-64 (n=198)	84.6	[76.1, 90.5]	12.4	[7.1, 20.6]	3.0	[1.0, 8.8]	100.0
Pearson: Uncorrected chi2(4) =	19.7722						
Design-based F(3.64, 1697.18) =	3.8741	Pr =	0.005				
<b>Gender</b>							
Male (n=188)	76.9	[68.2, 83.8]	21.3	[14.7, 29.9]	1.8	[0.5, 5.9]	100.0
Female (n=290)	80.4	[74.2, 85.4]	18.8	[13.8, 25.0]	0.8	[0.3, 2.7]	100.0
Pearson: Uncorrected chi2(2) =	1.3789						
Design-based F(1.90, 883.64) =	0.5098	Pr =	0.591				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=320)	78.9	[72.5, 84.1]	19.0	[14.0, 25.3]	2.1	[0.9, 5.1]	100.0
Black, non-Hispanic (n=100)	81.2	[69.4, 89.1]	18.8	[10.9, 30.6]	0.0		100.0
Hispanic (n=21)	76.4	[49.0, 91.6]	23.6	[8.4, 51.0]	0.0		100.0
Other, non-Hispanic (n=32)	71.8	[49.8, 86.7]	28.2	[13.3, 50.2]	0.0		100.0
Pearson: Uncorrected chi2(6) =	5.6729						
Design-based F(5.82, 2685.25) =	0.6277	Pr =	0.703				
<b>FPL category</b>							
0-35% (n=149)	86.5	[79.0, 91.6]	11.4	[6.8, 18.5]	2.1	[0.6, 7.0]	100.0
36-99% (n=181)	76.3	[67.3, 83.4]	23.0	[15.9, 32.0]	0.7	[0.2, 2.9]	100.0
100%+ (n=148)	70.1	[58.8, 79.3]	29.1	[19.9, 40.5]	0.8	[0.1, 5.5]	100.0
Pearson: Uncorrected chi2(4) =	17.3004						
Design-based F(3.71, 1727.26) =	3.3694	Pr =	0.011				
<b>Region</b>							
UP/NW/NE (n=93)	89.6	[78.6, 95.3]	10.4	[4.7, 21.4]	0.0		100.0
W/E Central/E (n=143)	75.9	[65.6, 83.9]	22.3	[14.5, 32.8]	1.8	[0.5, 5.5]	100.0
S Central/SW/SE (n=113)	73.4	[62.7, 82.0]	25.3	[16.9, 35.9]	1.3	[0.3, 5.5]	100.0
Detroit Metro (n=129)	81.3	[71.6, 88.3]	17.4	[10.8, 26.9]	1.2	[0.2, 8.4]	100.0
Pearson: Uncorrected chi2(6) =	7.1077						
Design-based F(5.23, 2437.56) =	0.8756	Pr =	0.500				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=385)	81.0	[75.1, 85.7]	17.4	[12.8, 23.1]	1.7	[0.7, 4.0]	100.0
No (n=93)	71.2	[59.1, 80.9]	28.8	[19.1, 40.9]	0.0		100.0
Pearson: Uncorrected chi2(2) =	8.2815						
Design-based F(1.97, 916.09) =	2.7238	Pr =	0.067				
<b>Total (n=478)</b>	<b>78.7</b>	<b>[73.6, 83.1]</b>	<b>20.0</b>	<b>[15.7, 25.0]</b>	<b>1.3</b>	<b>[0.5, 3.1]</b>	<b>100.0</b>

## 5.5 Q: In the last 12 months, did you get dental care?

Follow-up group(s): Still enrolled

Universe: All respondents

	Dental care in last 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	54.4	[51.8, 57.0]	45.1	[42.5, 47.7]	0.5	[0.3, 0.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=664)	58.3	[53.5, 63.0]	41.2	[36.5, 46.0]	0.5	[0.2, 1.6]	100.0
35-50 (n=760)	55.9	[51.3, 60.4]	43.6	[39.2, 48.2]	0.5	[0.2, 1.2]	100.0
51-64 (n=964)	47.7	[43.9, 51.6]	51.7	[47.9, 55.6]	0.5	[0.2, 1.2]	100.0
Pearson: Uncorrected chi2(4) =	18.5129						
Design-based F(3.59, 8530.15) =	3.5078	Pr =	0.010				
<b>Gender</b>							
Male (n=933)	48.9	[44.7, 53.0]	50.7	[46.6, 54.8]	0.4	[0.2, 1.0]	100.0
Female (n=1,455)	59.2	[55.9, 62.4]	40.3	[37.1, 43.6]	0.6	[0.3, 1.2]	100.0
Pearson: Uncorrected chi2(2) =	26.1532						
Design-based F(1.88, 4460.34) =	9.4926	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,603)	54.7	[51.5, 57.8]	44.6	[41.5, 47.8]	0.7	[0.3, 1.3]	100.0
Black, non-Hispanic (n=479)	51.0	[45.4, 56.7]	48.7	[43.1, 54.4]	0.3	[0.1, 1.0]	100.0
Hispanic (n=100)	55.5	[43.7, 66.7]	44.5	[33.3, 56.3]	0.0		100.0
Other, non-Hispanic (n=176)	62.8	[54.1, 70.8]	37.2	[29.2, 45.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	12.2233						
Design-based F(5.51, 12931.91) =	1.3887	Pr =	0.220				
<b>FPL category</b>							
0-35% (n=1,001)	52.8	[48.9, 56.7]	46.9	[42.9, 50.8]	0.3	[0.1, 0.8]	100.0
36-99% (n=824)	55.8	[51.6, 59.8]	43.9	[39.8, 48.0]	0.4	[0.1, 1.0]	100.0
100%+ (n=563)	57.5	[52.6, 62.2]	41.4	[36.7, 46.2]	1.2	[0.4, 3.0]	100.0
Pearson: Uncorrected chi2(4) =	8.6635						
Design-based F(3.73, 8862.73) =	1.9350	Pr =	0.107				
<b>Region</b>							
UP/NW/NE (n=450)	54.0	[48.7, 59.2]	44.9	[39.7, 50.2]	1.1	[0.3, 4.4]	100.0
W/E Central/E (n=777)	53.6	[49.5, 57.7]	45.7	[41.7, 49.8]	0.7	[0.3, 1.6]	100.0
S Central/SW/SE (n=464)	55.0	[49.8, 60.1]	44.4	[39.3, 49.6]	0.6	[0.2, 1.5]	100.0
Detroit Metro (n=697)	54.8	[50.1, 59.5]	45.0	[40.3, 49.7]	0.2	[0.1, 0.9]	100.0
Pearson: Uncorrected chi2(6) =	4.2403						
Design-based F(5.35, 12713.61) =	0.6245	Pr =	0.692				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,931)	52.8	[49.9, 55.7]	46.8	[43.9, 49.7]	0.4	[0.2, 0.8]	100.0
No (n=457)	60.3	[54.6, 65.7]	39.0	[33.6, 44.7]	0.7	[0.2, 2.4]	100.0
Pearson: Uncorrected chi2(2) =	10.1796						
Design-based F(1.95, 4641.70) =	3.3979	Pr =	0.035				
<b>Total (n=2,388)</b>	54.4	[51.8, 57.0]	45.1	[42.5, 47.7]	0.5	[0.3, 0.9]	100.0

## 5.6 Q: In the past 12 months, when you felt sick or wanted advice about your health, how easy or difficult was it to get an appointment to see your primary care provider?

Follow-up group(s): Still enrolled

Universe: All respondents

	Very easy		Easy		Neutral		Difficult		Very difficult		NA		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>															
Still enrolled (n=2,383)	36.0	[33.5, 38.6]	34.8	[32.5, 37.3]	13.5	[11.8, 15.4]	5.1	[4.1, 6.2]	3.0	[2.2, 4.1]	7.5	[6.1, 9.1]	0.1	[0.0, 0.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		.		.		.
Design-based F(, , ) =	.	Pr =	.		.		.		.		.		.		.
<b>Age</b>															
19-34 (n=664)	32.1	[27.7, 36.9]	31.7	[27.6, 36.2]	17.2	[13.9, 21.2]	6.0	[4.3, 8.3]	2.2	[1.2, 3.9]	10.7	[7.9, 14.3]	0.0	[0.0, 0.3]	100.0
35-50 (n=758)	38.1	[33.7, 42.7]	35.4	[31.2, 39.8]	12.0	[9.4, 15.1]	4.3	[3.0, 6.0]	4.3	[2.7, 6.9]	5.9	[3.9, 8.8]	0.1	[0.0, 0.6]	100.0
51-64 (n=961)	38.4	[34.7, 42.3]	38.0	[34.4, 41.8]	10.7	[8.6, 13.3]	4.9	[3.5, 6.8]	2.5	[1.5, 4.4]	5.3	[4.0, 7.1]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(12) =	53.3918														
Design-based F(10.52, 24947.25) =	3.1795	Pr =	0.000												
<b>Gender</b>															
Male (n=930)	37.5	[33.6, 41.7]	33.3	[29.7, 37.2]	11.9	[9.5, 14.8]	3.8	[2.6, 5.4]	2.2	[1.3, 3.6]	11.2	[8.6, 14.4]	0.1	[0.0, 0.5]	100.0
Female (n=1,453)	34.7	[31.6, 38.0]	36.1	[33.1, 39.3]	14.9	[12.6, 17.5]	6.1	[4.8, 7.8]	3.8	[2.6, 5.6]	4.3	[3.3, 5.6]	0.0	[0.0, 0.2]	100.0
Pearson: Uncorrected chi2(6) =	56.2694														
Design-based F(5.44, 12904.60) =	6.6128	Pr =	0.000												
<b>Race/ethnicity</b>															
White, non-Hispanic (n=1,600)	36.8	[33.6, 40.0]	34.0	[31.2, 37.0]	14.2	[12.1, 16.6]	5.0	[3.9, 6.3]	2.4	[1.7, 3.5]	7.5	[5.9, 9.6]	0.1	[0.0, 0.4]	100.0
Black, non-Hispanic (n=478)	37.7	[32.4, 43.4]	35.2	[30.1, 40.7]	13.7	[10.2, 18.2]	4.0	[2.4, 6.5]	3.3	[1.7, 6.2]	6.1	[3.7, 9.9]	0.0		100.0
Hispanic (n=100)	25.5	[17.2, 36.2]	35.2	[25.4, 46.5]	10.0	[5.0, 18.8]	6.6	[2.7, 15.2]	10.7	[4.1, 25.1]	12.0	[5.0, 26.1]	0.0		100.0
Other, non-Hispanic (n=175)	30.8	[22.9, 40.0]	40.2	[31.4, 49.7]	11.1	[6.8, 17.8]	6.1	[3.1, 11.6]	2.9	[1.2, 7.0]	8.9	[5.0, 15.3]	0.0		100.0
Pearson: Uncorrected chi2(18) =	42.2340														
Design-based F(16.24, 38018.51) =	1.3467	Pr =	0.157												
<b>FPL category</b>															
0-35% (n=999)	38.8	[35.0, 42.8]	33.6	[30.0, 37.3]	13.2	[10.7, 16.2]	4.2	[3.0, 5.8]	3.3	[2.1, 5.1]	6.9	[5.0, 9.5]	0.0		100.0
36-99% (n=822)	35.3	[31.3, 39.5]	36.2	[32.4, 40.2]	13.9	[11.4, 16.9]	5.5	[4.0, 7.5]	2.5	[1.5, 4.0]	6.5	[4.7, 9.1]	0.0		100.0
100%+ (n=562)	28.3	[24.3, 32.7]	36.8	[32.3, 41.4]	13.9	[10.9, 17.5]	7.0	[4.9, 10.0]	3.0	[1.6, 5.7]	10.6	[7.6, 14.6]	0.4	[0.1, 1.2]	100.0
Pearson: Uncorrected chi2(12) =	32.5948														
Design-based F(10.60, 25138.34) =	2.2323	Pr =	0.012												
<b>Region</b>															
UP/NW/NE (n=449)	38.4	[33.4, 43.8]	35.0	[30.3, 40.1]	13.3	[10.2, 17.2]	3.6	[2.2, 6.0]	2.8	[1.4, 5.2]	6.6	[4.5, 9.8]	0.2	[0.0, 1.3]	100.0
W/E Central/E (n=774)	37.5	[33.7, 41.5]	34.1	[30.3, 38.0]	14.7	[12.1, 17.9]	3.7	[2.6, 5.3]	2.7	[1.7, 4.2]	7.2	[5.1, 10.1]	0.1	[0.0, 0.7]	100.0
S Central/SW/SE (n=464)	30.5	[26.1, 35.4]	33.8	[29.1, 39.0]	12.0	[9.0, 15.9]	8.8	[6.3, 12.1]	4.8	[2.7, 8.4]	9.8	[7.0, 13.7]	0.1	[0.0, 1.0]	100.0
Detroit Metro (n=696)	36.6	[32.1, 41.4]	35.7	[31.5, 40.1]	13.3	[10.4, 16.9]	4.8	[3.4, 6.9]	2.7	[1.4, 4.8]	6.9	[4.7, 10.0]	0.0		100.0
Pearson: Uncorrected chi2(18) =	31.6462														
Design-based F(14.39, 34128.77) =	1.5100	Pr =	0.096												
<b>Chronic condition (2016/2017 survey or DW)</b>															
Yes (n=1,928)	36.7	[33.9, 39.7]	36.8	[34.1, 39.6]	12.8	[11.0, 14.8]	5.0	[4.0, 6.3]	3.3	[2.3, 4.6]	5.3	[4.0, 6.9]	0.1	[0.0, 0.3]	100.0
No (n=455)	33.4	[28.2, 39.0]	27.6	[23.0, 32.7]	16.1	[12.1, 21.1]	5.1	[3.2, 8.1]	2.3	[1.2, 4.2]	15.4	[11.4, 20.4]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(6) =	70.5174														
Design-based F(5.35, 12694.65) =	8.0093	Pr =	0.000												
<b>Total (n=2,383)</b>	36.0	[33.5, 38.6]	34.8	[32.5, 37.3]	13.5	[11.8, 15.4]	5.1	[4.1, 6.2]	3.0	[2.2, 4.1]	7.5	[6.1, 9.1]	0.1	[0.0, 0.2]	100.0

Note: Total count is less than universe count due to item non-response.

### 5.6.1 Q: What made it difficult?

*Follow-up group(s):* Still enrolled

*Universe:* Respondents who had a difficult/very difficult time getting an appointment to see their PCP in the past 12 months (n = 197)

Reasons PCP visit difficult	Weighted Proportion	95%CI
Couldn't get appointment soon enough (n=150)	77.2	[69.7, 83.3]
My PCP not available/had to see another provider (n=21)	10.3	[6.3, 16.4]
No response from PCP/office not open (n=15)	8.4	[4.7, 14.6]
Inconvenient hours (n=15)	7.4	[4.0, 13.4]
Other (n=12)	5.2	[2.8, 9.4]
Transportation/logistics (n=8)	3.0	[1.3, 6.6]
Didn't like PCP/wanted a new doctor (n=2)	1.4	[0.3, 6.6]

**Note:** Respondents were able to provide multiple responses

## 5.7 Q: Since your Healthy Michigan Plan insurance ended, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?

Follow-up group(s): No longer enrolled

Universe: All respondents

	ER visit since HMP coverage ended						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=708)	21.0	[17.4, 25.1]	78.2	[74.1, 81.9]	0.7	[0.3, 1.7]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.		Pr =	.			
<b>Age</b>							
19-34 (n=244)	26.3	[19.8, 34.1]	73.1	[65.4, 79.7]	0.5	[0.1, 2.2]	100.0
35-50 (n=209)	16.7	[11.8, 23.1]	83.3	[76.9, 88.2]	0.0		100.0
51-64 (n=255)	17.6	[12.7, 24.0]	80.5	[74.0, 85.7]	1.9	[0.7, 5.0]	100.0
Pearson: Uncorrected chi2(4) =	14.0145						
Design-based F(3.71, 2582.45) =	3.0755		Pr =	0.018			
<b>Gender</b>							
Male (n=297)	18.6	[13.5, 25.1]	80.5	[74.0, 85.7]	0.9	[0.3, 2.8]	100.0
Female (n=411)	23.4	[18.7, 28.9]	75.9	[70.5, 80.7]	0.6	[0.2, 1.7]	100.0
Pearson: Uncorrected chi2(2) =	2.6541						
Design-based F(1.76, 1224.35) =	1.0551		Pr =	0.341			
<b>Race/ethnicity</b>							
White, non-Hispanic (n=455)	20.2	[16.2, 24.9]	78.6	[73.9, 82.7]	1.2	[0.5, 2.8]	100.0
Black, non-Hispanic (n=154)	22.0	[14.3, 32.4]	77.8	[67.5, 85.5]	0.2	[0.0, 1.2]	100.0
Hispanic (n=38)	28.6	[13.8, 49.9]	71.4	[50.1, 86.2]	0.0		100.0
Other, non-Hispanic (n=52)	21.5	[10.4, 39.2]	78.5	[60.8, 89.6]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.1657						
Design-based F(5.04, 3465.00) =	0.4977		Pr =	0.780			
<b>FPL category</b>							
0-35% (n=217)	24.1	[17.4, 32.3]	75.7	[67.5, 82.4]	0.2	[0.0, 1.3]	100.0
36-99% (n=259)	20.3	[15.3, 26.4]	78.6	[72.5, 83.7]	1.1	[0.4, 3.0]	100.0
100%+ (n=232)	17.2	[12.3, 23.5]	81.6	[75.2, 86.7]	1.2	[0.3, 4.8]	100.0
Pearson: Uncorrected chi2(4) =	5.3019						
Design-based F(3.47, 2415.72) =	1.2104		Pr =	0.305			
<b>Region</b>							
UP/NW/NE (n=124)	23.4	[16.0, 32.8]	76.6	[67.2, 84.0]	0.0		100.0
W/E Central/E (n=203)	17.5	[12.6, 23.7]	80.3	[73.9, 85.5]	2.2	[0.9, 5.4]	100.0
S Central/SW/SE (n=169)	20.6	[14.7, 28.2]	79.2	[71.6, 85.2]	0.2	[0.0, 1.4]	100.0
Detroit Metro (n=212)	23.3	[16.5, 31.9]	76.5	[68.0, 83.4]	0.2	[0.0, 1.3]	100.0
Pearson: Uncorrected chi2(6) =	10.2700						
Design-based F(4.65, 3233.91) =	1.8631		Pr =	0.103			
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=538)	24.0	[19.7, 28.9]	75.0	[70.0, 79.3]	1.0	[0.5, 2.3]	100.0
No (n=170)	13.4	[8.0, 21.7]	86.6	[78.3, 92.0]	0.0		100.0
Pearson: Uncorrected chi2(2) =	12.2631						
Design-based F(1.77, 1229.05) =	4.3024		Pr =	0.017			
<b>Total (n=708)</b>	21.0	[17.4, 25.1]	78.2	[74.1, 81.9]	0.7	[0.3, 1.7]	100.0

Note: Total count is less than universe count due to item non-response.

## 5.8 Q: During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?

Follow-up group(s): Still enrolled

Universe: All respondents

	ER visit in past 12 months							Total Row%
	Yes		No		Don't know			
	Row%	95%CI	Row%	95%CI	Row%	95%CI		
<b>Follow-up group</b>								
Still enrolled (n=2,388)	33.3	[30.9, 35.8]	66.1	[63.6, 68.5]	0.6	[0.3, 1.1]	100.0	
Pearson: Uncorrected chi2(0) =	.		.					
Design-based F(., .) =	.	Pr =	.					
<b>Age</b>								
19-34 (n=664)	36.7	[32.2, 41.4]	62.3	[57.5, 66.8]	1.0	[0.4, 2.5]	100.0	
35-50 (n=760)	32.8	[28.8, 37.0]	66.9	[62.6, 70.9]	0.4	[0.1, 1.2]	100.0	
51-64 (n=964)	29.6	[26.1, 33.4]	70.0	[66.3, 73.5]	0.4	[0.2, 0.9]	100.0	
Pearson: Uncorrected chi2(4) =	13.3881							
Design-based F(3.63, 8621.37) =	2.5378	Pr =	0.044					
<b>Gender</b>								
Male (n=933)	28.5	[25.1, 32.2]	70.9	[67.2, 74.4]	0.6	[0.3, 1.4]	100.0	
Female (n=1,455)	37.4	[34.1, 40.7]	62.0	[58.7, 65.2]	0.6	[0.3, 1.5]	100.0	
Pearson: Uncorrected chi2(2) =	21.2684							
Design-based F(1.99, 4723.98) =	6.8169	Pr =	0.001					
<b>Race/ethnicity</b>								
White, non-Hispanic (n=1,603)	32.5	[29.6, 35.6]	66.7	[63.6, 69.7]	0.8	[0.4, 1.6]	100.0	
Black, non-Hispanic (n=479)	36.2	[31.1, 41.7]	63.4	[57.9, 68.5]	0.4	[0.1, 1.8]	100.0	
Hispanic (n=100)	31.9	[22.1, 43.7]	68.1	[56.3, 77.9]	0.0		100.0	
Other, non-Hispanic (n=176)	29.1	[21.7, 37.8]	70.3	[61.6, 77.8]	0.6	[0.1, 4.2]	100.0	
Pearson: Uncorrected chi2(6) =	6.1710							
Design-based F(5.91, 13858.28) =	0.6527	Pr =	0.686					
<b>FPL category</b>								
0-35% (n=1,001)	35.3	[31.7, 39.1]	64.4	[60.5, 68.0]	0.3	[0.1, 1.3]	100.0	
36-99% (n=824)	29.1	[25.4, 33.1]	69.7	[65.7, 73.5]	1.1	[0.5, 2.4]	100.0	
100%+ (n=563)	32.9	[28.4, 37.6]	66.2	[61.5, 70.7]	0.9	[0.3, 2.7]	100.0	
Pearson: Uncorrected chi2(4) =	12.0287							
Design-based F(3.80, 9037.28) =	2.0671	Pr =	0.086					
<b>Region</b>								
UP/NW/NE (n=450)	32.5	[27.7, 37.7]	67.0	[61.8, 71.8]	0.5	[0.2, 1.5]	100.0	
W/E Central/E (n=777)	32.0	[28.3, 35.9]	67.3	[63.3, 70.9]	0.8	[0.3, 1.9]	100.0	
S Central/SW/SE (n=464)	35.8	[30.8, 41.0]	63.3	[58.0, 68.3]	0.9	[0.2, 4.1]	100.0	
Detroit Metro (n=697)	33.3	[29.1, 37.9]	66.3	[61.7, 70.5]	0.4	[0.1, 1.2]	100.0	
Pearson: Uncorrected chi2(6) =	3.4816							
Design-based F(4.99, 11850.50) =	0.4662	Pr =	0.801					
<b>Chronic condition (2016/2017 survey or DW)</b>								
Yes (n=1,931)	37.9	[35.1, 40.8]	61.5	[58.7, 64.4]	0.6	[0.3, 1.2]	100.0	
No (n=457)	16.6	[12.8, 21.2]	82.6	[77.9, 86.5]	0.8	[0.3, 2.3]	100.0	
Pearson: Uncorrected chi2(2) =	82.9194							
Design-based F(1.97, 4675.03) =	27.0213	Pr =	0.000					
<b>Total (n=2,388)</b>	33.3	[30.9, 35.8]	66.1	[63.6, 68.5]	0.6	[0.3, 1.1]	100.0	

**5.8.1 Q: Thinking about the most recent time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room?**

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (n = 922)

	Yes		No		Tried to contact PCP before going to ER NA		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>									
Still enrolled (n=777)	19.2	[16.0, 22.7]	78.5	[74.7, 81.8]	2.2	[1.3, 3.9]	0.1	[0.0, 0.5]	100.0
No longer enrolled (n=145)	18.6	[12.4, 27.0]	75.1	[65.6, 82.7]	5.6	[2.1, 14.5]	0.6	[0.1, 2.8]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.47, 2245.81) =	6.8117 1.7570	Pr =	0.164						
<b>Age</b>									
19-34 (n=309)	16.9	[12.5, 22.3]	78.3	[72.3, 83.3]	4.7	[2.5, 8.6]	0.2	[0.0, 1.2]	100.0
35-50 (n=295)	20.7	[15.9, 26.6]	77.7	[71.8, 82.7]	1.4	[0.5, 3.6]	0.1	[0.0, 1.0]	100.0
51-64 (n=318)	20.5	[15.5, 26.6]	77.7	[71.4, 82.9]	1.5	[0.3, 6.0]	0.4	[0.1, 1.6]	100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.04, 4585.74) =	10.7197 1.5614	Pr =	0.167						
<b>Gender</b>									
Male (n=336)	12.5	[9.1, 16.9]	84.0	[79.2, 87.9]	3.2	[1.7, 6.0]	0.3	[0.1, 1.1]	100.0
Female (n=586)	23.5	[19.5, 28.1]	73.8	[69.1, 78.1]	2.5	[1.1, 5.3]	0.2	[0.0, 0.7]	100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.57, 2339.16) =	17.4899 4.8772	Pr =	0.004						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=591)	20.0	[16.3, 24.3]	77.6	[73.2, 81.5]	2.1	[1.1, 3.9]	0.3	[0.1, 0.8]	100.0
Black, non-Hispanic (n=210)	16.6	[11.6, 23.1]	80.0	[73.0, 85.5]	3.2	[1.3, 7.6]	0.2	[0.0, 1.5]	100.0
Hispanic (n=44)	17.9	[8.9, 32.7]	73.8	[54.0, 87.2]	8.2	[1.2, 39.7]	0.0		100.0
Other, non-Hispanic (n=67)	25.1	[14.5, 39.8]	71.6	[57.0, 82.8]	3.3	[1.0, 10.4]	0.0		100.0
Pearson: Uncorrected chi2(9) = Design-based F(6.76, 6088.41) =	9.4160 0.7418	Pr =	0.632						
<b>FPL category</b>									
0-35% (n=407)	18.8	[14.7, 23.7]	77.3	[72.1, 81.8]	3.6	[1.9, 6.7]	0.2	[0.1, 0.8]	100.0
36-99% (n=297)	19.1	[14.7, 24.4]	78.3	[72.8, 83.0]	2.3	[1.0, 5.2]	0.3	[0.0, 2.0]	100.0
100%+ (n=218)	19.8	[14.4, 26.6]	79.5	[72.6, 84.9]	0.7	[0.2, 3.0]	0.0		100.0
Pearson: Uncorrected chi2(6) = Design-based F(5.34, 4856.11) =	4.6923 0.8830	Pr =	0.497						
<b>Region</b>									
UP/NW/NE (n=169)	23.2	[16.9, 30.9]	72.6	[64.5, 79.3]	3.4	[1.4, 8.1]	0.9	[0.2, 3.5]	100.0
W/E Central/E (n=283)	20.9	[16.2, 26.7]	77.5	[71.6, 82.4]	1.6	[0.6, 4.2]	0.0		100.0
S Central/SW/SE (n=193)	15.6	[10.6, 22.2]	80.6	[73.6, 86.1]	3.2	[1.4, 6.9]	0.7	[0.2, 2.8]	100.0
Detroit Metro (n=277)	18.5	[13.8, 24.5]	78.2	[71.9, 83.5]	3.2	[1.4, 7.4]	0.0		100.0
Pearson: Uncorrected chi2(9) = Design-based F(7.13, 6490.03) =	9.7232 1.1830	Pr =	0.308						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=828)	19.9	[16.8, 23.4]	77.4	[73.8, 80.7]	2.5	[1.5, 4.1]	0.2	[0.1, 0.7]	100.0
No (n=94)	13.2	[7.1, 23.1]	81.8	[70.0, 89.7]	5.0	[1.2, 18.0]	0.0		100.0
Pearson: Uncorrected chi2(3) = Design-based F(2.35, 2134.21) =	4.9826 1.0837	Pr =	0.346						
<b>Total (n=922)</b>	<b>19.1</b>	<b>[16.2, 22.3]</b>	<b>77.9</b>	<b>[74.5, 81.0]</b>	<b>2.8</b>	<b>[1.7, 4.6]</b>	<b>0.2</b>	<b>[0.1, 0.6]</b>	<b>100.0</b>

### 5.8.1.1 Q: Did you talk to someone?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: Respondents who tried to contact their usual provider's office before going to the emergency room (n = 190)

	Talked to someone before going to ER						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=159)	75.1	[65.3, 82.8]	23.9	[16.3, 33.8]	1.0	[0.2, 3.9]	100.0
No longer enrolled (n=31)	84.4	[64.0, 94.3]	15.6	[5.7, 36.0]	0.0		100.0
Pearson: Uncorrected chi2(2) =	1.3493						
Design-based F(1.91, 340.09) =	0.6309	Pr =	0.526				
<b>Age</b>							
19-34 (n=58)	74.9	[58.7, 86.2]	25.1	[13.8, 41.3]	0.0		100.0
35-50 (n=66)	82.3	[68.6, 90.8]	15.4	[7.4, 29.4]	2.3	[0.6, 9.2]	100.0
51-64 (n=66)	71.4	[53.8, 84.2]	28.6	[15.8, 46.2]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.9377						
Design-based F(3.72, 662.39) =	1.0620	Pr =	0.372				
<b>Gender</b>							
Male (n=49)	75.7	[58.0, 87.6]	22.5	[11.1, 40.4]	1.7	[0.2, 11.6]	100.0
Female (n=141)	76.8	[66.4, 84.7]	22.7	[14.8, 33.1]	0.5	[0.1, 3.5]	100.0
Pearson: Uncorrected chi2(2) =	0.6971						
Design-based F(1.78, 316.29) =	0.2884	Pr =	0.723				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=128)	78.7	[67.4, 86.9]	20.6	[12.5, 32.1]	0.6	[0.1, 4.3]	100.0
Black, non-Hispanic (n=36)	74.6	[54.4, 87.8]	23.6	[10.8, 43.9]	1.9	[0.3, 12.5]	100.0
Hispanic (n=10)	76.8	[43.4, 93.5]	23.2	[6.5, 56.6]	0.0		100.0
Other, non-Hispanic (n=16)	67.9	[37.5, 88.2]	32.1	[11.8, 62.5]	0.0		100.0
Pearson: Uncorrected chi2(6) =	2.1943						
Design-based F(5.34, 949.66) =	0.2984	Pr =	0.923				
<b>FPL category</b>							
0-35% (n=84)	71.1	[57.3, 81.8]	28.3	[17.6, 42.1]	0.7	[0.1, 4.6]	100.0
36-99% (n=63)	82.9	[69.7, 91.1]	15.2	[7.6, 28.2]	1.9	[0.3, 12.6]	100.0
100%+ (n=43)	84.6	[69.9, 92.9]	15.4	[7.1, 30.1]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.3821						
Design-based F(3.79, 675.29) =	1.4128	Pr =	0.230				
<b>Region</b>							
UP/NW/NE (n=43)	87.6	[70.4, 95.4]	12.4	[4.6, 29.6]	0.0		100.0
W/E Central/E (n=60)	74.0	[58.8, 84.9]	24.8	[14.0, 40.1]	1.2	[0.2, 8.4]	100.0
S Central/SW/SE (n=32)	84.7	[68.9, 93.3]	15.3	[6.7, 31.1]	0.0		100.0
Detroit Metro (n=55)	72.4	[55.6, 84.6]	26.5	[14.5, 43.4]	1.1	[0.1, 7.5]	100.0
Pearson: Uncorrected chi2(6) =	3.8107						
Design-based F(4.61, 820.45) =	0.7185	Pr =	0.599				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=176)	74.9	[65.6, 82.3]	24.2	[16.9, 33.5]	0.9	[0.2, 3.6]	100.0
No (n=14)	94.9	[69.6, 99.3]	5.1	[0.7, 30.4]	0.0		100.0
Pearson: Uncorrected chi2(2) =	3.2614						
Design-based F(1.99, 354.66) =	1.8649	Pr =	0.157				
<b>Total (n=190)</b>	<b>76.5</b>	<b>[67.8, 83.5]</b>	<b>22.6</b>	<b>[15.8, 31.3]</b>	<b>0.8</b>	<b>[0.2, 3.3]</b>	<b>100.0</b>

### 5.8.2 Q: Why did you end up going to the ER?

*Follow-up group(s):* Still enrolled, No longer enrolled

*Universe:* Respondents who talked to someone at their usual provider's office before going to the emergency room (n = 152)

Why did you end up going to the ER?	Weighted Proportion	95%CI
Told to go to ER (n=102)	63.2	[53.3, 72.2]
Symptoms didn't improve or got worse (n=28)	21.5	[13.9, 31.6]
Difficulty getting appointment (n=20)	15.4	[9.6, 24.0]
Other (n=10)	7.8	[3.8, 15.5]
No response from PCP/office not open (n=2)	0.9	[0.2, 3.8]
Don't know (n=1)	0.7	[0.1, 4.9]
Provider's advice wasn't helpful (n=1)	0.3	[0.0, 2.2]

**Note:** Respondents were able to provide multiple responses

### 5.8.3 Q: Which of these were true about that last ER visit?

#### 5.8.3.1 Q: You arrived by ambulance or other emergency vehicle

Follow-up group(s): Still enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (n = 773)

	Yes		Arrived by ambulance No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=767)	15.0	[12.3, 18.1]	84.9	[81.8, 87.6]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=244)	11.4	[7.5, 17.0]	88.6	[83.0, 92.5]	0.0		100.0
35-50 (n=255)	16.7	[12.3, 22.3]	83.0	[77.4, 87.4]	0.2	[0.0, 1.8]	100.0
51-64 (n=268)	18.2	[13.4, 24.1]	81.8	[75.9, 86.6]	0.0		100.0
Pearson: Uncorrected chi2(4) =	6.5384						
Design-based F(3.66, 2764.16) =	1.3632	Pr =	0.247				
<b>Gender</b>							
Male (n=280)	18.2	[13.6, 24.0]	81.6	[75.7, 86.2]	0.2	[0.0, 1.5]	100.0
Female (n=487)	12.9	[9.9, 16.6]	87.1	[83.4, 90.1]	0.0		100.0
Pearson: Uncorrected chi2(2) =	5.1606						
Design-based F(1.80, 1358.70) =	2.5895	Pr =	0.081				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=489)	12.2	[9.3, 16.0]	87.6	[83.9, 90.6]	0.1	[0.0, 1.1]	100.0
Black, non-Hispanic (n=178)	20.6	[14.8, 27.9]	79.4	[72.1, 85.2]	0.0		100.0
Hispanic (n=33)	4.3	[1.0, 16.7]	95.7	[83.3, 99.0]	0.0		100.0
Other, non-Hispanic (n=57)	13.9	[6.4, 27.6]	86.1	[72.4, 93.6]	0.0		100.0
Pearson: Uncorrected chi2(6) =	11.9492						
Design-based F(5.50, 4099.31) =	1.6388	Pr =	0.139				
<b>FPL category</b>							
0-35% (n=351)	15.9	[12.2, 20.6]	83.9	[79.3, 87.7]	0.1	[0.0, 1.0]	100.0
36-99% (n=242)	13.5	[9.3, 19.1]	86.5	[80.9, 90.7]	0.0		100.0
100%+ (n=174)	13.9	[9.0, 20.7]	86.1	[79.3, 91.0]	0.0		100.0
Pearson: Uncorrected chi2(4) =	1.2160						
Design-based F(3.41, 2572.92) =	0.3897	Pr =	0.786				
<b>Region</b>							
UP/NW/NE (n=138)	9.1	[5.4, 15.0]	90.9	[85.0, 94.6]	0.0		100.0
W/E Central/E (n=242)	15.7	[11.5, 21.0]	84.3	[79.0, 88.5]	0.0		100.0
S Central/SW/SE (n=153)	15.7	[10.1, 23.7]	83.8	[75.8, 89.5]	0.5	[0.1, 3.3]	100.0
Detroit Metro (n=234)	15.4	[11.0, 21.1]	84.6	[78.9, 89.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	4.9810						
Design-based F(4.34, 3275.29) =	1.1501	Pr =	0.331				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=697)	14.9	[12.1, 18.2]	85.0	[81.7, 87.8]	0.1	[0.0, 0.7]	100.0
No (n=70)	15.8	[8.0, 29.0]	84.2	[71.0, 92.0]	0.0		100.0
Pearson: Uncorrected chi2(2) =	0.1231						
Design-based F(1.70, 1280.63) =	0.0532	Pr =	0.925				
<b>Total (n=767)</b>	15.0	[12.3, 18.1]	84.9	[81.8, 87.6]	0.1	[0.0, 0.6]	100.0

Note: Total count is less than universe count due to item non-response.

### 5.8.3.2 Q: The problem was too serious for a doctor's office or clinic.

Follow-up group(s): Still enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (n = 773)

	Problem too serious for doctor's office						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=761)	55.6	[51.0, 60.2]	40.3	[35.8, 45.0]	4.0	[2.7, 6.1]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=244)	43.7	[36.2, 51.6]	53.0	[45.1, 60.8]	3.2	[1.3, 7.7]	100.0
35-50 (n=254)	61.7	[54.2, 68.7]	32.8	[26.2, 40.2]	5.5	[3.0, 9.8]	100.0
51-64 (n=263)	66.1	[58.6, 72.8]	30.6	[24.0, 38.0]	3.3	[1.7, 6.5]	100.0
Pearson: Uncorrected chi2(4) =	35.8692						
Design-based F(3.76, 2816.38) =	6.1628	Pr =	0.000				
<b>Gender</b>							
Male (n=278)	55.8	[48.6, 62.8]	39.9	[33.1, 47.2]	4.3	[2.0, 8.9]	100.0
Female (n=483)	55.5	[49.5, 61.4]	40.6	[34.7, 46.7]	3.9	[2.4, 6.2]	100.0
Pearson: Uncorrected chi2(2) =	0.0835						
Design-based F(2.00, 1495.98) =	0.0254	Pr =	0.975				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=487)	55.0	[49.1, 60.8]	40.7	[35.0, 46.7]	4.3	[2.5, 7.2]	100.0
Black, non-Hispanic (n=176)	57.5	[48.2, 66.3]	38.6	[29.9, 48.2]	3.9	[1.7, 8.6]	100.0
Hispanic (n=33)	46.9	[28.3, 66.5]	51.5	[32.1, 70.5]	1.6	[0.2, 10.6]	100.0
Other, non-Hispanic (n=55)	53.5	[37.2, 69.0]	41.2	[26.4, 57.9]	5.3	[1.1, 22.8]	100.0
Pearson: Uncorrected chi2(6) =	2.7274						
Design-based F(5.49, 4059.10) =	0.3017	Pr =	0.925				
<b>FPL category</b>							
0-35% (n=349)	53.0	[46.5, 59.5]	42.2	[35.8, 48.8]	4.8	[2.8, 8.0]	100.0
36-99% (n=239)	62.5	[54.1, 70.2]	35.4	[27.8, 43.9]	2.1	[0.8, 5.3]	100.0
100%+ (n=173)	55.5	[46.5, 64.1]	40.5	[32.0, 49.6]	4.0	[1.5, 10.4]	100.0
Pearson: Uncorrected chi2(4) =	5.7621						
Design-based F(3.86, 2894.12) =	1.1220	Pr =	0.344				
<b>Region</b>							
UP/NW/NE (n=137)	51.9	[42.4, 61.3]	43.5	[34.3, 53.1]	4.6	[2.1, 9.8]	100.0
W/E Central/E (n=241)	52.8	[45.7, 59.9]	43.4	[36.4, 50.7]	3.8	[1.8, 7.5]	100.0
S Central/SW/SE (n=150)	59.0	[49.5, 67.9]	33.3	[25.2, 42.5]	7.7	[3.3, 17.0]	100.0
Detroit Metro (n=233)	56.8	[48.4, 64.8]	40.5	[32.6, 49.1]	2.6	[1.2, 5.7]	100.0
Pearson: Uncorrected chi2(6) =	9.5227						
Design-based F(5.18, 3881.17) =	1.2853	Pr =	0.266				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=691)	56.8	[51.9, 61.6]	39.6	[34.9, 44.6]	3.6	[2.3, 5.5]	100.0
No (n=70)	46.0	[32.5, 60.1]	46.1	[32.8, 59.9]	7.9	[2.3, 23.6]	100.0
Pearson: Uncorrected chi2(2) =	5.6486						
Design-based F(1.95, 1457.69) =	1.4598	Pr =	0.233				
<b>Total (n=761)</b>	55.6	[51.0, 60.2]	40.3	[35.8, 45.0]	4.0	[2.7, 6.1]	100.0

Note: Total count is less than universe count due to item non-response.

### 5.8.3.3 Q: Your doctor's office or clinic was not open.

Follow-up group(s): Still enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (n = 773)

	Yes		PCP office was not open No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=756)	66.3	[61.9, 70.4]	29.7	[25.8, 34.0]	4.0	[2.6, 6.0]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=243)	68.6	[61.1, 75.3]	28.2	[21.8, 35.5]	3.2	[1.3, 7.6]	100.0
35-50 (n=252)	62.5	[54.9, 69.5]	33.7	[26.9, 41.3]	3.8	[2.0, 7.1]	100.0
51-64 (n=261)	67.9	[60.5, 74.5]	26.7	[20.6, 33.8]	5.4	[2.9, 9.9]	100.0
Pearson: Uncorrected chi2(4) =	4.6442						
Design-based F(3.86, 2869.86) =	0.8037	Pr =	0.519				
<b>Gender</b>							
Male (n=275)	61.9	[54.6, 68.7]	32.9	[26.4, 40.0]	5.2	[2.7, 9.7]	100.0
Female (n=481)	69.2	[63.7, 74.1]	27.6	[22.9, 33.0]	3.2	[1.9, 5.2]	100.0
Pearson: Uncorrected chi2(2) =	4.9966						
Design-based F(1.99, 1477.22) =	1.6922	Pr =	0.185				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=482)	72.0	[66.7, 76.7]	23.6	[19.3, 28.6]	4.4	[2.6, 7.3]	100.0
Black, non-Hispanic (n=175)	61.1	[52.0, 69.5]	34.4	[26.3, 43.5]	4.5	[2.1, 9.2]	100.0
Hispanic (n=33)	60.3	[40.1, 77.4]	39.7	[22.6, 59.9]	0.0		100.0
Other, non-Hispanic (n=56)	49.3	[33.7, 65.0]	48.7	[33.1, 64.6]	2.0	[0.3, 13.2]	100.0
Pearson: Uncorrected chi2(6) =	23.2218						
Design-based F(5.92, 4342.20) =	2.6559	Pr =	0.015				
<b>FPL category</b>							
0-35% (n=347)	66.1	[59.8, 71.9]	30.4	[24.8, 36.5]	3.5	[1.8, 6.8]	100.0
36-99% (n=237)	68.4	[60.6, 75.3]	26.2	[19.7, 33.9]	5.4	[3.0, 9.7]	100.0
100%+ (n=172)	64.3	[55.5, 72.2]	32.1	[24.4, 40.8]	3.6	[1.8, 7.1]	100.0
Pearson: Uncorrected chi2(4) =	2.4555						
Design-based F(3.76, 2796.68) =	0.5336	Pr =	0.700				
<b>Region</b>							
UP/NW/NE (n=137)	61.5	[51.6, 70.4]	31.2	[22.8, 41.1]	7.3	[4.0, 13.1]	100.0
W/E Central/E (n=238)	73.6	[67.0, 79.2]	24.4	[18.9, 30.9]	2.0	[0.8, 4.8]	100.0
S Central/SW/SE (n=150)	64.7	[54.9, 73.3]	30.3	[22.3, 39.7]	5.0	[1.7, 13.8]	100.0
Detroit Metro (n=231)	63.2	[55.3, 70.5]	32.6	[25.6, 40.4]	4.2	[2.2, 7.7]	100.0
Pearson: Uncorrected chi2(6) =	9.9620						
Design-based F(5.21, 3874.56) =	1.3679	Pr =	0.231				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=686)	66.5	[61.9, 70.9]	29.7	[25.5, 34.2]	3.8	[2.5, 5.7]	100.0
No (n=70)	64.5	[50.1, 76.6]	30.0	[19.0, 43.8]	5.6	[1.3, 20.6]	100.0
Pearson: Uncorrected chi2(2) =	0.6433						
Design-based F(1.94, 1442.81) =	0.1680	Pr =	0.839				
<b>Total (n=756)</b>	66.3	[61.9, 70.4]	29.7	[25.8, 34.0]	4.0	[2.6, 6.0]	100.0

Note: Total count is less than universe count due to item non-response.

**5.8.3.4 Q: You needed to get care at a time that would not make you miss work or school.**

Follow-up group(s): Still enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (n = 773)

	Needed to go at a time I wouldn't miss work/school						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=756)	40.3	[35.7, 44.9]	58.5	[53.9, 63.1]	1.2	[0.6, 2.4]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=240)	47.3	[39.3, 55.5]	52.7	[44.5, 60.7]	0.0		100.0
35-50 (n=253)	40.1	[32.9, 47.8]	58.7	[51.0, 66.0]	1.2	[0.5, 2.8]	100.0
51-64 (n=263)	29.6	[22.8, 37.3]	67.3	[59.5, 74.3]	3.1	[1.2, 7.7]	100.0
Pearson: Uncorrected chi2(4) =	22.9836						
Design-based F(3.59, 2673.90) =	4.4168	Pr =	0.002				
<b>Gender</b>							
Male (n=273)	41.8	[34.7, 49.2]	56.5	[49.1, 63.7]	1.6	[0.6, 4.6]	100.0
Female (n=483)	39.2	[33.5, 45.3]	59.8	[53.7, 65.6]	0.9	[0.4, 2.1]	100.0
Pearson: Uncorrected chi2(2) =	1.3627						
Design-based F(1.90, 1412.66) =	0.4870	Pr =	0.605				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=481)	41.5	[35.7, 47.5]	57.3	[51.3, 63.1]	1.2	[0.4, 3.2]	100.0
Black, non-Hispanic (n=177)	43.1	[34.2, 52.4]	55.7	[46.5, 64.6]	1.2	[0.4, 3.7]	100.0
Hispanic (n=32)	28.2	[12.9, 51.1]	71.8	[48.9, 87.1]	0.0		100.0
Other, non-Hispanic (n=56)	31.2	[17.5, 49.2]	66.2	[48.7, 80.2]	2.6	[0.8, 8.1]	100.0
Pearson: Uncorrected chi2(6) =	6.1663						
Design-based F(5.36, 3931.39) =	0.7453	Pr =	0.598				
<b>FPL category</b>							
0-35% (n=347)	39.1	[32.8, 45.8]	60.0	[53.3, 66.4]	0.8	[0.2, 3.1]	100.0
36-99% (n=237)	44.4	[36.4, 52.8]	54.3	[46.0, 62.3]	1.3	[0.4, 3.9]	100.0
100%+ (n=172)	38.7	[30.5, 47.6]	58.9	[50.0, 67.2]	2.4	[1.0, 5.9]	100.0
Pearson: Uncorrected chi2(4) =	3.7081						
Design-based F(3.75, 2789.88) =	0.7858	Pr =	0.527				
<b>Region</b>							
UP/NW/NE (n=135)	31.9	[24.1, 41.0]	65.6	[56.6, 73.6]	2.4	[1.0, 5.9]	100.0
W/E Central/E (n=238)	43.3	[36.3, 50.7]	56.1	[48.8, 63.2]	0.5	[0.1, 2.1]	100.0
S Central/SW/SE (n=151)	37.7	[29.0, 47.3]	61.7	[52.2, 70.5]	0.6	[0.1, 4.2]	100.0
Detroit Metro (n=232)	40.9	[33.0, 49.3]	57.4	[49.1, 65.4]	1.7	[0.6, 4.5]	100.0
Pearson: Uncorrected chi2(6) =	5.6212						
Design-based F(4.84, 3598.27) =	0.9489	Pr =	0.446				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=686)	39.9	[35.2, 44.9]	58.7	[53.8, 63.5]	1.4	[0.7, 2.7]	100.0
No (n=70)	42.9	[29.6, 57.4]	57.1	[42.6, 70.4]	0.0		100.0
Pearson: Uncorrected chi2(2) =	1.3112						
Design-based F(1.91, 1423.18) =	0.4483	Pr =	0.630				
<b>Total (n=756)</b>	40.3	[35.7, 44.9]	58.5	[53.9, 63.1]	1.2	[0.6, 2.4]	100.0

Note: Total count is less than universe count due to item non-response.

**5.8.3.5 Q: You went to the ER because it's your closest place to receive care.**

Follow-up group(s): Still enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (n = 773)

	ER is closest place to receive care						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=751)	70.9	[66.5, 75.0]	28.3	[24.2, 32.7]	0.8	[0.3, 2.4]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=238)	65.7	[57.8, 72.9]	33.1	[26.0, 41.0]	1.2	[0.3, 4.6]	100.0
35-50 (n=251)	72.3	[64.8, 78.8]	26.7	[20.3, 34.2]	1.0	[0.2, 5.8]	100.0
51-64 (n=262)	77.0	[69.5, 83.1]	23.0	[16.9, 30.5]	0.0		100.0
Pearson: Uncorrected chi2(4) =	8.9154						
Design-based F(3.91, 2889.37) =	1.2434	Pr =	0.291				
<b>Gender</b>							
Male (n=273)	71.1	[64.1, 77.2]	28.1	[22.1, 35.0]	0.8	[0.1, 5.5]	100.0
Female (n=478)	70.8	[65.0, 76.0]	28.4	[23.2, 34.2]	0.8	[0.2, 3.0]	100.0
Pearson: Uncorrected chi2(2) =	0.0062						
Design-based F(1.97, 1456.34) =	0.0016	Pr =	0.998				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=477)	66.4	[60.4, 71.9]	32.7	[27.3, 38.7]	0.9	[0.2, 3.2]	100.0
Black, non-Hispanic (n=176)	78.7	[70.7, 84.9]	21.3	[15.1, 29.3]	0.0		100.0
Hispanic (n=32)	91.6	[73.7, 97.7]	8.4	[2.3, 26.3]	0.0		100.0
Other, non-Hispanic (n=56)	66.1	[49.1, 79.7]	33.9	[20.3, 50.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	20.0631						
Design-based F(5.91, 4306.16) =	2.1509	Pr =	0.046				
<b>FPL category</b>							
0-35% (n=347)	71.4	[65.0, 77.2]	27.2	[21.6, 33.7]	1.3	[0.4, 4.1]	100.0
36-99% (n=235)	73.4	[66.4, 79.4]	26.4	[20.5, 33.4]	0.1	[0.0, 1.0]	100.0
100%+ (n=169)	65.8	[56.6, 74.0]	34.2	[26.0, 43.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	5.9490						
Design-based F(3.12, 2308.68) =	1.2438	Pr =	0.292				
<b>Region</b>							
UP/NW/NE (n=135)	67.9	[57.5, 76.7]	31.8	[23.0, 42.1]	0.4	[0.1, 2.7]	100.0
W/E Central/E (n=235)	68.9	[61.5, 75.4]	30.4	[23.9, 37.7]	0.7	[0.1, 5.2]	100.0
S Central/SW/SE (n=151)	71.8	[62.7, 79.4]	28.2	[20.6, 37.3]	0.0		100.0
Detroit Metro (n=230)	72.5	[64.4, 79.2]	26.3	[19.6, 34.2]	1.3	[0.3, 5.1]	100.0
Pearson: Uncorrected chi2(6) =	3.6156						
Design-based F(4.84, 3579.63) =	0.4554	Pr =	0.804				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=682)	70.6	[65.8, 74.9]	28.5	[24.2, 33.2]	0.9	[0.3, 2.7]	100.0
No (n=69)	73.9	[61.5, 83.5]	26.1	[16.5, 38.5]	0.0		100.0
Pearson: Uncorrected chi2(2) =	1.0068						
Design-based F(1.94, 1435.75) =	0.3058	Pr =	0.730				
<b>Total (n=751)</b>	70.9	[66.5, 75.0]	28.3	[24.2, 32.7]	0.8	[0.3, 2.4]	100.0

Note: Total count is less than universe count due to item non-response.

**5.8.3.6 Q: You went to the ER because you get most of your care at the emergency room.**

Follow-up group(s): Still enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (n = 773)

	Receive most care at ER						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=739)	23.5	[20.0, 27.5]	75.8	[71.8, 79.3]	0.7	[0.3, 1.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=236)	23.2	[17.6, 30.0]	76.8	[70.0, 82.4]	0.0		100.0
35-50 (n=246)	24.5	[18.5, 31.7]	75.0	[67.8, 81.0]	0.5	[0.2, 1.8]	100.0
51-64 (n=257)	22.7	[17.0, 29.5]	75.3	[68.4, 81.1]	2.0	[0.8, 4.8]	100.0
Pearson: Uncorrected chi2(4) =	7.0596						
Design-based F(3.48, 2530.51) =	1.6972	Pr =	0.157				
<b>Gender</b>							
Male (n=270)	33.7	[27.1, 40.9]	65.0	[57.8, 71.6]	1.3	[0.5, 3.1]	100.0
Female (n=469)	16.8	[13.3, 21.0]	82.9	[78.6, 86.4]	0.3	[0.1, 1.1]	100.0
Pearson: Uncorrected chi2(2) =	31.2128						
Design-based F(1.73, 1254.11) =	15.2263	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=473)	19.9	[16.0, 24.4]	79.0	[74.4, 83.0]	1.1	[0.5, 2.4]	100.0
Black, non-Hispanic (n=171)	30.2	[22.5, 39.2]	69.6	[60.6, 77.3]	0.2	[0.0, 1.7]	100.0
Hispanic (n=32)	28.1	[14.2, 48.0]	71.9	[52.0, 85.8]	0.0		100.0
Other, non-Hispanic (n=53)	21.9	[11.6, 37.4]	78.1	[62.6, 88.4]	0.0		100.0
Pearson: Uncorrected chi2(6) =	10.7669						
Design-based F(5.36, 3840.01) =	1.5044	Pr =	0.180				
<b>FPL category</b>							
0-35% (n=335)	25.4	[20.3, 31.3]	73.8	[67.9, 79.0]	0.8	[0.3, 2.0]	100.0
36-99% (n=234)	21.1	[15.8, 27.5]	78.5	[72.0, 83.8]	0.4	[0.1, 1.9]	100.0
100%+ (n=170)	20.5	[14.3, 28.3]	78.7	[70.8, 84.9]	0.8	[0.2, 3.2]	100.0
Pearson: Uncorrected chi2(4) =	2.3505						
Design-based F(3.48, 2531.79) =	0.7043	Pr =	0.570				
<b>Region</b>							
UP/NW/NE (n=133)	14.0	[8.6, 21.9]	85.0	[77.0, 90.5]	1.1	[0.2, 4.4]	100.0
W/E Central/E (n=230)	25.5	[19.7, 32.4]	73.7	[66.9, 79.6]	0.8	[0.2, 2.4]	100.0
S Central/SW/SE (n=147)	29.0	[20.9, 38.6]	69.2	[59.6, 77.4]	1.8	[0.5, 6.1]	100.0
Detroit Metro (n=229)	21.9	[16.3, 28.7]	78.0	[71.2, 83.5]	0.2	[0.0, 1.1]	100.0
Pearson: Uncorrected chi2(6) =	10.5232						
Design-based F(4.80, 3491.31) =	2.0295	Pr =	0.074				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=670)	23.0	[19.4, 27.2]	76.2	[72.0, 79.9]	0.8	[0.4, 1.6]	100.0
No (n=69)	27.4	[16.6, 41.8]	72.6	[58.2, 83.4]	0.0		100.0
Pearson: Uncorrected chi2(2) =	1.3500						
Design-based F(1.75, 1273.49) =	0.5541	Pr =	0.552				
<b>Total (n=739)</b>	23.5	[20.0, 27.5]	75.8	[71.8, 79.3]	0.7	[0.3, 1.5]	100.0

Note: Total count is less than universe count due to item non-response.

### 5.8.3.7 Q: Any other reason you decided to go to the ER?

Follow-up group(s): Still enrolled

Universe: Respondents who had an emergency room visit in the past 12 months (n = 773)

Any other reasons for going to ER	Weighted Proportion	95%CI
Other (n=109)	13.9	[11.2, 17.1]
Symptoms didn't improve or got worse (n=88)	10.1	[7.8, 13.0]
No response from provider/office closed (n=19)	3.0	[1.8, 4.9]
Told to go to the ER (n=25)	2.5	[1.6, 4.1]
Transportation/logistics (n=10)	1.4	[0.6, 3.0]
Difficulty getting appointment (n=6)	0.8	[0.3, 2.1]
Provider's advice wasn't helpful (n=2)	0.5	[0.1, 3.1]
N/A (n=5)	0.4	[0.2, 1.1]

Note: Respondents were able to provide multiple responses

## 5.9 Q: In the last 12 months was there a time when you needed help or advice when your usual clinic or doctor's office was closed?

Follow-up group(s): Still enrolled

Universe: All respondents

	Needed help when usual clinic/doctor's office was closed in last 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,380)	24.4	[22.2, 26.6]	75.2	[73.0, 77.4]	0.4	[0.2, 0.8]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=663)	26.7	[22.7, 31.0]	73.1	[68.7, 77.0]	0.2	[0.1, 0.8]	100.0
35-50 (n=755)	23.3	[19.9, 27.1]	76.2	[72.3, 79.6]	0.5	[0.2, 1.5]	100.0
51-64 (n=962)	22.7	[19.6, 26.3]	76.8	[73.2, 80.0]	0.5	[0.2, 1.3]	100.0
Pearson: Uncorrected chi2(4) =	4.9553						
Design-based F(3.67, 8695.97) =	0.9988	Pr =	0.403				
<b>Gender</b>							
Male (n=931)	18.9	[16.1, 22.2]	80.8	[77.6, 83.7]	0.2	[0.1, 0.6]	100.0
Female (n=1,449)	29.0	[26.0, 32.1]	70.4	[67.3, 73.4]	0.6	[0.3, 1.3]	100.0
Pearson: Uncorrected chi2(2) =	35.0438						
Design-based F(1.78, 4216.19) =	14.5217	Pr =	0.000				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=1,601)	25.5	[22.8, 28.3]	73.9	[71.1, 76.6]	0.6	[0.3, 1.2]	100.0
Black, non-Hispanic (n=475)	22.3	[18.0, 27.3]	77.5	[72.5, 81.9]	0.2	[0.0, 1.5]	100.0
Hispanic (n=99)	27.6	[17.7, 40.4]	72.4	[59.6, 82.3]	0.0		100.0
Other, non-Hispanic (n=176)	22.6	[16.1, 30.7]	77.4	[69.3, 83.9]	0.0		100.0
Pearson: Uncorrected chi2(6) =	6.8513						
Design-based F(5.71, 13363.57) =	0.7260	Pr =	0.622				
<b>FPL category</b>							
0-35% (n=998)	24.6	[21.5, 28.0]	75.1	[71.7, 78.3]	0.3	[0.1, 0.8]	100.0
36-99% (n=822)	23.4	[19.9, 27.2]	75.9	[72.0, 79.4]	0.7	[0.3, 1.9]	100.0
100%+ (n=560)	25.1	[21.1, 29.5]	74.5	[70.1, 78.5]	0.4	[0.1, 1.8]	100.0
Pearson: Uncorrected chi2(4) =	2.4776						
Design-based F(3.87, 9167.88) =	0.5325	Pr =	0.706				
<b>Region</b>							
UP/NW/NE (n=450)	24.5	[20.2, 29.4]	74.7	[69.8, 79.1]	0.8	[0.3, 2.1]	100.0
W/E Central/E (n=774)	25.7	[22.3, 29.4]	73.6	[69.9, 77.0]	0.7	[0.3, 1.7]	100.0
S Central/SW/SE (n=462)	26.4	[22.1, 31.2]	73.3	[68.5, 77.6]	0.2	[0.0, 1.7]	100.0
Detroit Metro (n=694)	22.6	[19.0, 26.7]	77.2	[73.0, 80.8]	0.2	[0.1, 1.0]	100.0
Pearson: Uncorrected chi2(6) =	6.4928						
Design-based F(5.26, 12463.39) =	0.9998	Pr =	0.418				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=1,923)	26.3	[23.9, 28.9]	73.2	[70.6, 75.7]	0.5	[0.2, 0.9]	100.0
No (n=457)	17.3	[13.4, 22.0]	82.5	[77.8, 86.3]	0.3	[0.1, 1.1]	100.0
Pearson: Uncorrected chi2(2) =	18.5900						
Design-based F(1.73, 4097.64) =	7.6249	Pr =	0.001				
<b>Total (n=2,380)</b>	24.4	[22.2, 26.6]	75.2	[73.0, 77.4]	0.4	[0.2, 0.8]	100.0

Note: Total count is less than universe count due to item non-response.

### 5.9.1 Q: Thinking of the last time, what did you do to get the health care help or advice you needed?

*Follow-up group(s):* Still enrolled

*Universe:* Respondents who needed health care help or advice when their usual clinic or doctor's office was closed in the last 12 months (n = 590)

Means of getting help when usual clinic or doctor's office closed	Weighted Proportion	95%CI
Went to ER (n=203)	36.4	[31.5, 41.7]
Went to Urgent Care/Walk-in clinic (n=185)	29.1	[24.8, 33.8]
Got advice elsewhere (n=94)	16.2	[12.9, 20.2]
Phone/email with PCP office (n=57)	10.3	[7.6, 13.8]
Got PCP appointment next day/soon (n=47)	8.5	[6.0, 11.9]
Did not seek care, problem did not improve (n=9)	1.4	[0.7, 2.9]
Problem improved without seeking care (n=8)	1.1	[0.5, 2.7]
Other (n=7)	1.0	[0.4, 2.3]
Don't know (n=1)	0.1	[0.0, 0.9]

**Note:** Respondents were able to provide multiple responses

## 5.10 Q: If I have a medical problem, my preference is to go straight to a doctor and ask his or her opinion.

Follow-up group(s): Still enrolled

Universe: All respondents

	Preference is to go straight to doctor for a medical problem												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
Still enrolled (n=2,387)	15.7	[13.9, 17.7]	68.1	[65.6, 70.5]	8.5	[7.1, 10.2]	6.6	[5.4, 8.1]	0.5	[0.3, 0.9]	0.5	[0.2, 1.3]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		.		
Design-based F(., .) =	.		Pr =	.									
<b>Age</b>													
19-34 (n=663)	14.7	[11.6, 18.5]	65.5	[60.7, 70.0]	11.4	[8.5, 15.1]	7.8	[5.6, 10.9]	0.6	[0.2, 1.7]	0.0		100.0
35-50 (n=760)	18.4	[15.0, 22.3]	68.2	[63.8, 72.3]	6.6	[4.8, 9.1]	5.3	[3.7, 7.6]	0.5	[0.1, 1.5]	1.0	[0.3, 3.4]	100.0
51-64 (n=964)	13.8	[11.4, 16.5]	71.2	[67.6, 74.5]	7.2	[5.5, 9.3]	6.8	[5.0, 9.2]	0.3	[0.1, 0.8]	0.7	[0.3, 1.6]	100.0
Pearson: Uncorrected chi2(10) =	33.7678												
Design-based F(8.31, 19731.41) =	2.1149		Pr =	0.029									
<b>Gender</b>													
Male (n=933)	16.1	[13.2, 19.4]	68.7	[64.7, 72.4]	7.5	[5.7, 9.9]	6.2	[4.5, 8.5]	0.6	[0.2, 1.5]	1.0	[0.4, 2.7]	100.0
Female (n=1,454)	15.4	[13.1, 18.0]	67.6	[64.4, 70.7]	9.3	[7.4, 11.7]	7.0	[5.5, 9.0]	0.4	[0.2, 0.9]	0.2	[0.1, 0.5]	100.0
Pearson: Uncorrected chi2(5) =	11.1517												
Design-based F(4.72, 11200.27) =	1.4869		Pr =	0.194									
<b>Race/ethnicity</b>													
White, non-Hispanic (n=1,603)	14.5	[12.2, 17.0]	65.2	[62.0, 68.3]	10.4	[8.5, 12.7]	8.4	[6.8, 10.5]	0.7	[0.4, 1.4]	0.8	[0.3, 2.0]	100.0
Black, non-Hispanic (n=479)	18.3	[14.6, 22.8]	72.5	[67.4, 77.1]	5.0	[3.2, 7.8]	3.6	[2.0, 6.7]	0.2	[0.0, 1.6]	0.3	[0.0, 2.1]	100.0
Hispanic (n=100)	12.8	[5.9, 25.5]	75.8	[61.7, 85.8]	8.2	[2.5, 23.4]	3.3	[1.0, 10.1]	0.0		0.0		100.0
Other, non-Hispanic (n=175)	20.2	[14.0, 28.1]	69.1	[60.4, 76.6]	6.0	[3.1, 11.2]	4.5	[2.0, 10.0]	0.1	[0.0, 1.0]	0.1	[0.0, 1.0]	100.0
Pearson: Uncorrected chi2(15) =	53.7341												
Design-based F(12.50, 29306.76) =	2.1355		Pr =	0.011									
<b>FPL category</b>													
0-35% (n=1,001)	16.4	[13.7, 19.5]	66.9	[63.0, 70.5]	8.9	[6.8, 11.6]	6.5	[4.7, 8.9]	0.6	[0.3, 1.3]	0.8	[0.3, 2.2]	100.0
36-99% (n=824)	15.7	[12.7, 19.2]	69.3	[65.4, 73.0]	8.0	[6.2, 10.2]	6.4	[4.9, 8.4]	0.1	[0.0, 0.5]	0.5	[0.2, 1.1]	100.0
100%+ (n=562)	13.6	[10.8, 17.0]	70.2	[65.8, 74.3]	8.1	[6.0, 10.8]	7.5	[5.4, 10.4]	0.6	[0.1, 2.6]	0.0		100.0
Pearson: Uncorrected chi2(10) =	9.1258												
Design-based F(7.83, 18586.78) =	0.6996		Pr =	0.689									
<b>Region</b>													
UP/NW/NE (n=450)	12.4	[9.3, 16.3]	65.8	[60.6, 70.7]	8.2	[5.6, 11.7]	12.6	[9.5, 16.6]	0.3	[0.1, 1.2]	0.7	[0.2, 2.3]	100.0
W/E Central/E (n=777)	17.4	[14.3, 21.1]	67.6	[63.5, 71.4]	8.8	[6.7, 11.6]	5.0	[3.6, 7.0]	0.7	[0.2, 1.9]	0.5	[0.2, 1.4]	100.0
S Central/SW/SE (n=464)	12.1	[9.2, 15.8]	67.7	[62.7, 72.4]	9.9	[7.1, 13.5]	9.1	[6.5, 12.7]	0.9	[0.3, 2.8]	0.3	[0.0, 1.8]	100.0
Detroit Metro (n=696)	16.7	[13.5, 20.4]	69.1	[64.5, 73.3]	7.9	[5.5, 11.0]	5.5	[3.6, 8.5]	0.2	[0.1, 0.9]	0.6	[0.1, 2.9]	100.0
Pearson: Uncorrected chi2(15) =	33.6713												
Design-based F(12.27, 29135.79) =	1.7670		Pr =	0.046									
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=1,930)	16.1	[14.1, 18.4]	69.0	[66.2, 71.7]	7.8	[6.3, 9.6]	6.1	[4.8, 7.8]	0.3	[0.1, 0.6]	0.6	[0.2, 1.6]	100.0
No (n=457)	14.2	[10.5, 19.0]	64.8	[59.1, 70.0]	11.0	[7.9, 15.2]	8.5	[6.0, 11.8]	1.2	[0.4, 3.1]	0.3	[0.1, 1.4]	100.0
Pearson: Uncorrected chi2(5) =	17.1862												
Design-based F(4.79, 11388.03) =	2.2596		Pr =	0.048									
<b>Total (n=2,387)</b>	15.7	[13.9, 17.7]	68.1	[65.6, 70.5]	8.5	[7.1, 10.2]	6.6	[5.4, 8.1]	0.5	[0.3, 0.9]	0.5	[0.2, 1.3]	100.0

Note: Total count is less than universe count due to item non-response.

## 5.11 Q: I'm often embarrassed to go see a doctor.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Neutral		Embarrassed to go see a doctor Disagree		Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=709)	2.4	[1.3, 4.4]	9.2	[6.8, 12.4]	3.6	[2.3, 5.7]	63.4	[58.8, 67.8]	20.7	[17.1, 24.8]	0.7	[0.2, 2.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		.		.
Design-based F(., .) =	.	Pr =	.		.		.		.		.		.
<b>Age</b>													
19-34 (n=245)	2.1	[0.8, 5.4]	7.4	[4.6, 11.6]	6.2	[3.4, 10.9]	56.7	[48.8, 64.3]	26.9	[20.3, 34.7]	0.7	[0.1, 5.0]	100.0
35-50 (n=209)	1.6	[0.4, 5.4]	13.1	[7.8, 21.2]	0.7	[0.1, 2.9]	68.5	[60.1, 75.9]	16.1	[11.0, 23.1]	0.0		100.0
51-64 (n=255)	3.9	[1.4, 10.4]	7.7	[4.6, 12.6]	2.9	[1.5, 5.6]	68.0	[60.7, 74.5]	16.1	[11.8, 21.5]	1.5	[0.4, 5.7]	100.0
Pearson: Uncorrected chi2(10) =	35.0580												
Design-based F(9.24, 6442.34) =	2.4355	Pr =	0.009										
<b>Gender</b>													
Male (n=297)	3.7	[1.7, 7.7]	12.1	[8.1, 17.7]	3.8	[1.8, 7.7]	61.6	[54.3, 68.5]	18.2	[13.1, 24.6]	0.6	[0.1, 4.2]	100.0
Female (n=412)	1.1	[0.4, 2.9]	6.4	[4.2, 9.7]	3.4	[2.0, 5.8]	65.1	[59.3, 70.5]	23.2	[18.4, 28.8]	0.8	[0.2, 3.1]	100.0
Pearson: Uncorrected chi2(5) =	13.7794												
Design-based F(4.88, 3403.38) =	1.8112	Pr =	0.109										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=455)	2.5	[1.1, 5.8]	7.6	[5.3, 10.8]	4.7	[2.7, 8.0]	61.3	[55.5, 66.7]	23.6	[19.2, 28.8]	0.4	[0.1, 2.6]	100.0
Black, non-Hispanic (n=155)	3.5	[1.4, 8.4]	11.5	[6.4, 20.0]	1.4	[0.4, 4.5]	63.6	[53.2, 72.9]	19.9	[12.2, 30.8]	0.0		100.0
Hispanic (n=38)	0.0		15.5	[5.5, 36.5]	5.6	[1.5, 19.4]	73.3	[53.8, 86.6]	2.2	[0.5, 8.8]	3.3	[0.5, 20.2]	100.0
Other, non-Hispanic (n=52)	0.0		10.7	[3.4, 29.4]	2.3	[0.5, 9.3]	73.0	[56.1, 85.1]	10.3	[4.4, 22.1]	3.7	[0.5, 22.1]	100.0
Pearson: Uncorrected chi2(15) =	38.1279												
Design-based F(13.29, 9143.87) =	1.7199	Pr =	0.049										
<b>FPL category</b>													
0-35% (n=217)	4.7	[2.2, 9.7]	9.9	[5.8, 16.5]	3.5	[1.4, 8.4]	61.0	[52.2, 69.0]	21.0	[14.5, 29.3]	0.0		100.0
36-99% (n=260)	1.3	[0.5, 3.6]	10.0	[6.6, 15.0]	3.7	[2.0, 6.7]	65.1	[58.4, 71.3]	18.3	[13.8, 23.9]	1.6	[0.4, 6.2]	100.0
100%+ (n=232)	0.3	[0.0, 2.1]	7.2	[4.0, 12.4]	3.7	[1.7, 7.8]	65.0	[57.2, 72.0]	23.2	[17.2, 30.4]	0.7	[0.1, 4.7]	100.0
Pearson: Uncorrected chi2(10) =	18.2238												
Design-based F(9.09, 6337.87) =	1.3537	Pr =	0.203										
<b>Region</b>													
UP/NW/NE (n=124)	0.5	[0.1, 3.4]	6.2	[3.1, 11.9]	3.8	[1.4, 10.4]	61.5	[51.6, 70.5]	28.0	[20.0, 37.7]	0.0		100.0
W/E Central/E (n=203)	1.6	[0.4, 6.9]	9.5	[5.9, 14.9]	4.0	[2.0, 8.1]	67.3	[59.6, 74.1]	17.5	[12.5, 24.1]	0.0		100.0
S Central/SW/SE (n=169)	2.0	[0.7, 5.7]	10.8	[6.0, 18.5]	5.0	[2.5, 9.7]	59.8	[50.6, 68.4]	22.5	[16.2, 30.4]	0.0		100.0
Detroit Metro (n=213)	3.7	[1.5, 8.4]	8.8	[5.0, 15.2]	2.4	[0.7, 7.9]	63.0	[54.3, 71.0]	20.2	[13.7, 28.9]	1.8	[0.6, 5.5]	100.0
Pearson: Uncorrected chi2(15) =	18.0063												
Design-based F(11.48, 8003.19) =	1.0195	Pr =	0.426										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=538)	2.3	[1.1, 4.8]	10.8	[7.8, 14.6]	3.2	[1.9, 5.2]	63.6	[58.3, 68.7]	19.2	[15.1, 24.1]	1.0	[0.3, 3.1]	100.0
No (n=171)	2.8	[1.0, 7.7]	5.4	[2.4, 11.7]	4.7	[1.9, 11.3]	62.7	[53.3, 71.2]	24.4	[17.6, 32.8]	0.0		100.0
Pearson: Uncorrected chi2(5) =	9.4347												
Design-based F(4.99, 3478.88) =	1.1015	Pr =	0.357										
<b>Total (n=709)</b>	2.4	[1.3, 4.4]	9.2	[6.8, 12.4]	3.6	[2.3, 5.7]	63.4	[58.8, 67.8]	20.7	[17.1, 24.8]	0.7	[0.2, 2.2]	100.0

## 5.12 Q: Getting regular check-ups is not very important when you are healthy.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Check-ups are not important if you are healthy				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	95%CI	Disagree	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=709)	0.9	[0.4, 1.9]	11.7	[9.0, 15.0]	4.0	[2.5, 6.4]	64.9	[60.2, 69.3]	18.5	[15.0, 22.7]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(0) =	.												
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=245)	0.9	[0.2, 3.5]	12.2	[8.3, 17.6]	3.8	[1.6, 8.5]	61.2	[53.1, 68.8]	21.9	[15.6, 29.8]	0.0		100.0
35-50 (n=209)	0.4	[0.1, 2.8]	11.9	[7.3, 18.9]	2.9	[1.4, 5.9]	70.2	[62.1, 77.2]	14.6	[9.6, 21.6]	0.0		100.0
51-64 (n=255)	1.4	[0.6, 3.6]	10.5	[6.3, 17.1]	5.6	[2.5, 12.1]	64.5	[56.8, 71.5]	17.7	[13.0, 23.6]	0.3	[0.0, 2.2]	100.0
Pearson: Uncorrected chi2(10) =	10.2998												
Design-based F(9.01, 6279.75) =	0.7616	Pr =	0.652										
<b>Gender</b>													
Male (n=297)	1.1	[0.4, 2.9]	15.3	[10.9, 21.2]	5.3	[2.7, 10.1]	59.6	[52.2, 66.6]	18.5	[13.3, 25.2]	0.2	[0.0, 1.2]	100.0
Female (n=412)	0.7	[0.2, 2.4]	8.0	[5.4, 11.7]	2.7	[1.5, 4.9]	70.1	[64.4, 75.3]	18.5	[14.2, 23.9]	0.0		100.0
Pearson: Uncorrected chi2(5) =	15.1777												
Design-based F(4.50, 3135.24) =	2.4582	Pr =	0.037										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=455)	1.1	[0.5, 2.7]	9.5	[6.9, 13.1]	4.5	[2.6, 7.9]	68.0	[62.4, 73.1]	16.7	[12.8, 21.5]	0.1	[0.0, 1.0]	100.0
Black, non-Hispanic (n=155)	0.7	[0.1, 4.5]	11.9	[6.8, 20.2]	3.7	[1.1, 11.3]	60.0	[49.6, 69.6]	23.7	[15.6, 34.4]	0.0		100.0
Hispanic (n=38)	1.2	[0.2, 8.3]	20.5	[8.7, 41.1]	2.8	[0.6, 11.3]	61.6	[42.5, 77.7]	13.9	[5.7, 29.9]	0.0		100.0
Other, non-Hispanic (n=52)	0.0		21.5	[9.9, 40.4]	2.5	[0.6, 10.4]	60.5	[43.5, 75.3]	15.5	[7.0, 30.9]	0.0		100.0
Pearson: Uncorrected chi2(15) =	16.8631												
Design-based F(12.76, 8775.65) =	0.8296	Pr =	0.627										
<b>FPL category</b>													
0-35% (n=217)	1.1	[0.4, 3.3]	10.9	[6.7, 17.1]	4.1	[1.9, 9.0]	60.7	[51.9, 68.8]	23.3	[16.4, 31.9]	0.0		100.0
36-99% (n=260)	0.2	[0.0, 1.7]	11.5	[7.4, 17.3]	4.3	[1.8, 9.8]	69.5	[62.5, 75.7]	14.5	[10.5, 19.7]	0.0		100.0
100%+ (n=232)	1.4	[0.4, 4.5]	13.1	[8.5, 19.7]	3.4	[1.5, 7.4]	65.7	[58.0, 72.6]	16.2	[11.4, 22.4]	0.3	[0.0, 2.2]	100.0
Pearson: Uncorrected chi2(10) =	11.7675												
Design-based F(8.36, 5826.22) =	0.9966	Pr =	0.438										
<b>Region</b>													
UP/NW/NE (n=124)	0.4	[0.1, 2.7]	10.6	[6.2, 17.5]	5.0	[2.1, 11.4]	65.9	[56.1, 74.5]	18.1	[11.6, 27.2]	0.0		100.0
W/E Central/E (n=203)	0.7	[0.2, 2.9]	13.8	[9.0, 20.7]	3.5	[1.7, 7.4]	66.4	[58.5, 73.5]	15.5	[10.6, 22.1]	0.0		100.0
S Central/SW/SE (n=169)	1.8	[0.5, 5.8]	10.3	[5.6, 18.2]	2.9	[1.1, 7.2]	65.2	[56.0, 73.4]	19.8	[13.8, 27.7]	0.0		100.0
Detroit Metro (n=213)	0.6	[0.1, 2.8]	11.1	[6.9, 17.3]	4.8	[2.0, 11.0]	63.3	[54.5, 71.3]	20.0	[13.5, 28.7]	0.2	[0.0, 1.5]	100.0
Pearson: Uncorrected chi2(15) =	6.8203												
Design-based F(11.30, 7875.14) =	0.4496	Pr =	0.937										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=538)	1.0	[0.4, 2.3]	11.1	[8.2, 15.0]	3.9	[2.3, 6.6]	66.3	[61.0, 71.3]	17.5	[13.6, 22.4]	0.1	[0.0, 0.8]	100.0
No (n=171)	0.6	[0.1, 4.3]	13.0	[7.9, 20.7]	4.2	[1.5, 11.3]	61.2	[51.5, 70.0]	21.0	[14.3, 29.7]	0.0		100.0
Pearson: Uncorrected chi2(5) =	2.4404												
Design-based F(4.42, 3082.24) =	0.3285	Pr =	0.876										
<b>Total (n=709)</b>	0.9	[0.4, 1.9]	11.7	[9.0, 15.0]	4.0	[2.5, 6.4]	64.9	[60.2, 69.3]	18.5	[15.0, 22.7]	0.1	[0.0, 0.6]	100.0

### 5.13 Q: Going to public or free clinics is just fine with me.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Neutral		Public/free clinic is fine with me Disagree		Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=709)	9.5	[7.1, 12.6]	59.0	[54.3, 63.5]	10.5	[8.0, 13.6]	17.8	[14.5, 21.8]	2.5	[1.5, 4.4]	0.6	[0.2, 1.6]	100.0
Pearson: Uncorrected chi2(0) =	.		.										
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=245)	9.2	[5.8, 14.2]	60.9	[52.9, 68.3]	13.2	[8.8, 19.5]	13.4	[8.6, 20.3]	2.9	[1.1, 7.3]	0.4	[0.1, 2.8]	100.0
35-50 (n=209)	8.4	[4.5, 14.9]	59.5	[51.4, 67.1]	8.5	[5.2, 13.7]	21.4	[15.5, 28.8]	1.7	[0.6, 5.2]	0.5	[0.1, 3.6]	100.0
51-64 (n=255)	11.4	[7.1, 17.7]	55.5	[47.8, 62.9]	8.5	[5.5, 13.0]	20.8	[15.0, 28.0]	2.9	[1.4, 6.0]	0.9	[0.2, 3.7]	100.0
Pearson: Uncorrected chi2(10) =	12.4491												
Design-based F(9.49, 6616.66) =	0.9012	Pr =	0.527										
<b>Gender</b>													
Male (n=297)	10.3	[6.8, 15.4]	62.5	[55.1, 69.3]	9.2	[5.7, 14.3]	15.3	[10.4, 21.9]	2.8	[1.2, 6.1]	0.0		100.0
Female (n=412)	8.7	[5.9, 12.7]	55.5	[49.7, 61.2]	11.9	[8.7, 16.0]	20.4	[16.2, 25.3]	2.3	[1.1, 5.0]	1.2	[0.4, 3.1]	100.0
Pearson: Uncorrected chi2(5) =	9.9782												
Design-based F(4.87, 3393.03) =	1.3369	Pr =	0.247										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=455)	9.1	[6.4, 12.8]	56.7	[50.9, 62.3]	13.2	[9.7, 17.7]	17.9	[14.0, 22.7]	2.5	[1.3, 5.0]	0.5	[0.1, 2.1]	100.0
Black, non-Hispanic (n=155)	9.7	[5.1, 17.8]	59.7	[49.6, 69.1]	6.9	[3.6, 12.8]	19.7	[12.3, 30.2]	4.0	[1.6, 9.8]	0.0		100.0
Hispanic (n=38)	13.8	[4.6, 34.5]	76.3	[57.4, 88.5]	4.3	[1.2, 13.7]	5.7	[1.7, 17.5]	0.0		0.0		100.0
Other, non-Hispanic (n=52)	8.3	[2.9, 21.5]	66.2	[50.2, 79.1]	6.2	[1.3, 25.5]	15.9	[8.5, 27.8]	0.0		3.4	[0.8, 12.7]	100.0
Pearson: Uncorrected chi2(15) =	28.2391												
Design-based F(13.53, 9308.77) =	1.2912	Pr =	0.206										
<b>FPL category</b>													
0-35% (n=217)	9.5	[5.7, 15.5]	58.5	[50.0, 66.6]	9.9	[5.9, 16.2]	18.4	[12.5, 26.3]	3.0	[1.1, 7.5]	0.7	[0.2, 2.7]	100.0
36-99% (n=260)	11.0	[7.0, 16.7]	61.9	[54.8, 68.6]	10.6	[7.2, 15.5]	14.6	[10.4, 20.3]	1.8	[0.8, 4.3]	0.0		100.0
100%+ (n=232)	7.8	[4.6, 12.8]	56.1	[48.3, 63.6]	11.3	[7.3, 17.0]	20.9	[15.3, 27.9]	2.8	[1.1, 6.8]	1.1	[0.3, 4.6]	100.0
Pearson: Uncorrected chi2(10) =	7.3888												
Design-based F(9.44, 6577.38) =	0.5499	Pr =	0.846										
<b>Region</b>													
UP/NW/NE (n=124)	8.3	[4.3, 15.2]	72.0	[62.6, 79.8]	3.7	[1.4, 9.3]	12.0	[7.0, 19.9]	4.0	[1.7, 9.1]	0.0		100.0
W/E Central/E (n=203)	5.3	[2.7, 10.1]	62.2	[54.3, 69.5]	15.0	[10.3, 21.4]	15.9	[10.9, 22.6]	0.9	[0.2, 4.1]	0.6	[0.1, 4.1]	100.0
S Central/SW/SE (n=169)	9.0	[5.3, 14.9]	58.7	[49.4, 67.4]	13.5	[8.1, 21.8]	14.8	[9.8, 21.7]	3.4	[1.5, 7.8]	0.6	[0.1, 4.0]	100.0
Detroit Metro (n=213)	13.2	[8.5, 20.0]	53.8	[45.3, 62.1]	7.0	[3.9, 12.4]	22.4	[15.9, 30.5]	2.9	[1.0, 7.9]	0.7	[0.2, 2.8]	100.0
Pearson: Uncorrected chi2(15) =	32.0937												
Design-based F(13.37, 9320.38) =	1.8322	Pr =	0.031										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=538)	8.8	[6.2, 12.4]	57.8	[52.5, 62.9]	8.7	[6.4, 11.8]	20.7	[16.4, 25.7]	3.2	[1.7, 5.7]	0.8	[0.3, 2.2]	100.0
No (n=171)	11.3	[6.7, 18.3]	62.1	[52.7, 70.6]	15.1	[9.4, 23.2]	10.6	[6.8, 16.2]	1.0	[0.2, 3.9]	0.0		100.0
Pearson: Uncorrected chi2(5) =	19.3499												
Design-based F(4.81, 3352.16) =	2.8872	Pr =	0.014										
<b>Total (n=709)</b>	9.5	[7.1, 12.6]	59.0	[54.3, 63.5]	10.5	[8.0, 13.6]	17.8	[14.5, 21.8]	2.5	[1.5, 4.4]	0.6	[0.2, 1.6]	100.0

## 5.14 Q: Sometimes I go to the ER because I know they can't turn me away.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Go to ER because they can't deny care				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	95%CI	Disagree	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=708)	3.7	[2.3, 5.9]	18.7	[15.5, 22.5]	7.8	[5.5, 10.8]	51.8	[47.1, 56.5]	16.6	[13.3, 20.4]	1.5	[0.7, 2.8]	100.0
Pearson: Uncorrected chi2(0) =	.		.										
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=245)	4.9	[2.5, 9.4]	16.2	[11.7, 21.9]	9.1	[5.6, 14.4]	46.3	[38.5, 54.4]	22.5	[16.3, 30.1]	0.9	[0.3, 3.0]	100.0
35-50 (n=208)	2.5	[0.9, 6.7]	21.5	[15.2, 29.5]	5.8	[2.6, 12.5]	56.0	[47.8, 63.9]	12.0	[8.1, 17.3]	2.3	[0.8, 6.5]	100.0
51-64 (n=255)	3.0	[1.2, 7.4]	19.6	[14.2, 26.5]	7.8	[4.2, 14.0]	55.7	[48.0, 63.1]	12.5	[8.6, 17.9]	1.3	[0.4, 4.5]	100.0
Pearson: Uncorrected chi2(10) =	21.5944												
Design-based F(9.60, 6678.47) =	1.5103	Pr =	0.132										
<b>Gender</b>													
Male (n=297)	4.8	[2.6, 8.8]	20.1	[15.1, 26.2]	10.0	[6.2, 15.7]	49.9	[42.6, 57.2]	13.8	[9.6, 19.5]	1.4	[0.5, 4.0]	100.0
Female (n=411)	2.5	[1.2, 5.2]	17.4	[13.4, 22.1]	5.5	[3.6, 8.3]	53.7	[47.9, 59.5]	19.3	[14.8, 24.9]	1.6	[0.7, 3.6]	100.0
Pearson: Uncorrected chi2(5) =	11.7334												
Design-based F(4.95, 3445.66) =	1.6049	Pr =	0.156										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=455)	2.1	[1.0, 4.4]	15.0	[11.7, 19.1]	7.8	[5.2, 11.4]	52.3	[46.5, 58.1]	21.1	[16.5, 26.6]	1.7	[0.7, 4.0]	100.0
Black, non-Hispanic (n=155)	6.1	[2.9, 12.5]	23.7	[16.3, 33.1]	8.3	[3.8, 17.1]	52.2	[42.4, 61.9]	9.3	[5.3, 16.0]	0.4	[0.1, 2.6]	100.0
Hispanic (n=37)	7.5	[1.4, 31.9]	19.2	[9.0, 36.3]	5.3	[1.2, 20.5]	51.2	[32.6, 69.5]	11.2	[2.0, 43.2]	5.6	[1.4, 20.2]	100.0
Other, non-Hispanic (n=52)	4.9	[1.4, 16.3]	29.2	[16.6, 46.2]	7.2	[1.7, 25.5]	48.6	[33.0, 64.5]	9.3	[3.9, 20.4]	0.8	[0.1, 5.4]	100.0
Pearson: Uncorrected chi2(15) =	37.2545												
Design-based F(12.74, 8750.38) =	1.6208	Pr =	0.073										
<b>FPL category</b>													
0-35% (n=217)	4.3	[2.1, 8.8]	19.4	[13.6, 26.8]	8.6	[4.7, 15.1]	50.3	[41.8, 58.8]	15.9	[10.5, 23.4]	1.5	[0.4, 5.2]	100.0
36-99% (n=259)	3.6	[1.6, 7.7]	19.2	[14.3, 25.2]	8.9	[5.5, 14.1]	52.9	[45.8, 59.8]	14.6	[10.6, 19.9]	0.9	[0.2, 3.1]	100.0
100%+ (n=232)	2.8	[1.0, 7.4]	17.2	[12.4, 23.4]	5.1	[2.7, 9.4]	52.7	[44.9, 60.5]	20.0	[13.9, 28.0]	2.1	[0.9, 5.0]	100.0
Pearson: Uncorrected chi2(10) =	6.7366												
Design-based F(9.44, 6571.44) =	0.4772	Pr =	0.898										
<b>Region</b>													
UP/NW/NE (n=124)	1.4	[0.2, 9.5]	13.8	[8.3, 21.9]	4.2	[1.9, 8.9]	53.7	[43.8, 63.4]	22.5	[15.2, 32.1]	4.4	[1.7, 10.8]	100.0
W/E Central/E (n=202)	2.3	[0.8, 6.6]	19.8	[14.5, 26.5]	8.4	[5.0, 13.9]	49.7	[41.8, 57.6]	17.9	[12.1, 25.6]	1.8	[0.5, 6.9]	100.0
S Central/SW/SE (n=169)	3.4	[1.4, 8.2]	16.8	[11.0, 24.9]	12.8	[7.5, 21.1]	48.2	[38.9, 57.7]	17.1	[11.8, 24.3]	1.6	[0.4, 5.6]	100.0
Detroit Metro (n=213)	5.4	[2.7, 10.3]	20.2	[14.4, 27.5]	5.1	[2.2, 11.6]	55.0	[46.5, 63.3]	13.9	[8.6, 21.6]	0.4	[0.1, 2.9]	100.0
Pearson: Uncorrected chi2(15) =	24.7861												
Design-based F(13.02, 9065.24) =	1.2647	Pr =	0.226										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=538)	4.6	[2.8, 7.6]	18.8	[15.1, 23.2]	6.2	[4.0, 9.7]	53.7	[48.4, 58.9]	15.3	[11.9, 19.4]	1.3	[0.5, 3.3]	100.0
No (n=170)	1.2	[0.4, 3.9]	18.5	[12.5, 26.5]	11.6	[6.8, 19.1]	47.1	[37.6, 56.7]	19.8	[12.9, 29.1]	1.8	[0.8, 4.4]	100.0
Pearson: Uncorrected chi2(5) =	13.1585												
Design-based F(4.66, 3240.78) =	1.7892	Pr =	0.117										
<b>Total (n=708)</b>	3.7	[2.3, 5.9]	18.7	[15.5, 22.5]	7.8	[5.5, 10.8]	51.8	[47.1, 56.5]	16.6	[13.3, 20.4]	1.5	[0.7, 2.8]	100.0

Note: Total count is less than universe count due to item non-response.

## 5.15 Q: Sometimes I go to the ER because I don't have another place to get care.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Go to ER because it's the only place to get care				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	95%CI	Disagree	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=708)	5.8	[4.0, 8.2]	27.8	[24.0, 32.0]	5.9	[4.0, 8.5]	46.7	[42.1, 51.4]	12.8	[9.9, 16.4]	1.1	[0.5, 2.5]	100.0
Pearson: Uncorrected chi2(0) =	.		.										
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=245)	7.8	[4.6, 13.0]	26.0	[20.1, 32.9]	7.1	[4.1, 12.3]	44.1	[36.3, 52.3]	14.9	[10.0, 21.7]	0.0		100.0
35-50 (n=208)	4.7	[2.5, 8.7]	34.6	[27.2, 42.8]	3.6	[1.7, 7.4]	44.4	[36.7, 52.4]	10.7	[6.4, 17.6]	2.0	[0.6, 6.4]	100.0
51-64 (n=255)	3.8	[1.9, 7.5]	23.0	[17.8, 29.3]	6.4	[3.3, 12.2]	53.3	[45.8, 60.8]	11.7	[7.9, 16.9]	1.8	[0.6, 5.1]	100.0
Pearson: Uncorrected chi2(10) =	22.4572												
Design-based F(9.55, 6646.79) =	1.6346	Pr =	0.094										
<b>Gender</b>													
Male (n=297)	6.8	[4.2, 10.8]	29.9	[23.9, 36.7]	7.3	[4.2, 12.3]	44.3	[37.1, 51.7]	10.3	[6.6, 15.7]	1.4	[0.5, 4.0]	100.0
Female (n=411)	4.8	[2.7, 8.3]	25.7	[21.1, 30.8]	4.5	[2.8, 7.0]	49.1	[43.3, 54.9]	15.2	[11.2, 20.4]	0.8	[0.2, 2.7]	100.0
Pearson: Uncorrected chi2(5) =	9.7357												
Design-based F(4.93, 3428.13) =	1.3210	Pr =	0.253										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=455)	5.2	[3.2, 8.2]	26.0	[21.5, 31.1]	6.8	[4.3, 10.5]	45.5	[39.7, 51.4]	14.8	[11.0, 19.7]	1.6	[0.7, 4.0]	100.0
Black, non-Hispanic (n=155)	5.9	[3.0, 11.1]	29.0	[21.3, 38.3]	4.7	[1.9, 11.1]	50.7	[40.9, 60.4]	9.8	[4.9, 18.6]	0.0		100.0
Hispanic (n=37)	16.1	[4.7, 42.7]	19.3	[9.2, 36.2]	4.9	[1.0, 20.7]	57.4	[37.8, 74.9]	2.3	[0.6, 9.1]	0.0		100.0
Other, non-Hispanic (n=52)	3.5	[1.1, 10.9]	42.4	[27.1, 59.4]	4.7	[1.1, 17.4]	37.7	[23.6, 54.2]	10.2	[4.4, 21.8]	1.5	[0.2, 9.9]	100.0
Pearson: Uncorrected chi2(15) =	27.8754												
Design-based F(13.17, 9049.67) =	1.3211	Pr =	0.191										
<b>FPL category</b>													
0-35% (n=217)	6.3	[3.3, 11.7]	27.0	[20.4, 34.8]	5.5	[2.7, 10.7]	48.5	[40.0, 57.0]	10.9	[6.4, 18.0]	1.8	[0.6, 5.4]	100.0
36-99% (n=259)	6.2	[3.9, 9.7]	29.1	[23.1, 35.9]	8.2	[4.8, 13.7]	45.2	[38.3, 52.3]	11.2	[7.7, 16.0]	0.2	[0.0, 1.3]	100.0
100%+ (n=232)	4.5	[2.1, 9.3]	27.5	[21.3, 34.6]	3.7	[1.8, 7.3]	45.8	[38.2, 53.6]	17.5	[11.8, 25.2]	1.0	[0.3, 3.4]	100.0
Pearson: Uncorrected chi2(10) =	12.8058												
Design-based F(8.93, 6211.93) =	0.9769	Pr =	0.456										
<b>Region</b>													
UP/NW/NE (n=124)	3.6	[1.2, 10.0]	28.2	[20.3, 37.6]	4.3	[1.9, 9.7]	44.0	[34.6, 54.0]	16.9	[10.6, 25.8]	3.0	[0.9, 9.6]	100.0
W/E Central/E (n=202)	5.0	[2.5, 9.7]	26.0	[19.9, 33.2]	6.4	[3.4, 11.7]	50.8	[42.8, 58.7]	10.7	[6.2, 17.8]	1.2	[0.2, 7.8]	100.0
S Central/SW/SE (n=169)	7.7	[4.5, 12.8]	27.2	[19.4, 36.6]	5.4	[2.8, 10.2]	42.3	[33.2, 52.0]	15.9	[10.7, 22.8]	1.6	[0.4, 5.5]	100.0
Detroit Metro (n=213)	5.7	[2.8, 11.2]	29.4	[22.8, 37.1]	6.1	[3.0, 12.0]	46.9	[38.6, 55.4]	11.6	[6.8, 19.0]	0.3	[0.0, 2.2]	100.0
Pearson: Uncorrected chi2(15) =	11.3877												
Design-based F(12.99, 9043.14) =	0.5971	Pr =	0.859										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=538)	5.6	[3.7, 8.3]	27.9	[23.6, 32.6]	4.6	[2.9, 7.3]	48.0	[42.8, 53.3]	12.6	[9.3, 16.8]	1.4	[0.6, 3.3]	100.0
No (n=170)	6.2	[2.9, 12.8]	27.6	[20.1, 36.7]	9.1	[4.9, 16.3]	43.4	[34.0, 53.3]	13.3	[8.2, 20.9]	0.3	[0.0, 2.1]	100.0
Pearson: Uncorrected chi2(5) =	7.4678												
Design-based F(4.63, 3225.07) =	0.9816	Pr =	0.424										
<b>Total (n=708)</b>	5.8	[4.0, 8.2]	27.8	[24.0, 32.0]	5.9	[4.0, 8.5]	46.7	[42.1, 51.4]	12.8	[9.9, 16.4]	1.1	[0.5, 2.5]	100.0

Note: Total count is less than universe count due to item non-response.

## 5.16 Q: In the past 12 months, did you check how much you would pay for a doctor's visit, medication, or other health care service before you received care?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Checked cost before receiving care in past 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	23.7	[21.5, 26.1]	75.0	[72.6, 77.3]	1.3	[0.7, 2.1]	100.0
No longer enrolled (n=709)	37.4	[33.0, 42.0]	62.2	[57.6, 66.6]	0.4	[0.1, 1.6]	100.0
Pearson: Uncorrected chi2(2) =	54.5470						
Design-based F(2.00, 6157.75) =	17.2247	Pr =	0.000				
<b>Age</b>							
19-34 (n=909)	31.9	[28.1, 35.9]	66.9	[62.8, 70.7]	1.2	[0.5, 3.2]	100.0
35-50 (n=969)	24.0	[20.8, 27.5]	75.5	[72.0, 78.7]	0.6	[0.2, 1.3]	100.0
51-64 (n=1,218)	23.8	[21.0, 26.9]	74.8	[71.7, 77.6]	1.4	[0.8, 2.5]	100.0
Pearson: Uncorrected chi2(4) =	27.9785						
Design-based F(3.66, 11291.29) =	4.2308	Pr =	0.003				
<b>Gender</b>							
Male (n=1,229)	22.9	[20.0, 26.1]	75.6	[72.4, 78.6]	1.4	[0.7, 2.9]	100.0
Female (n=1,867)	30.4	[27.8, 33.2]	68.8	[66.0, 71.5]	0.7	[0.4, 1.3]	100.0
Pearson: Uncorrected chi2(2) =	24.4400						
Design-based F(2.00, 6164.98) =	7.0487	Pr =	0.001				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,058)	28.1	[25.6, 30.7]	70.9	[68.2, 73.4]	1.1	[0.5, 2.2]	100.0
Black, non-Hispanic (n=634)	25.4	[21.2, 30.2]	73.5	[68.7, 77.8]	1.1	[0.5, 2.3]	100.0
Hispanic (n=138)	22.8	[16.2, 31.2]	76.1	[67.6, 82.9]	1.1	[0.2, 5.0]	100.0
Other, non-Hispanic (n=227)	26.2	[19.8, 33.7]	72.8	[65.2, 79.2]	1.1	[0.3, 3.7]	100.0
Pearson: Uncorrected chi2(6) =	3.5059						
Design-based F(5.67, 17270.29) =	0.3824	Pr =	0.882				
<b>FPL category</b>							
0-35% (n=1,218)	24.9	[22.0, 28.2]	73.6	[70.3, 76.6]	1.5	[0.8, 2.8]	100.0
36-99% (n=1,084)	29.5	[26.1, 33.1]	69.9	[66.3, 73.3]	0.7	[0.3, 1.4]	100.0
100%+ (n=794)	28.5	[25.0, 32.4]	71.0	[67.2, 74.6]	0.4	[0.1, 1.8]	100.0
Pearson: Uncorrected chi2(4) =	12.8325						
Design-based F(3.86, 11910.99) =	2.3210	Pr =	0.057				
<b>Region</b>							
UP/NW/NE (n=574)	28.0	[24.0, 32.4]	71.5	[67.1, 75.5]	0.5	[0.1, 2.1]	100.0
W/E Central/E (n=979)	28.3	[25.1, 31.7]	70.6	[67.2, 73.9]	1.1	[0.6, 2.0]	100.0
S Central/SW/SE (n=633)	25.6	[21.7, 30.0]	73.9	[69.6, 77.8]	0.4	[0.2, 1.2]	100.0
Detroit Metro (n=910)	26.3	[22.8, 30.1]	72.3	[68.4, 75.9]	1.4	[0.7, 3.1]	100.0
Pearson: Uncorrected chi2(6) =	6.4545						
Design-based F(5.11, 15757.51) =	0.8894	Pr =	0.489				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,468)	27.4	[25.1, 29.8]	71.7	[69.3, 74.0]	0.9	[0.6, 1.5]	100.0
No (n=628)	25.3	[21.3, 29.9]	73.2	[68.5, 77.4]	1.5	[0.5, 4.6]	100.0
Pearson: Uncorrected chi2(2) =	2.7810						
Design-based F(1.89, 5817.35) =	0.5895	Pr =	0.545				
<b>Total (n=3,096)</b>	<b>26.9</b>	<b>[24.9, 29.0]</b>	<b>72.0</b>	<b>[69.9, 74.1]</b>	<b>1.1</b>	<b>[0.6, 1.7]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 5.16.1 Q: What type of health care was this for?

*Follow-up group(s):* Still enrolled, No longer enrolled

*Universe:* Respondents who checked cost before receiving care in the past 12 months (n = 824)

Type of health care costs checked	Weighted Proportion	95%CI
Primary care (n=377)	46.0	[41.6, 50.4]
Prescription medication (n=240)	29.6	[25.6, 34.0]
Other (n=148)	17.5	[14.4, 21.0]
Surgery or procedure (n=74)	8.8	[6.3, 12.2]
Lab/imaging test (n=79)	8.7	[6.6, 11.3]
Specialty care (n=60)	5.5	[4.1, 7.4]
Mental health care (n=15)	3.2	[1.6, 6.5]
Support services (n=12)	1.2	[0.6, 2.4]

**Note:** Respondents were able to provide multiple responses

## 5.17 Q: In the past 12 months, did you compare quality ratings for any health care services at different places?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Compared quality ratings in past 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,387)	13.6	[11.9, 15.4]	85.7	[83.8, 87.4]	0.8	[0.4, 1.3]	100.0
No longer enrolled (n=708)	18.9	[15.5, 22.8]	80.8	[76.9, 84.2]	0.3	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(2) =	14.1055						
Design-based F(1.96, 6051.11) =	4.9173	Pr =	0.008				
<b>Age</b>							
19-34 (n=908)	18.4	[15.5, 21.7]	81.5	[78.2, 84.4]	0.1	[0.0, 0.8]	100.0
35-50 (n=969)	14.2	[11.7, 17.2]	84.5	[81.4, 87.2]	1.2	[0.6, 2.4]	100.0
51-64 (n=1,218)	10.7	[8.8, 12.9]	88.6	[86.3, 90.6]	0.7	[0.3, 1.7]	100.0
Pearson: Uncorrected chi2(4) =	34.1701						
Design-based F(3.89, 11999.50) =	6.0300	Pr =	0.000				
<b>Gender</b>							
Male (n=1,230)	11.8	[9.7, 14.4]	87.6	[85.0, 89.8]	0.6	[0.2, 1.4]	100.0
Female (n=1,865)	17.4	[15.3, 19.7]	81.9	[79.5, 84.0]	0.7	[0.4, 1.3]	100.0
Pearson: Uncorrected chi2(2) =	19.4321						
Design-based F(1.99, 6124.04) =	5.9296	Pr =	0.003				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,057)	15.2	[13.3, 17.3]	84.4	[82.2, 86.3]	0.5	[0.2, 1.0]	100.0
Black, non-Hispanic (n=634)	12.8	[10.0, 16.2]	86.0	[82.4, 88.9]	1.3	[0.6, 2.7]	100.0
Hispanic (n=138)	15.3	[9.5, 23.6]	83.7	[75.4, 89.6]	1.0	[0.3, 3.3]	100.0
Other, non-Hispanic (n=227)	16.6	[11.2, 23.9]	83.4	[76.1, 88.8]	0.0		100.0
Pearson: Uncorrected chi2(6) =	11.0862						
Design-based F(5.49, 16708.04) =	1.2730	Pr =	0.269				
<b>FPL category</b>							
0-35% (n=1,217)	14.2	[11.9, 16.8]	84.9	[82.2, 87.3]	0.9	[0.5, 1.8]	100.0
36-99% (n=1,084)	14.8	[12.6, 17.4]	84.8	[82.2, 87.0]	0.4	[0.2, 1.1]	100.0
100%+ (n=794)	16.4	[13.3, 20.0]	83.3	[79.7, 86.4]	0.3	[0.1, 0.8]	100.0
Pearson: Uncorrected chi2(4) =	5.0737						
Design-based F(3.56, 10969.73) =	1.1463	Pr =	0.331				
<b>Region</b>							
UP/NW/NE (n=574)	11.4	[8.8, 14.6]	88.3	[85.0, 90.9]	0.3	[0.0, 2.1]	100.0
W/E Central/E (n=980)	14.6	[12.1, 17.4]	84.7	[81.8, 87.2]	0.7	[0.3, 1.5]	100.0
S Central/SW/SE (n=633)	13.3	[10.6, 16.5]	86.4	[83.2, 89.1]	0.3	[0.1, 1.4]	100.0
Detroit Metro (n=908)	16.3	[13.6, 19.5]	82.9	[79.6, 85.7]	0.8	[0.4, 1.8]	100.0
Pearson: Uncorrected chi2(6) =	8.5864						
Design-based F(5.47, 16868.25) =	1.2609	Pr =	0.275				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,468)	14.6	[12.9, 16.5]	84.6	[82.7, 86.4]	0.8	[0.5, 1.4]	100.0
No (n=627)	15.4	[12.3, 19.2]	84.4	[80.6, 87.6]	0.2	[0.0, 1.3]	100.0
Pearson: Uncorrected chi2(2) =	3.4728						
Design-based F(1.97, 6070.97) =	1.1501	Pr =	0.316				
<b>Total (n=3,095)</b>	<b>14.8</b>	<b>[13.3, 16.5]</b>	<b>84.6</b>	<b>[82.9, 86.1]</b>	<b>0.7</b>	<b>[0.4, 1.1]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 5.17.1 Q: What type of health care was this for?

*Follow-up group(s):* Still enrolled, No longer enrolled

*Universe:* Respondents who compared quality ratings for health care services at different places in the past 12 months (n = 442)

Type of health care quality compared	Weighted Proportion	95%CI
Primary care (n=209)	49.4	[43.5, 55.2]
Other (n=92)	22.4	[17.6, 28.0]
Specialty care (n=69)	15.4	[11.8, 19.8]
Surgery or procedure (n=49)	8.8	[6.3, 12.2]
Prescription medication (n=37)	7.7	[5.3, 11.2]
Lab/imaging test (n=23)	6.5	[4.0, 10.2]
Mental health care (n=13)	3.5	[1.8, 6.8]
Support services (n=8)	1.6	[0.7, 3.6]

**Note:** Respondents were able to provide multiple responses

## 5.18 Q: In the past 12 months, did you ask a health care provider to recommend a less costly prescription drug?

Follow-up group(s): Still enrolled, No longer enrolled

Universe: All respondents

	Asked for less costly prescription in past 12 months						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
Still enrolled (n=2,388)	22.2	[20.3, 24.2]	77.5	[75.5, 79.3]	0.3	[0.2, 0.6]	100.0
No longer enrolled (n=709)	30.3	[26.3, 34.7]	69.3	[65.0, 73.4]	0.3	[0.1, 1.2]	100.0
Pearson: Uncorrected chi2(2) =	19.8782						
Design-based F(1.94, 5969.70) =	7.8796		Pr =	0.000			
<b>Age</b>							
19-34 (n=909)	19.3	[16.5, 22.4]	80.6	[77.5, 83.4]	0.1	[0.0, 0.5]	100.0
35-50 (n=969)	26.6	[23.4, 30.0]	72.6	[69.2, 75.8]	0.8	[0.4, 1.5]	100.0
51-64 (n=1,219)	27.4	[24.6, 30.5]	72.4	[69.4, 75.3]	0.1	[0.0, 0.6]	100.0
Pearson: Uncorrected chi2(4) =	33.3335						
Design-based F(3.65, 11275.36) =	7.5543		Pr =	0.000			
<b>Gender</b>							
Male (n=1,230)	17.4	[15.0, 20.0]	82.3	[79.6, 84.6]	0.4	[0.1, 0.9]	100.0
Female (n=1,867)	30.1	[27.6, 32.6]	69.6	[67.1, 72.1]	0.3	[0.1, 0.6]	100.0
Pearson: Uncorrected chi2(2) =	68.1219						
Design-based F(1.88, 5810.22) =	28.3052		Pr =	0.000			
<b>Race/ethnicity</b>							
White, non-Hispanic (n=2,058)	26.9	[24.6, 29.2]	72.8	[70.5, 75.1]	0.3	[0.1, 0.7]	100.0
Black, non-Hispanic (n=634)	18.2	[15.0, 22.0]	81.4	[77.6, 84.7]	0.4	[0.1, 1.1]	100.0
Hispanic (n=138)	24.7	[17.3, 33.9]	74.5	[65.3, 82.0]	0.8	[0.2, 3.3]	100.0
Other, non-Hispanic (n=228)	23.4	[17.7, 30.2]	76.5	[69.6, 82.2]	0.2	[0.0, 1.2]	100.0
Pearson: Uncorrected chi2(6) =	24.4846						
Design-based F(5.21, 15868.91) =	3.6047		Pr =	0.003			
<b>FPL category</b>							
0-35% (n=1,218)	22.2	[19.6, 25.0]	77.5	[74.7, 80.1]	0.3	[0.1, 0.7]	100.0
36-99% (n=1,084)	24.9	[22.1, 28.0]	74.6	[71.5, 77.4]	0.5	[0.2, 1.3]	100.0
100%+ (n=795)	28.0	[24.5, 31.8]	71.8	[68.0, 75.3]	0.2	[0.1, 0.6]	100.0
Pearson: Uncorrected chi2(4) =	9.9320						
Design-based F(3.61, 11126.12) =	2.5124		Pr =	0.046			
<b>Region</b>							
UP/NW/NE (n=574)	28.0	[24.1, 32.2]	71.9	[67.6, 75.7]	0.2	[0.0, 1.1]	100.0
W/E Central/E (n=980)	26.9	[23.9, 30.2]	72.4	[69.2, 75.5]	0.6	[0.3, 1.4]	100.0
S Central/SW/SE (n=633)	27.9	[24.1, 32.2]	71.9	[67.6, 75.8]	0.2	[0.0, 1.3]	100.0
Detroit Metro (n=910)	19.7	[16.9, 22.8]	80.1	[77.0, 82.9]	0.2	[0.1, 0.7]	100.0
Pearson: Uncorrected chi2(6) =	29.3227						
Design-based F(5.28, 16289.14) =	4.8870		Pr =	0.000			
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=2,469)	26.2	[24.2, 28.3]	73.4	[71.3, 75.5]	0.4	[0.2, 0.7]	100.0
No (n=628)	17.2	[14.0, 21.0]	82.6	[78.8, 85.8]	0.2	[0.0, 0.8]	100.0
Pearson: Uncorrected chi2(2) =	25.1677						
Design-based F(1.77, 5461.51) =	10.8848		Pr =	0.000			
<b>Total (n=3,097)</b>	<b>24.1</b>	<b>[22.4, 25.9]</b>	<b>75.6</b>	<b>[73.7, 77.3]</b>	<b>0.3</b>	<b>[0.2, 0.6]</b>	<b>100.0</b>

- 6 Aim 6: To understand why enrollees lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.**

## 6.1 Insurance status since HMP ended

Follow-up group(s): No longer enrolled

Universe: All respondents

	Insurance status since HMP ended								Total Row%
	Insured all months		Insured some months		Uninsured all months		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>									
No longer enrolled (n=709)	54.0	[49.4, 58.7]	16.1	[13.1, 19.7]	27.7	[23.6, 32.2]	2.2	[1.0, 4.5]	100.0
Pearson: Uncorrected chi2(0) =	.								
Design-based F(., .) =	.		Pr =	.					
<b>Age</b>									
19-34 (n=245)	48.9	[41.1, 56.9]	17.1	[12.2, 23.4]	33.0	[26.0, 40.9]	1.0	[0.4, 2.6]	100.0
35-50 (n=209)	51.3	[43.3, 59.3]	17.2	[11.7, 24.4]	28.4	[21.8, 36.1]	3.1	[0.8, 11.3]	100.0
51-64 (n=255)	65.1	[57.3, 72.2]	13.4	[9.3, 19.0]	18.4	[12.6, 26.2]	3.0	[1.1, 8.3]	100.0
Pearson: Uncorrected chi2(6) =	19.8516								
Design-based F(5.50, 3832.72) =	2.0985		Pr =	0.056					
<b>Gender</b>									
Male (n=297)	51.5	[44.2, 58.7]	14.9	[10.6, 20.6]	31.3	[24.9, 38.4]	2.3	[0.7, 7.0]	100.0
Female (n=412)	56.6	[50.7, 62.3]	17.3	[13.3, 22.3]	24.0	[19.1, 29.7]	2.1	[0.8, 4.9]	100.0
Pearson: Uncorrected chi2(3) =	4.8834								
Design-based F(2.94, 2051.77) =	0.9172		Pr =	0.430					
<b>Race/ethnicity</b>									
White, non-Hispanic (n=455)	54.6	[48.7, 60.3]	14.2	[11.0, 18.1]	29.7	[24.3, 35.6]	1.6	[0.6, 4.1]	100.0
Black, non-Hispanic (n=155)	56.0	[46.1, 65.5]	14.9	[9.4, 22.9]	24.8	[17.4, 34.0]	4.3	[1.4, 12.5]	100.0
Hispanic (n=38)	43.0	[26.1, 61.7]	31.1	[15.2, 53.2]	25.9	[13.7, 43.6]	0.0		100.0
Other, non-Hispanic (n=52)	47.1	[31.8, 63.0]	26.0	[12.9, 45.6]	25.6	[14.2, 41.8]	1.3	[0.2, 8.5]	100.0
Pearson: Uncorrected chi2(9) =	18.4673								
Design-based F(8.23, 5659.65) =	1.2587		Pr =	0.259					
<b>FPL category</b>									
0-35% (n=217)	52.9	[44.4, 61.3]	15.7	[10.6, 22.7]	28.3	[21.0, 37.0]	3.0	[1.1, 8.4]	100.0
36-99% (n=260)	57.1	[49.9, 63.9]	14.9	[10.4, 20.7]	25.5	[19.9, 32.1]	2.6	[0.9, 7.3]	100.0
100%+ (n=232)	52.1	[44.3, 59.8]	18.3	[13.2, 24.8]	29.3	[22.6, 37.1]	0.3	[0.0, 2.2]	100.0
Pearson: Uncorrected chi2(6) =	6.1811								
Design-based F(5.38, 3750.27) =	0.7078		Pr =	0.628					
<b>Region</b>									
UP/NW/NE (n=124)	62.6	[52.7, 71.5]	10.7	[6.0, 18.2]	24.5	[17.2, 33.7]	2.2	[0.7, 7.1]	100.0
W/E Central/E (n=203)	60.2	[52.1, 67.7]	10.4	[6.9, 15.5]	27.5	[20.7, 35.5]	1.9	[0.5, 7.7]	100.0
S Central/SW/SE (n=169)	49.1	[39.7, 58.5]	21.6	[15.1, 29.9]	26.8	[19.6, 35.6]	2.4	[0.8, 7.0]	100.0
Detroit Metro (n=213)	50.5	[42.1, 58.9]	18.3	[12.7, 25.7]	29.0	[21.6, 37.6]	2.2	[0.5, 8.7]	100.0
Pearson: Uncorrected chi2(9) =	13.4103								
Design-based F(7.44, 5184.20) =	1.0742		Pr =	0.378					
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=538)	57.5	[52.3, 62.6]	13.9	[10.8, 17.6]	26.1	[21.7, 31.1]	2.5	[1.1, 5.6]	100.0
No (n=171)	45.2	[36.0, 54.8]	21.9	[14.9, 30.8]	31.5	[23.1, 41.4]	1.4	[0.3, 5.6]	100.0
Pearson: Uncorrected chi2(3) =	12.0738								
Design-based F(2.99, 2083.98) =	2.3247		Pr =	0.073					
<b>Total (n=709)</b>	54.0	[49.4, 58.7]	16.1	[13.1, 19.7]	27.7	[23.6, 32.2]	2.2	[1.0, 4.5]	100.0

## 6.2 Q: Was it your choice to end your Healthy Michigan Plan enrollment?

Follow-up group(s): No longer enrolled

Universe: All respondents

	Chose to end HMP						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=708)	28.3	[24.2, 32.9]	68.2	[63.6, 72.5]	3.5	[2.0, 5.8]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=244)	29.6	[22.6, 37.8]	67.7	[59.6, 74.9]	2.7	[1.0, 6.7]	100.0
35-50 (n=209)	28.0	[21.2, 35.9]	66.8	[58.5, 74.1]	5.3	[2.2, 11.9]	100.0
51-64 (n=255)	26.7	[20.3, 34.2]	70.7	[63.1, 77.3]	2.6	[1.3, 5.4]	100.0
Pearson: Uncorrected chi2(4) =	3.6454						
Design-based F(3.74, 2603.02) =	0.5832	Pr =	0.663				
<b>Gender</b>							
Male (n=296)	31.0	[24.4, 38.6]	65.9	[58.3, 72.7]	3.1	[1.3, 7.3]	100.0
Female (n=412)	25.6	[21.1, 30.8]	70.6	[65.2, 75.5]	3.8	[2.0, 7.1]	100.0
Pearson: Uncorrected chi2(2) =	2.6398						
Design-based F(1.99, 1383.65) =	0.7497	Pr =	0.472				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=455)	26.8	[21.9, 32.3]	70.3	[64.7, 75.4]	2.9	[1.5, 5.6]	100.0
Black, non-Hispanic (n=155)	29.1	[20.4, 39.7]	67.4	[56.7, 76.5]	3.5	[0.9, 12.7]	100.0
Hispanic (n=38)	23.2	[12.2, 39.8]	68.9	[51.3, 82.3]	7.9	[2.6, 21.5]	100.0
Other, non-Hispanic (n=52)	35.7	[21.0, 53.7]	59.4	[42.3, 74.5]	4.9	[1.5, 14.4]	100.0
Pearson: Uncorrected chi2(6) =	5.6998						
Design-based F(5.27, 3623.89) =	0.5805	Pr =	0.724				
<b>FPL category</b>							
0-35% (n=216)	33.9	[26.0, 42.7]	60.8	[52.0, 69.0]	5.3	[2.5, 11.0]	100.0
36-99% (n=260)	24.1	[18.6, 30.7]	74.2	[67.6, 79.9]	1.6	[0.7, 4.0]	100.0
100%+ (n=232)	25.0	[19.1, 31.9]	72.2	[65.1, 78.4]	2.8	[1.2, 6.4]	100.0
Pearson: Uncorrected chi2(4) =	14.6285						
Design-based F(3.74, 2602.74) =	2.7595	Pr =	0.030				
<b>Region</b>							
UP/NW/NE (n=123)	18.2	[12.1, 26.5]	78.5	[70.0, 85.1]	3.3	[1.3, 8.0]	100.0
W/E Central/E (n=203)	30.3	[23.6, 37.8]	67.3	[59.6, 74.1]	2.5	[1.0, 5.9]	100.0
S Central/SW/SE (n=169)	33.7	[24.9, 43.9]	63.5	[53.5, 72.4]	2.8	[1.1, 7.0]	100.0
Detroit Metro (n=213)	26.0	[19.0, 34.4]	69.4	[60.8, 76.9]	4.6	[1.9, 10.7]	100.0
Pearson: Uncorrected chi2(6) =	8.2109						
Design-based F(5.03, 3498.46) =	1.1027	Pr =	0.357				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=538)	27.5	[22.9, 32.6]	69.1	[63.8, 73.8]	3.4	[1.8, 6.3]	100.0
No (n=170)	30.4	[22.0, 40.3]	66.1	[56.2, 74.8]	3.5	[1.3, 9.4]	100.0
Pearson: Uncorrected chi2(2) =	0.5929						
Design-based F(2.00, 1391.64) =	0.1545	Pr =	0.857				
<b>Total (n=708)</b>	28.3	[24.2, 32.9]	68.2	[63.6, 72.5]	3.5	[2.0, 5.8]	100.0

Note: Total count is less than universe count due to item non-response.

### 6.2.1 Q: Why did you decide to end your Healthy Michigan Plan enrollment? Was it...

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who chose to end HMP enrollment (n = 187)

Why did you decide to end your HMP enrollment?	Weighted Proportion	95%CI
<b>Because you got other insurance coverage?</b>		
Yes (n=143)	77.1	[68.9, 83.7]
No (n=28)	14.1	[9.3, 20.8]
Don't know (n=1)	0.4	[0.1, 2.7]
Refused (n=15)	8.4	[4.5, 15.2]
<b>Because you were not satisfied with the Healthy Michigan Plan?</b>		
Yes (n=11)	6.2	[3.3, 11.3]
No (n=119)	92.8	[87.2, 96.0]
Don't know (n=1)	1.0	[0.1, 7.0]
<b>Because of some other reason?</b>		
Yes (n=55)	28.3	[21.3, 36.6]
No (n=115)	67.8	[58.8, 75.6]
Don't know (n=5)	3.9	[1.3, 11.4]

#### 6.2.1.1 Q: What were you dissatisfied with?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who chose to end HMP enrollment because they were not satisfied with HMP (n = 11)

HMP dissatisfaction	Weighted Proportion	95%CI
Difficulty/inability finding a provider (n=1)	8.0	[8.0, 8.0]
Needed a service that wasn't covered (n=3)	22.6	[22.6, 22.6]
HMP too expensive (n=2)	31.2	[31.2, 31.2]
Other (n=4)	29.5	[29.5, 29.5]
Don't know (n=1)	8.7	[8.7, 8.7]

**Note:** Respondents were able to provide multiple responses

## 6.2.2 Q: Why did your Healthy Michigan Plan insurance end?

Follow-up group(s): No longer enrolled

Universe: Respondents who did not choose to end HMP enrollment (n = 499)

Why did your HMP insurance end?	Weighted Proportion	95%CI
No longer eligible: income increase (n=138)	25.0	[20.9, 29.5]
No longer eligible: got other coverage (n=127)	22.2	[18.2, 26.7]
Don't know (n=80)	16.1	[12.4, 20.6]
No longer eligible: non-specific (n=37)	9.0	[6.2, 12.9]
Admin problem: disenrolled/declared ineligible but don't know why (n=30)	8.0	[5.2, 12.1]
Knew you needed to re-apply for HMP, but didn't complete re-application (n=25)	6.0	[3.8, 9.3]
Didn't know HMP ended (n=18)	4.0	[2.4, 6.6]
Re-enrollment materials submitted; DHHS said never received/incomplete (n=12)	2.5	[1.2, 5.0]
Other (n=8)	2.3	[0.9, 5.9]
No longer eligible: moved out of state (n=8)	1.8	[0.8, 4.2]
Didn't get application materials/didn't know I needed to re-apply (n=7)	1.6	[0.7, 3.7]
Admin problem: eligibility/administrative error by DHHS (n=4)	1.3	[0.5, 3.5]
Admin problem: problem with information being requested (n=5)	0.8	[0.3, 2.1]
Admin problem: cancelled by the state (n=2)	0.6	[0.1, 2.8]
Admin problem: case worker difficulties (n=1)	0.5	[0.1, 3.2]
Difficulty completing re-enrollment materials (n=2)	0.3	[0.1, 1.7]
Disenrolled because of unmade payments (n=2)	0.3	[0.1, 1.3]
HMP too expensive (n=1)	0.2	[0.0, 1.5]

Note: Respondents were able to provide multiple responses

### 6.3 Q: Are you currently covered by any kind of health insurance or health care plan?

Follow-up group(s): No longer enrolled

Universe: All respondents

	Insurance status						Total Row%
	Insured		Uninsured		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=708)	68.4	[63.7, 72.6]	30.0	[25.8, 34.5]	1.7	[0.7, 4.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=245)	63.4	[55.5, 70.7]	35.2	[28.1, 43.1]	1.4	[0.4, 4.3]	100.0
35-50 (n=208)	67.0	[58.8, 74.2]	30.5	[23.7, 38.3]	2.5	[0.5, 11.4]	100.0
51-64 (n=255)	77.7	[69.6, 84.1]	21.0	[14.9, 28.9]	1.3	[0.2, 8.6]	100.0
Pearson: Uncorrected chi2(4) =	12.7755						
Design-based F(3.72, 2585.72) =	1.5966	Pr =	0.177				
<b>Gender</b>							
Male (n=297)	64.6	[57.3, 71.2]	33.8	[27.3, 40.9]	1.7	[0.4, 7.0]	100.0
Female (n=411)	72.2	[66.3, 77.3]	26.1	[21.1, 31.9]	1.7	[0.6, 5.1]	100.0
Pearson: Uncorrected chi2(2) =	4.9385						
Design-based F(1.89, 1317.65) =	1.1563	Pr =	0.313				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=454)	67.0	[61.0, 72.5]	31.3	[25.9, 37.2]	1.7	[0.6, 4.6]	100.0
Black, non-Hispanic (n=155)	69.6	[59.8, 77.9]	28.2	[20.4, 37.5]	2.2	[0.3, 14.2]	100.0
Hispanic (n=38)	68.1	[49.8, 82.2]	31.9	[17.8, 50.2]	0.0		100.0
Other, non-Hispanic (n=52)	71.7	[55.6, 83.7]	27.1	[15.3, 43.2]	1.3	[0.2, 8.5]	100.0
Pearson: Uncorrected chi2(6) =	1.9179						
Design-based F(4.61, 3164.84) =	0.1729	Pr =	0.966				
<b>FPL category</b>							
0-35% (n=217)	67.7	[58.9, 75.4]	30.7	[23.2, 39.3]	1.6	[0.3, 9.1]	100.0
36-99% (n=260)	70.3	[63.5, 76.4]	28.0	[22.1, 34.7]	1.7	[0.4, 6.2]	100.0
100%+ (n=231)	66.9	[59.0, 73.9]	31.3	[24.5, 39.0]	1.8	[0.4, 7.3]	100.0
Pearson: Uncorrected chi2(4) =	0.6939						
Design-based F(3.58, 2492.97) =	0.0874	Pr =	0.980				
<b>Region</b>							
UP/NW/NE (n=124)	74.7	[65.5, 82.2]	24.5	[17.2, 33.7]	0.8	[0.1, 5.4]	100.0
W/E Central/E (n=202)	68.6	[60.4, 75.7]	29.9	[22.9, 37.9]	1.6	[0.3, 7.3]	100.0
S Central/SW/SE (n=169)	67.7	[58.7, 75.5]	31.1	[23.4, 40.1]	1.2	[0.3, 4.8]	100.0
Detroit Metro (n=213)	67.1	[58.4, 74.8]	30.6	[23.1, 39.2]	2.3	[0.5, 9.4]	100.0
Pearson: Uncorrected chi2(6) =	2.4510						
Design-based F(4.81, 3347.45) =	0.2885	Pr =	0.914				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=537)	69.8	[64.6, 74.5]	28.4	[23.9, 33.5]	1.8	[0.6, 5.3]	100.0
No (n=171)	64.8	[54.9, 73.5]	33.8	[25.2, 43.6]	1.4	[0.3, 6.6]	100.0
Pearson: Uncorrected chi2(2) =	2.0473						
Design-based F(1.99, 1386.39) =	0.5215	Pr =	0.593				
<b>Total (n=708)</b>	<b>68.4</b>	<b>[63.7, 72.6]</b>	<b>30.0</b>	<b>[25.8, 34.5]</b>	<b>1.7</b>	<b>[0.7, 4.2]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 6.3.1 Q: Did you have health insurance at any time since your Healthy Michigan Plan insurance ended?

Follow-up group(s): No longer enrolled

Universe: Respondents who are not currently covered by any kind of health insurance (n = 202)

	Any health insurance since HMP coverage ended						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=200)	9.1	[5.6, 14.5]	87.3	[80.2, 92.1]	3.5	[1.0, 11.6]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=89)	8.7	[4.2, 17.0]	90.2	[81.9, 94.9]	1.1	[0.3, 4.6]	100.0
35-50 (n=64)	8.2	[3.6, 17.9]	85.8	[68.8, 94.3]	5.9	[0.8, 31.7]	100.0
51-64 (n=47)	11.8	[4.2, 28.9]	82.4	[62.4, 93.0]	5.8	[0.8, 31.4]	100.0
Pearson: Uncorrected chi2(4) =	3.7861						
Design-based F(3.23, 608.02) =	0.6418	Pr =	0.600				
<b>Gender</b>							
Male (n=99)	7.9	[3.9, 15.5]	88.3	[77.1, 94.4]	3.8	[0.6, 19.5]	100.0
Female (n=101)	10.7	[5.5, 19.6]	86.1	[75.9, 92.4]	3.2	[0.7, 14.3]	100.0
Pearson: Uncorrected chi2(2) =	0.4727						
Design-based F(1.76, 330.94) =	0.1307	Pr =	0.852				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=123)	8.0	[4.1, 14.8]	89.9	[81.8, 94.6]	2.2	[0.4, 10.8]	100.0
Black, non-Hispanic (n=46)	11.3	[4.6, 25.1]	81.4	[60.9, 92.5]	7.4	[1.0, 37.8]	100.0
Hispanic (n=13)	18.7	[4.3, 53.8]	81.3	[46.2, 95.7]	0.0		100.0
Other, non-Hispanic (n=16)	5.1	[0.7, 29.8]	90.5	[68.0, 97.7]	4.4	[0.6, 26.8]	100.0
Pearson: Uncorrected chi2(6) =	5.2707						
Design-based F(4.47, 831.78) =	0.6068	Pr =	0.676				
<b>FPL category</b>							
0-35% (n=55)	7.3	[2.7, 18.0]	87.6	[72.3, 95.1]	5.1	[0.8, 25.3]	100.0
36-99% (n=75)	9.3	[4.2, 19.3]	86.0	[73.6, 93.1]	4.7	[1.0, 19.9]	100.0
100%+ (n=70)	11.7	[5.6, 23.0]	88.3	[77.0, 94.4]	0.0		100.0
Pearson: Uncorrected chi2(4) =	3.4902						
Design-based F(3.23, 607.72) =	0.4778	Pr =	0.712				
<b>Region</b>							
UP/NW/NE (n=32)	0.0		96.9	[80.5, 99.6]	3.1	[0.4, 19.5]	100.0
W/E Central/E (n=56)	9.8	[4.3, 20.7]	86.4	[72.7, 93.8]	3.8	[0.5, 22.8]	100.0
S Central/SW/SE (n=49)	14.6	[7.0, 27.8]	84.0	[70.9, 91.9]	1.4	[0.2, 9.6]	100.0
Detroit Metro (n=63)	7.2	[2.7, 18.0]	88.1	[72.4, 95.5]	4.7	[0.6, 27.3]	100.0
Pearson: Uncorrected chi2(6) =	4.2812						
Design-based F(4.23, 794.55) =	0.5852	Pr =	0.683				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=140)	8.5	[4.8, 14.7]	86.3	[77.0, 92.2]	5.2	[1.5, 16.3]	100.0
No (n=60)	10.5	[4.4, 23.1]	89.5	[76.9, 95.6]	0.0		100.0
Pearson: Uncorrected chi2(2) =	3.5002						
Design-based F(1.78, 334.77) =	0.9292	Pr =	0.386				
<b>Total (n=200)</b>	<b>9.1</b>	<b>[5.6, 14.5]</b>	<b>87.3</b>	<b>[80.2, 92.1]</b>	<b>3.5</b>	<b>[1.0, 11.6]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 6.3.1.1 Q: What type of health insurance did you have?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are not currently covered by any kind of health insurance but had some type of insurance since their HMP coverage ended (n = 21)

Type of health insurance	Weighted Proportion	95%CI
Insurance provided through a job or union (n=12)	61.5	[61.5, 61.5]
Insurance purchased by me or someone else (n=2)	6.3	[6.3, 6.3]
Medicaid/MiChild/other state program (n=6)	32.2	[32.2, 32.2]

**Note:** Respondents were able to provide multiple responses.

Total count is less than universe count due to item non-response.

All respondents with insurance through a job or union indicated that this was their own job.

### 6.3.2 Q: Why did that insurance coverage end?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are not currently covered by any kind of health insurance but had some type of insurance since their HMP coverage ended (n = 21)

Why insurance coverage ended	Weighted Proportion	95%CI
Lost/changed job (n=9)	47.6	[47.6, 47.6]
Change in job status (n=4)	19.0	[19.0, 19.0]
Income change (n=1)	7.7	[7.7, 7.7]
Disenrolled because of unmade payments (n=1)	3.4	[3.4, 3.4]
Marketplace/individual plan too expensive (n=1)	2.9	[2.9, 2.9]
Other (n=3)	12.6	[12.6, 12.6]
Don't know (n=1)	6.8	[6.8, 6.8]

**Note:** Total count is less than universe count due to item non-response.

### 6.3.3 Q: Since your Healthy Michigan Plan insurance ended, for how many months were you uninsured?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are not currently covered by any kind of health insurance but had some type of insurance since their HMP coverage ended (n = 21)

Length of time uninsured	Weighted Proportion	95%CI
Three months or less (n=10)	48.5	[48.5, 48.5]
Four months o six months (n=6)	28.2	[28.2, 28.2]
Seven to eleven months (n=1)	6.3	[6.3, 6.3]
More than twelve months (n=1)	3.4	[3.4, 3.4]
Other (n=1)	3.9	[3.9, 3.9]
Don't know (n=1)	9.7	[9.7, 9.7]

**Note:** Total count is less than universe count due to item non-response.

**6.3.4 Q: What are the main reasons you currently do not have health insurance?**

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are not currently covered by any kind of health insurance but had some type of insurance since their HMP coverage ended (n = 21)

Main reasons for no health insurance	Weighted Proportion	95%CI
Other (n=6)	28.8	[28.8, 28.8]
Just didn't get around to it (n=3)	19.0	[19.0, 19.0]
Have a job but does not offer insurance (n=2)	15.5	[15.5, 15.5]
Had problems with applying/re-applying for Medicaid (n=2)	13.4	[13.4, 13.4]
Have a job but waiting for open enrollment period/waiting to enroll (n=2)	9.1	[9.1, 9.1]
Too expensive: non-specific (n=2)	7.9	[7.9, 7.9]
Marketplace/individual plan too expensive (n=1)	6.8	[6.8, 6.8]
Hoping to get a job with insurance benefits (n=1)	4.6	[4.6, 4.6]
HMP too expensive (n=1)	2.7	[2.7, 2.7]

**Note:** Respondents were able to provide multiple responses

**6.3.5 Q: Do you think you will get health insurance within the next 6 months?**

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are not currently covered by any kind of health insurance but had some type of insurance since their HMP coverage endedP (n =21)

Insurance in the next 6 months?	Weighted Proportion	95%CI
Yes (n=17)	96.1	[96.1, 96.1]
Unsure (n=1)	3.9	[3.9, 3.9]

**Note:** Total count is less than universe count due to item non-response.

**6.3.5.1 Q: What type of health insurance?**

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are not currently covered by any kind of health insurance but had some type of insurance since their HMP coverage ended and think they will get health insurance within the next 6 months (n = 17)

Type of health insurance within next 6 months	Weighted Proportion	95%CI
Medicaid (n=8)	44.6	[44.6, 44.6]
Employer insurance (n=5)	28.6	[28.6, 28.6]
Don't know (n=3)	19.8	[19.8, 19.8]
Insurance purchased by me or someone else (n=1)	7.0	[7.0, 7.0]

### 6.3.6 Q: What type of health insurance do you have?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by some kind of health insurance (n = 508)

Type of insurance	Weighted Proportion	95%CI
Medicaid (n=237)	44.6	[39.3, 50.0]
Insurance through a job or union (n=137)	31.7	[26.5, 37.5]
Medicare (n=104)	15.8	[12.5, 19.8]
Insurance purchased by me or someone else (n=46)	8.4	[5.9, 12.0]
Other (n=17)	3.0	[1.7, 5.2]
Veterans Administration or VA care (n=3)	1.4	[0.4, 4.8]
County health plan (n=3)	0.8	[0.3, 2.4]
Don't know (n=3)	0.7	[0.2, 2.2]
CHAMPUS or TRICARE (n=1)	0.2	[0.0, 1.3]

**Note:** Respondents were able to provide multiple responses

#### 6.3.6.1 Q: Whose job is it?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by insurance through a job or a union (n = 137)

Whose job is it?	Weighted Proportion	95%CI
Respondent (n=109)	81.9	[73.6, 88.0]
Family Member (n=27)	18.1	[12.0, 26.4]

**Note:** Total count is less than universe count due to item non-response.

### 6.3.6.2 Q: Who purchased it?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by insurance that was purchased (n = 46)

Who purchased it?	Weighted Proportion	95%CI
Respondent (n=38)	92.0	[92.0, 92.0]
Family Member (n=6)	8.0	[8.0, 8.0]

**Note:** Total count is less than universe count due to item non-response.

### 6.3.6.3 Q: Was this insurance purchased through the marketplace known as healthcare.gov?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by insurance that was purchased (n = 46)

Was it purchased on the marketplace?	Weighted Proportion	95%CI
Yes (n=32)	69.8	[69.8, 69.8]
No (n=11)	25.2	[25.2, 25.2]
Don't know (n=3)	5.0	[5.0, 5.0]

### 6.3.6.4 Q: Did [you/they] receive a subsidy?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by insurance that was purchased through the marketplace (n = 32)

Received a subsidy?	Weighted Proportion	95%CI
Yes (n=18)	52.3	[52.3, 52.3]
No (n=8)	39.5	[39.5, 39.5]
Don't know (n=2)	8.2	[8.2, 8.2]

**Note:** Total count is less than universe count due to item non-response.

**6.3.7 Q: Was there any time since your Healthy Michigan Plan insurance ended that you didn't have any health insurance?**

Follow-up group(s): No longer enrolled

Universe: Respondents who are currently covered by some kind of health insurance (n = 508)

	Uninsured for a period of time since HMP coverage ended						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=507)	19.4	[15.4, 24.2]	79.4	[74.5, 83.5]	1.2	[0.5, 2.9]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=155)	22.0	[15.1, 31.1]	77.6	[68.6, 84.6]	0.4	[0.1, 2.5]	100.0
35-50 (n=144)	21.7	[14.3, 31.5]	77.1	[67.2, 84.7]	1.2	[0.2, 8.2]	100.0
51-64 (n=208)	13.9	[9.4, 20.1]	83.8	[77.4, 88.7]	2.2	[0.7, 6.6]	100.0
Pearson: Uncorrected chi2(4) =	6.7302						
Design-based F(3.67, 1817.67) =	1.2623	Pr =	0.284				
<b>Gender</b>							
Male (n=198)	18.7	[12.7, 26.7]	79.8	[71.8, 86.0]	1.5	[0.4, 4.9]	100.0
Female (n=309)	20.0	[15.0, 26.2]	79.0	[72.8, 84.1]	1.0	[0.3, 3.6]	100.0
Pearson: Uncorrected chi2(2) =	0.3569						
Design-based F(1.96, 967.84) =	0.1211	Pr =	0.882				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=331)	17.3	[13.2, 22.4]	81.7	[76.4, 85.9]	1.0	[0.3, 4.0]	100.0
Black, non-Hispanic (n=108)	16.6	[9.6, 27.2]	81.1	[70.5, 88.6]	2.2	[0.7, 7.2]	100.0
Hispanic (n=25)	36.9	[16.3, 63.8]	63.1	[36.2, 83.7]	0.0		100.0
Other, non-Hispanic (n=36)	34.3	[17.0, 57.1]	65.7	[42.9, 83.0]	0.0		100.0
Pearson: Uncorrected chi2(6) =	14.7278						
Design-based F(5.51, 2690.82) =	1.4453	Pr =	0.199				
<b>FPL category</b>							
0-35% (n=162)	19.7	[12.9, 29.1]	78.2	[68.9, 85.3]	2.1	[0.8, 5.4]	100.0
36-99% (n=184)	17.3	[11.7, 24.9]	81.6	[73.9, 87.4]	1.1	[0.2, 7.3]	100.0
100%+ (n=161)	21.7	[15.0, 30.2]	78.3	[69.8, 85.0]	0.0		100.0
Pearson: Uncorrected chi2(4) =	3.7629						
Design-based F(3.80, 1878.99) =	0.6346	Pr =	0.630				
<b>Region</b>							
UP/NW/NE (n=92)	14.3	[8.1, 24.0]	83.7	[73.9, 90.4]	1.9	[0.4, 8.6]	100.0
W/E Central/E (n=147)	10.7	[6.5, 17.1]	88.3	[81.6, 92.7]	1.0	[0.1, 7.0]	100.0
S Central/SW/SE (n=119)	25.1	[16.5, 36.2]	72.5	[61.2, 81.5]	2.4	[0.5, 9.8]	100.0
Detroit Metro (n=149)	23.9	[16.2, 33.7]	75.7	[65.9, 83.4]	0.4	[0.1, 3.1]	100.0
Pearson: Uncorrected chi2(6) =	15.4609						
Design-based F(5.34, 2642.91) =	2.2181	Pr =	0.046				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=397)	16.2	[12.3, 21.1]	82.7	[77.7, 86.7]	1.1	[0.4, 3.0]	100.0
No (n=110)	28.2	[18.7, 40.3]	70.4	[58.3, 80.2]	1.4	[0.2, 9.1]	100.0
Pearson: Uncorrected chi2(2) =	9.3456						
Design-based F(1.99, 985.80) =	2.7252	Pr =	0.066				
<b>Total (n=507)</b>	19.4	[15.4, 24.2]	79.4	[74.5, 83.5]	1.2	[0.5, 2.9]	100.0

Note: Total count is less than universe count due to item non-response.

### 6.3.7.1 Q: How long were you uninsured?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by some kind of health insurance but were uninsured for a period of time since their HMP coverage ended (n = 92)

Length of time uninsured	Weighted Proportion	95%CI
Three months or less (n=58)	61.1	[47.5, 73.2]
Four months to six months (n=20)	21.0	[12.4, 33.2]
Seven months to eleven months (n=11)	16.5	[8.1, 30.5]
More than twelve months (n=1)	1.4	[0.2, 9.8]

**Note:** Total count is less than universe count due to item non-response.

### 6.3.7.2 Q: What were the main reasons you were without health insurance for that time?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by some kind of health insurance but were uninsured for a period of time since their HMP coverage ended (n = 92)

Main reasons without health insurance for some time	Weighted Proportion	95%CI
Have a job but waiting for open enrollment period/ waiting to enroll (n=24)	28.8	[18.2, 42.3]
Other (n=21)	23.4	[13.7, 37.0]
Just didn't get around to it (n=8)	13.4	[6.2, 26.6]
Had problems with applying/re-applying for Medicaid (n=10)	9.9	[4.0, 22.4]
Too expensive: non-specific (n=9)	9.6	[4.6, 18.9]
Marketplace/individual plan too expensive (n=9)	7.9	[3.8, 15.6]
Didn't know HMP ended (n=3)	2.8	[0.7, 10.1]
Have a job but job does not offer insurance (n=2)	2.6	[0.6, 10.6]
Had problems with applying/re-applying for private insurance (n=1)	2.4	[0.3, 15.8]
No longer eligible for other insurance- change in job status (n=3)	2.0	[0.6, 6.3]
Have a job but insurance is too expensive (n=2)	2.0	[0.4, 9.3]
Don't need health insurance (n=1)	1.4	[0.2, 9.4]
Admin problems: case worker difficulties (n=2)	1.3	[0.3, 5.3]
Still considering insurance options (n=1)	0.4	[0.1, 3.2]
Admin problems: Eligibility/administrative error by DHHS (n=1)	0.4	[0.1, 2.9]
Don't know (n=1)	0.3	[0.0, 2.1]

**Note:** Respondents were able to provide multiple responses

### 6.3.8 Q: Is your current health insurance plan in your name or someone else's?

Follow-up group(s): No longer enrolled

Universe: Respondents who are currently covered by some kind of health insurance (n = 508)

	My name		Name on insurance plan Someone else's name		Total Row%
	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>					
No longer enrolled (n=507)	91.2	[88.0, 93.6]	8.8	[6.4, 12.0]	100.0
Pearson: Uncorrected chi2(0) =	.				
Design-based F(., .) =	.	Pr =	.		
<b>Age</b>					
19-34 (n=155)	89.5	[83.5, 93.5]	10.5	[6.5, 16.5]	100.0
35-50 (n=144)	90.8	[83.1, 95.2]	9.2	[4.8, 16.9]	100.0
51-64 (n=208)	93.8	[89.3, 96.6]	6.2	[3.4, 10.7]	100.0
Pearson: Uncorrected chi2(2) =	2.1131				
Design-based F(1.93, 952.89) =	0.8492	Pr =	0.424		
<b>Gender</b>					
Male (n=198)	92.6	[87.9, 95.5]	7.4	[4.5, 12.1]	100.0
Female (n=309)	90.0	[85.1, 93.5]	10.0	[6.5, 14.9]	100.0
Pearson: Uncorrected chi2(1) =	1.0095				
Design-based F(1.00, 495.00) =	0.7894	Pr =	0.375		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=331)	87.3	[82.2, 91.1]	12.7	[8.9, 17.8]	100.0
Black, non-Hispanic (n=108)	96.9	[91.5, 98.9]	3.1	[1.1, 8.5]	100.0
Hispanic (n=25)	98.4	[89.1, 99.8]	1.6	[0.2, 10.9]	100.0
Other, non-Hispanic (n=36)	95.8	[84.1, 99.0]	4.2	[1.0, 15.9]	100.0
Pearson: Uncorrected chi2(3) =	14.2721				
Design-based F(2.66, 1297.50) =	5.2383	Pr =	0.002		
<b>FPL category</b>					
0-35% (n=162)	97.1	[92.8, 98.9]	2.9	[1.1, 7.2]	100.0
36-99% (n=184)	89.5	[82.9, 93.8]	10.5	[6.2, 17.1]	100.0
100%+ (n=161)	84.3	[76.1, 90.0]	15.7	[10.0, 23.9]	100.0
Pearson: Uncorrected chi2(2) =	17.5655				
Design-based F(2.00, 987.86) =	6.6528	Pr =	0.001		
<b>Region</b>					
UP/NW/NE (n=92)	87.7	[78.1, 93.5]	12.3	[6.5, 21.9]	100.0
W/E Central/E (n=147)	88.7	[81.1, 93.5]	11.3	[6.5, 18.9]	100.0
S Central/SW/SE (n=119)	91.8	[83.1, 96.2]	8.2	[3.8, 16.9]	100.0
Detroit Metro (n=149)	93.7	[88.8, 96.6]	6.3	[3.4, 11.2]	100.0
Pearson: Uncorrected chi2(3) =	3.5682				
Design-based F(2.82, 1395.00) =	1.0156	Pr =	0.382		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=397)	91.6	[87.7, 94.3]	8.4	[5.7, 12.3]	100.0
No (n=110)	90.4	[83.4, 94.6]	9.6	[5.4, 16.6]	100.0
Pearson: Uncorrected chi2(1) =	0.1785				
Design-based F(1.00, 495.00) =	0.1425	Pr =	0.706		
<b>Total (n=507)</b>	91.2	[88.0, 93.6]	8.8	[6.4, 12.0]	100.0

Note: Total count is less than universe count due to item non-response.

### 6.3.8.1 Q: What is your relationship to that person?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by some kind of health insurance that is in someone else's name (n = 45)

Relationship to that person	Weighted Proportion	95%CI
Spouse (n=37)	85.3	[85.3, 85.3]
Other family member (n=5)	14.7	[14.7, 14.7]

**Note:** Total count is less than universe count due to item non-response.

### 6.3.9 Q: How much are the health insurance premiums?

Follow-up group(s): No longer enrolled

Universe: Respondents who are currently covered by some kind of health insurance (n = 508)

	Cost of health insurance premiums										Total Row%
	\$0		\$1-\$99		\$100-\$199		\$200+		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>											
No longer enrolled (n=504)	43.7	[38.3, 49.2]	26.0	[21.2, 31.5]	15.3	[11.4, 20.0]	5.3	[3.4, 8.1]	9.7	[7.1, 13.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.		.		.		.		
Design-based F(., .) =	.	Pr =	.		.		.		.		
<b>Age</b>											
19-34 (n=155)	38.0	[29.1, 47.9]	31.2	[22.5, 41.5]	14.0	[7.5, 24.6]	4.8	[2.1, 10.4]	12.0	[7.5, 18.7]	100.0
35-50 (n=142)	46.1	[36.7, 55.8]	26.2	[18.0, 36.5]	13.0	[7.8, 21.0]	5.0	[2.1, 11.5]	9.7	[5.1, 17.7]	100.0
51-64 (n=207)	48.6	[40.5, 56.8]	19.2	[13.6, 26.5]	19.0	[13.6, 25.8]	6.3	[3.5, 10.9]	6.9	[4.0, 11.7]	100.0
Pearson: Uncorrected chi2(8) =	12.2172										
Design-based F(7.43, 3654.05) =	1.0160	Pr =	0.419								
<b>Gender</b>											
Male (n=197)	36.7	[28.9, 45.3]	31.2	[23.0, 40.7]	17.9	[11.4, 27.0]	4.6	[2.4, 8.5]	9.7	[5.8, 15.6]	100.0
Female (n=307)	50.0	[43.3, 56.6]	21.4	[16.7, 27.0]	12.9	[9.4, 17.3]	5.9	[3.3, 10.4]	9.8	[6.6, 14.4]	100.0
Pearson: Uncorrected chi2(4) =	12.2064										
Design-based F(3.96, 1947.21) =	2.0610	Pr =	0.084								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=330)	42.3	[35.9, 49.1]	26.7	[20.6, 34.0]	15.0	[11.0, 20.1]	6.5	[4.0, 10.5]	9.4	[6.3, 13.7]	100.0
Black, non-Hispanic (n=106)	46.3	[34.8, 58.2]	24.4	[15.7, 35.8]	15.7	[7.3, 30.6]	3.2	[0.8, 11.8]	10.4	[5.2, 19.7]	100.0
Hispanic (n=25)	53.5	[30.4, 75.2]	17.0	[5.0, 44.3]	14.9	[5.1, 36.6]	4.2	[1.0, 16.3]	10.4	[3.5, 27.0]	100.0
Other, non-Hispanic (n=36)	33.6	[17.9, 54.0]	36.7	[19.8, 57.7]	13.3	[5.4, 29.3]	4.9	[1.2, 18.0]	11.4	[4.0, 28.8]	100.0
Pearson: Uncorrected chi2(12) =	7.2341										
Design-based F(10.70, 5189.16) =	0.3828	Pr =	0.961								
<b>FPL category</b>											
0-35% (n=160)	46.5	[36.7, 56.5]	23.0	[14.9, 33.6]	16.0	[9.1, 26.6]	4.5	[1.9, 10.1]	10.1	[5.8, 17.0]	100.0
36-99% (n=183)	42.3	[34.2, 50.8]	28.1	[21.0, 36.5]	15.7	[10.6, 22.8]	5.5	[2.7, 10.9]	8.4	[4.8, 14.2]	100.0
100%+ (n=161)	41.1	[32.3, 50.6]	28.2	[19.9, 38.2]	13.5	[9.0, 19.8]	6.3	[3.3, 11.8]	10.9	[6.5, 17.6]	100.0
Pearson: Uncorrected chi2(8) =	3.2752										
Design-based F(7.39, 3634.15) =	0.2785	Pr =	0.967								
<b>Region</b>											
UP/NW/NE (n=92)	41.8	[31.1, 53.4]	19.1	[11.9, 29.2]	20.0	[12.6, 30.2]	4.1	[1.5, 10.9]	15.0	[8.3, 25.7]	100.0
W/E Central/E (n=145)	41.3	[32.6, 50.6]	28.5	[20.2, 38.5]	11.4	[7.0, 18.1]	3.7	[1.4, 9.3]	15.1	[9.4, 23.4]	100.0
S Central/SW/SE (n=118)	48.6	[36.9, 60.4]	25.2	[14.6, 39.8]	14.3	[7.7, 24.9]	6.0	[2.4, 14.3]	6.0	[2.9, 12.0]	100.0
Detroit Metro (n=149)	43.0	[33.6, 53.0]	26.6	[19.0, 35.7]	17.4	[10.4, 27.8]	6.4	[3.3, 11.7]	6.7	[3.2, 13.4]	100.0
Pearson: Uncorrected chi2(12) =	15.5383										
Design-based F(10.31, 5071.21) =	0.9798	Pr =	0.460								
<b>Chronic condition (2016/2017 survey or DW)</b>											
Yes (n=395)	43.3	[37.4, 49.4]	24.3	[19.2, 30.2]	16.6	[12.1, 22.3]	5.2	[3.1, 8.7]	10.6	[7.5, 14.9]	100.0
No (n=109)	44.7	[33.5, 56.4]	30.9	[20.4, 43.8]	11.6	[5.7, 22.1]	5.5	[2.7, 11.2]	7.3	[3.6, 14.4]	100.0
Pearson: Uncorrected chi2(4) =	4.4229										
Design-based F(3.77, 1853.30) =	0.6749	Pr =	0.601								
<b>Total (n=504)</b>	43.7	[38.3, 49.2]	26.0	[21.2, 31.5]	15.3	[11.4, 20.0]	5.3	[3.4, 8.1]	9.7	[7.1, 13.2]	100.0

**Note:** As noted in the next table, while many respondents reported paying premiums monthly, some respondents said they pay premiums at different time intervals (weekly, biweekly, quarterly). This means that the amounts in this table do not necessarily reflect monthly premium ranges, and in some cases may underestimate the premium amount that respondents pay monthly.

### 6.3.9.1 Q: How often are the health insurance premiums paid?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by some kind of health insurance (n = 508)

Health insurance premiums payment frequency	Weighted Proportion	95%CI
Every week (n=20)	6.0	[3.2, 10.9]
Every 2 weeks (n=42)	8.5	[6.1, 11.7]
Once a month (n=160)	30.4	[25.5, 35.9]
Quarterly (n=8)	1.5	[0.7, 3.2]
Twice a year (n=1)	0.1	[0.0, 1.0]
Once a year (n=3)	1.3	[0.4, 4.4]
N/A- \$0 (n=222)	43.5	[38.2, 49.0]
Other (n=1)	0.1	[0.0, 0.5]
Don't know (n=47)	8.4	[6.1, 11.5]

### 6.3.10 Q: Would you say the amount per month is...?

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by some kind of health insurance and do not know how much their health insurance premiums cost (n = 53)

Amount per month	Weighted Proportion
\$0 (n=2)	4.4
\$1-99 (n=6)	12.6
\$100-199 (n=7)	8.1
Don't know (n=38)	74.9

### 6.3.11 Q: Who is covered under your current health insurance plan?

Follow-up group(s): No longer enrolled

Universe: Respondents who are currently covered by a private health insurance plan that is in their name (n = 146)

	Who is covered under health insurance plan				Total Row%
	Just me Row%	95%CI	Me and at least one other family member Row%	95%CI	
<b>Follow-up group</b>					
No longer enrolled (n=144)	81.2	[69.8, 89.0]	18.8	[11.0, 30.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.		
Design-based F(., .) =	.	Pr =	.		
<b>Age</b>					
19-34 (n=65)	82.7	[62.2, 93.3]	17.3	[6.7, 37.8]	100.0
35-50 (n=43)	73.3	[57.1, 84.9]	26.7	[15.1, 42.9]	100.0
51-64 (n=36)	89.3	[76.8, 95.5]	10.7	[4.5, 23.2]	100.0
Pearson: Uncorrected chi2(2) =	2.8166				
Design-based F(1.62, 213.24) =	1.0955	Pr =	0.326		
<b>Gender</b>					
Male (n=61)	80.9	[61.1, 92.0]	19.1	[8.0, 38.9]	100.0
Female (n=83)	81.6	[71.4, 88.7]	18.4	[11.3, 28.6]	100.0
Pearson: Uncorrected chi2(1) =	0.0103				
Design-based F(1.00, 132.00) =	0.0058	Pr =	0.939		
<b>Race/ethnicity</b>					
White, non-Hispanic (n=96)	82.2	[72.3, 89.1]	17.8	[10.9, 27.7]	100.0
Black, non-Hispanic (n=26)	74.8	[39.4, 93.1]	25.2	[6.9, 60.6]	100.0
Hispanic (n=8)	94.9	[68.3, 99.4]	5.1	[0.6, 31.7]	100.0
Other, non-Hispanic (n=12)	87.7	[59.7, 97.2]	12.3	[2.8, 40.3]	100.0
Pearson: Uncorrected chi2(3) =	2.5916				
Design-based F(2.00, 260.50) =	0.5543	Pr =	0.576		
<b>FPL category</b>					
0-35% (n=43)	82.1	[52.8, 94.9]	17.9	[5.1, 47.2]	100.0
36-99% (n=52)	81.9	[68.8, 90.3]	18.1	[9.7, 31.2]	100.0
100%+ (n=49)	79.1	[63.8, 89.0]	20.9	[11.0, 36.2]	100.0
Pearson: Uncorrected chi2(2) =	0.1624				
Design-based F(1.58, 208.32) =	0.0411	Pr =	0.929		
<b>Region</b>					
UP/NW/NE (n=20)	76.3	[50.3, 91.1]	23.7	[8.9, 49.7]	100.0
W/E Central/E (n=43)	84.8	[69.3, 93.3]	15.2	[6.7, 30.7]	100.0
S Central/SW/SE (n=37)	88.8	[76.1, 95.2]	11.2	[4.8, 23.9]	100.0
Detroit Metro (n=44)	74.5	[49.9, 89.6]	25.5	[10.4, 50.1]	100.0
Pearson: Uncorrected chi2(3) =	3.5663				
Design-based F(2.38, 313.86) =	0.9869	Pr =	0.385		
<b>Chronic condition (2016/2017 survey or DW)</b>					
Yes (n=99)	78.8	[62.5, 89.2]	21.2	[10.8, 37.5]	100.0
No (n=45)	85.7	[72.3, 93.2]	14.3	[6.8, 27.7]	100.0
Pearson: Uncorrected chi2(1) =	1.0315				
Design-based F(1.00, 132.00) =	0.6803	Pr =	0.411		
<b>Total (n=144)</b>	<b>81.2</b>	<b>[69.8, 89.0]</b>	<b>18.8</b>	<b>[11.0, 30.2]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

### 6.3.12 Q: Does this health plan have a deductible?

Follow-up group(s): No longer enrolled

Universe: Respondents who are currently covered by a private health insurance plan that is in their name (n = 146)

	Health plan has a deductible						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=144)	77.3	[65.8, 85.8]	14.7	[7.4, 27.2]	7.9	[4.5, 13.7]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=65)	77.0	[58.2, 88.9]	16.3	[5.9, 37.5]	6.8	[2.8, 15.3]	100.0
35-50 (n=43)	77.2	[59.5, 88.7]	14.1	[5.1, 33.5]	8.6	[3.1, 21.7]	100.0
51-64 (n=36)	78.7	[61.7, 89.4]	10.7	[4.6, 23.2]	10.6	[3.6, 27.2]	100.0
Pearson: Uncorrected chi2(4) =	0.7888						
Design-based F(3.21, 423.67) =	0.1693	Pr =	0.927				
<b>Gender</b>							
Male (n=61)	73.0	[54.6, 85.9]	19.8	[8.3, 40.2]	7.2	[3.1, 15.7]	100.0
Female (n=83)	82.9	[72.9, 89.7]	8.3	[4.0, 16.5]	8.8	[4.1, 18.1]	100.0
Pearson: Uncorrected chi2(2) =	3.7416						
Design-based F(1.92, 253.77) =	1.6038	Pr =	0.204				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=96)	81.9	[71.8, 88.9]	9.3	[4.8, 17.2]	8.8	[4.2, 17.6]	100.0
Black, non-Hispanic (n=26)	68.7	[36.4, 89.4]	26.7	[7.4, 62.2]	4.7	[1.0, 19.2]	100.0
Hispanic (n=8)	72.6	[37.2, 92.2]	11.4	[2.3, 41.3]	15.9	[3.2, 52.2]	100.0
Other, non-Hispanic (n=12)	81.0	[50.3, 94.7]	16.3	[3.9, 48.5]	2.7	[0.4, 18.4]	100.0
Pearson: Uncorrected chi2(6) =	7.7854						
Design-based F(4.22, 548.68) =	1.0719	Pr =	0.371				
<b>FPL category</b>							
0-35% (n=43)	80.0	[52.6, 93.6]	14.8	[3.3, 47.3]	5.1	[1.7, 14.5]	100.0
36-99% (n=52)	76.0	[60.0, 87.0]	16.1	[7.1, 32.6]	7.9	[3.1, 19.0]	100.0
100%+ (n=49)	75.1	[57.9, 86.8]	13.0	[5.3, 28.5]	12.0	[4.7, 27.4]	100.0
Pearson: Uncorrected chi2(4) =	1.5947						
Design-based F(2.83, 373.87) =	0.2400	Pr =	0.858				
<b>Region</b>							
UP/NW/NE (n=20)	81.0	[54.1, 93.9]	3.0	[0.4, 20.2]	16.0	[3.9, 47.5]	100.0
W/E Central/E (n=43)	79.5	[64.1, 89.3]	12.5	[5.4, 26.6]	8.0	[3.0, 19.5]	100.0
S Central/SW/SE (n=37)	79.8	[61.1, 90.9]	12.3	[4.4, 30.1]	7.9	[2.3, 23.8]	100.0
Detroit Metro (n=44)	73.6	[48.8, 89.1]	19.9	[6.2, 48.4]	6.5	[2.2, 17.5]	100.0
Pearson: Uncorrected chi2(6) =	3.3119						
Design-based F(4.38, 577.63) =	0.4808	Pr =	0.766				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=99)	75.0	[59.2, 86.1]	18.0	[8.1, 35.3]	7.0	[3.3, 14.3]	100.0
No (n=45)	81.6	[65.5, 91.2]	8.7	[2.6, 25.9]	9.6	[4.0, 21.5]	100.0
Pearson: Uncorrected chi2(2) =	2.3721						
Design-based F(1.80, 237.43) =	0.8015	Pr =	0.438				
<b>Total (n=144)</b>	<b>77.3</b>	<b>[65.8, 85.8]</b>	<b>14.7</b>	<b>[7.4, 27.2]</b>	<b>7.9</b>	<b>[4.5, 13.7]</b>	<b>100.0</b>

Note: Total count is less than universe count due to item non-response.

**6.3.12.1 Q: What is the annual deductible for medical care for this plan? (individual plan)**

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by a private health insurance plan in their name and their plan has a deductible (n = 114)

<b>Annual deductible amount (individual)</b>	<b>Weighted Proportion</b>	<b>95%CI</b>
< \$1,300 (n=40)	50.6	[50.6, 50.6]
\$1,300-2,600 (n=22)	21.2	[21.2, 21.2]
> \$2,600 (n=11)	12.5	[12.5, 12.5]
Don't know (n=15)	15.7	[15.7, 15.7]

**Note:** Total count is less than universe count due to item non-response.

**6.3.12.2 Q: What is the annual deductible for medical care for this plan? (2+ persons covered)**

*Follow-up group(s):* No longer enrolled

*Universe:* Respondents who are currently covered by a private health insurance plan in their name and their plan has a deductible (n = 30)

<b>Annual deductible amount (2+ covered)</b>	<b>Weighted Proportion</b>	<b>95%CI</b>
< \$2,600 (n=12)	51.0	[51.0, 51.0]
\$2,600-5,200 (n=6)	29.1	[29.1, 29.1]
> \$5,200 (n=3)	11.2	[11.2, 11.2]
Don't know (n=2)	8.7	[8.7, 8.7]

**Note:** Total count is less than universe count due to item non-response.

## 6.4 Q: The amount I paid for the Healthy Michigan Plan seemed fair.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Amount I paid for HMP seemed fair												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=708)	35.4	[31.0, 40.1]	56.5	[51.8, 61.1]	3.8	[2.1, 6.5]	3.1	[2.0, 4.7]	0.4	[0.1, 1.3]	0.8	[0.3, 1.7]	100.0
Pearson: Uncorrected chi2(0) =	.												
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=245)	41.7	[34.0, 49.8]	52.9	[44.9, 60.7]	3.0	[1.0, 9.2]	1.9	[0.8, 4.7]	0.3	[0.0, 2.0]	0.2	[0.0, 1.4]	100.0
35-50 (n=209)	28.6	[22.0, 36.3]	62.2	[54.3, 69.5]	2.8	[1.4, 5.3]	4.9	[2.7, 8.8]	0.0		1.5	[0.5, 4.8]	100.0
51-64 (n=254)	33.2	[26.4, 40.7]	55.9	[48.2, 63.4]	6.0	[2.6, 13.4]	2.9	[1.3, 6.3]	1.1	[0.3, 4.4]	0.8	[0.2, 2.6]	100.0
Pearson: Uncorrected chi2(10) =	21.8664												
Design-based F(8.09, 5628.55) =	1.7753	Pr =	0.076										
<b>Gender</b>													
Male (n=296)	36.5	[29.6, 43.9]	57.8	[50.4, 64.9]	3.1	[1.2, 7.5]	1.5	[0.6, 3.6]	0.3	[0.0, 2.3]	0.9	[0.3, 2.8]	100.0
Female (n=412)	34.3	[29.0, 40.0]	55.3	[49.4, 61.0]	4.5	[2.2, 8.8]	4.7	[2.9, 7.6]	0.5	[0.1, 2.1]	0.7	[0.2, 1.9]	100.0
Pearson: Uncorrected chi2(5) =	7.5023												
Design-based F(4.40, 3063.86) =	1.0767	Pr =	0.369										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=455)	41.3	[35.4, 47.4]	51.7	[45.8, 57.5]	4.2	[2.1, 8.1]	2.2	[1.2, 3.9]	0.3	[0.0, 1.9]	0.4	[0.1, 1.4]	100.0
Black, non-Hispanic (n=154)	23.5	[16.8, 31.8]	67.2	[57.9, 75.3]	4.3	[1.5, 12.1]	3.6	[1.5, 8.4]	0.5	[0.1, 3.2]	0.9	[0.2, 4.7]	100.0
Hispanic (n=38)	22.1	[10.2, 41.6]	60.5	[41.8, 76.6]	2.8	[0.6, 11.3]	9.2	[3.4, 22.6]	2.7	[0.4, 16.9]	2.7	[0.4, 16.9]	100.0
Other, non-Hispanic (n=52)	40.0	[25.4, 56.6]	54.0	[37.8, 69.4]	0.0		4.4	[1.0, 17.0]	0.0		1.5	[0.2, 10.1]	100.0
Pearson: Uncorrected chi2(15) =	36.1959												
Design-based F(13.15, 9033.27) =	1.8912	Pr =	0.026										
<b>FPL category</b>													
0-35% (n=217)	32.4	[24.8, 41.1]	57.0	[48.3, 65.3]	6.4	[3.0, 13.1]	2.7	[1.3, 5.5]	1.0	[0.3, 3.3]	0.5	[0.1, 3.5]	100.0
36-99% (n=259)	40.0	[33.2, 47.1]	54.3	[47.2, 61.2]	2.2	[1.1, 4.3]	2.1	[0.8, 5.5]	0.0		1.5	[0.6, 3.7]	100.0
100%+ (n=232)	34.4	[27.1, 42.4]	58.6	[50.6, 66.1]	1.7	[0.6, 5.0]	5.0	[2.7, 9.0]	0.0		0.4	[0.0, 2.5]	100.0
Pearson: Uncorrected chi2(10) =	21.0028												
Design-based F(8.75, 6091.24) =	1.9093	Pr =	0.048										
<b>Region</b>													
UP/NW/NE (n=124)	32.2	[23.9, 41.9]	63.1	[53.4, 71.9]	2.3	[0.8, 6.2]	2.4	[0.7, 7.5]	0.0		0.0		100.0
W/E Central/E (n=203)	37.9	[30.4, 46.1]	54.9	[46.8, 62.7]	1.3	[0.4, 4.5]	5.6	[3.1, 10.0]	0.0		0.3	[0.0, 2.3]	100.0
S Central/SW/SE (n=169)	41.6	[32.4, 51.5]	51.6	[42.2, 60.9]	3.3	[1.3, 7.8]	2.0	[0.6, 6.3]	0.5	[0.1, 3.7]	0.9	[0.3, 2.8]	100.0
Detroit Metro (n=212)	30.6	[23.4, 38.9]	59.2	[50.6, 67.2]	6.2	[2.8, 13.1]	2.1	[0.9, 4.7]	0.8	[0.2, 3.1]	1.2	[0.4, 3.8]	100.0
Pearson: Uncorrected chi2(15) =	23.4180												
Design-based F(12.28, 8549.16) =	1.5893	Pr =	0.085										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=537)	30.8	[26.1, 35.8]	60.5	[55.2, 65.5]	3.3	[1.8, 6.1]	3.9	[2.5, 6.1]	0.4	[0.1, 1.7]	1.1	[0.5, 2.4]	100.0
No (n=171)	47.1	[37.6, 56.8]	46.6	[37.3, 56.2]	4.8	[1.6, 13.6]	1.0	[0.3, 3.3]	0.4	[0.1, 3.0]	0.0		100.0
Pearson: Uncorrected chi2(5) =	22.6615												
Design-based F(4.03, 2801.53) =	3.2200	Pr =	0.012										
<b>Total (n=708)</b>	35.4	[31.0, 40.1]	56.5	[51.8, 61.1]	3.8	[2.1, 6.5]	3.1	[2.0, 4.7]	0.4	[0.1, 1.3]	0.8	[0.3, 1.7]	100.0

Note: Total count is less than universe count due to item non-response.

## 6.5 Q: The amount I pay now for my health insurance seems fair.

Follow-up group(s): No longer enrolled

Universe: Respondents who are currently covered by some kind of health insurance (n = 508)

	Amount I pay now for my health insurance seems fair												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=505)	10.9	[8.2, 14.3]	59.0	[53.4, 64.3]	6.1	[4.0, 9.2]	15.2	[11.2, 20.4]	7.4	[5.0, 11.0]	1.4	[0.6, 3.4]	100.0
Pearson: Uncorrected chi2(0) =	.												
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=155)	10.0	[6.0, 16.2]	60.4	[50.1, 69.9]	6.3	[2.9, 13.4]	17.0	[9.8, 28.0]	3.4	[1.3, 9.1]	2.8	[0.9, 8.0]	100.0
35-50 (n=143)	7.5	[4.0, 13.6]	56.7	[46.7, 66.3]	5.3	[2.7, 10.0]	18.3	[11.3, 28.3]	11.9	[6.1, 21.7]	0.4	[0.1, 2.6]	100.0
51-64 (n=207)	15.3	[10.2, 22.3]	59.2	[51.1, 66.8]	6.5	[3.4, 12.0]	10.0	[6.7, 14.6]	8.3	[5.0, 13.6]	0.7	[0.2, 2.3]	100.0
Pearson: Uncorrected chi2(10) =	21.8138												
Design-based F(8.55, 4215.19) =	1.6784	Pr =	0.093										
<b>Gender</b>													
Male (n=196)	10.2	[6.4, 15.9]	58.5	[49.1, 67.4]	7.3	[3.9, 13.3]	17.5	[10.5, 27.6]	6.3	[3.0, 12.7]	0.2	[0.0, 1.3]	100.0
Female (n=309)	11.5	[8.1, 16.1]	59.4	[52.9, 65.5]	5.0	[2.9, 8.4]	13.2	[9.6, 17.8]	8.4	[5.3, 13.2]	2.5	[1.0, 6.2]	100.0
Pearson: Uncorrected chi2(5) =	8.4848												
Design-based F(4.39, 2163.33) =	1.2240	Pr =	0.297										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=332)	13.1	[9.5, 18.0]	55.3	[48.6, 61.9]	7.7	[4.6, 12.6]	13.1	[9.1, 18.6]	9.6	[6.4, 14.3]	1.0	[0.4, 2.9]	100.0
Black, non-Hispanic (n=106)	8.7	[4.2, 17.1]	62.0	[49.0, 73.4]	3.9	[1.6, 9.3]	19.3	[10.1, 33.8]	4.9	[1.2, 18.6]	1.1	[0.2, 7.7]	100.0
Hispanic (n=24)	1.6	[0.2, 10.9]	85.9	[68.8, 94.4]	0.0		9.1	[2.7, 26.3]	1.8	[0.2, 12.3]	1.6	[0.2, 11.1]	100.0
Other, non-Hispanic (n=36)	8.1	[2.8, 21.4]	58.4	[38.5, 75.9]	3.5	[0.5, 21.2]	22.5	[9.5, 44.7]	2.4	[0.3, 15.2]	5.1	[0.7, 28.6]	100.0
Pearson: Uncorrected chi2(15) =	28.0746												
Design-based F(11.81, 5738.05) =	1.3158	Pr =	0.203										
<b>FPL category</b>													
0-35% (n=161)	11.4	[7.0, 18.1]	58.8	[48.4, 68.4]	6.5	[3.0, 13.4]	13.6	[7.0, 24.9]	7.9	[3.8, 15.4]	1.8	[0.4, 7.3]	100.0
36-99% (n=182)	10.7	[6.9, 16.3]	65.2	[57.1, 72.6]	4.4	[2.2, 8.8]	13.4	[8.7, 20.1]	5.5	[2.7, 11.1]	0.8	[0.2, 2.5]	100.0
100%+ (n=162)	10.3	[6.0, 17.3]	51.3	[41.9, 60.6]	7.5	[3.9, 13.8]	20.0	[12.8, 29.9]	9.2	[4.9, 16.7]	1.7	[0.4, 6.1]	100.0
Pearson: Uncorrected chi2(10) =	8.8031												
Design-based F(8.81, 4344.25) =	0.6183	Pr =	0.779										
<b>Region</b>													
UP/NW/NE (n=92)	12.2	[6.6, 21.4]	52.2	[40.9, 63.2]	7.6	[3.3, 16.5]	14.8	[8.2, 25.3]	11.0	[5.7, 20.1]	2.3	[0.7, 7.0]	100.0
W/E Central/E (n=145)	13.2	[7.9, 21.2]	60.4	[50.6, 69.4]	6.6	[3.4, 12.2]	13.3	[7.3, 23.2]	4.6	[2.0, 10.5]	1.9	[0.4, 9.3]	100.0
S Central/SW/SE (n=120)	13.6	[8.4, 21.2]	54.7	[43.0, 65.9]	7.7	[2.8, 19.3]	14.5	[8.1, 24.6]	7.9	[3.3, 17.8]	1.5	[0.3, 7.1]	100.0
Detroit Metro (n=148)	7.3	[3.8, 13.5]	62.3	[51.9, 71.6]	4.3	[2.0, 9.1]	17.1	[9.9, 27.9]	8.3	[4.2, 16.0]	0.8	[0.1, 5.4]	100.0
Pearson: Uncorrected chi2(15) =	11.4364												
Design-based F(12.98, 6398.97) =	0.5667	Pr =	0.882										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=396)	10.2	[7.2, 14.2]	56.4	[50.1, 62.5]	5.1	[3.2, 7.9]	17.8	[12.9, 24.1]	8.7	[5.5, 13.4]	1.8	[0.7, 4.5]	100.0
No (n=109)	12.8	[7.6, 21.0]	65.9	[54.4, 75.9]	8.8	[3.8, 18.8]	8.1	[3.4, 18.3]	4.0	[1.7, 8.9]	0.3	[0.0, 2.3]	100.0
Pearson: Uncorrected chi2(5) =	14.9787												
Design-based F(4.25, 2094.62) =	2.1683	Pr =	0.066										
<b>Total (n=505)</b>	10.9	[8.2, 14.3]	59.0	[53.4, 64.3]	6.1	[4.0, 9.2]	15.2	[11.2, 20.4]	7.4	[5.0, 11.0]	1.4	[0.6, 3.4]	100.0

Note: Total count is less than universe count due to item non-response.

## 6.6 Q: The amount I paid for the Healthy Michigan Plan was affordable.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Amount I paid for HMP was affordable												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=708)	38.6	[34.1, 43.3]	55.8	[51.1, 60.4]	1.4	[0.7, 2.6]	3.6	[2.4, 5.5]	0.2	[0.1, 1.0]	0.4	[0.1, 1.1]	100.0
Pearson: Uncorrected chi2(0) =	.		.										
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=245)	45.2	[37.4, 53.3]	51.6	[43.6, 59.5]	0.2	[0.0, 1.7]	2.9	[1.2, 6.9]	0.0		0.0		100.0
35-50 (n=209)	33.3	[26.1, 41.4]	58.3	[50.2, 65.9]	2.5	[1.1, 5.5]	5.2	[2.9, 9.1]	0.2	[0.0, 1.6]	0.5	[0.1, 3.3]	100.0
51-64 (n=254)	34.1	[27.2, 41.6]	59.6	[51.9, 66.8]	1.8	[0.5, 6.2]	3.0	[1.5, 5.7]	0.6	[0.1, 4.1]	0.9	[0.3, 3.1]	100.0
Pearson: Uncorrected chi2(10) =	19.3859												
Design-based F(8.90, 6194.12) =	1.8160	Pr =	0.061										
<b>Gender</b>													
Male (n=296)	38.1	[31.1, 45.6]	58.0	[50.6, 65.1]	0.3	[0.0, 1.9]	2.9	[1.4, 5.9]	0.3	[0.0, 2.3]	0.5	[0.1, 1.9]	100.0
Female (n=412)	39.1	[33.6, 44.9]	53.6	[47.8, 59.3]	2.5	[1.2, 4.9]	4.4	[2.7, 7.2]	0.1	[0.0, 1.0]	0.3	[0.1, 1.5]	100.0
Pearson: Uncorrected chi2(5) =	8.4964												
Design-based F(4.51, 3136.56) =	1.5839	Pr =	0.168										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=455)	44.5	[38.6, 50.5]	50.7	[44.8, 56.5]	2.0	[0.9, 4.1]	2.3	[1.3, 4.0]	0.4	[0.1, 1.7]	0.2	[0.0, 1.1]	100.0
Black, non-Hispanic (n=154)	27.8	[20.2, 36.9]	67.0	[57.6, 75.2]	0.3	[0.0, 1.8]	4.8	[2.1, 10.8]	0.0		0.2	[0.0, 1.2]	100.0
Hispanic (n=38)	27.7	[14.2, 46.9]	55.2	[36.6, 72.4]	2.8	[0.6, 11.3]	11.7	[4.7, 26.3]	0.0		2.7	[0.4, 16.9]	100.0
Other, non-Hispanic (n=52)	37.7	[23.4, 54.5]	56.5	[40.0, 71.6]	0.0		4.3	[1.0, 16.9]	0.0		1.5	[0.2, 9.9]	100.0
Pearson: Uncorrected chi2(15) =	39.0802												
Design-based F(12.92, 8874.94) =	2.2973	Pr =	0.005										
<b>FPL category</b>													
0-35% (n=217)	40.5	[32.3, 49.2]	55.0	[46.4, 63.3]	1.6	[0.5, 4.9]	2.0	[0.8, 5.1]	0.4	[0.1, 2.8]	0.5	[0.1, 2.1]	100.0
36-99% (n=259)	39.2	[32.5, 46.3]	56.0	[48.9, 62.9]	1.5	[0.7, 3.6]	2.6	[1.2, 6.0]	0.0		0.6	[0.1, 2.8]	100.0
100%+ (n=232)	34.9	[27.6, 43.0]	56.8	[48.8, 64.4]	0.7	[0.2, 2.4]	7.3	[4.2, 12.6]	0.3	[0.0, 1.9]	0.0		100.0
Pearson: Uncorrected chi2(10) =	13.5195												
Design-based F(8.88, 6180.27) =	1.2833	Pr =	0.241										
<b>Region</b>													
UP/NW/NE (n=124)	42.4	[33.0, 52.3]	53.6	[43.8, 63.2]	1.5	[0.5, 4.6]	2.5	[0.8, 7.6]	0.0		0.0		100.0
W/E Central/E (n=203)	37.3	[29.7, 45.6]	57.2	[49.0, 65.0]	0.6	[0.1, 2.9]	4.6	[2.3, 9.1]	0.2	[0.0, 1.7]	0.0		100.0
S Central/SW/SE (n=169)	44.3	[35.0, 54.1]	51.1	[41.7, 60.5]	1.9	[0.6, 6.3]	2.0	[0.7, 6.2]	0.0		0.6	[0.1, 2.5]	100.0
Detroit Metro (n=212)	35.2	[27.6, 43.7]	58.0	[49.5, 66.0]	1.5	[0.5, 4.4]	4.1	[2.2, 7.8]	0.4	[0.1, 2.9]	0.7	[0.2, 2.7]	100.0
Pearson: Uncorrected chi2(15) =	9.4741												
Design-based F(11.71, 8148.81) =	0.7066	Pr =	0.743										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=537)	34.3	[29.5, 39.5]	59.0	[53.7, 64.0]	1.2	[0.6, 2.5]	4.6	[3.0, 7.0]	0.3	[0.1, 1.4]	0.6	[0.2, 1.6]	100.0
No (n=171)	49.3	[39.7, 58.8]	47.8	[38.4, 57.3]	1.7	[0.5, 6.1]	1.3	[0.3, 5.3]	0.0		0.0		100.0
Pearson: Uncorrected chi2(5) =	17.8276												
Design-based F(4.65, 3237.09) =	2.8477	Pr =	0.017										
<b>Total (n=708)</b>	38.6	[34.1, 43.3]	55.8	[51.1, 60.4]	1.4	[0.7, 2.6]	3.6	[2.4, 5.5]	0.2	[0.1, 1.0]	0.4	[0.1, 1.1]	100.0

Note: Total count is less than universe count due to item non-response.

## 6.7 Q: The amount I pay now for my health insurance is affordable.

Follow-up group(s): No longer enrolled

Universe: Respondents who are currently covered by some kind of health insurance (n = 508)

	Amount I pay now for my health insurance is affordable												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=506)	11.4	[8.6, 14.9]	61.0	[55.6, 66.2]	8.5	[5.8, 12.5]	13.0	[9.6, 17.2]	4.9	[3.1, 7.7]	1.1	[0.4, 3.2]	100.0
Pearson: Uncorrected chi2(0) =	.												
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=155)	10.5	[6.4, 16.8]	63.2	[53.4, 72.0]	11.8	[6.2, 21.1]	8.3	[4.9, 13.7]	3.4	[1.2, 9.0]	2.8	[0.9, 8.0]	100.0
35-50 (n=144)	8.0	[4.4, 14.3]	60.4	[50.2, 69.8]	4.7	[2.3, 9.6]	20.7	[12.8, 31.8]	6.1	[2.9, 12.6]	0.0		100.0
51-64 (n=207)	15.8	[10.5, 22.9]	58.8	[50.7, 66.5]	8.1	[4.8, 13.4]	11.5	[7.6, 17.1]	5.8	[3.1, 10.6]	0.0		100.0
Pearson: Uncorrected chi2(10) =	30.1995												
Design-based F(9.54, 4710.80) =	2.2070	Pr =	0.017										
<b>Gender</b>													
Male (n=196)	10.1	[6.4, 15.7]	65.4	[56.2, 73.6]	7.3	[3.4, 15.2]	15.1	[9.4, 23.3]	2.1	[0.8, 5.2]	0.0		100.0
Female (n=310)	12.6	[8.9, 17.4]	57.2	[50.6, 63.5]	9.6	[6.4, 14.3]	11.1	[8.1, 15.1]	7.5	[4.5, 12.2]	2.1	[0.7, 6.0]	100.0
Pearson: Uncorrected chi2(5) =	16.6538												
Design-based F(4.77, 2357.03) =	2.1487	Pr =	0.060										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=332)	12.7	[9.1, 17.6]	57.8	[51.0, 64.3]	10.8	[6.7, 16.9]	11.2	[8.0, 15.3]	7.1	[4.3, 11.5]	0.5	[0.1, 3.3]	100.0
Black, non-Hispanic (n=106)	9.8	[5.1, 17.9]	63.1	[51.1, 73.7]	7.4	[3.4, 15.4]	16.5	[8.8, 28.7]	2.0	[0.6, 6.9]	1.1	[0.2, 7.7]	100.0
Hispanic (n=25)	1.6	[0.2, 10.7]	85.7	[69.8, 94.0]	1.5	[0.2, 10.3]	9.7	[3.3, 24.9]	0.0		1.6	[0.2, 10.9]	100.0
Other, non-Hispanic (n=36)	10.7	[4.2, 25.0]	62.4	[42.1, 79.1]	0.0		18.2	[6.5, 41.6]	3.5	[0.8, 14.3]	5.1	[0.7, 28.6]	100.0
Pearson: Uncorrected chi2(15) =	31.1595												
Design-based F(12.54, 6108.21) =	1.6086	Pr =	0.078										
<b>FPL category</b>													
0-35% (n=161)	12.6	[7.9, 19.4]	63.0	[53.0, 72.1]	6.0	[2.5, 13.6]	11.6	[6.1, 20.9]	5.0	[2.5, 9.6]	1.8	[0.4, 7.3]	100.0
36-99% (n=183)	11.9	[7.8, 17.6]	65.3	[57.2, 72.5]	6.8	[3.9, 11.4]	12.0	[7.5, 18.7]	4.1	[1.7, 9.3]	0.0		100.0
100%+ (n=162)	9.1	[4.9, 16.0]	52.4	[43.0, 61.7]	14.8	[8.1, 25.6]	16.3	[11.1, 23.4]	6.0	[2.5, 13.6]	1.4	[0.3, 6.3]	100.0
Pearson: Uncorrected chi2(10) =	16.4662												
Design-based F(9.26, 4572.10) =	1.1012	Pr =	0.358										
<b>Region</b>													
UP/NW/NE (n=92)	11.2	[6.0, 19.8]	56.5	[45.2, 67.2]	7.6	[3.6, 15.4]	16.7	[9.6, 27.3]	7.1	[3.1, 15.5]	0.9	[0.1, 6.1]	100.0
W/E Central/E (n=146)	11.8	[6.8, 19.7]	65.1	[55.1, 73.9]	9.3	[4.1, 19.7]	9.0	[5.2, 15.2]	3.2	[1.1, 8.7]	1.6	[0.2, 10.3]	100.0
S Central/SW/SE (n=120)	15.7	[9.9, 24.0]	53.7	[42.0, 65.0]	11.4	[5.5, 22.4]	11.4	[5.7, 21.6]	6.6	[2.4, 16.7]	1.2	[0.2, 7.9]	100.0
Detroit Metro (n=148)	8.6	[4.8, 14.8]	63.6	[53.9, 72.3]	6.5	[3.3, 12.4]	15.9	[9.7, 24.9]	4.7	[2.4, 9.1]	0.8	[0.1, 5.4]	100.0
Pearson: Uncorrected chi2(15) =	13.6535												
Design-based F(13.00, 6422.13) =	0.6935	Pr =	0.772										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=396)	10.8	[7.7, 14.9]	60.1	[53.9, 65.9]	8.4	[5.3, 13.0]	13.6	[9.8, 18.5]	5.8	[3.5, 9.4]	1.4	[0.4, 4.4]	100.0
No (n=110)	13.1	[7.8, 21.2]	63.6	[52.1, 73.8]	9.0	[4.0, 18.9]	11.4	[5.7, 21.5]	2.6	[0.9, 7.0]	0.3	[0.0, 2.3]	100.0
Pearson: Uncorrected chi2(5) =	4.2029												
Design-based F(4.31, 2128.49) =	0.6114	Pr =	0.667										
<b>Total (n=506)</b>	11.4	[8.6, 14.9]	61.0	[55.6, 66.2]	8.5	[5.8, 12.5]	13.0	[9.6, 17.2]	4.9	[3.1, 7.7]	1.1	[0.4, 3.2]	100.0

Note: Total count is less than universe count due to item non-response.

## 6.8 Q: Overall, how does the amount you currently pay for your health care in a typical month compare to what you were paying with your Healthy Michigan Plan insurance?

Follow-up group(s): No longer enrolled

Universe: All respondents

	Current monthly insurance cost compared to HMP										Total Row%
	Less		About the same		A little more		A lot more		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>											
No longer enrolled (n=701)	7.7	[5.8, 10.2]	39.4	[35.1, 44.0]	14.8	[11.9, 18.2]	32.2	[27.8, 37.0]	5.8	[4.0, 8.4]	100.0
Pearson: Uncorrected chi2(0) =	.										
Design-based F(., .) =	.	Pr =	.								
<b>Age</b>											
19-34 (n=243)	4.0	[2.2, 7.1]	37.9	[30.6, 45.8]	19.9	[14.6, 26.5]	34.0	[26.5, 42.5]	4.2	[2.2, 7.8]	100.0
35-50 (n=206)	9.1	[5.9, 13.8]	43.2	[35.5, 51.3]	8.8	[5.2, 14.3]	32.5	[25.2, 40.8]	6.4	[3.5, 11.5]	100.0
51-64 (n=252)	12.0	[7.5, 18.7]	37.7	[30.9, 45.1]	13.5	[9.2, 19.4]	29.0	[22.6, 36.5]	7.8	[3.9, 14.9]	100.0
Pearson: Uncorrected chi2(8) =	25.7655										
Design-based F(7.72, 5319.70) =	2.3008	Pr =	0.020								
<b>Gender</b>											
Male (n=293)	7.3	[4.6, 11.5]	41.1	[34.3, 48.3]	17.1	[12.8, 22.4]	29.3	[22.5, 37.2]	5.3	[3.0, 9.0]	100.0
Female (n=408)	8.1	[5.8, 11.4]	37.8	[32.4, 43.6]	12.5	[8.9, 17.3]	35.2	[29.8, 40.9]	6.4	[3.8, 10.5]	100.0
Pearson: Uncorrected chi2(4) =	5.3349										
Design-based F(3.92, 2700.30) =	0.8781	Pr =	0.474								
<b>Race/ethnicity</b>											
White, non-Hispanic (n=451)	7.7	[5.5, 10.7]	37.2	[31.8, 43.0]	15.4	[11.9, 19.8]	34.1	[28.6, 40.0]	5.6	[3.3, 9.2]	100.0
Black, non-Hispanic (n=152)	7.3	[3.5, 14.6]	41.4	[32.3, 51.1]	10.5	[6.2, 17.3]	33.6	[24.3, 44.3]	7.2	[3.7, 13.8]	100.0
Hispanic (n=37)	20.3	[10.1, 36.8]	30.0	[15.7, 49.6]	22.3	[8.2, 47.9]	17.8	[8.1, 34.7]	9.7	[3.4, 24.6]	100.0
Other, non-Hispanic (n=52)	1.9	[0.4, 8.3]	53.3	[37.2, 68.8]	19.5	[9.6, 35.7]	23.9	[12.5, 40.8]	1.4	[0.2, 9.5]	100.0
Pearson: Uncorrected chi2(12) =	27.1923										
Design-based F(10.88, 7399.50) =	1.5823	Pr =	0.098								
<b>FPL category</b>											
0-35% (n=216)	5.5	[3.2, 9.3]	49.1	[40.6, 57.6]	11.4	[7.3, 17.2]	29.8	[21.8, 39.2]	4.3	[2.1, 8.5]	100.0
36-99% (n=254)	6.9	[3.7, 12.6]	36.8	[30.3, 43.7]	22.8	[17.1, 29.7]	28.1	[22.3, 34.6]	5.5	[2.6, 11.0]	100.0
100%+ (n=231)	12.1	[8.3, 17.3]	27.9	[21.6, 35.2]	10.3	[6.4, 16.2]	41.1	[33.6, 49.0]	8.6	[4.9, 14.7]	100.0
Pearson: Uncorrected chi2(8) =	44.9362										
Design-based F(7.64, 5266.92) =	3.8369	Pr =	0.000								
<b>Region</b>											
UP/NW/NE (n=123)	8.8	[4.6, 16.3]	35.2	[26.5, 44.9]	10.6	[6.1, 17.8]	40.9	[31.7, 50.7]	4.6	[1.8, 11.1]	100.0
W/E Central/E (n=198)	9.6	[6.2, 14.6]	37.9	[30.6, 45.8]	18.0	[12.5, 25.3]	28.2	[21.3, 36.2]	6.3	[3.1, 12.3]	100.0
S Central/SW/SE (n=169)	7.2	[4.0, 12.6]	41.5	[32.9, 50.7]	12.6	[8.2, 18.8]	34.1	[25.0, 44.6]	4.7	[2.0, 10.4]	100.0
Detroit Metro (n=211)	6.4	[3.5, 11.4]	40.3	[32.4, 48.7]	14.7	[9.9, 21.2]	32.1	[24.4, 40.8]	6.5	[3.5, 11.6]	100.0
Pearson: Uncorrected chi2(12) =	8.5587										
Design-based F(10.59, 7296.71) =	0.5787	Pr =	0.842								
<b>Chronic condition (2016/2017 survey or DW)</b>											
Yes (n=531)	8.4	[6.1, 11.6]	38.1	[33.2, 43.2]	13.9	[10.7, 17.8]	33.0	[28.1, 38.4]	6.5	[4.3, 9.7]	100.0
No (n=170)	5.9	[3.4, 10.2]	42.8	[33.6, 52.5]	17.1	[11.3, 24.9]	30.2	[21.7, 40.3]	4.0	[1.5, 10.2]	100.0
Pearson: Uncorrected chi2(4) =	4.8715										
Design-based F(3.81, 2626.22) =	0.7476	Pr =	0.553								
<b>Total (n=701)</b>	7.7	[5.8, 10.2]	39.4	[35.1, 44.0]	14.8	[11.9, 18.2]	32.2	[27.8, 37.0]	5.8	[4.0, 8.4]	100.0

Note: Total count is less than universe count due to item non-response.

## 6.9 Q: Since your Healthy Michigan Plan insurance ended, have you had problems paying medical bills?

Follow-up group(s): No longer enrolled

Universe: All respondents

	Problems paying medical bills since HMP coverage ended						Total Row%
	Yes		No		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>							
No longer enrolled (n=708)	22.0	[18.5, 26.0]	77.6	[73.7, 81.1]	0.4	[0.1, 1.3]	100.0
Pearson: Uncorrected chi2(0) =	.		.				
Design-based F(., .) =	.	Pr =	.				
<b>Age</b>							
19-34 (n=244)	20.5	[15.0, 27.2]	79.3	[72.5, 84.7]	0.3	[0.0, 1.9]	100.0
35-50 (n=209)	25.7	[19.2, 33.6]	74.3	[66.4, 80.8]	0.0		100.0
51-64 (n=255)	20.2	[15.4, 26.2]	78.8	[72.7, 83.8]	0.9	[0.2, 4.7]	100.0
Pearson: Uncorrected chi2(4) =	4.9839						
Design-based F(3.76, 2618.40) =	1.0248	Pr =	0.391				
<b>Gender</b>							
Male (n=297)	18.5	[13.6, 24.6]	81.3	[75.2, 86.2]	0.2	[0.0, 1.6]	100.0
Female (n=411)	25.6	[20.9, 30.9]	73.9	[68.6, 78.6]	0.5	[0.1, 2.6]	100.0
Pearson: Uncorrected chi2(2) =	5.6568						
Design-based F(1.90, 1324.33) =	2.2235	Pr =	0.111				
<b>Race/ethnicity</b>							
White, non-Hispanic (n=455)	22.1	[17.9, 26.9]	77.6	[72.7, 81.8]	0.4	[0.1, 2.5]	100.0
Black, non-Hispanic (n=154)	22.8	[15.7, 31.9]	77.2	[68.1, 84.3]	0.0		100.0
Hispanic (n=38)	20.2	[7.7, 43.6]	79.8	[56.4, 92.3]	0.0		100.0
Other, non-Hispanic (n=52)	17.5	[7.8, 34.8]	81.1	[64.1, 91.1]	1.4	[0.2, 9.5]	100.0
Pearson: Uncorrected chi2(6) =	3.5736						
Design-based F(5.60, 3843.88) =	0.3831	Pr =	0.879				
<b>FPL category</b>							
0-35% (n=217)	22.1	[16.0, 29.8]	77.1	[69.3, 83.3]	0.8	[0.2, 3.3]	100.0
36-99% (n=259)	15.5	[11.3, 21.0]	84.5	[79.0, 88.7]	0.0		100.0
100%+ (n=232)	29.8	[23.4, 37.0]	70.1	[62.8, 76.4]	0.2	[0.0, 1.2]	100.0
Pearson: Uncorrected chi2(4) =	14.7608						
Design-based F(3.32, 2313.97) =	3.4231	Pr =	0.013				
<b>Region</b>							
UP/NW/NE (n=124)	23.4	[16.3, 32.4]	76.6	[67.6, 83.7]	0.0		100.0
W/E Central/E (n=203)	18.3	[13.4, 24.6]	81.7	[75.4, 86.6]	0.0		100.0
S Central/SW/SE (n=169)	24.2	[17.6, 32.4]	74.4	[66.0, 81.2]	1.4	[0.3, 5.8]	100.0
Detroit Metro (n=212)	23.1	[16.8, 30.9]	76.8	[68.9, 83.1]	0.1	[0.0, 0.8]	100.0
Pearson: Uncorrected chi2(6) =	8.7212						
Design-based F(4.38, 3046.27) =	1.6493	Pr =	0.153				
<b>Chronic condition (2016/2017 survey or DW)</b>							
Yes (n=538)	23.6	[19.6, 28.1]	75.9	[71.3, 79.9]	0.5	[0.1, 1.8]	100.0
No (n=170)	18.0	[11.7, 26.7]	82.0	[73.3, 88.3]	0.0		100.0
Pearson: Uncorrected chi2(2) =	3.7747						
Design-based F(1.89, 1317.08) =	1.2867	Pr =	0.276				
<b>Total (n=708)</b>	22.0	[18.5, 26.0]	77.6	[73.7, 81.1]	0.4	[0.1, 1.3]	100.0

Note: Total count is less than universe count due to item non-response.

**6.9.1 Q: Since your Healthy Michigan Plan insurance ended, have your problems paying medical bills gotten worse, stayed the same, or gotten better?**

Follow-up group(s): No longer enrolled

Universe: Respondents who had problems paying medical bills since HMP coverage ended (n = 169)

	Change in problems paying medical bills since HMP coverage ended								Total Row%
	Gotten worse Row%	95%CI	Stayed the same Row%	95%CI	Gotten better Row%	95%CI	Don't know Row%	95%CI	
<b>Follow-up group</b>									
No longer enrolled (n=168)	80.7	[73.9, 86.1]	15.2	[10.5, 21.5]	3.1	[1.3, 7.0]	1.0	[0.2, 4.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.						
Design-based F(., .) =	.	Pr =	.						
<b>Age</b>									
19-34 (n=55)	81.1	[67.5, 89.9]	14.5	[6.9, 28.0]	4.3	[1.3, 13.3]	0.0		100.0
35-50 (n=54)	85.8	[75.4, 92.2]	12.9	[6.8, 23.3]	1.3	[0.3, 5.1]	0.0		100.0
51-64 (n=59)	72.8	[58.7, 83.4]	19.4	[10.8, 32.4]	3.6	[0.7, 16.2]	4.2	[1.0, 15.6]	100.0
Pearson: Uncorrected chi2(6) =	7.4865								
Design-based F(5.04, 786.98) =	1.1861	Pr =	0.314						
<b>Gender</b>									
Male (n=58)	80.5	[68.4, 88.7]	16.3	[9.0, 27.9]	1.5	[0.2, 10.4]	1.6	[0.2, 11.1]	100.0
Female (n=110)	80.9	[71.7, 87.6]	14.3	[8.7, 22.8]	4.2	[1.7, 10.1]	0.6	[0.1, 4.2]	100.0
Pearson: Uncorrected chi2(3) =	1.4923								
Design-based F(2.96, 461.04) =	0.4907	Pr =	0.686						
<b>Race/ethnicity</b>									
White, non-Hispanic (n=108)	73.8	[63.4, 82.0]	19.6	[12.5, 29.3]	4.9	[2.0, 11.5]	1.8	[0.4, 7.1]	100.0
Black, non-Hispanic (n=38)	91.8	[81.3, 96.7]	7.5	[2.8, 18.3]	0.7	[0.1, 5.3]	0.0		100.0
Hispanic (n=8)	85.1	[46.7, 97.4]	14.9	[2.6, 53.3]	0.0		0.0		100.0
Other, non-Hispanic (n=10)	95.3	[70.3, 99.4]	4.7	[0.6, 29.7]	0.0		0.0		100.0
Pearson: Uncorrected chi2(9) =	9.1291								
Design-based F(5.52, 838.45) =	0.9744	Pr =	0.437						
<b>FPL category</b>									
0-35% (n=47)	88.2	[77.5, 94.1]	6.0	[2.3, 15.1]	3.3	[0.8, 12.7]	2.5	[0.6, 10.1]	100.0
36-99% (n=44)	76.6	[62.3, 86.6]	21.7	[12.1, 35.8]	1.7	[0.2, 11.7]	0.0		100.0
100%+ (n=77)	74.8	[61.6, 84.6]	21.5	[12.3, 34.8]	3.7	[1.2, 11.3]	0.0		100.0
Pearson: Uncorrected chi2(6) =	10.0877								
Design-based F(5.32, 830.51) =	2.0673	Pr =	0.063						
<b>Region</b>									
UP/NW/NE (n=30)	69.3	[48.1, 84.6]	25.8	[11.9, 47.3]	4.8	[1.2, 17.9]	0.0		100.0
W/E Central/E (n=42)	67.8	[50.0, 81.6]	22.4	[11.2, 39.7]	5.5	[1.3, 20.3]	4.3	[1.0, 16.8]	100.0
S Central/SW/SE (n=43)	81.4	[66.6, 90.6]	14.3	[6.8, 27.6]	4.3	[1.0, 17.3]	0.0		100.0
Detroit Metro (n=53)	90.4	[81.4, 95.3]	9.1	[4.3, 18.2]	0.5	[0.1, 3.6]	0.0		100.0
Pearson: Uncorrected chi2(9) =	14.3529								
Design-based F(7.11, 1109.50) =	2.2802	Pr =	0.025						
<b>Chronic condition (2016/2017 survey or DW)</b>									
Yes (n=138)	79.1	[70.9, 85.4]	15.6	[10.2, 23.0]	4.0	[1.7, 9.0]	1.3	[0.3, 5.5]	100.0
No (n=30)	86.2	[69.9, 94.4]	13.8	[5.6, 30.1]	0.0		0.0		100.0
Pearson: Uncorrected chi2(3) =	2.3247								
Design-based F(2.93, 456.41) =	0.7270	Pr =	0.533						
<b>Total (n=168)</b>	80.7	[73.9, 86.1]	15.2	[10.5, 21.5]	3.1	[1.3, 7.0]	1.0	[0.2, 4.2]	100.0

**Note:** Total count is less than universe count due to item non-response.

## 6.10 Q: People without health insurance need to worry a lot about being wiped out financially.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=706)	32.5	[28.2, 37.0]	49.0	[44.4, 53.7]	6.9	[4.8, 9.7]	9.8	[7.4, 12.9]	0.6	[0.2, 1.6]	1.2	[0.4, 3.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.										
Design-based F(., .) =	.		Pr =										
<b>Age</b>													
19-34 (n=245)	29.8	[22.9, 37.8]	45.6	[37.8, 53.6]	11.8	[7.7, 17.5]	9.5	[5.9, 15.0]	1.2	[0.4, 3.6]	2.1	[0.6, 7.2]	100.0
35-50 (n=209)	31.3	[24.4, 39.2]	53.7	[45.7, 61.5]	2.3	[1.0, 5.1]	12.2	[7.7, 18.8]	0.0		0.5	[0.1, 3.2]	100.0
51-64 (n=252)	38.0	[31.0, 45.7]	49.2	[41.6, 56.8]	4.3	[1.6, 11.0]	7.5	[4.3, 12.9]	0.4	[0.1, 2.7]	0.6	[0.1, 3.0]	100.0
Pearson: Uncorrected chi2(10) =	32.2823												
Design-based F(9.16, 6356.94) =	2.4573		Pr =		0.008								
<b>Gender</b>													
Male (n=295)	33.0	[26.4, 40.3]	46.4	[39.2, 53.8]	7.8	[4.7, 12.7]	12.4	[8.7, 17.3]	0.2	[0.0, 1.5]	0.3	[0.0, 1.8]	100.0
Female (n=411)	32.0	[26.9, 37.5]	51.6	[45.8, 57.4]	6.0	[3.7, 9.5]	7.3	[4.4, 11.7]	1.0	[0.4, 3.0]	2.2	[0.7, 6.2]	100.0
Pearson: Uncorrected chi2(5) =	13.7758												
Design-based F(4.68, 3249.16) =	2.0424		Pr =		0.074								
<b>Race/ethnicity</b>													
White, non-Hispanic (n=454)	39.2	[33.6, 45.2]	45.8	[40.1, 51.6]	7.4	[4.9, 10.9]	6.2	[3.8, 10.1]	0.7	[0.2, 2.5]	0.6	[0.2, 1.8]	100.0
Black, non-Hispanic (n=153)	21.7	[14.9, 30.4]	56.2	[46.4, 65.6]	5.0	[1.9, 12.7]	16.2	[10.6, 24.1]	0.8	[0.2, 3.1]	0.0		100.0
Hispanic (n=38)	22.3	[10.5, 41.1]	35.7	[20.9, 53.9]	14.6	[5.2, 34.6]	14.5	[5.8, 31.9]	0.0		12.8	[2.8, 42.6]	100.0
Other, non-Hispanic (n=52)	27.3	[15.8, 42.9]	56.5	[40.2, 71.4]	4.9	[0.7, 27.5]	9.7	[3.7, 23.0]	0.0		1.7	[0.2, 11.2]	100.0
Pearson: Uncorrected chi2(15) =	85.2456												
Design-based F(12.80, 8770.36) =	3.6556		Pr =		0.000								
<b>FPL category</b>													
0-35% (n=215)	34.6	[26.8, 43.2]	45.0	[36.7, 53.6]	5.8	[3.0, 11.0]	12.4	[8.0, 18.9]	0.8	[0.2, 3.7]	1.3	[0.2, 8.9]	100.0
36-99% (n=259)	30.7	[24.6, 37.7]	51.5	[44.4, 58.5]	8.2	[4.7, 14.0]	7.8	[4.6, 12.7]	0.5	[0.1, 2.2]	1.3	[0.4, 3.9]	100.0
100%+ (n=232)	31.4	[24.8, 38.8]	52.1	[44.3, 59.8]	6.8	[3.6, 12.6]	8.3	[5.0, 13.6]	0.4	[0.1, 3.0]	1.0	[0.3, 3.2]	100.0
Pearson: Uncorrected chi2(10) =	7.2708												
Design-based F(8.82, 6123.57) =	0.5123		Pr =		0.864								
<b>Region</b>													
UP/NW/NE (n=124)	35.9	[27.1, 45.8]	48.9	[39.4, 58.4]	3.9	[1.6, 9.3]	10.0	[5.5, 17.3]	0.0		1.4	[0.3, 5.8]	100.0
W/E Central/E (n=202)	25.7	[19.4, 33.2]	51.2	[43.3, 59.2]	10.1	[6.0, 16.6]	11.3	[7.1, 17.6]	0.8	[0.2, 3.0]	0.8	[0.2, 3.3]	100.0
S Central/SW/SE (n=168)	38.9	[30.0, 48.6]	46.9	[37.7, 56.3]	6.3	[2.7, 14.0]	7.5	[4.0, 13.6]	0.4	[0.1, 3.0]	0.0		100.0
Detroit Metro (n=212)	32.8	[25.4, 41.3]	48.7	[40.3, 57.1]	5.5	[2.8, 10.7]	10.0	[5.9, 16.4]	0.8	[0.2, 3.7]	2.2	[0.6, 8.0]	100.0
Pearson: Uncorrected chi2(15) =	16.6612												
Design-based F(12.04, 8352.74) =	0.8791		Pr =		0.568								
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=535)	31.5	[26.9, 36.5]	51.3	[46.0, 56.5]	6.5	[4.2, 9.8]	9.7	[7.0, 13.1]	0.5	[0.1, 2.1]	0.6	[0.2, 1.7]	100.0
No (n=171)	34.9	[25.9, 45.0]	43.3	[34.3, 52.9]	7.9	[4.1, 14.6]	10.2	[5.5, 18.0]	1.0	[0.3, 3.2]	2.8	[0.7, 10.7]	100.0
Pearson: Uncorrected chi2(5) =	9.1433												
Design-based F(4.80, 3333.49) =	1.1318		Pr =		0.341								
<b>Total (n=706)</b>	32.5	[28.2, 37.0]	49.0	[44.4, 53.7]	6.9	[4.8, 9.7]	9.8	[7.4, 12.9]	0.6	[0.2, 1.6]	1.2	[0.4, 3.2]	100.0

Note: Total count is less than universe count due to item non-response.

## 6.11 Q: I worry more about something bad happening to my health since my Healthy Michigan Plan insurance ended.

Follow-up group(s): No longer enrolled

Universe: All respondents

	Strongly agree		Agree		I worry more about my health since HMP coverage ended				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral	95%CI	Disagree	95%CI	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>													
No longer enrolled (n=703)	19.1	[15.7, 23.1]	29.9	[25.7, 34.4]	7.5	[5.5, 10.0]	37.5	[33.0, 42.1]	5.5	[3.9, 7.7]	0.5	[0.2, 1.2]	100.0
Pearson: Uncorrected chi2(0) =	.		.										
Design-based F(., .) =	.	Pr =	.										
<b>Age</b>													
19-34 (n=243)	18.4	[12.9, 25.5]	30.4	[23.5, 38.3]	9.9	[6.3, 15.2]	34.0	[26.9, 42.0]	7.4	[4.6, 11.6]	0.0		100.0
35-50 (n=208)	18.9	[13.7, 25.4]	34.3	[26.9, 42.5]	5.0	[2.8, 8.9]	37.4	[30.0, 45.5]	4.2	[2.0, 8.4]	0.2	[0.0, 1.5]	100.0
51-64 (n=252)	20.6	[14.9, 27.7]	24.1	[18.2, 31.1]	6.4	[4.0, 10.3]	43.0	[35.5, 50.7]	4.3	[2.3, 7.9]	1.7	[0.7, 4.3]	100.0
Pearson: Uncorrected chi2(10) =	20.8515												
Design-based F(8.93, 6170.17) =	1.7840	Pr =	0.067										
<b>Gender</b>													
Male (n=294)	17.3	[12.4, 23.6]	31.8	[25.3, 39.1]	7.1	[4.3, 11.6]	37.5	[30.7, 44.9]	5.9	[3.7, 9.4]	0.4	[0.1, 1.5]	100.0
Female (n=409)	21.0	[16.6, 26.1]	28.0	[23.0, 33.6]	7.8	[5.4, 11.0]	37.4	[31.9, 43.2]	5.2	[3.2, 8.3]	0.7	[0.2, 2.0]	100.0
Pearson: Uncorrected chi2(5) =	2.8042												
Design-based F(4.64, 3208.60) =	0.4280	Pr =	0.816										
<b>Race/ethnicity</b>													
White, non-Hispanic (n=453)	24.2	[19.3, 29.9]	24.5	[20.1, 29.5]	9.9	[7.1, 13.7]	33.5	[28.1, 39.4]	7.6	[5.2, 11.0]	0.3	[0.1, 1.2]	100.0
Black, non-Hispanic (n=153)	11.2	[6.9, 17.6]	34.2	[25.0, 44.8]	3.0	[1.4, 6.3]	48.6	[38.9, 58.5]	2.6	[1.0, 6.6]	0.4	[0.1, 3.0]	100.0
Hispanic (n=37)	10.1	[4.1, 22.9]	56.9	[38.3, 73.8]	1.4	[0.2, 9.5]	29.3	[15.7, 48.0]	1.1	[0.1, 7.4]	1.2	[0.2, 8.3]	100.0
Other, non-Hispanic (n=52)	17.3	[9.0, 30.6]	37.2	[22.4, 55.0]	9.0	[2.5, 27.5]	32.3	[19.8, 47.9]	2.0	[0.5, 7.8]	2.2	[0.5, 9.3]	100.0
Pearson: Uncorrected chi2(15) =	61.5617												
Design-based F(12.19, 8324.43) =	3.7551	Pr =	0.000										
<b>FPL category</b>													
0-35% (n=214)	17.9	[12.2, 25.5]	32.3	[24.6, 41.1]	6.1	[3.2, 11.2]	39.2	[31.2, 47.8]	3.8	[1.8, 7.5]	0.7	[0.2, 2.4]	100.0
36-99% (n=257)	17.9	[13.0, 24.0]	28.4	[22.4, 35.2]	10.5	[7.1, 15.3]	36.2	[29.6, 43.4]	6.5	[3.9, 10.7]	0.5	[0.1, 2.3]	100.0
100%+ (n=232)	22.4	[16.6, 29.7]	28.0	[21.8, 35.3]	5.8	[3.3, 10.2]	36.4	[29.2, 44.4]	7.1	[4.0, 12.2]	0.2	[0.0, 1.3]	100.0
Pearson: Uncorrected chi2(10) =	10.5349												
Design-based F(8.87, 6127.93) =	0.8588	Pr =	0.560										
<b>Region</b>													
UP/NW/NE (n=123)	20.6	[14.0, 29.2]	28.7	[20.6, 38.4]	8.9	[4.6, 16.6]	38.1	[28.9, 48.1]	3.0	[1.2, 7.2]	0.7	[0.1, 5.0]	100.0
W/E Central/E (n=201)	16.6	[11.4, 23.5]	24.9	[18.8, 32.2]	8.0	[4.8, 12.9]	43.4	[35.6, 51.6]	6.8	[3.7, 12.4]	0.2	[0.0, 1.6]	100.0
S Central/SW/SE (n=168)	22.7	[16.1, 31.0]	25.3	[18.3, 33.9]	10.6	[5.7, 18.9]	31.1	[22.6, 41.1]	9.5	[5.6, 15.7]	0.7	[0.2, 3.1]	100.0
Detroit Metro (n=211)	18.5	[12.6, 26.3]	36.5	[28.5, 45.3]	4.9	[2.8, 8.4]	36.7	[29.1, 45.1]	2.8	[1.3, 5.8]	0.6	[0.1, 2.4]	100.0
Pearson: Uncorrected chi2(15) =	27.6517												
Design-based F(12.51, 8647.28) =	1.7263	Pr =	0.052										
<b>Chronic condition (2016/2017 survey or DW)</b>													
Yes (n=535)	20.2	[16.4, 24.6]	30.3	[25.5, 35.6]	5.7	[4.1, 8.0]	38.1	[33.1, 43.3]	5.0	[3.3, 7.5]	0.7	[0.3, 1.6]	100.0
No (n=168)	16.3	[10.0, 25.5]	28.7	[20.9, 38.1]	11.9	[7.0, 19.5]	35.9	[27.0, 45.8]	6.9	[3.8, 12.4]	0.2	[0.0, 1.6]	100.0
Pearson: Uncorrected chi2(5) =	10.2472												
Design-based F(4.36, 3015.53) =	1.4473	Pr =	0.211										
<b>Total (n=703)</b>	19.1	[15.7, 23.1]	29.9	[25.7, 34.4]	7.5	[5.5, 10.0]	37.5	[33.0, 42.1]	5.5	[3.9, 7.7]	0.5	[0.2, 1.2]	100.0

Note: Total count is less than universe count due to item non-response.

**7 Aim 7: To describe the experiences and perceptions of HMP enrollees who may have been eligible for HMP for some time before enrolling.**

Not applicable to the Enrollee Follow-up Survey.

**2017 Healthy Michigan Voices Follow-Up Survey  
Appendix B: Additional Analyses**

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## 0 Demographics

## 0.1 Demographic characteristics among subgroups (2017)

### 0.1.1 Demographic characteristics, among respondents with a chronic condition

	Percent	95%CI
<b>Follow-up group</b>		
Still enrolled (n=1,931)	78.3	[76.2, 80.3]
No longer enrolled (n=538)	21.7	[19.7, 23.8]
<b>FPL categories (DW)</b>		
0-35% (n=1,019)	54.0	[52.4, 55.6]
36-99% (n=844)	26.8	[25.5, 28.2]
100%+ (n=606)	19.2	[18.1, 20.3]
<b>Region (DW)</b>		
UP/NW/NE (n=476)	9.6	[9.0, 10.2]
W/E Central/E (n=786)	29.8	[28.5, 31.2]
S Central/SW/SE (n=497)	17.5	[16.5, 18.6]
Detroit Metro (n=710)	43.1	[41.4, 44.7]
<b>Age (DW)</b>		
19-34 (n=548)	29.5	[27.1, 32.1]
35-50 (n=799)	36.5	[34.1, 39.1]
51-64 (n=1,122)	33.9	[31.7, 36.2]
<b>Gender (DW)</b>		
Male (n=966)	46.0	[43.5, 48.6]
Female (n=1,503)	54.0	[51.4, 56.5]
<b>Race/ethnicity (2016)</b>		
White, non-Hispanic (n=1,660)	59.8	[57.3, 62.2]
Black, non-Hispanic (n=515)	28.4	[26.1, 30.9]
Hispanic (n=100)	4.5	[3.5, 5.7]
Other, non-Hispanic (n=164)	7.3	[6.1, 8.8]
<b>Race (2016)</b>		
White (n=1,698)	61.5	[59.0, 63.9]
Black or African American (n=518)	28.6	[26.3, 31.0]
Other (n=143)	6.4	[5.2, 7.8]
More than one (n=79)	3.6	[2.7, 4.7]
<b>Hispanic/Latino (2016)</b>		
Yes (n=100)	4.5	[3.5, 5.7]
No (n=2,341)	95.1	[93.9, 96.2]
Don't know (n=5)	0.4	[0.1, 1.0]
<b>Arab, Chaldean, Middle Eastern (2016)</b>		
Yes (n=76)	3.7	[2.8, 4.7]
No (n=2,362)	95.9	[94.8, 96.8]
Don't know (n=7)	0.4	[0.2, 0.9]
<b>Urbanicity (DW)</b>		
Urban (n=1,708)	80.1	[78.6, 81.4]
Suburban (n=254)	9.1	[8.0, 10.3]
Rural (n=507)	10.8	[10.1, 11.7]
<b>Highest level of education (2017)</b>		
Less than high school (n=312)	12.6	[11.1, 14.3]
High school graduate (n=1,038)	41.8	[39.3, 44.3]
Some college (n=517)	21.9	[19.8, 24.2]
Associate's degree (n=318)	12.7	[11.1, 14.5]
Bachelor's degree (n=218)	8.8	[7.5, 10.4]
Post graduate degree (n=60)	2.1	[1.5, 2.9]
<b>Employment status- detailed (2017)</b>		
Full-time employment (n=602)	25.3	[23.1, 27.7]
Part-time employment (n=667)	28.0	[25.7, 30.4]
Out of work (n=296)	14.1	[12.4, 16.1]
Unable to work (n=546)	21.3	[19.4, 23.3]
Retired (n=175)	4.5	[3.7, 5.4]
Not looking for work at this time (n=158)	6.8	[5.6, 8.2]

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<b>In school (2017)</b>		
Yes (n=143)	7.7	[6.3, 9.4]
No (n=2,325)	92.3	[90.6, 93.7]
<b>Veteran (2016)</b>		
Yes (n=88)	4.2	[3.2, 5.4]
No (n=2,378)	95.8	[94.6, 96.8]
<b>Marital status (2017)</b>		
Married (n=605)	20.1	[18.4, 21.9]
Partnered (n=91)	3.3	[2.6, 4.2]
Divorced (n=600)	21.7	[19.7, 23.7]
Widowed (n=106)	3.1	[2.5, 4.0]
Separated (n=98)	4.2	[3.3, 5.3]
Never married (n=958)	47.6	[45.1, 50.2]
<b>Number of places lived in past 3 years (2017)</b>		
One (n=1,755)	68.6	[66.2, 70.9]
Two (n=471)	19.6	[17.7, 21.7]
Three (n=139)	6.7	[5.5, 8.2]
Four or more (n=100)	5.0	[3.9, 6.4]
Don't know (n=2)	0.1	[0.0, 0.3]
<b>Homeless in the last 12 months (2017)</b>		
Yes (n=167)	8.3	[6.9, 9.9]
No (n=2,295)	91.5	[89.9, 92.9]
Don't know (n=4)	0.3	[0.1, 0.8]
<b>Fair/poor health (2017)</b>		
Fair/poor health (n=821)	32.6	[30.3, 34.9]
Excellent/very good/good health (n=1,648)	67.4	[65.1, 69.7]

## 0.1.2 Demographic characteristics, among respondents with a mental health condition and/or substance use disorder

	Percent	95%CI
<b>Follow-up group</b>		
Still enrolled (n=1,365)	78.4	[75.9, 80.6]
No longer enrolled (n=384)	21.6	[19.4, 24.1]
<b>FPL categories (DW)</b>		
0-35% (n=768)	56.9	[54.7, 59.0]
36-99% (n=567)	25.1	[23.3, 26.9]
100%+ (n=414)	18.1	[16.6, 19.6]
<b>Region (DW)</b>		
UP/NW/NE (n=345)	10.0	[9.2, 11.0]
W/E Central/E (n=587)	32.5	[30.5, 34.4]
S Central/SW/SE (n=380)	19.6	[18.1, 21.2]
Detroit Metro (n=437)	37.9	[35.5, 40.3]
<b>Age (DW)</b>		
19-34 (n=495)	36.4	[33.4, 39.5]
35-50 (n=601)	36.7	[33.9, 39.6]
51-64 (n=653)	26.9	[24.6, 29.4]
<b>Gender (DW)</b>		
Male (n=667)	44.1	[41.1, 47.1]
Female (n=1,082)	55.9	[52.9, 58.9]
<b>Race/ethnicity (2016)</b>		
White, non-Hispanic (n=1,240)	65.8	[62.9, 68.6]
Black, non-Hispanic (n=291)	21.7	[19.3, 24.4]
Hispanic (n=77)	4.9	[3.7, 6.4]
Other, non-Hispanic (n=119)	7.5	[6.1, 9.4]
<b>Race (2016)</b>		
White (n=1,273)	67.8	[64.9, 70.6]
Black or African American (n=293)	21.9	[19.5, 24.5]
Other (n=93)	6.0	[4.6, 7.7]
More than one (n=67)	4.3	[3.2, 5.8]
<b>Hispanic/Latino (2016)</b>		
Yes (n=77)	4.9	[3.7, 6.3]
No (n=1,652)	94.6	[93.0, 95.8]
Don't know (n=5)	0.6	[0.2, 1.4]
<b>Arab, Chaldean, Middle Eastern (2016)</b>		
Yes (n=39)	2.8	[1.9, 4.2]
No (n=1,689)	96.8	[95.3, 97.8]
Don't know (n=5)	0.4	[0.2, 1.1]
<b>Urbanicity (DW)</b>		
Urban (n=1,183)	78.2	[76.3, 80.0]
Suburban (n=197)	10.4	[9.0, 12.0]
Rural (n=369)	11.4	[10.3, 12.5]
<b>Highest level of education (2017)</b>		
Less than high school (n=226)	12.2	[10.5, 14.0]
High school graduate (n=711)	41.0	[38.1, 44.0]
Some college (n=392)	23.5	[21.0, 26.2]
Associate's degree (n=241)	13.7	[11.8, 15.9]
Bachelor's degree (n=143)	8.0	[6.5, 9.8]
Post graduate degree (n=34)	1.6	[1.1, 2.3]
<b>Employment status- detailed (2017)</b>		
Full-time employment (n=405)	22.5	[20.2, 25.0]
Part-time employment (n=461)	28.0	[25.3, 30.9]
Out of work (n=220)	13.7	[11.8, 15.9]
Unable to work (n=453)	26.2	[23.7, 28.9]
Retired (n=86)	2.8	[2.1, 3.5]
Not looking for work at this time (n=105)	6.7	[5.3, 8.6]

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<b>In school (2017)</b>		
Yes (n=123)	9.5	[7.6, 11.8]
No (n=1,626)	90.5	[88.2, 92.4]
<b>Veteran (2016)</b>		
Yes (n=58)	3.4	[2.5, 4.7]
No (n=1,689)	96.6	[95.3, 97.5]
<b>Marital status (2017)</b>		
Married (n=386)	16.8	[15.1, 18.7]
Partnered (n=72)	3.7	[2.9, 4.8]
Divorced (n=422)	21.0	[18.8, 23.5]
Widowed (n=62)	2.4	[1.8, 3.2]
Separated (n=63)	3.6	[2.7, 4.7]
Never married (n=738)	52.5	[49.6, 55.4]
<b>Number of places lived in past 3 years (2017)</b>		
One (n=1,174)	64.7	[61.8, 67.5]
Two (n=376)	22.1	[19.7, 24.6]
Three (n=109)	7.1	[5.7, 8.8]
Four or more (n=87)	6.0	[4.6, 7.8]
Don't know (n=2)	0.1	[0.0, 0.4]
<b>Homeless in the last 12 months (2017)</b>		
Yes (n=145)	10.0	[8.2, 12.1]
No (n=1,597)	89.6	[87.4, 91.4]
Don't know (n=4)	0.4	[0.1, 1.1]
<b>Fair/poor health (2017)</b>		
Fair/poor health (n=623)	35.6	[32.8, 38.5]
Excellent/very good/good health (n=1,126)	64.4	[61.5, 67.2]

### 0.1.3 Demographic characteristics, among respondents with a mental health condition

	Percent	95%CI
<b>Follow-up group</b>		
Still enrolled (n=1,232)	78.2	[75.6, 80.6]
No longer enrolled (n=350)	21.8	[19.4, 24.4]
<b>FPL categories (DW)</b>		
0-35% (n=689)	56.2	[53.8, 58.6]
36-99% (n=517)	25.6	[23.7, 27.6]
100%+ (n=376)	18.2	[16.6, 19.9]
<b>Region (DW)</b>		
UP/NW/NE (n=319)	10.4	[9.4, 11.4]
W/E Central/E (n=544)	33.6	[31.4, 35.8]
S Central/SW/SE (n=348)	20.3	[18.6, 22.1]
Detroit Metro (n=371)	35.7	[33.1, 38.4]
<b>Age (DW)</b>		
19-34 (n=463)	37.8	[34.7, 41.1]
35-50 (n=542)	36.0	[33.1, 39.1]
51-64 (n=577)	26.1	[23.8, 28.6]
<b>Gender (DW)</b>		
Male (n=559)	41.1	[38.0, 44.3]
Female (n=1,023)	58.9	[55.7, 62.0]
<b>Race/ethnicity (2016)</b>		
White, non-Hispanic (n=1,154)	68.6	[65.6, 71.5]
Black, non-Hispanic (n=231)	18.7	[16.3, 21.3]
Hispanic (n=70)	4.9	[3.7, 6.5]
Other, non-Hispanic (n=108)	7.8	[6.2, 9.8]
<b>Race (2016)</b>		
White (n=1,182)	70.5	[67.5, 73.3]
Black or African American (n=233)	18.8	[16.5, 21.4]
Other (n=88)	6.4	[4.9, 8.3]
More than one (n=59)	4.3	[3.1, 5.8]
<b>Hispanic/Latino (2016)</b>		
Yes (n=70)	4.9	[3.7, 6.5]
No (n=1,495)	94.5	[92.8, 95.8]
Don't know (n=5)	0.6	[0.2, 1.6]
<b>Arab, Chaldean, Middle Eastern (2016)</b>		
Yes (n=39)	3.1	[2.1, 4.7]
No (n=1,525)	96.4	[94.8, 97.5]
Don't know (n=5)	0.5	[0.2, 1.3]
<b>Urbanicity (DW)</b>		
Urban (n=1,061)	77.7	[75.7, 79.6]
Suburban (n=182)	10.7	[9.2, 12.5]
Rural (n=339)	11.6	[10.4, 12.8]
<b>Highest level of education (2017)</b>		
Less than high school (n=205)	12.1	[10.4, 14.1]
High school graduate (n=619)	38.6	[35.6, 41.7]
Some college (n=361)	24.6	[21.9, 27.5]
Associate's degree (n=227)	14.4	[12.3, 16.8]
Bachelor's degree (n=137)	8.6	[7.0, 10.6]
Post graduate degree (n=32)	1.6	[1.1, 2.4]
<b>Employment status- detailed (2017)</b>		
Full-time employment (n=356)	21.3	[19.0, 23.9]
Part-time employment (n=415)	27.6	[24.7, 30.6]
Out of work (n=198)	13.7	[11.8, 16.0]
Unable to work (n=425)	27.6	[24.9, 30.5]
Retired (n=74)	2.7	[2.0, 3.5]
Not looking for work at this time (n=98)	7.1	[5.5, 9.1]

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<b>In school (2017)</b>		
Yes (n=114)	9.7	[7.7, 12.1]
No (n=1,468)	90.3	[87.9, 92.3]
<b>Veteran (2016)</b>		
Yes (n=43)	3.0	[2.1, 4.2]
No (n=1,537)	97.0	[95.8, 97.9]
<b>Marital status (2017)</b>		
Married (n=358)	17.4	[15.5, 19.5]
Partnered (n=65)	3.7	[2.8, 4.9]
Divorced (n=384)	21.1	[18.7, 23.7]
Widowed (n=57)	2.5	[1.9, 3.4]
Separated (n=56)	3.6	[2.6, 4.8]
Never married (n=658)	51.7	[48.6, 54.7]
<b>Number of places lived in past 3 years (2017)</b>		
One (n=1,057)	64.0	[60.9, 67.0]
Two (n=341)	22.4	[19.9, 25.2]
Three (n=99)	7.1	[5.6, 8.9]
Four or more (n=83)	6.4	[4.9, 8.3]
Don't know (n=2)	0.1	[0.0, 0.5]
<b>Homeless in the last 12 months (2017)</b>		
Yes (n=129)	9.7	[7.9, 12.0]
No (n=1,448)	89.9	[87.7, 91.8]
Don't know (n=3)	0.3	[0.1, 1.1]
<b>Fair/poor health (2017)</b>		
Fair/poor health (n=571)	36.1	[33.2, 39.2]
Excellent/very good/good health (n=1,011)	63.9	[60.8, 66.8]

## 0.1.4 Demographic characteristics, among respondents with a substance use disorder

	Percent	95%CI
<b>Follow-up group</b>		
Still enrolled (n=484)	78.5	[74.2, 82.2]
No longer enrolled (n=132)	21.5	[17.8, 25.8]
<b>FPL categories (DW)</b>		
0-35% (n=340)	67.0	[63.1, 70.8]
36-99% (n=162)	19.1	[16.2, 22.3]
100%+ (n=114)	13.9	[11.4, 16.7]
<b>Region (DW)</b>		
UP/NW/NE (n=99)	7.5	[6.1, 9.2]
W/E Central/E (n=187)	28.7	[25.1, 32.7]
S Central/SW/SE (n=147)	20.3	[17.3, 23.7]
Detroit Metro (n=183)	43.4	[38.9, 48.1]
<b>Age (DW)</b>		
19-34 (n=158)	32.1	[27.4, 37.1]
35-50 (n=217)	38.0	[33.3, 42.9]
51-64 (n=241)	30.0	[26.0, 34.3]
<b>Gender (DW)</b>		
Male (n=340)	59.1	[54.2, 63.8]
Female (n=276)	40.9	[36.2, 45.8]
<b>Race/ethnicity (2016)</b>		
White, non-Hispanic (n=390)	57.8	[52.8, 62.6]
Black, non-Hispanic (n=149)	31.3	[26.8, 36.3]
Hispanic (n=22)	4.1	[2.5, 6.4]
Other, non-Hispanic (n=44)	6.8	[4.8, 9.5]
<b>Race (2016)</b>		
White (n=402)	59.9	[54.9, 64.7]
Black or African American (n=149)	31.3	[26.8, 36.3]
Other (n=30)	4.9	[3.2, 7.4]
More than one (n=24)	3.8	[2.4, 6.1]
<b>Hispanic/Latino (2016)</b>		
Yes (n=22)	4.0	[2.5, 6.4]
No (n=584)	95.4	[92.9, 97.1]
Don't know (n=2)	0.5	[0.1, 2.4]
<b>Arab, Chaldean, Middle Eastern (2016)</b>		
Yes (n=5)	0.8	[0.3, 2.3]
No (n=600)	98.7	[96.8, 99.5]
Don't know (n=2)	0.5	[0.1, 2.4]
<b>Urbanicity (DW)</b>		
Urban (n=450)	82.6	[79.4, 85.3]
Suburban (n=59)	8.7	[6.6, 11.5]
Rural (n=107)	8.7	[7.0, 10.8]
<b>Highest level of education (2017)</b>		
Less than high school (n=99)	15.7	[12.7, 19.2]
High school graduate (n=284)	48.1	[43.2, 53.1]
Some college (n=126)	19.1	[15.8, 23.1]
Associate's degree (n=67)	11.4	[8.4, 15.2]
Bachelor's degree (n=30)	4.7	[3.1, 7.1]
Post graduate degree (n=9)	1.0	[0.5, 2.0]
<b>Employment status- detailed (2017)</b>		
Full-time employment (n=134)	21.5	[17.6, 26.0]
Part-time employment (n=135)	23.6	[19.5, 28.3]
Out of work (n=87)	15.1	[12.0, 18.9]
Unable to work (n=206)	34.0	[29.5, 38.9]
Retired (n=26)	2.1	[1.4, 3.2]
Not looking for work at this time (n=22)	3.7	[2.3, 5.7]

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<b>In school (2017)</b>		
Yes (n=36)	7.1	[4.8, 10.3]
No (n=580)	92.9	[89.7, 95.2]
<hr/>		
<b>Veteran (2016)</b>		
Yes (n=34)	5.4	[3.6, 8.0]
No (n=581)	94.6	[92.0, 96.4]
<hr/>		
<b>Marital status (2017)</b>		
Married (n=105)	12.3	[9.9, 15.2]
Partnered (n=30)	4.3	[2.9, 6.4]
Divorced (n=147)	23.4	[19.3, 27.9]
Widowed (n=21)	2.0	[1.2, 3.3]
Separated (n=20)	3.3	[2.0, 5.3]
Never married (n=288)	54.7	[49.8, 59.5]
<hr/>		
<b>Number of places lived in past 3 years (2017)</b>		
One (n=390)	61.1	[56.1, 65.8]
Two (n=147)	24.4	[20.4, 28.8]
Three (n=39)	7.0	[4.9, 10.0]
Four or more (n=39)	7.5	[5.1, 11.0]
Don't know (n=0)	0.0	
<hr/>		
<b>Homeless in the last 12 months (2017)</b>		
Yes (n=79)	16.0	[12.3, 20.6]
No (n=535)	83.8	[79.2, 87.5]
Don't know (n=1)	0.2	[0.0, 1.7]
<hr/>		
<b>Fair/poor health (2017)</b>		
Fair/poor health (n=264)	41.8	[37.1, 46.7]
Excellent/very good/good health (n=352)	58.2	[53.3, 62.9]

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## 0.1.5 Demographic characteristics, among respondents employed in 2017

	Percent	95%CI
<b>Follow-up group</b>		
Still enrolled (n=1,319)	74.4	[71.7, 77.0]
No longer enrolled (n=423)	25.6	[23.0, 28.3]
<b>FPL categories (DW)</b>		
0-35% (n=478)	40.2	[37.6, 42.8]
36-99% (n=716)	34.3	[32.3, 36.4]
100%+ (n=548)	25.4	[23.8, 27.2]
<b>Region (DW)</b>		
UP/NW/NE (n=316)	9.0	[8.2, 9.9]
W/E Central/E (n=528)	28.5	[26.6, 30.5]
S Central/SW/SE (n=363)	19.4	[17.8, 21.2]
Detroit Metro (n=535)	43.1	[40.6, 45.6]
<b>Age (DW)</b>		
19-34 (n=642)	44.3	[41.3, 47.5]
35-50 (n=566)	33.8	[30.9, 36.7]
51-64 (n=534)	21.9	[19.8, 24.2]
<b>Gender (DW)</b>		
Male (n=686)	46.6	[43.6, 49.7]
Female (n=1,056)	53.4	[50.3, 56.4]
<b>Race/ethnicity (2016)</b>		
White, non-Hispanic (n=1,136)	57.3	[54.2, 60.3]
Black, non-Hispanic (n=367)	27.2	[24.4, 30.2]
Hispanic (n=88)	6.2	[4.8, 7.9]
Other, non-Hispanic (n=131)	9.4	[7.7, 11.4]
<b>Race (2016)</b>		
White (n=1,165)	59.3	[56.2, 62.2]
Black or African American (n=369)	27.3	[24.5, 30.3]
Other (n=122)	8.9	[7.2, 11.0]
More than one (n=65)	4.5	[3.4, 6.0]
<b>Hispanic/Latino (2016)</b>		
Yes (n=88)	6.2	[4.8, 7.9]
No (n=1,637)	93.8	[92.1, 95.2]
Don't know (n=1)	0.0	[0.0, 0.3]
<b>Arab, Chaldean, Middle Eastern (2016)</b>		
Yes (n=78)	5.3	[4.1, 6.9]
No (n=1,646)	94.6	[93.1, 95.8]
Don't know (n=2)	0.1	[0.0, 0.3]
<b>Urbanicity (DW)</b>		
Urban (n=1,256)	81.8	[80.1, 83.5]
Suburban (n=151)	8.2	[6.9, 9.7]
Rural (n=335)	9.9	[9.0, 11.0]
<b>Highest level of education (2017)</b>		
Less than high school (n=130)	7.6	[6.2, 9.3]
High school graduate (n=674)	38.0	[35.1, 41.0]
Some college (n=385)	23.9	[21.3, 26.7]
Associate's degree (n=280)	15.6	[13.6, 17.9]
Bachelor's degree (n=215)	11.7	[9.9, 13.8]
Post graduate degree (n=54)	3.1	[2.1, 4.6]
<b>Employment status- detailed (2017)</b>		
Full-time employment (n=856)	48.6	[45.6, 51.7]
Part-time employment (n=870)	51.3	[48.3, 54.4]
Out of work (n=0)	0.0	
Unable to work (n=1)	0.0	[0.0, 0.2]
Retired (n=0)	0.0	
Not looking for work at this time (n=0)	0.0	

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<b>In school (2017)</b>		
Yes (n=184)	14.5	[12.2, 17.0]
No (n=1,557)	85.5	[83.0, 87.8]
<b>Veteran (2016)</b>		
Yes (n=48)	3.3	[2.4, 4.7]
No (n=1,691)	96.7	[95.3, 97.6]
<b>Marital status (2017)</b>		
Married (n=399)	18.9	[16.9, 21.1]
Partnered (n=69)	3.4	[2.6, 4.5]
Divorced (n=350)	17.4	[15.3, 19.7]
Widowed (n=52)	2.4	[1.7, 3.2]
Separated (n=49)	3.2	[2.3, 4.4]
Never married (n=817)	54.7	[51.7, 57.7]
<b>Number of places lived in past 3 years (2017)</b>		
One (n=1,221)	68.0	[65.1, 70.8]
Two (n=343)	20.3	[18.0, 22.9]
Three (n=119)	8.1	[6.5, 10.1]
Four or more (n=56)	3.5	[2.5, 4.8]
Don't know (n=1)	0.0	[0.0, 0.3]
<b>Homeless in the last 12 months (2017)</b>		
Yes (n=78)	6.1	[4.6, 8.0]
No (n=1,659)	93.7	[91.8, 95.2]
Don't know (n=2)	0.2	[0.0, 0.7]
<b>Fair/poor health (2017)</b>		
Fair/poor health (n=307)	16.7	[14.7, 18.9]
Excellent/very good/good health (n=1,435)	83.3	[81.1, 85.3]

## 0.1.6 Demographic characteristics, among respondents not employed in 2017

	Percent	95%CI
<b>Follow-up group</b>		
Still enrolled (n=1,066)	79.9	[77.2, 82.4]
No longer enrolled (n=285)	20.1	[17.6, 22.8]
<b>FPL categories (DW)</b>		
0-35% (n=738)	68.5	[66.2, 70.6]
36-99% (n=366)	18.9	[17.1, 20.7]
100%+ (n=247)	12.7	[11.2, 14.3]
<b>Region (DW)</b>		
UP/NW/NE (n=258)	9.3	[8.3, 10.5]
W/E Central/E (n=451)	31.2	[29.0, 33.5]
S Central/SW/SE (n=270)	17.2	[15.5, 19.0]
Detroit Metro (n=372)	42.3	[39.6, 45.0]
<b>Age (DW)</b>		
19-34 (n=265)	28.5	[25.3, 32.0]
35-50 (n=402)	34.2	[31.0, 37.5]
51-64 (n=684)	37.3	[34.3, 40.4]
<b>Gender (DW)</b>		
Male (n=543)	47.6	[44.2, 51.0]
Female (n=808)	52.4	[49.0, 55.8]
<b>Race/ethnicity (2016)</b>		
White, non-Hispanic (n=922)	63.0	[59.7, 66.2]
Black, non-Hispanic (n=263)	25.8	[23.0, 28.9]
Hispanic (n=50)	3.4	[2.5, 4.6]
Other, non-Hispanic (n=97)	7.8	[6.1, 9.9]
<b>Race (2016)</b>		
White (n=941)	64.4	[61.1, 67.5]
Black or African American (n=266)	26.1	[23.2, 29.2]
Other (n=82)	6.1	[4.7, 7.9]
More than one (n=43)	3.4	[2.4, 5.0]
<b>Hispanic/Latino (2016)</b>		
Yes (n=50)	3.3	[2.4, 4.6]
No (n=1,284)	95.7	[94.1, 96.8]
Don't know (n=6)	1.0	[0.4, 2.4]
<b>Arab, Chaldean, Middle Eastern (2016)</b>		
Yes (n=46)	4.4	[3.0, 6.4]
No (n=1,287)	94.9	[92.8, 96.4]
Don't know (n=6)	0.7	[0.3, 1.7]
<b>Urbanicity (DW)</b>		
Urban (n=920)	79.6	[77.5, 81.5]
Suburban (n=156)	9.9	[8.3, 11.7]
Rural (n=275)	10.6	[9.4, 11.9]
<b>Highest level of education (2017)</b>		
Less than high school (n=225)	16.0	[13.8, 18.4]
High school graduate (n=592)	44.0	[40.7, 47.5]
Some college (n=279)	21.5	[18.8, 24.6]
Associate's degree (n=128)	9.4	[7.6, 11.5]
Bachelor's degree (n=90)	7.0	[5.5, 8.9]
Post graduate degree (n=34)	2.0	[1.4, 3.0]
<b>Employment status- detailed (2017)</b>		
Full-time employment (n=0)	0.0	
Part-time employment (n=0)	0.0	
Out of work (n=374)	33.7	[30.4, 37.1]
Unable to work (n=568)	41.3	[38.0, 44.6]
Retired (n=183)	8.5	[7.1, 10.1]
Not looking for work at this time (n=210)	16.6	[14.1, 19.4]

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<b>In school (2017)</b>		
Yes (n=69)	6.9	[5.1, 9.3]
No (n=1,282)	93.1	[90.7, 94.9]
<b>Veteran (2016)</b>		
Yes (n=53)	4.3	[3.1, 5.9]
No (n=1,296)	95.7	[94.1, 96.9]
<b>Marital status (2017)</b>		
Married (n=351)	20.1	[17.9, 22.6]
Partnered (n=50)	3.7	[2.6, 5.2]
Divorced (n=333)	21.7	[19.2, 24.4]
Widowed (n=61)	2.9	[2.1, 3.9]
Separated (n=52)	3.5	[2.6, 4.8]
Never married (n=497)	48.2	[44.8, 51.5]
<b>Number of places lived in past 3 years (2017)</b>		
One (n=950)	66.2	[62.8, 69.4]
Two (n=268)	20.8	[18.2, 23.7]
Three (n=67)	6.5	[4.9, 8.5]
Four or more (n=64)	6.5	[4.8, 8.7]
Don't know (n=1)	0.1	[0.0, 0.6]
<b>Homeless in the last 12 months (2017)</b>		
Yes (n=117)	10.3	[8.3, 12.6]
No (n=1,231)	89.5	[87.1, 91.4]
Don't know (n=2)	0.3	[0.1, 1.3]
<b>Fair/poor health (2017)</b>		
Fair/poor health (n=555)	40.9	[37.6, 44.2]
Excellent/very good/good health (n=796)	59.1	[55.8, 62.4]

## 0.2 Employment (2017)

### 0.2.1 Employment (2017) by improved health (from 2016-2017), among all respondents

	Employed/self-employed (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Improved health (from 2016-2017)</b>					
Yes (n=340)	57.4	[50.7, 63.9]	42.6	[36.1, 49.3]	100.0
No (n=2,753)	57.1	[54.8, 59.4]	42.9	[40.6, 45.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0111				
Design-based F(1.00, 3081.00) =	0.0068	Pr =	0.934		
<b>Total (n=3,093)</b>	<b>57.1</b>	<b>[55.0, 59.3]</b>	<b>42.9</b>	<b>[40.7, 45.0]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.

### 0.2.2 Employment (2017) by improved health (from 2016-2017), among respondents with a chronic condition

	Employed/self-employed (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Improved health (from 2016-2017)</b>					
Yes (n=304)	57.1	[49.9, 64.0]	42.9	[36.0, 50.1]	100.0
No (n=2,163)	52.6	[49.9, 55.2]	47.4	[44.8, 50.1]	100.0
Pearson: Uncorrected chi2(1) =	2.8759				
Design-based F(1.00, 3083.00) =	1.3605	Pr =	0.244		
<b>Total (n=2,467)</b>	<b>53.1</b>	<b>[50.6, 55.6]</b>	<b>46.9</b>	<b>[44.4, 49.4]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.

### 0.2.3 Employment (2017) by improved health (from 2016-2017), among respondents with a mental health condition and/or substance use disorder

	Employed/self-employed (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Improved health (from 2016-2017)</b>					
Yes (n=221)	54.1	[45.6, 62.4]	45.9	[37.6, 54.4]	100.0
No (n=1,527)	50.0	[46.8, 53.1]	50.0	[46.9, 53.2]	100.0
Pearson: Uncorrected chi2(1) =	2.3608				
Design-based F(1.00, 3084.00) =	0.7953	Pr =	0.373		
<b>Total (n=1,748)</b>	<b>50.5</b>	<b>[47.5, 53.4]</b>	<b>49.5</b>	<b>[46.6, 52.5]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.

## 0.2.4 Employment (2017) by improved health (from 2016-2017), among respondents with a mental health condition

	Employed/self-employed (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Improved health (from 2016-2017)</b>					
Yes (n=196)	52.1	[42.9, 61.2]	47.9	[38.8, 57.1]	100.0
No (n=1,385)	48.4	[45.1, 51.7]	51.6	[48.3, 54.9]	100.0
Pearson: Uncorrected chi2(1) =	1.9213				
Design-based F(1.00, 3084.00) =	0.5611	Pr =	0.454		
<b>Total (n=1,581)</b>	<b>48.8</b>	<b>[45.7, 51.9]</b>	<b>51.2</b>	<b>[48.1, 54.3]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.

## 0.2.5 Employment (2017) by improved health (from 2016-2017), among respondents with a substance use disorder

	Employed/self-employed (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Improved health (from 2016-2017)</b>					
Yes (n=84)	41.9	[30.5, 54.1]	58.1	[45.9, 69.5]	100.0
No (n=532)	45.6	[40.2, 51.0]	54.4	[49.0, 59.8]	100.0
Pearson: Uncorrected chi2(1) =	1.8957				
Design-based F(1.00, 3085.00) =	0.2985	Pr =	0.585		
<b>Total (n=616)</b>	<b>45.1</b>	<b>[40.2, 50.1]</b>	<b>54.9</b>	<b>[49.9, 59.8]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.

## 0.2.6 Employment (2017) by improved oral health (2016 or 2017), among respondents not employed in 2016

	Employed/self-employed (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Improved oral health (2016 or 2017)</b>					
Yes (n=729)	29.1	[24.8, 33.8]	70.9	[66.2, 75.2]	100.0
No (n=801)	29.7	[25.6, 34.1]	70.3	[65.9, 74.4]	100.0
Pearson: Uncorrected chi2(1) =	0.1508				
Design-based F(1.00, 3082.00) =	0.0403	Pr =	0.841		
<b>Total (n=1,530)</b>	<b>29.4</b>	<b>[26.4, 32.6]</b>	<b>70.6</b>	<b>[67.4, 73.6]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year.

## 0.2.7 Predictors of employment (2017), among respondents not employed in 2016

	Employed/self-employed (2017)		
	aOR	95% CI	p-value
<b>Improved oral health (2016 or 2017)</b>			
No		Reference	
Yes	0.94	[0.686, 1.284]	0.693
<b>Age (DW)</b>			
19-34		Reference	
35-50	0.42	[0.286, 0.625]	0.000
51-64	0.30	[0.211, 0.439]	0.000
<b>Gender (DW)</b>			
Male		Reference	
Female	0.68	[0.494, 0.939]	0.019
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.74	[1.196, 2.540]	0.004
Hispanic	1.47	[0.731, 2.965]	0.279
Other, non-Hispanic	1.30	[0.740, 2.278]	0.363
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	1.69	[1.193, 2.399]	0.003
100%+	1.23	[0.805, 1.876]	0.340
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.73	[1.221, 2.445]	0.002
Bachelor's/post graduate degree	1.97	[1.213, 3.205]	0.006
<b>Constant</b>	0.55	[0.368, 0.813]	0.003
N	1,503		
F-value	6.950		
Model degrees of freedom	11.000		
Residual degrees of freedom	1,491.000		
F-value significance	0.000		

**Notes:** Multiple logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year.

### 0.3 Employed and/or student (change 2016-2017)

#### 0.3.1 Employed and/or student (2016, 2017, change 2016-2017) by follow-up group and demographic characteristics (2017), among all respondents

	Employed/self-employed and/or student						Delta Percent
	Percent	2016 95%CI	N	Percent	2017 95%CI	N	
<b>Follow-up group</b>							
Still enrolled	53.1	[50.6, 55.6]	2,372	58.7	[56.2, 61.2]	2,388	5.6
No longer enrolled	58.2	[53.6, 62.7]	709	64.1	[59.8, 68.5]	709	5.9
<b>Age (DW)</b>							
19-34	70.0	[66.2, 73.7]	904	73.5	[69.9, 77.1]	909	3.5
35-50	49.8	[45.8, 53.7]	965	57.8	[53.9, 61.7]	969	8.0
51-64	39.0	[35.8, 42.3]	1,212	44.7	[41.3, 48.1]	1,219	5.7
<b>Gender (DW)</b>							
Male	52.2	[48.7, 55.7]	1,223	58.9	[55.5, 62.4]	1,230	6.7
Female	56.1	[53.3, 59.0]	1,858	60.9	[58.1, 63.6]	1,867	4.8
<b>Race/ethnicity (2016)</b>							
White, non-Hispanic	54.0	[51.3, 56.7]	2,049	57.5	[54.8, 60.2]	2,058	3.5
Black, non-Hispanic	51.0	[46.2, 55.9]	631	61.7	[57.1, 66.3]	634	10.7
Hispanic	68.7	[60.0, 77.4]	138	71.5	[63.2, 79.8]	138	2.8
Other, non-Hispanic	60.2	[52.6, 67.9]	227	65.8	[58.5, 73.2]	228	5.6
<b>FPL categories (DW)</b>							
0-35%	38.2	[34.6, 41.8]	1,208	47.4	[43.8, 51.0]	1,218	9.2
36-99%	69.2	[66.0, 72.4]	1,079	72.8	[69.8, 75.7]	1,084	3.6
100%+	75.6	[72.4, 78.9]	794	75.0	[71.7, 78.3]	795	-0.6
<b>Region (DW)</b>							
UP/NW/NE	55.5	[51.1, 59.9]	572	57.7	[53.3, 62.1]	574	2.2
W/E Central/E	51.1	[47.7, 54.6]	971	57.3	[53.9, 60.8]	980	6.2
S Central/SW/SE	56.9	[52.5, 61.2]	633	62.7	[58.4, 67.0]	633	5.8
Detroit Metro	55.1	[51.1, 59.1]	905	61.1	[57.2, 65.0]	910	6.0

0.3.2 Employed and/or student (2016, 2017, change 2016-2017), among all respondents and various subgroups

	Employed/self-employed and/or student						Delta Percent
	Percent	2016 95%CI	N	Percent	2017 95%CI	N	
<b>All respondents<sup>a</sup></b>							
Employed/self-employed and/or student	54.3	[52.1, 56.5]	1,679	60.0	[57.8, 62.1]	1,811	5.7
Not employed/self-employed and/or student	45.7	[43.5, 47.9]	1,402	40.0	[37.9, 42.2]	1,286	
<b>Among respondents still enrolled<sup>b</sup></b>							
Employed/self-employed and/or student	53.1	[50.6, 55.6]	1,275	58.7	[56.2, 61.2]	1,377	5.6
Not employed/self-employed and/or student	46.9	[44.4, 49.4]	1,097	41.3	[38.8, 43.8]	1,011	
<b>Among respondents no longer enrolled<sup>c</sup></b>							
Employed/self-employed and/or student	58.2	[53.6, 62.6]	404	64.1	[59.7, 68.3]	434	5.9
Not employed/self-employed and/or student	41.8	[37.4, 46.4]	305	35.9	[31.7, 40.3]	275	
<b>Among respondents with a chronic condition (2016 or 2017 survey and/or DW)<sup>d</sup></b>							
Employed/self-employed and/or student	49.3	[46.8, 51.8]	1,228	55.8	[53.3, 58.2]	1,332	6.5
Not employed/self-employed and/or student	50.7	[48.2, 53.2]	1,226	44.2	[41.8, 46.7]	1,137	
<b>Among respondents with a mental health condition and/or substance use disorder (DW)<sup>e</sup></b>							
Employed/self-employed and/or student	48.1	[45.2, 51.1]	842	54.2	[51.2, 57.1]	921	6.1
Not employed/self-employed and/or student	51.9	[48.9, 54.8]	896	45.8	[42.9, 48.8]	828	
<b>Among respondents with a mental health condition (DW)<sup>f</sup></b>							
Employed/self-employed and/or student	47.2	[44.2, 50.3]	751	52.8	[49.7, 55.9]	822	5.6
Not employed/self-employed and/or student	52.8	[49.7, 55.8]	821	47.2	[44.1, 50.3]	760	
<b>Among respondents with a substance use disorder (DW)<sup>g</sup></b>							
Employed/self-employed and/or student	38.0	[33.4, 42.9]	246	47.3	[42.4, 52.3]	284	9.3
Not employed/self-employed and/or student	62.0	[57.1, 66.6]	367	52.7	[47.7, 57.6]	332	

<sup>a</sup> Mixed effects logistic regression results,  $F(1, 3,085) = 29.90, p < 0.0001$ ; Employed/self-employed and/or student in 2017 OR = 1.83,  $p < 0.001$ , 95% CI (1.5, 2.3)

<sup>b</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 21.03, p < 0.0001$ ; Employed/self-employed and/or student in 2017 OR = 1.78,  $p < 0.001$ , 95% CI (1.4, 2.3)

<sup>c</sup> Mixed effects logistic regression results,  $F(1, 697) = 9.76, p = 0.0019$ ; Employed/self-employed and/or student in 2017 OR = 2.03,  $p = 0.002$ , 95% CI (1.3, 3.2)

<sup>d</sup> Mixed effects logistic regression results,  $F(1, 2,457) = 30.68, p < 0.0001$ ; Employed/self-employed and/or student in 2017 OR = 1.96,  $p < 0.001$ , 95% CI (1.5, 2.5)

<sup>e</sup> Mixed effects logistic regression results,  $F(1, 1,737) = 23.45, p < 0.0001$ ; Employed/self-employed and/or student in 2017 OR = 1.94,  $p < 0.001$ , 95% CI (1.5, 2.5)

<sup>f</sup> Mixed effects logistic regression results,  $F(1, 1,570) = 17.95, p < 0.0001$ ; Employed/self-employed and/or student in 2017 OR = 1.85,  $p < 0.001$ , 95% CI (1.4, 2.5)

<sup>g</sup> Mixed effects logistic regression results,  $F(1, 604) = 20.42, p < 0.0001$ ; Employed/self-employed and/or student in 2017 OR = 2.76,  $p < 0.001$ , 95% CI (1.8, 4.3)

### 0.3.3 Predictors of employment and/or student (change 2016-2017), among all respondents and respondents with a chronic condition

	Employed/self-employed and/or student			Employed/self-employed and/or student <sup>a</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	1.74	[1.386, 2.193]	0.000	1.87	[1.457, 2.412]	0.000
<b>Fair/poor health</b>						
No		Reference			Reference	
Yes	0.24	[0.173, 0.329]	0.000	0.27	[0.192, 0.379]	0.000
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.26	[0.162, 0.412]	0.000	0.31	[0.184, 0.539]	0.000
51-64	0.08	[0.045, 0.127]	0.000	0.08	[0.047, 0.152]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.84	[0.597, 1.190]	0.330	0.90	[0.614, 1.323]	0.594
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.74	[1.150, 2.641]	0.009	2.04	[1.286, 3.233]	0.002
Hispanic	2.86	[1.262, 6.500]	0.012	2.79	[1.043, 7.444]	0.041
Other, non-Hispanic	1.94	[1.002, 3.740]	0.049	1.84	[0.821, 4.132]	0.138
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	15.09	[9.261, 24.602]	0.000	16.33	[9.240, 28.874]	0.000
100%+	23.06	[13.370, 39.760]	0.000	28.90	[15.109, 55.264]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	3.17	[2.144, 4.700]	0.000	3.11	[1.999, 4.849]	0.000
Bachelor's/post graduate degree	4.82	[2.705, 8.593]	0.000	4.32	[2.221, 8.404]	0.000
<b>Constant</b>	0.97	[0.602, 1.549]	0.885	0.62	[0.352, 1.087]	0.095
<b>Respondent</b>	31289.33	[1066.437, 918031.058]	0.000	51847.64	[971.279, 2767668.155]	0.000
N	6,089			4,853		
F-value	21.487			17.223		
Model degrees of freedom	12.000			12.000		
Residual degrees of freedom	3,039.000			2,421.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a chronic condition

### 0.3.4 Interaction between employment and/or student (change 2016-2017) and improved health (from 2016-2017), among all respondents

	Employed/self-employed and/or student*			Employed/self-employed and/or student		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	1.75	[1.364, 2.255]	0.000	1.84	[1.461, 2.320]	0.000
<b>Improved health (from 2016-2017)</b>						
No		Reference			Reference	
Yes	0.93	[0.476, 1.809]	0.826	1.16	[0.649, 2.082]	0.613
<b>Survey year*Improved health (from 2016-2017)</b>						
2017 × Yes	1.59	[0.893, 2.820]	0.116			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.19	[0.119, 0.312]	0.000	0.19	[0.120, 0.313]	0.000
51-64	0.05	[0.030, 0.093]	0.000	0.05	[0.030, 0.093]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.84	[0.598, 1.189]	0.330	0.84	[0.599, 1.190]	0.333
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.89	[1.250, 2.870]	0.003	1.89	[1.250, 2.865]	0.003
Hispanic	3.08	[1.341, 7.055]	0.008	3.07	[1.339, 7.032]	0.008
Other, non-Hispanic	2.06	[1.058, 4.003]	0.034	2.05	[1.057, 3.993]	0.034
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	20.31	[11.633, 35.448]	0.000	20.14	[11.570, 35.072]	0.000
100%+	33.48	[18.052, 62.078]	0.000	33.18	[17.947, 61.353]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	3.87	[2.567, 5.846]	0.000	3.86	[2.562, 5.824]	0.000
Bachelor's/post graduate degree	6.40	[3.574, 11.474]	0.000	6.38	[3.563, 11.419]	0.000
<b>Constant</b>	0.60	[0.376, 0.970]	0.037	0.59	[0.368, 0.946]	0.029
<b>Respondent</b>	263768.01	[2220.322, 31334903.825]	0.000	242794.94	[2158.958, 27304558.334]	0.000
N	6,089			6,089		
F-value	14.097			15.054		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	3,039.000			3,039.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**0.3.5 Interaction between employment and/or student (change 2016-2017) and improved health (from 2016-2017), among respondents with a chronic condition**

	Employed/self-employed and/or student <sup>a*</sup>			Employed/self-employed and/or student <sup>a</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	1.90	[1.433, 2.511]	0.000	1.98	[1.535, 2.551]	0.000
<b>Improved health (from 2016-2017)</b>						
No		Reference			Reference	
Yes	1.16	[0.555, 2.409]	0.698	1.37	[0.720, 2.608]	0.337
<b>Survey year*Improved health (from 2016-2017)</b>						
2017 × Yes	1.41	[0.761, 2.615]	0.274			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.25	[0.143, 0.423]	0.000	0.25	[0.143, 0.423]	0.000
51-64	0.06	[0.034, 0.120]	0.000	0.06	[0.034, 0.120]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.91	[0.625, 1.336]	0.642	0.91	[0.626, 1.337]	0.645
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	2.31	[1.451, 3.662]	0.000	2.30	[1.451, 3.658]	0.000
Hispanic	3.11	[1.141, 8.492]	0.027	3.11	[1.140, 8.474]	0.027
Other, non-Hispanic	1.96	[0.861, 4.460]	0.109	1.96	[0.861, 4.457]	0.109
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	21.79	[11.396, 41.647]	0.000	21.66	[11.359, 41.298]	0.000
100%+	41.82	[20.020, 87.371]	0.000	41.56	[19.956, 86.570]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	3.76	[2.367, 5.987]	0.000	3.76	[2.364, 5.973]	0.000
Bachelor's/post graduate degree	5.43	[2.833, 10.395]	0.000	5.42	[2.830, 10.377]	0.000
<b>Constant</b>	0.35	[0.197, 0.608]	0.000	0.34	[0.194, 0.595]	0.000
<b>Respondent</b>	351137.82	[1540.919, 80015742.266]	0.000	331460.21	[1524.273, 72077539.000]	0.000
N	4,853			4,853		
F-value	11.369			12.169		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	2,421.000			2,421.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a chronic condition

\* Includes interaction term

**0.3.6 Predictors of employment and/or student (change 2016-2017), among respondents with a mental health condition and/or substance use disorder, respondents with a mental health condition, and respondents with a substance use disorder**

	Employed/self-employed and/or student <sup>a</sup>			Employed/self-employed and/or student <sup>b</sup>			Employed/self-employed and/or student <sup>c</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>									
2016		Reference			Reference			Reference	
2017	1.84	[1.376, 2.455]	0.000	1.73	[1.276, 2.349]	0.000	2.67	[1.655, 4.318]	0.000
<b>Fair/poor health</b>									
No		Reference			Reference			Reference	
Yes	0.19	[0.129, 0.295]	0.000	0.21	[0.136, 0.321]	0.000	0.11	[0.055, 0.215]	0.000
<b>Age (DW)</b>									
19-34		Reference			Reference			Reference	
35-50	0.21	[0.110, 0.385]	0.000	0.18	[0.093, 0.345]	0.000	0.33	[0.125, 0.862]	0.024
51-64	0.08	[0.039, 0.163]	0.000	0.08	[0.036, 0.163]	0.000	0.16	[0.058, 0.447]	0.000
<b>Gender (DW)</b>									
Male		Reference			Reference			Reference	
Female	1.38	[0.865, 2.208]	0.176	1.52	[0.926, 2.503]	0.097	1.68	[0.785, 3.612]	0.181
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic		Reference			Reference			Reference	
Black, non-Hispanic	1.59	[0.861, 2.933]	0.138	1.14	[0.595, 2.171]	0.699	1.87	[0.742, 4.728]	0.184
Hispanic	3.93	[1.326, 11.641]	0.014	3.66	[1.172, 11.460]	0.026	2.35	[0.351, 15.817]	0.377
Other, non-Hispanic	1.49	[0.619, 3.606]	0.371	1.75	[0.676, 4.520]	0.249	1.59	[0.465, 5.431]	0.460
<b>FPL category (DW)</b>									
0-35%		Reference			Reference			Reference	
36-99%	13.99	[7.180, 27.252]	0.000	13.68	[6.888, 27.168]	0.000	13.63	[4.675, 39.746]	0.000
100%+	19.32	[9.235, 40.400]	0.000	20.59	[9.536, 44.438]	0.000	12.16	[3.844, 38.442]	0.000
<b>Highest level of education (2017)</b>									
High school or less		Reference			Reference			Reference	
Associate's degree/some college	3.03	[1.796, 5.117]	0.000	3.96	[2.267, 6.927]	0.000	1.91	[0.888, 4.093]	0.098
Bachelor's/post graduate degree	3.97	[1.780, 8.844]	0.001	4.92	[2.107, 11.475]	0.000	6.78	[1.494, 30.734]	0.013
<b>Constant</b>	0.66	[0.344, 1.266]	0.211	0.51	[0.255, 1.018]	0.056	0.37	[0.125, 1.070]	0.066
<b>Respondent</b>	84713.92	[661.022, 10856587.675]	0.000	55543.31	[406.095, 7596896.091]	0.000	8831.20	[29.864, 2611540.353]	0.002
N	3,441			3,116			1,206		
F-value	12.162			11.387			5.792		
Model degrees of freedom	12.000			12.000			12.000		
Residual degrees of freedom	1,713.000			1,550.000			592.000		
F-value significance	0.000			0.000			0.000		

**Notes:** Mixed effects logistic regression. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a mental health condition and/or substance use disorder

<sup>b</sup> Analysis restricted to those with a mental health condition

<sup>c</sup> Analysis restricted to those with a substance use disorder

**0.3.7 Interaction between employment and/or student (change 2016-2017) and improved health (from 2016-2017), among respondents with a mental health condition and/or substance use disorder**

	Employed/self-employed and/or student <sup>a*</sup>			Employed/self-employed and/or student <sup>a</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	1.88	[1.372, 2.583]	0.000	1.99	[1.487, 2.650]	0.000
<b>Improved health (from 2016-2017)</b>						
No		Reference			Reference	
Yes	1.08	[0.467, 2.500]	0.856	1.34	[0.639, 2.818]	0.437
<b>Survey year*Improved health (from 2016-2017)</b>						
2017 × Yes	1.55	[0.728, 3.306]	0.255			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.14	[0.072, 0.287]	0.000	0.14	[0.073, 0.288]	0.000
51-64	0.05	[0.020, 0.111]	0.000	0.05	[0.020, 0.111]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.48	[0.924, 2.357]	0.104	1.47	[0.923, 2.352]	0.104
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.63	[0.895, 2.972]	0.110	1.63	[0.895, 2.966]	0.110
Hispanic	4.27	[1.407, 12.945]	0.010	4.26	[1.406, 12.882]	0.010
Other, non-Hispanic	1.52	[0.632, 3.669]	0.348	1.52	[0.631, 3.661]	0.350
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	21.87	[9.449, 50.602]	0.000	21.67	[9.411, 49.916]	0.000
100%+	35.24	[14.016, 88.618]	0.000	34.89	[13.956, 87.239]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	4.02	[2.273, 7.105]	0.000	4.00	[2.267, 7.062]	0.000
Bachelor's/post graduate degree	5.67	[2.473, 12.991]	0.000	5.65	[2.465, 12.951]	0.000
<b>Constant</b>	0.30	[0.155, 0.593]	0.000	0.30	[0.152, 0.578]	0.000
<b>Respondent</b>	3196084.71	[752.351, 1.358e+10]	0.000	2886767.51	[753.340, 1.106e+10]	0.000
N	3,441			3,441		
F-value	6.882			7.335		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	1,713.000			1,713.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a mental health condition and/or substance use disorder

\* Includes interaction term

**0.3.8 Interaction between employment and/or student (change 2016-2017) and improved health (from 2016-2017), among respondents with a mental health condition**

	Employed/self-employed and/or student <sup>a*</sup>			Employed/self-employed and/or student <sup>a</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	1.79	[1.285, 2.506]	0.001	1.88	[1.387, 2.559]	0.000
<b>Improved health (from 2016-2017)</b>						
No		Reference			Reference	
Yes	1.04	[0.419, 2.579]	0.933	1.27	[0.567, 2.860]	0.559
<b>Survey year*Improved health (from 2016-2017)</b>						
2017 × Yes	1.50	[0.670, 3.357]	0.324			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.13	[0.064, 0.263]	0.000	0.13	[0.064, 0.264]	0.000
51-64	0.05	[0.020, 0.113]	0.000	0.05	[0.020, 0.113]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.66	[1.006, 2.726]	0.047	1.65	[1.006, 2.721]	0.047
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.05	[0.567, 1.961]	0.868	1.05	[0.567, 1.961]	0.867
Hispanic	3.76	[1.173, 12.042]	0.026	3.75	[1.172, 12.003]	0.026
Other, non-Hispanic	1.76	[0.676, 4.565]	0.247	1.75	[0.675, 4.556]	0.249
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	20.94	[8.997, 48.717]	0.000	20.79	[8.965, 48.223]	0.000
100%+	36.22	[14.212, 92.288]	0.000	35.93	[14.157, 91.177]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	5.34	[2.879, 9.893]	0.000	5.32	[2.872, 9.838]	0.000
Bachelor's/post graduate degree	7.06	[2.913, 17.113]	0.000	7.04	[2.903, 17.060]	0.000
<b>Constant</b>	0.23	[0.112, 0.472]	0.000	0.23	[0.110, 0.461]	0.000
<b>Respondent</b>	1397652.62	[443.435, 4.405e+09]	0.001	1291447.98	[442.174, 3.772e+09]	0.001
N	3,116			3,116		
F-value	6.481			6.912		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	1,550.000			1,550.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a mental health condition

\* Includes interaction term

**0.3.9 Interaction between employment and/or student (change 2016-2017) and improved health (from 2016-2017), among respondents with a substance use disorder**

	Employed/self-employed and/or student <sup>d*</sup>			Employed/self-employed and/or student <sup>d</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	2.60	[1.550, 4.361]	0.000	2.81	[1.754, 4.495]	0.000
<b>Improved health (from 2016-2017)</b>						
No		Reference			Reference	
Yes	0.34	[0.084, 1.369]	0.128	0.51	[0.173, 1.489]	0.217
<b>Survey year*Improved health (from 2016-2017)</b>						
2017 × Yes	2.02	[0.599, 6.845]	0.256			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.21	[0.067, 0.634]	0.006	0.21	[0.069, 0.633]	0.006
51-64	0.07	[0.021, 0.269]	0.000	0.08	[0.021, 0.270]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.70	[0.772, 3.748]	0.187	1.69	[0.770, 3.720]	0.190
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	2.42	[0.923, 6.349]	0.072	2.41	[0.924, 6.303]	0.072
Hispanic	3.27	[0.453, 23.651]	0.240	3.27	[0.460, 23.189]	0.236
Other, non-Hispanic	2.79	[0.790, 9.822]	0.111	2.79	[0.800, 9.742]	0.107
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	23.15	[6.000, 89.298]	0.000	22.62	[6.005, 85.213]	0.000
100%+	23.45	[5.533, 99.383]	0.000	22.92	[5.549, 94.638]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	2.54	[1.108, 5.831]	0.028	2.52	[1.105, 5.769]	0.028
Bachelor's/post graduate degree	13.45	[2.618, 69.054]	0.002	13.27	[2.595, 67.880]	0.002
<b>Constant</b>	0.14	[0.043, 0.474]	0.001	0.14	[0.042, 0.459]	0.001
<b>Respondent</b>	674993.86	[12.024, 3.789e+10]	0.016	537962.40	[14.223, 2.035e+10]	0.014
N	1,206			1,206		
F-value	3.447			3.708		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	592.000			592.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a substance use disorder

\* Includes interaction term

**0.3.10 Employment and/or student (2016, 2017, change 2016-2017), among all respondents and various subgroups who reported improved oral health in 2016 or 2017**

	Employed/self-employed and/or student						Delta Percent
	Percent	2016 95%CI	N	Percent	2017 95%CI	N	
<b>Among all respondents who experienced improved oral health in either 2016 or 2017</b>							
Employed/self-employed and/or student	54.4	[51.2, 57.6]	812	61.1	[58.0, 64.2]	881	6.7
Not employed/self-employed and/or student	45.6	[42.4, 48.8]	673	38.9	[35.8, 42.0]	613	
<b>Among respondents with a chronic condition (2016 or 2017 survey and/or DW) who experienced improved oral health in either 2016 or 2017</b>							
Employed/self-employed and/or student	49.2	[45.6, 52.9]	589	56.6	[53.0, 60.1]	646	7.2
Not employed/self-employed and/or student	50.8	[47.1, 54.4]	600	43.4	[39.9, 47.0]	551	
<b>Among respondents with a mental health condition and/or substance use disorder (DW) who experienced improved oral health in either 2016 or 2017</b>							
Employed/self-employed and/or student	49.3	[45.1, 53.5]	417	55.1	[50.9, 59.2]	457	5.3
Not employed/self-employed and/or student	50.7	[46.5, 54.9]	441	44.9	[40.8, 49.1]	408	
<b>Among respondents with a mental health condition (DW) who experienced improved oral health in either 2016 or 2017</b>							
Employed/self-employed and/or student	49.5	[45.1, 53.9]	377	54.1	[49.8, 58.5]	411	4.6
Not employed/self-employed and/or student	50.5	[46.1, 54.9]	405	45.9	[41.5, 50.2]	378	
<b>Among respondents with a substance use disorder (DW) who experienced improved oral health in either 2016 or 2017</b>							
Employed/self-employed and/or student	35.6	[29.3, 42.4]	110	44.3	[37.4, 51.3]	124	8.7
Not employed/self-employed and/or student	64.4	[57.6, 70.7]	183	55.7	[48.7, 62.6]	169	

**0.3.11 Interaction between employment and/or student (change 2016-2017) and improved oral health (2016 or 2017), among all respondents**

	Employed/self-employed and/or student*			Employed/self-employed and/or student		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	1.66	[1.200, 2.287]	0.002	1.84	[1.461, 2.320]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.13	[0.758, 1.690]	0.544	1.26	[0.896, 1.766]	0.185
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	1.24	[0.782, 1.975]	0.358			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.20	[0.121, 0.316]	0.000	0.20	[0.121, 0.317]	0.000
51-64	0.05	[0.030, 0.094]	0.000	0.05	[0.030, 0.094]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.84	[0.595, 1.184]	0.318	0.84	[0.594, 1.184]	0.317
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.85	[1.222, 2.803]	0.004	1.85	[1.222, 2.800]	0.004
Hispanic	3.09	[1.346, 7.096]	0.008	3.09	[1.346, 7.086]	0.008
Other, non-Hispanic	2.03	[1.049, 3.942]	0.036	2.03	[1.047, 3.938]	0.036
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	20.07	[11.538, 34.896]	0.000	19.98	[11.498, 34.736]	0.000
100%+	33.55	[18.147, 62.029]	0.000	33.42	[18.082, 61.765]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	3.86	[2.562, 5.817]	0.000	3.86	[2.560, 5.809]	0.000
Bachelor's/post graduate degree	6.46	[3.600, 11.605]	0.000	6.45	[3.594, 11.588]	0.000
<b>Constant</b>	0.57	[0.340, 0.946]	0.030	0.54	[0.326, 0.892]	0.016
<b>Respondent</b>	247652.67	[2194.097, 27953111.753]	0.000	238306.91	[2145.259, 26472412.939]	0.000
N	6,089			6,089		
F-value	14.024			15.083		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	3,039.000			3,039.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**0.3.12 Interaction between employment and/or student (change 2016-2017) and improved oral health (2016 or 2017), among respondents with a chronic condition**

	Employed/self-employed and/or student*			Employed/self-employed and/or student		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	1.84	[1.299, 2.610]	0.001	1.98	[1.535, 2.551]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.06	[0.672, 1.661]	0.812	1.14	[0.780, 1.653]	0.508
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	1.16	[0.689, 1.939]	0.583			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.25	[0.144, 0.429]	0.000	0.25	[0.144, 0.429]	0.000
51-64	0.06	[0.034, 0.121]	0.000	0.06	[0.034, 0.121]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.91	[0.624, 1.338]	0.643	0.91	[0.624, 1.337]	0.642
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	2.26	[1.425, 3.591]	0.001	2.26	[1.425, 3.589]	0.001
Hispanic	3.13	[1.148, 8.535]	0.026	3.13	[1.149, 8.538]	0.026
Other, non-Hispanic	1.93	[0.851, 4.356]	0.116	1.92	[0.851, 4.353]	0.116
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	21.58	[11.315, 41.143]	0.000	21.55	[11.307, 41.085]	0.000
100%+	41.58	[19.977, 86.557]	0.000	41.55	[19.965, 86.454]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	3.73	[2.351, 5.923]	0.000	3.73	[2.351, 5.923]	0.000
Bachelor's/post graduate degree	5.41	[2.812, 10.391]	0.000	5.41	[2.811, 10.395]	0.000
<b>Constant</b>	0.35	[0.188, 0.636]	0.001	0.33	[0.184, 0.608]	0.000
<b>Respondent</b>	336581.43	[1532.888, 73904354.636]	0.000	332785.94	[1525.947, 72575590.526]	0.000
N	4,853			4,853		
F-value	11.230			12.179		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	2,421.000			2,421.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**0.3.13 Interaction between employment and/or student (change 2016-2017) and improved oral health (2016 or 2017), among respondents with a mental health condition and/or substance use disorder**

	Employed/self-employed and/or student*			Employed/self-employed and/or student		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	2.07	[1.381, 3.114]	0.000	1.99	[1.487, 2.650]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.30	[0.773, 2.202]	0.319	1.25	[0.795, 1.959]	0.336
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	0.91	[0.510, 1.642]	0.765			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.15	[0.073, 0.290]	0.000	0.15	[0.073, 0.290]	0.000
51-64	0.05	[0.020, 0.111]	0.000	0.05	[0.020, 0.111]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.48	[0.928, 2.367]	0.099	1.48	[0.928, 2.368]	0.099
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.59	[0.873, 2.895]	0.129	1.59	[0.873, 2.895]	0.129
Hispanic	4.26	[1.403, 12.924]	0.011	4.26	[1.402, 12.927]	0.011
Other, non-Hispanic	1.53	[0.635, 3.697]	0.342	1.53	[0.635, 3.696]	0.342
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	21.27	[9.267, 48.838]	0.000	21.26	[9.262, 48.814]	0.000
100%+	34.95	[13.997, 87.247]	0.000	34.92	[13.989, 87.181]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	3.94	[2.241, 6.934]	0.000	3.94	[2.240, 6.934]	0.000
Bachelor's/post graduate degree	5.63	[2.459, 12.888]	0.000	5.63	[2.458, 12.875]	0.000
<b>Constant</b>	0.27	[0.132, 0.565]	0.000	0.28	[0.136, 0.572]	0.000
<b>Respondent</b>	2862133.35	[756.513, 1.083e+10]	0.000	2851251.35	[752.804, 1.080e+10]	0.000
N	3,441			3,441		
F-value	6.805			7.338		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	1,713.000			1,713.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**0.3.14 Interaction between employment and/or student (change 2016-2017) and improved oral health (2016 or 2017), among respondents with a mental health condition**

	Employed/self-employed and/or student*			Employed/self-employed and/or student		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	2.14	[1.377, 3.313]	0.001	1.88	[1.387, 2.557]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.60	[0.922, 2.769]	0.095	1.40	[0.874, 2.253]	0.161
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	0.77	[0.421, 1.421]	0.408			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.13	[0.065, 0.267]	0.000	0.13	[0.065, 0.267]	0.000
51-64	0.05	[0.020, 0.113]	0.000	0.05	[0.020, 0.113]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.65	[1.005, 2.723]	0.048	1.65	[1.006, 2.721]	0.048
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.01	[0.545, 1.876]	0.973	1.01	[0.545, 1.877]	0.972
Hispanic	3.72	[1.164, 11.919]	0.027	3.72	[1.162, 11.912]	0.027
Other, non-Hispanic	1.77	[0.676, 4.621]	0.245	1.77	[0.677, 4.612]	0.245
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	20.32	[8.810, 46.863]	0.000	20.23	[8.775, 46.629]	0.000
100%+	36.07	[14.263, 91.208]	0.000	35.89	[14.204, 90.681]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	5.25	[2.848, 9.668]	0.000	5.24	[2.841, 9.648]	0.000
Bachelor's/post graduate degree	7.04	[2.917, 17.010]	0.000	7.02	[2.909, 16.925]	0.000
<b>Constant</b>	0.19	[0.087, 0.407]	0.000	0.20	[0.093, 0.430]	0.000
<b>Respondent</b>	1284200.07	[454.660, 3.627e+09]	0.001	1234385.88	[442.795, 3.441e+09]	0.001
N	3,116			3,116		
F-value	6.490			6.927		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	1,550.000			1,550.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**0.3.15 Interaction between employment and/or student (change 2016-2017) and improved oral health (2016 or 2017), among respondents with a substance use disorder**

	Employed/self-employed and/or student*			Employed/self-employed and/or student		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	3.18	[1.689, 5.993]	0.000	2.81	[1.754, 4.494]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	0.59	[0.240, 1.468]	0.259	0.52	[0.239, 1.117]	0.093
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	0.77	[0.281, 2.092]	0.604			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.20	[0.067, 0.607]	0.004	0.20	[0.067, 0.609]	0.005
51-64	0.08	[0.021, 0.267]	0.000	0.08	[0.022, 0.268]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.58	[0.720, 3.475]	0.253	1.58	[0.721, 3.467]	0.252
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	2.59	[0.990, 6.779]	0.052	2.58	[0.989, 6.748]	0.053
Hispanic	3.05	[0.436, 21.305]	0.261	3.02	[0.431, 21.173]	0.265
Other, non-Hispanic	2.49	[0.708, 8.736]	0.155	2.47	[0.708, 8.643]	0.155
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	23.45	[6.170, 89.129]	0.000	23.21	[6.162, 87.447]	0.000
100%+	22.62	[5.428, 94.231]	0.000	22.35	[5.416, 92.280]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	2.61	[1.144, 5.956]	0.023	2.60	[1.142, 5.922]	0.023
Bachelor's/post graduate degree	13.16	[2.566, 67.510]	0.002	13.02	[2.556, 66.298]	0.002
<b>Constant</b>	0.16	[0.044, 0.613]	0.007	0.18	[0.050, 0.632]	0.008
<b>Respondent</b>	552062.76	[14.464, 2.107e+10]	0.014	495734.77	[14.645, 1.678e+10]	0.014
N	1,206			1,206		
F-value	3.517			3.759		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	592.000			592.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

## 0.4 Employment (change 2016-2017)

### 0.4.1 Employment (2016, 2017, change 2016-2017) by follow-up group and demographic characteristics (2017), among all respondents

	Employed/self-employed								Delta Percent	
	Percent	2016 SE	95%CI	N	Percent	2017 SE	95%CI	N		
<b>Follow-up group</b>										
Still enrolled	47.5	0.01	[45.0, 50.1]	2,379	55.4	0.01	[52.9, 57.9]	2,385	7.9	
No longer enrolled	52.4	0.02	[47.8, 57.0]	709	62.9	0.02	[58.6, 67.3]	708	10.5	
<b>Age (DW)</b>										
19-34	56.9	0.02	[52.8, 60.9]	905	67.5	0.02	[63.6, 71.3]	907	10.6	
35-50	48.6	0.02	[44.7, 52.5]	966	56.8	0.02	[52.9, 60.7]	968	8.2	
51-64	38.1	0.02	[34.8, 41.3]	1,217	43.9	0.02	[40.5, 47.3]	1,218	5.8	
<b>Gender (DW)</b>										
Male	45.6	0.02	[42.0, 49.1]	1,226	56.6	0.02	[53.2, 60.1]	1,229	11.0	
Female	51.5	0.01	[48.6, 54.3]	1,862	57.6	0.01	[54.8, 60.4]	1,864	6.1	
<b>Race/ethnicity (2016)</b>										
White, non-Hispanic	49.0	0.01	[46.2, 51.7]	2,055	54.9	0.01	[52.2, 57.7]	2,058	5.9	
Black, non-Hispanic	46.0	0.02	[41.2, 50.8]	631	58.6	0.02	[53.8, 63.3]	630	12.6	
Hispanic	61.9	0.05	[52.1, 71.7]	138	71.1	0.04	[62.7, 79.4]	138	9.2	
Other, non-Hispanic	50.0	0.04	[41.9, 58.1]	228	61.8	0.04	[54.0, 69.5]	228	11.8	
<b>FPL category (DW)</b>										
0-35%	31.9	0.02	[28.4, 35.4]	1,212	43.9	0.02	[40.3, 47.5]	1,216	12.0	
36-99%	65.7	0.02	[62.4, 69.0]	1,082	70.8	0.02	[67.8, 73.9]	1,082	5.1	
100%+	68.9	0.02	[65.1, 72.7]	794	72.8	0.02	[69.3, 76.3]	795	3.9	
<b>Region (DW)</b>										
UP/NW/NE	52.3	0.02	[47.8, 56.7]	574	56.2	0.02	[51.7, 60.6]	574	3.9	
W/E Central/E	45.7	0.02	[42.3, 49.1]	975	54.9	0.02	[51.4, 58.4]	979	9.2	
S Central/SW/SE	51.7	0.02	[47.3, 56.0]	633	60.1	0.02	[55.8, 64.4]	633	8.4	
Detroit Metro	48.7	0.02	[44.7, 52.7]	906	57.6	0.02	[53.7, 61.6]	907	8.9	

**Notes:** Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no).

#### 0.4.2 Employment (2016, 2017, change 2016-2017), among all respondents and various subgroups

	Percent	Employed/self-employed				N	Delta Percent
		2016 95%CI	Percent	2017 95%CI	Percent		
<b>All respondents<sup>a</sup></b>							
Employed/self-employed	48.7	[46.5, 50.9]	1,555	57.1	[55.0, 59.3]	1,742	8.4
Not employed/self-employed	51.3	[49.1, 53.5]	1,533	42.9	[40.7, 45.0]	1,351	
<b>Among respondents still enrolled<sup>b</sup></b>							
Employed/self-employed	47.5	[45.0, 50.1]	1,181	55.4	[52.8, 57.9]	1,319	7.9
Not employed/self-employed	52.5	[49.9, 55.0]	1,198	44.6	[42.1, 47.2]	1,066	
<b>Among respondents no longer enrolled<sup>c</sup></b>							
Employed/self-employed	52.4	[47.8, 57.0]	374	62.9	[58.5, 67.2]	423	10.6
Not employed/self-employed	47.6	[43.0, 52.2]	335	37.1	[32.8, 41.5]	285	
<b>Among respondents with a chronic condition (2016 or 2017 survey and/or DW)<sup>d</sup></b>							
Employed/self-employed	45.6	[43.2, 48.1]	1,161	53.1	[50.6, 55.6]	1,280	7.5
Not employed/self-employed	54.4	[51.9, 56.8]	1,300	46.9	[44.4, 49.4]	1,187	
<b>Among respondents with a mental health condition and/or substance use disorder (DW)<sup>e</sup></b>							
Employed/self-employed	42.8	[40.0, 45.8]	777	50.5	[47.5, 53.4]	875	7.7
Not employed/self-employed	57.2	[54.2, 60.0]	967	49.5	[46.6, 52.5]	873	
<b>Among respondents with a mental health condition (DW)<sup>f</sup></b>							
Employed/self-employed	41.6	[38.6, 44.7]	688	48.8	[45.7, 51.9]	778	7.2
Not employed/self-employed	58.4	[55.3, 61.4]	889	51.2	[48.1, 54.3]	803	
<b>Among respondents with a substance use disorder (DW)<sup>g</sup></b>							
Employed/self-employed	34.2	[29.8, 38.9]	231	45.1	[40.2, 50.1]	272	10.9
Not Employed/self-employed	65.8	[61.1, 70.2]	384	54.9	[49.9, 59.8]	344	

**Notes:** Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no).

<sup>a</sup> Mixed effects logistic regression results,  $F(1, 3,085) = 52.2, p < 0.0001$ ; Employed/self-employed in 2017 OR = 2.22,  $p < 0.001$ , 95% CI (1.8, 2.8)

<sup>b</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 33.15, p < 0.0001$ ; Employed/self-employed in 2017 OR = 2.10,  $p < 0.001$ , 95% CI (1.6, 2.7)

<sup>c</sup> Mixed effects logistic regression results,  $F(1, 697) = 21.71, p < 0.0001$ ; Employed/self-employed in 2017 OR = 2.68,  $p < 0.001$ , 95% CI (1.8, 4.1)

<sup>d</sup> Mixed effects logistic regression results,  $F(1, 2,457) = 35.04, p < 0.0001$ ; Employed/self-employed in 2017 OR = 2.09,  $p < 0.001$ , 95% CI (1.6, 2.7)

<sup>e</sup> Mixed effects logistic regression results,  $F(1, 1,737) = 27.69, p < 0.0001$ ; Employed/self-employed in 2017 OR = 2.13,  $p < 0.001$ , 95% CI (1.6, 2.8)

<sup>f</sup> Mixed effects logistic regression results,  $F(1, 1,570) = 21.63, p < 0.0001$ ; Employed/self-employed in 2017 OR = 2.03,  $p < 0.001$ , 95% CI (1.5, 2.7)

<sup>g</sup> Mixed effects logistic regression results,  $F(1, 604) = 25.03, p < 0.0001$ ; Employed/self-employed in 2017 OR = 3.14,  $p < 0.001$ , 95% CI (2.0, 4.9)

### 0.4.3 Predictors of employment (change 2016-2017), among all respondents and respondents with a chronic condition

	Employed/self-employed			Employed/self-employed <sup>a</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	2.13	[1.700, 2.672]	0.000	2.01	[1.556, 2.595]	0.000
<b>Fair/poor health</b>						
No		Reference			Reference	
Yes	0.25	[0.188, 0.345]	0.000	0.27	[0.190, 0.370]	0.000
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.68	[0.448, 1.028]	0.068	0.70	[0.422, 1.162]	0.168
51-64	0.21	[0.139, 0.324]	0.000	0.20	[0.118, 0.334]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.86	[0.620, 1.197]	0.374	0.88	[0.597, 1.286]	0.499
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.56	[1.054, 2.309]	0.026	1.83	[1.168, 2.879]	0.008
Hispanic	2.86	[1.339, 6.118]	0.007	2.83	[1.157, 6.927]	0.023
Other, non-Hispanic	1.31	[0.697, 2.470]	0.400	1.76	[0.806, 3.825]	0.157
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	14.78	[9.324, 23.440]	0.000	16.55	[9.438, 29.026]	0.000
100%+	16.87	[10.175, 27.975]	0.000	20.85	[11.118, 39.115]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.54	[1.078, 2.199]	0.018	1.70	[1.118, 2.573]	0.013
Bachelor's/post graduate degree	2.22	[1.306, 3.765]	0.003	2.36	[1.252, 4.436]	0.008
<b>Constant</b>	0.45	[0.279, 0.720]	0.001	0.35	[0.193, 0.619]	0.000
<b>Respondent</b>	3348.90	[324.582, 34552.510]	0.000	17144.52	[587.219, 500553.973]	0.000
N	6,092			4,858		
F-value	22.439			16.322		
Model degrees of freedom	12.000			12.000		
Residual degrees of freedom	3,039.000			2,421.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Variables are from both survey years unless otherwise noted. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no).

<sup>a</sup> Analysis restricted to those with a chronic condition

**0.4.4 Interaction between employment (change 2016-2017) and improved health (from 2016-2017), among all respondents and respondents with a chronic condition**

	Employed/self-employed*			Employed/self-employed			Employed/self-employed**			Employed/self-employed <sup>a</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>												
2016		Reference			Reference			Reference			Reference	
2017	2.18	[1.704, 2.793]	0.000	2.24	[1.786, 2.813]	0.000	2.02	[1.524, 2.684]	0.000	2.12	[1.637, 2.736]	0.000
<b>Improved health (from 2016-2017)</b>												
No		Reference			Reference			Reference			Reference	
Yes	0.97	[0.489, 1.921]	0.929	1.10	[0.603, 2.022]	0.749	1.19	[0.560, 2.528]	0.651	1.44	[0.745, 2.771]	0.279
<b>Survey year*Improved health (from 2016-2017)</b>												
2017 × Yes	1.30	[0.770, 2.187]	0.327				1.46	[0.805, 2.646]	0.212			
<b>Age (DW)</b>												
19-34		Reference			Reference			Reference			Reference	
35-50	0.54	[0.356, 0.820]	0.004	0.54	[0.356, 0.820]	0.004	0.56	[0.341, 0.929]	0.024	0.56	[0.342, 0.928]	0.024
51-64	0.16	[0.104, 0.249]	0.000	0.16	[0.104, 0.249]	0.000	0.16	[0.092, 0.266]	0.000	0.16	[0.092, 0.267]	0.000
<b>Gender (DW)</b>												
Male		Reference			Reference			Reference			Reference	
Female	0.86	[0.620, 1.207]	0.394	0.87	[0.620, 1.208]	0.396	0.89	[0.606, 1.301]	0.541	0.89	[0.607, 1.302]	0.545
<b>Race/ethnicity (2016)</b>												
White, non-Hispanic		Reference			Reference			Reference			Reference	
Black, non-Hispanic	1.67	[1.117, 2.483]	0.012	1.67	[1.118, 2.482]	0.012	2.05	[1.298, 3.228]	0.002	2.05	[1.299, 3.225]	0.002
Hispanic	3.01	[1.394, 6.494]	0.005	3.00	[1.393, 6.481]	0.005	3.13	[1.266, 7.725]	0.013	3.12	[1.264, 7.693]	0.014
Other, non-Hispanic	1.35	[0.711, 2.578]	0.356	1.35	[0.711, 2.577]	0.356	1.85	[0.831, 4.113]	0.132	1.85	[0.832, 4.108]	0.132
<b>FPL category (DW)</b>												
0-35%		Reference			Reference			Reference			Reference	
36-99%	18.59	[11.237, 30.753]	0.000	18.52	[11.206, 30.621]	0.000	21.42	[11.452, 40.046]	0.000	21.26	[11.400, 39.645]	0.000
100%+	22.47	[13.019, 38.792]	0.000	22.39	[12.984, 38.624]	0.000	28.91	[14.460, 57.805]	0.000	28.70	[14.397, 57.198]	0.000
<b>Highest level of education (2017)</b>												
High school or less		Reference			Reference			Reference			Reference	
Associate's degree/some college	1.78	[1.237, 2.571]	0.002	1.78	[1.237, 2.570]	0.002	1.99	[1.303, 3.049]	0.001	1.99	[1.302, 3.046]	0.001
Bachelor's/post graduate degree	2.76	[1.621, 4.684]	0.000	2.75	[1.621, 4.681]	0.000	2.89	[1.570, 5.334]	0.001	2.89	[1.569, 5.329]	0.001
<b>Constant</b>	0.28	[0.173, 0.463]	0.000	0.28	[0.172, 0.457]	0.000	0.19	[0.105, 0.348]	0.000	0.19	[0.103, 0.340]	0.000
<b>Respondent</b>	11355.17	[650.583, 198191.289]	0.000	11048.69	[640.211, 190676.970]	0.000	73577.11	[1005.373, 5384658.620]	0.000	69247.02	[983.544, 4875380.960]	0.000
N	6,092			6,092			4,858			4,858		
F-value	16.078			17.007			11.161			11.809		
Model degrees of freedom	13.000			12.000			13.000			12.000		
Residual degrees of freedom	3,039.000			3,039.000			2,421.000			2,421.000		
F-value significance	0.000			0.000			0.000			0.000		

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**Notes:** Mixed effects logistic regression. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a chronic condition

\* Includes interaction term

**0.4.5 Predictors of employment (change 2016-2017), among respondents with a mental health condition and/or substance use disorder, respondents with a mental health condition, and respondents with a substance use disorder**

	Employed/self-employed <sup>a</sup>			Employed/self-employed <sup>b</sup>			Employed/self-employed <sup>c</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>									
2016		Reference			Reference			Reference	
2017	2.02	[1.505, 2.724]	0.000	1.91	[1.401, 2.618]	0.000	3.12	[1.915, 5.088]	0.000
<b>Fair/poor health</b>									
No		Reference			Reference			Reference	
Yes	0.21	[0.142, 0.311]	0.000	0.23	[0.152, 0.341]	0.000	0.11	[0.056, 0.225]	0.000
<b>Age (DW)</b>									
19-34		Reference			Reference			Reference	
35-50	0.55	[0.314, 0.965]	0.037	0.50	[0.280, 0.884]	0.017	0.57	[0.230, 1.422]	0.229
51-64	0.22	[0.118, 0.398]	0.000	0.21	[0.113, 0.401]	0.000	0.28	[0.112, 0.709]	0.007
<b>Gender (DW)</b>									
Male		Reference			Reference			Reference	
Female	1.20	[0.759, 1.885]	0.439	1.27	[0.789, 2.060]	0.321	1.40	[0.674, 2.897]	0.368
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic		Reference			Reference			Reference	
Black, non-Hispanic	1.36	[0.751, 2.460]	0.311	0.98	[0.527, 1.838]	0.959	1.93	[0.773, 4.813]	0.159
Hispanic	4.19	[1.398, 12.530]	0.011	3.80	[1.192, 12.123]	0.024	2.82	[0.435, 18.242]	0.276
Other, non-Hispanic	0.89	[0.369, 2.123]	0.785	0.95	[0.371, 2.416]	0.908	1.27	[0.394, 4.082]	0.690
<b>FPL category (DW)</b>									
0-35%		Reference			Reference			Reference	
36-99%	14.76	[7.902, 27.576]	0.000	14.14	[7.471, 26.776]	0.000	16.81	[5.823, 48.509]	0.000
100%+	14.59	[7.381, 28.834]	0.000	15.40	[7.588, 31.256]	0.000	11.62	[3.803, 35.514]	0.000
<b>Highest level of education (2017)</b>									
High school or less		Reference			Reference			Reference	
Associate's degree/some college	1.32	[0.822, 2.136]	0.248	1.66	[1.008, 2.733]	0.047	1.17	[0.569, 2.415]	0.667
Bachelor's/post graduate degree	1.93	[0.895, 4.140]	0.094	2.26	[1.017, 5.004]	0.045	2.19	[0.561, 8.526]	0.259
<b>Constant</b>	0.36	[0.189, 0.693]	0.002	0.30	[0.148, 0.590]	0.001	0.23	[0.079, 0.660]	0.006
<b>Respondent</b>	5508.09	[197.739, 153429.974]	0.000	3479.96	[124.695, 97117.548]	0.000	3214.30	[23.660, 436677.745]	0.001
N	3,446			3,120			1,208		
F-value	12.702			11.933			5.633		
Model degrees of freedom	12.000			12.000			12.000		
Residual degrees of freedom	1,713.000			1,550.000			592.000		
F-value significance	0.000			0.000			0.000		

**Notes:** Mixed effects logistic regression. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a mental health condition and/or substance use disorder

<sup>b</sup> Analysis restricted to those with a mental health condition

<sup>c</sup> Analysis restricted to those with a substance use disorder

**0.4.6 Interaction between employment (change 2016-2017) and improved health (from 2016-2017), among respondents with a mental health condition and/or substance use disorder and respondents with a mental health condition**

	Employed/self-employed <sup>a*</sup>			Employed/self-employed <sup>a</sup>			Employed/self-employed <sup>b*</sup>			Employed/self-employed <sup>b</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>												
2016		Reference			Reference			Reference			Reference	
2017	2.05	[1.482, 2.828]	0.000	2.17	[1.617, 2.920]	0.000	1.95	[1.384, 2.738]	0.000	2.07	[1.512, 2.825]	0.000
<b>Improved health (from 2016-2017)</b>												
No		Reference			Reference			Reference			Reference	
Yes	1.01	[0.416, 2.463]	0.979	1.31	[0.607, 2.814]	0.493	0.97	[0.373, 2.542]	0.956	1.26	[0.551, 2.889]	0.581
<b>Survey year*Improved health (from 2016-2017)</b>												
2017 × Yes	1.66	[0.816, 3.368]	0.162				1.66	[0.781, 3.533]	0.187			
<b>Age (DW)</b>												
19-34		Reference			Reference			Reference			Reference	
35-50	0.43	[0.244, 0.760]	0.004	0.43	[0.245, 0.761]	0.004	0.40	[0.226, 0.713]	0.002	0.40	[0.227, 0.714]	0.002
51-64	0.15	[0.080, 0.282]	0.000	0.15	[0.080, 0.284]	0.000	0.15	[0.080, 0.291]	0.000	0.15	[0.080, 0.293]	0.000
<b>Gender (DW)</b>												
Male		Reference			Reference			Reference			Reference	
Female	1.25	[0.791, 1.989]	0.335	1.25	[0.792, 1.986]	0.335	1.36	[0.836, 2.206]	0.216	1.36	[0.837, 2.202]	0.216
<b>Race/ethnicity (2016)</b>												
White, non-Hispanic		Reference			Reference			Reference			Reference	
Black, non-Hispanic	1.36	[0.745, 2.484]	0.316	1.36	[0.746, 2.481]	0.315	0.91	[0.487, 1.700]	0.768	0.91	[0.489, 1.702]	0.772
Hispanic	4.42	[1.407, 13.868]	0.011	4.39	[1.403, 13.762]	0.011	3.83	[1.141, 12.855]	0.030	3.82	[1.140, 12.784]	0.030
Other, non-Hispanic	0.86	[0.357, 2.069]	0.735	0.86	[0.358, 2.065]	0.734	0.90	[0.352, 2.319]	0.832	0.90	[0.353, 2.313]	0.832
<b>FPL category (DW)</b>												
0-35%		Reference			Reference			Reference			Reference	
36-99%	20.47	[9.953, 42.090]	0.000	20.23	[9.881, 41.416]	0.000	19.26	[9.304, 39.855]	0.000	19.05	[9.239, 39.286]	0.000
100%+	22.79	[10.562, 49.170]	0.000	22.53	[10.488, 48.413]	0.000	23.25	[10.600, 51.020]	0.000	23.01	[10.524, 50.299]	0.000
<b>Highest level of education (2017)</b>												
High school or less		Reference			Reference			Reference			Reference	
Associate's degree/some college	1.60	[0.980, 2.616]	0.060	1.60	[0.979, 2.610]	0.061	2.03	[1.216, 3.391]	0.007	2.03	[1.214, 3.380]	0.007
Bachelor's/post graduate degree	2.52	[1.161, 5.480]	0.019	2.52	[1.159, 5.470]	0.020	2.96	[1.316, 6.655]	0.009	2.95	[1.313, 6.635]	0.009
<b>Constant</b>	0.18	[0.088, 0.353]	0.000	0.17	[0.086, 0.343]	0.000	0.14	[0.069, 0.301]	0.000	0.14	[0.067, 0.293]	0.000
<b>Respondent</b>	37975.13	[419.438, 3438193.610]	0.000	34536.18	[402.865, 2960667.219]	0.000	17876.67	[235.559, 1356667.548]	0.000	16437.85	[226.471, 1193099.500]	0.000
N	3,446			3,446			3,120			3,120		
F-value	8.424			8.815			7.966			8.326		
Model degrees of freedom	13.000			12.000			13.000			12.000		
Residual degrees of freedom	1,713.000			1,713.000			1,550.000			1,550.000		
F-value significance	0.000			0.000			0.000			0.000		

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**Notes:** Mixed effects logistic regression. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a mental health condition and/or substance use disorder

<sup>b</sup> Analysis restricted to those with a mental health condition

\* Includes interaction term

#### 0.4.7 Interaction between employment (change 2016-2017) and improved health (from 2016-2017), among respondents with a substance use disorder

	Employed/self-employed <sup>a*</sup>			Employed/self-employed <sup>a</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	3.08	[1.844, 5.144]	0.000	3.25	[2.027, 5.210]	0.000
<b>Improved health (from 2016-2017)</b>						
No		Reference			Reference	
Yes	0.35	[0.091, 1.379]	0.134	0.47	[0.167, 1.330]	0.155
<b>Survey year*Improved health (from 2016-2017)</b>						
2017 × Yes	1.63	[0.460, 5.803]	0.447			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.39	[0.144, 1.069]	0.067	0.39	[0.145, 1.067]	0.067
51-64	0.15	[0.050, 0.428]	0.000	0.15	[0.051, 0.429]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.37	[0.640, 2.929]	0.417	1.37	[0.639, 2.918]	0.421
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	2.39	[0.911, 6.286]	0.076	2.39	[0.913, 6.268]	0.076
Hispanic	3.87	[0.536, 27.987]	0.179	3.86	[0.541, 27.517]	0.177
Other, non-Hispanic	2.08	[0.588, 7.387]	0.255	2.09	[0.594, 7.370]	0.250
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	26.07	[7.210, 94.302]	0.000	25.78	[7.216, 92.066]	0.000
100%+	20.02	[5.283, 75.839]	0.000	19.82	[5.294, 74.227]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.47	[0.682, 3.156]	0.326	1.47	[0.682, 3.153]	0.327
Bachelor's/post graduate degree	3.67	[0.882, 15.312]	0.074	3.67	[0.878, 15.336]	0.075
<b>Constant</b>	0.09	[0.029, 0.314]	0.000	0.09	[0.028, 0.307]	0.000
<b>Respondent</b>	68719.56	[25.931, 1.821e+08]	0.006	62997.33	[27.644, 1.436e+08]	0.005
N	1,208			1,208		
F-value	3.927			4.278		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	592.000			592.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a substance use disorder

\* Includes interaction term

**0.4.8 Employment (2016, 2017, change 2016-2017), among all respondents and various subgroups who reported improved oral health in 2016 or 2017**

	Percent	2016 95%CI	Employed/self-employed		N	2017 95%CI	N	Delta Percent
			N	Percent				
<b>Among all respondents who experienced improved oral health in either 2016 or 2017</b>								
Employed/self-employed	49.9	[46.7, 53.1]	758	58.3		[55.1, 61.4]	845	8.4
Not employed/self-employed	50.1	[46.9, 53.3]	730	41.7		[38.6, 44.9]	647	
<b>Among respondents with a chronic condition (2016 or 2017 survey and/or DW) who experienced improved oral health in either 2016 or 2017</b>								
Employed/self-employed	45.7	[42.1, 49.4]	557	53.2		[49.6, 56.8]	616	7.5
Not employed/self-employed	54.3	[50.6, 57.9]	635	46.8		[43.2, 50.4]	581	
<b>Among respondents with a mental health condition and/or substance use disorder (DW) who experienced improved oral health in either 2016 or 2017</b>								
Employed/self-employed	45.3	[41.1, 49.5]	387	51.1		[46.9, 55.3]	431	5.8
Not employed/self-employed	54.7	[50.5, 58.9]	474	48.9		[44.7, 53.1]	434	
<b>Among respondents with a mental health condition (DW) who experienced improved oral health in either 2016 or 2017</b>								
Employed/self-employed	45.3	[41.0, 49.8]	348	50.0		[45.6, 54.3]	387	4.7
Not employed/self-employed	54.7	[50.2, 59.0]	437	50.0		[45.7, 54.4]	402	
<b>Among respondents with a substance use disorder (DW) who experienced improved oral health in either 2016 or 2017</b>								
Employed/self-employed	32.5	[26.5, 39.2]	102	41.4		[34.6, 48.5]	117	8.9
Not employed/self-employed	67.5	[60.8, 73.5]	191	58.6		[51.5, 65.4]	176	

**Notes:** Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no).

#### 0.4.9 Interaction between employment (change 2016-2017) and improved oral health (2016 or 2017), among all respondents

	Employed/self-employed*			Employed/self-employed		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	2.22	[1.615, 3.039]	0.000	2.24	[1.786, 2.813]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.35	[0.907, 2.001]	0.140	1.36	[0.981, 1.894]	0.065
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	1.02	[0.655, 1.603]	0.915			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.55	[0.359, 0.828]	0.004	0.55	[0.359, 0.828]	0.004
51-64	0.16	[0.104, 0.250]	0.000	0.16	[0.104, 0.250]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.86	[0.613, 1.197]	0.364	0.86	[0.613, 1.196]	0.364
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.62	[1.084, 2.409]	0.018	1.62	[1.084, 2.409]	0.018
Hispanic	3.02	[1.394, 6.545]	0.005	3.02	[1.395, 6.546]	0.005
Other, non-Hispanic	1.34	[0.708, 2.537]	0.369	1.34	[0.708, 2.537]	0.369
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	18.38	[11.130, 30.349]	0.000	18.38	[11.128, 30.342]	0.000
100%+	22.71	[13.178, 39.151]	0.000	22.71	[13.177, 39.141]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.79	[1.240, 2.570]	0.002	1.79	[1.240, 2.570]	0.002
Bachelor's/post graduate degree	2.81	[1.655, 4.784]	0.000	2.81	[1.655, 4.784]	0.000
<b>Constant</b>	0.25	[0.145, 0.420]	0.000	0.25	[0.146, 0.413]	0.000
<b>Respondent</b>	10807.63	[632.051, 184802.865]	0.000	10790.30	[631.398, 184401.291]	0.000
N	6,092			6,092		
F-value	15.790			17.111		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	3,039.000			3,039.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**0.4.10 Interaction between employment (change 2016-2017) and improved oral health (2016 or 2017), among respondents with a chronic condition**

	Employed/self-employed*			Employed/self-employed		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	2.12	[1.510, 2.972]	0.000	2.12	[1.637, 2.736]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.12	[0.708, 1.761]	0.636	1.12	[0.768, 1.619]	0.566
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	1.00	[0.596, 1.672]	0.995			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.57	[0.345, 0.944]	0.029	0.57	[0.345, 0.944]	0.029
51-64	0.16	[0.091, 0.267]	0.000	0.16	[0.091, 0.267]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.89	[0.604, 1.301]	0.539	0.89	[0.604, 1.302]	0.539
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	2.01	[1.278, 3.173]	0.003	2.01	[1.278, 3.173]	0.003
Hispanic	3.14	[1.271, 7.778]	0.013	3.14	[1.271, 7.778]	0.013
Other, non-Hispanic	1.82	[0.824, 4.021]	0.138	1.82	[0.824, 4.021]	0.138
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	21.15	[11.340, 39.442]	0.000	21.15	[11.339, 39.445]	0.000
100%+	28.73	[14.427, 57.233]	0.000	28.73	[14.425, 57.239]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.98	[1.295, 3.025]	0.002	1.98	[1.295, 3.024]	0.002
Bachelor's/post graduate degree	2.87	[1.550, 5.300]	0.001	2.87	[1.550, 5.299]	0.001
<b>Constant</b>	0.19	[0.098, 0.357]	0.000	0.19	[0.099, 0.354]	0.000
<b>Respondent</b>	70327.56	[988.190, 5005072.842]	0.000	70327.23	[988.072, 5005628.758]	0.000
N	4,858			4,858		
F-value	11.011			11.817		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	2,421.000			2,421.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**0.4.11 Interaction between employment (change 2016-2017) and improved oral health (2016 or 2017), among respondents with a mental health condition and/or substance use disorder**

	Employed/self-employed*			Employed/self-employed		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	2.58	[1.727, 3.841]	0.000	2.17	[1.617, 2.919]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.60	[0.947, 2.702]	0.079	1.34	[0.858, 2.098]	0.197
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	0.71	[0.400, 1.260]	0.241			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.43	[0.245, 0.769]	0.004	0.43	[0.245, 0.769]	0.004
51-64	0.15	[0.079, 0.282]	0.000	0.15	[0.079, 0.283]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.26	[0.795, 1.998]	0.325	1.26	[0.795, 1.997]	0.325
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.32	[0.724, 2.411]	0.363	1.32	[0.723, 2.408]	0.365
Hispanic	4.41	[1.411, 13.799]	0.011	4.39	[1.404, 13.734]	0.011
Other, non-Hispanic	0.87	[0.364, 2.087]	0.758	0.87	[0.365, 2.085]	0.759
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	19.95	[9.778, 40.708]	0.000	19.81	[9.703, 40.435]	0.000
100%+	22.85	[10.669, 48.946]	0.000	22.67	[10.585, 48.569]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.58	[0.967, 2.571]	0.068	1.57	[0.967, 2.566]	0.068
Bachelor's/post graduate degree	2.52	[1.159, 5.469]	0.020	2.51	[1.158, 5.439]	0.020
<b>Constant</b>	0.14	[0.068, 0.301]	0.000	0.16	[0.075, 0.327]	0.000
<b>Respondent</b>	35581.66	[421.071, 3006745.731]	0.000	33817.08	[399.139, 2865157.297]	0.000
N	3,446			3,446		
F-value	8.550			8.855		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	1,713.000			1,713.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**0.4.12 Interaction between employment (change 2016-2017) and improved oral health (2016 or 2017), among respondents with a mental health condition**

	Employed/self-employed*			Employed/self-employed		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	2.65	[1.720, 4.071]	0.000	2.07	[1.511, 2.823]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.98	[1.151, 3.409]	0.014	1.53	[0.964, 2.432]	0.071
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	0.61	[0.335, 1.100]	0.100			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.41	[0.227, 0.724]	0.002	0.41	[0.228, 0.725]	0.002
51-64	0.15	[0.079, 0.291]	0.000	0.15	[0.080, 0.293]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.36	[0.835, 2.204]	0.218	1.35	[0.835, 2.198]	0.219
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.87	[0.466, 1.610]	0.649	0.87	[0.466, 1.610]	0.649
Hispanic	3.81	[1.142, 12.734]	0.030	3.78	[1.134, 12.621]	0.030
Other, non-Hispanic	0.92	[0.360, 2.331]	0.854	0.92	[0.362, 2.327]	0.856
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	18.73	[9.139, 38.371]	0.000	18.44	[8.996, 37.794]	0.000
100%+	23.41	[10.781, 50.849]	0.000	23.04	[10.608, 50.033]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	2.00	[1.202, 3.338]	0.008	2.00	[1.199, 3.321]	0.008
Bachelor's/post graduate degree	2.96	[1.320, 6.647]	0.008	2.94	[1.317, 6.576]	0.009
<b>Constant</b>	0.10	[0.048, 0.229]	0.000	0.12	[0.055, 0.260]	0.000
<b>Respondent</b>	17105.77	[244.834, 1195127.808]	0.000	15422.99	[221.668, 1073085.544]	0.000
N	3,120			3,120		
F-value	8.276			8.379		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	1,550.000			1,550.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**0.4.13 Interaction between employment (change 2016-2017) and improved oral health (2016 or 2017), among respondents with a substance use disorder**

	Employed/self-employed*			Employed/self-employed		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	3.86	[1.989, 7.483]	0.000	3.25	[2.026, 5.205]	0.000
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	0.66	[0.266, 1.623]	0.362	0.54	[0.250, 1.153]	0.110
<b>Survey year*Improved oral health (2016 or 2017)</b>						
2017 × Yes	0.69	[0.254, 1.865]	0.462			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.38	[0.140, 1.032]	0.058	0.38	[0.141, 1.033]	0.058
51-64	0.15	[0.051, 0.429]	0.000	0.15	[0.051, 0.430]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.28	[0.596, 2.745]	0.527	1.28	[0.598, 2.739]	0.524
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	2.55	[0.973, 6.696]	0.057	2.54	[0.970, 6.660]	0.058
Hispanic	3.58	[0.513, 25.054]	0.198	3.54	[0.507, 24.776]	0.202
Other, non-Hispanic	1.88	[0.526, 6.716]	0.331	1.87	[0.529, 6.616]	0.331
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	26.89	[7.483, 96.661]	0.000	26.60	[7.454, 94.903]	0.000
100%+	19.48	[5.144, 73.767]	0.000	19.23	[5.116, 72.281]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.51	[0.701, 3.245]	0.293	1.50	[0.701, 3.229]	0.294
Bachelor's/post graduate degree	3.65	[0.863, 15.400]	0.078	3.62	[0.866, 15.111]	0.078
<b>Constant</b>	0.10	[0.028, 0.391]	0.001	0.11	[0.032, 0.410]	0.001
<b>Respondent</b>	64811.39	[28.900, 1.453e+08]	0.005	58573.39	[28.049, 1.223e+08]	0.005
N	1,208			1,208		
F-value	4.033			4.345		
Model degrees of freedom	13.000			12.000		
Residual degrees of freedom	592.000			592.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work (>= 1 year), out of work (< 1 year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

\* Includes interaction term

#### 0.4.14 Employment (2016, 2017, change 2016-2017) sensitivity analyses

	Percent	Employed/self-employed				N	Delta Percent
		2016 95%CI	N	2017 95%CI	N		
<b>All respondents<sup>a</sup></b>							
Employed/self-employed	55.9	[53.5, 58.1]	1,555	60.2	[57.8, 62.4]	1,618	4.3
Not employed/self-employed	44.1	[41.9, 46.5]	1,104	39.8	[37.6, 42.2]	1,046	
<b>All respondents<sup>b</sup></b>							
Employed/self-employed	51.5	[49.3, 53.7]	1,555	56.8	[54.6, 59.0]	1,663	5.3
Not employed/self-employed	48.5	[46.3, 50.7]	1,409	43.2	[41.0, 45.4]	1,306	
<b>All respondents<sup>c</sup></b>							
Employed/self-employed	54.2	[52.0, 56.3]	1,679	57.1	[55.0, 59.3]	1,742	2.9
Not employed/self-employed	45.8	[43.7, 48.0]	1,409	42.9	[40.7, 45.0]	1,352	
<b>All respondents<sup>d</sup></b>							
Employed/self-employed	52.2	[50.0, 54.3]	1,634	57.1	[55.0, 59.3]	1,742	4.9
Not employed/self-employed	47.8	[45.7, 50.0]	1,454	42.9	[40.7, 45.0]	1,351	
<b>All respondents<sup>e</sup></b>							
Employed/self-employed	48.7	[46.5, 50.9]	1,555	53.5	[51.3, 55.7]	1,672	4.8
Not employed/self-employed	51.3	[49.1, 53.5]	1,533	46.5	[44.3, 48.7]	1,421	

**Notes:** Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no).

<sup>a</sup> Analysis excludes those who answered homemaker, student, or retired to the employment question in 2016; Mixed effects logistic regression results,  $F(1, 2,656) = 12.75, p = 0.0004$ ; Employed/self-employed in 2017 OR = 1.54,  $p < 0.001$ , 95% CI (1.2, 2.0)

<sup>b</sup> Analysis excludes those who answered student to the employment question in 2016; Mixed effects logistic regression results,  $F(1, 3,085) = 22.90, p < 0.0001$ ; Employed/self-employed in 2017 OR = 1.74,  $p < 0.001$ , 95% CI (1.4, 2.2)

<sup>c</sup> Analysis assumes those who answered student to employment question in 2016 are employed in 2016; Mixed effects logistic regression results,  $F(1, 3,085) = 6.60, p = 0.0102$ ; Employed/self-employed in 2017 OR = 1.33,  $p = 0.010$ , 95% CI (1.1, 1.7)

<sup>d</sup> Analysis assumes those who answered student to employment question in 2016 are employed in 2016 if they answered being employed in 2017; Mixed effects logistic regression results,  $F(1, 3,085) = 21.64, p < 0.0001$ ; Employed/self-employed in 2017 OR = 1.71,  $p < 0.001$ , 95% CI (1.4, 2.1)

<sup>e</sup> Analysis recodes those who answered student in 2017 to not employed in 2017 if they indicated they were a full-time student with part-time employment in 2017; Mixed effects logistic regression results,  $F(1, 3,085) = 17.93, p < 0.0001$ ; Employed/self-employed in 2017 OR = 1.57,  $p < 0.001$ , 95% CI (1.3, 1.9)

## 0.5 Employment status, detailed (2017)

### 0.5.1 Employment status, detailed (2017) by employment status detailed (2016), among all respondents

	Employed/self-employed		Out of work		Employment, detailed (2017)				Not looking for work at this time		Total	
	Row%	95%CI	Row%	95%CI	Unable to work	Retired	95%CI	Row%	95%CI	Row%		
<b>Employment, detailed (2016)</b>												
Employed/self-employed (n=1,538)	86.2	[83.7, 88.4]	8.2	[6.5, 10.4]	2.5	[1.8, 3.5]		0.7	[0.4, 1.3]	2.3	[1.4, 3.9]	100.0
Out of work (n=717)	34.3	[29.9, 39.1]	29.3	[25.3, 33.7]	25.4	[21.8, 29.5]		2.7	[1.8, 4.1]	8.2	[6.3, 10.7]	100.0
Unable to work (n=369)	10.7	[7.6, 14.9]	7.0	[4.5, 10.9]	74.8	[69.2, 79.8]		3.0	[1.7, 5.2]	4.4	[2.3, 8.2]	100.0
Retired (n=138)	14.2	[7.2, 26.3]	1.6	[0.4, 6.3]	6.1	[3.0, 11.8]		73.2	[61.7, 82.3]	4.9	[1.7, 12.9]	100.0
Homemaker <sup>a</sup> (n=163)	18.4	[12.1, 27.0]	10.3	[6.5, 15.9]	15.7	[9.6, 24.6]		3.2	[1.6, 6.4]	52.4	[42.8, 61.8]	100.0
Student <sup>b</sup> (n=123)	63.6	[52.5, 73.5]	18.5	[11.7, 28.0]	4.0	[1.7, 9.5]		0.0		13.8	[7.4, 24.4]	100.0
<b>Total (n=3,064)</b>	<b>57.3</b>	<b>[55.1, 59.4]</b>	<b>14.4</b>	<b>[12.8, 16.1]</b>	<b>17.6</b>	<b>[16.1, 19.3]</b>		<b>3.6</b>	<b>[3.0, 4.3]</b>	<b>7.1</b>	<b>[6.0, 8.4]</b>	<b>100.0</b>

**Note:** This table shows row percents.

<sup>a</sup> This response option was not included in the 2017 survey

<sup>b</sup> In 2016, student status was included as a response option to the employment question "What is your current job status. Are you currently...?" while in 2017, student status was asked as a separate question "Are you currently in school?"

	Employed/self-employed		Out of work		Employment, detailed (2017)				Not looking for work at this time		Total		
	Cell%	95%CI	Cell%	95%CI	Unable to work	Retired	95%CI	Cell%	95%CI	Cell%	95%CI		
<b>Employment, detailed (2016)</b>													
Employed/self-employed (n=1,538)	42.1	[40.0, 44.3]	4.0	[3.2, 5.1]	1.2	[0.9, 1.7]		0.4	[0.2, 0.6]	1.1	[0.7, 1.9]	48.8	[46.7, 51.0]
Out of work (n=717)	9.2	[7.8, 10.8]	7.9	[6.7, 9.3]	6.8	[5.8, 8.0]		0.7	[0.5, 1.1]	2.2	[1.7, 2.9]	26.9	[24.9, 29.0]
Unable to work (n=369)	1.2	[0.9, 1.7]	0.8	[0.5, 1.3]	8.5	[7.4, 9.8]		0.3	[0.2, 0.6]	0.5	[0.3, 1.0]	11.4	[10.1, 12.8]
Retired (n=138)	0.4	[0.2, 0.8]	0.0	[0.0, 0.2]	0.2	[0.1, 0.3]		2.1	[1.6, 2.7]	0.1	[0.0, 0.4]	2.9	[2.3, 3.5]
Homemaker <sup>a</sup> (n=163)	0.8	[0.5, 1.3]	0.5	[0.3, 0.7]	0.7	[0.4, 1.2]		0.1	[0.1, 0.3]	2.4	[1.8, 3.1]	4.5	[3.7, 5.5]
Student <sup>b</sup> (n=123)	3.5	[2.7, 4.6]	1.0	[0.6, 1.6]	0.2	[0.1, 0.5]		0.0		0.8	[0.4, 1.5]	5.5	[4.5, 6.8]
<b>Total (n=3,064)</b>	<b>57.3</b>	<b>[55.1, 59.4]</b>	<b>14.4</b>	<b>[12.8, 16.1]</b>	<b>17.6</b>	<b>[16.1, 19.3]</b>		<b>3.6</b>	<b>[3.0, 4.3]</b>	<b>7.1</b>	<b>[6.0, 8.4]</b>	<b>100.0</b>	

**Note:** This table presents the same data as above using cell percents.

<sup>a</sup> This response option was not included in the 2017 survey

<sup>b</sup> In 2016, student status was included as a response option to the employment question "What is your current job status. Are you currently...?" while in 2017, student status was asked as a separate question "Are you currently in school?"

## 0.6 Positive employment-related outcome (2017)

### 0.6.1 Positive employment-related outcome (2017) by improved health (from 2016-2017), among all respondents

	Positive employment-related outcome (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Improved health (from 2016-2017)</b>					
Yes (n=241)	67.6	[59.4, 74.9]	32.4	[25.1, 40.6]	100.0
No (n=1,915)	60.1	[57.1, 62.9]	39.9	[37.1, 42.9]	100.0
Pearson: Uncorrected chi2(1) =	5.3239				
Design-based F(1.00, 2144.00) =	2.9456	Pr =	0.086		
<b>Total (n=2,156)</b>	<b>60.9</b>	<b>[58.2, 63.6]</b>	<b>39.1</b>	<b>[36.4, 41.8]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Positive employment-related outcome was defined as a "yes" response to any of the following survey items from the 2017 enrollee follow-up survey: "the Healthy Michigan Plan helped me do a better job at work", "the Healthy Michigan Plan helped me get a better job", or "the Healthy Michigan Plan has made me better able to look for a job". Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.

### 0.6.2 Positive employment-related outcome (2017) by improved health (from 2016-2017), among respondents with a chronic condition

	Positive employment-related outcome (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Improved health (from 2016-2017)</b>					
Yes (n=209)	70.6	[61.5, 78.2]	29.4	[21.8, 38.5]	100.0
No (n=1,403)	62.4	[59.0, 65.8]	37.6	[34.2, 41.0]	100.0
Pearson: Uncorrected chi2(1) =	7.7283				
Design-based F(1.00, 2228.00) =	2.8222	Pr =	0.093		
<b>Total (n=1,612)</b>	<b>63.6</b>	<b>[60.4, 66.7]</b>	<b>36.4</b>	<b>[33.3, 39.6]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Positive employment-related outcome was defined as a "yes" response to any of the following survey items from the 2017 enrollee follow-up survey: "the Healthy Michigan Plan helped me do a better job at work", "the Healthy Michigan Plan helped me get a better job", or "the Healthy Michigan Plan has made me better able to look for a job". Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.

### 0.6.3 Predictors of positive employment-related outcome (2017), among all respondents and respondents with a chronic condition

	Positive employment-related outcome (2017)			Positive employment-related outcome (2017) <sup>a</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	0.87	[0.621, 1.206]	0.393	0.84	[0.604, 1.173]	0.309
<b>Number of chronic conditions (DW)</b>	1.06	[0.967, 1.160]	0.217	0.96	[0.856, 1.077]	0.490
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	1.19	[0.902, 1.580]	0.216	1.21	[0.861, 1.706]	0.271
51-64	1.62	[1.202, 2.177]	0.002	1.68	[1.188, 2.368]	0.003
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.02	[0.803, 1.298]	0.864	1.00	[0.750, 1.332]	0.996
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.35	[1.013, 1.789]	0.040	1.28	[0.919, 1.786]	0.143
Hispanic	0.94	[0.571, 1.562]	0.824	0.79	[0.417, 1.487]	0.461
Other, non-Hispanic	1.62	[1.057, 2.491]	0.027	1.91	[1.084, 3.368]	0.025
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	1.22	[0.929, 1.609]	0.151	1.34	[0.970, 1.858]	0.076
100%+	1.00	[0.753, 1.320]	0.984	1.24	[0.885, 1.735]	0.211
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.04	[0.811, 1.345]	0.735	1.15	[0.848, 1.550]	0.373
Bachelor's/post graduate degree	1.45	[1.023, 2.062]	0.037	1.28	[0.829, 1.970]	0.266
<b>Constant</b>	0.97	[0.702, 1.350]	0.874	1.19	[0.767, 1.857]	0.434
N	2,130			1,592		
F-value	2.293			1.581		
Model degrees of freedom	12.000			12.000		
Residual degrees of freedom	2,118.000			1,580.000		
F-value significance	0.007			0.090		

**Notes:** Multiple logistic regression. Positive employment-related outcome was defined as a "yes" response to any of the following survey items from the 2017 enrollee follow-up survey: "the Healthy Michigan Plan helped me do a better job at work", "the Healthy Michigan Plan helped me get a better job", or "the Healthy Michigan Plan has made me better able to look for a job". New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse.

<sup>a</sup> Analysis restricted to those with a chronic condition

## 0.7 HMP helped me do a better job at work (2017)

### 0.7.1 HMP helped me do a better job at work (2017) by improved health (from 2016-2017), among all respondents

	Row%	HMP helped me do a better job at work (2017)			
		95%CI	Row%	95%CI	Row%
<b>Improved health (from 2016-2017)</b>					
Yes (n=158)	78.1	[67.3, 86.0]	21.9	[14.0, 32.7]	100.0
No (n=1,335)	77.0	[73.9, 79.9]	23.0	[20.1, 26.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0950				
Design-based F(1.00, 1481.00) =	0.0429	Pr =	0.836		
<b>Total (n=1,493)</b>	<b>77.1</b>	<b>[74.2, 79.8]</b>	<b>22.9</b>	<b>[20.2, 25.8]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. For HMP helped me do a better job at work, respondents who answered "N/A" were excluded from the analysis.

### 0.7.2 HMP helped me do a better job at work (2017) by improved health (from 2016-2017), among respondents with a chronic condition

	Row%	HMP helped me do a better job at work (2017)			
		95%CI	Row%	95%CI	Row%
<b>Improved health (from 2016-2017)</b>					
Yes (n=139)	79.5	[67.7, 87.8]	20.5	[12.2, 32.3]	100.0
No (n=985)	79.0	[75.3, 82.2]	21.0	[17.8, 24.7]	100.0
Pearson: Uncorrected chi2(1) =	0.0372				
Design-based F(1.00, 1740.00) =	0.0097	Pr =	0.921		
<b>Total (n=1,124)</b>	<b>79.1</b>	<b>[75.6, 82.1]</b>	<b>20.9</b>	<b>[17.9, 24.4]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. For HMP helped me do a better job at work, respondents who answered "N/A" were excluded from the analysis.

### 0.7.3 HMP helped me do a better job at work (2017) by improved oral health (2016 or 2017), among respondents employed in 2017

	Yes Row%	HMP helped me do a better job at work (2017)			Total Row%
		95%CI	No/don't know Row%	95%CI	
<b>Improved oral health (2016 or 2017)</b>					
Yes (n=726)	82.3	[78.3, 85.7]	17.7	[14.3, 21.7]	100.0
No (n=748)	72.2	[67.7, 76.3]	27.8	[23.7, 32.3]	100.0
Pearson: Uncorrected chi2(1) =	40.7379				
Design-based F(1.00, 2817.00) =	12.0819	Pr =	0.001		
<b>Total (n=1,474)</b>	<b>77.2</b>	<b>[74.2, 79.9]</b>	<b>22.8</b>	<b>[20.1, 25.8]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. For HMP helped me do a better job at work, respondents who answered "N/A" were excluded from the analysis.  $\phi = 0.12$

**0.7.4 HMP helped me do a better job at work (2017) by improved oral health (2016 or 2017), among respondents with a chronic condition**

	HMP helped me do a better job at work (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
<b>Improved oral health (2016 or 2017)</b>					
Yes (n=557)	86.2	[82.0, 89.5]	13.8	[10.5, 18.0]	100.0
No (n=577)	72.2	[66.8, 77.1]	27.8	[22.9, 33.2]	100.0
Pearson: Uncorrected chi2(1) =	51.7282				
Design-based F(1.00, 1750.00) =	18.8362	Pr =	0.000		
<b>Total (n=1,134)</b>	<b>79.0</b>	<b>[75.6, 82.1]</b>	<b>21.0</b>	<b>[17.9, 24.4]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. For HMP helped me do a better job at work, respondents who answered "N/A" were excluded from the analysis.  $\phi = 0.17$

**0.7.5 Predictors of HMP helped me do a better job at work (2017), among respondents employed in 2017 and respondents with a chronic condition**

	HMP helped me do a better job at work (2017)			HMP helped me do a better job at work (2017) <sup>a</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.76	[1.254, 2.470]	0.001	2.32	[1.533, 3.508]	0.000
<b>Number of chronic conditions (DW)</b>	1.04	[0.903, 1.207]	0.558	0.90	[0.760, 1.074]	0.249
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	0.92	[0.577, 1.468]	0.726	0.95	[0.585, 1.527]	0.819
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	1.14	[0.772, 1.685]	0.508	1.06	[0.650, 1.726]	0.816
51-64	2.21	[1.396, 3.495]	0.001	2.84	[1.698, 4.750]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.82	[0.579, 1.165]	0.269	0.82	[0.536, 1.245]	0.345
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.17	[0.779, 1.767]	0.445	1.07	[0.658, 1.733]	0.790
Hispanic	0.55	[0.271, 1.108]	0.094	0.44	[0.180, 1.098]	0.079
Other, non-Hispanic	1.00	[0.582, 1.717]	0.997	0.98	[0.479, 1.995]	0.949
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	1.17	[0.773, 1.769]	0.458	1.40	[0.845, 2.317]	0.191
100%+	0.81	[0.534, 1.225]	0.316	0.97	[0.585, 1.621]	0.919
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.17	[0.820, 1.682]	0.381	1.09	[0.703, 1.679]	0.707
Bachelor's/post graduate degree	1.51	[0.935, 2.429]	0.092	1.20	[0.669, 2.169]	0.535
<b>Constant</b>	2.07	[1.186, 3.600]	0.010	2.63	[1.258, 5.480]	0.010
N	1,459			1,111		
F-value	3.166			3.830		
Model degrees of freedom	13.000			13.000		
Residual degrees of freedom	1,447.000			1,099.000		
F-value significance	0.000			0.000		

**Notes:** Multiple logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse. For HMP helped me do a better job at work, respondents who answered "N/A" were excluded from the analysis.

<sup>a</sup> Analysis restricted to those with a chronic condition

## 0.8 HMP helped me get a better job (2017)

### 0.8.1 HMP helped me get a better job (2017) by improved health (from 2016-2017), among all respondents

	Row%	HMP helped me get a better job (2017)			
		95%CI	Row%	95%CI	Row%
<b>Improved health (from 2016-2017)</b>					
Yes (n=30)	49.3	[26.8, 72.1]	50.7	[27.9, 73.2]	100.0
No (n=247)	34.1	[27.1, 41.8]	65.9	[58.2, 72.9]	100.0
Pearson: Uncorrected chi2(1) =	2.8757				
Design-based F(1.00, 265.00) =	1.5013	Pr =	0.222		
<b>Total (n=277)</b>	<b>35.8</b>	<b>[28.9, 43.5]</b>	<b>64.2</b>	<b>[56.5, 71.1]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. For HMP helped me get a better job, respondents who answered "N/A" were excluded from the analysis.

### 0.8.2 HMP helped me get a better job (2017) by improved health (from 2016-2017), among respondents with a chronic condition

	Row%	HMP helped me get a better job (2017)			
		95%CI	Row%	95%CI	Row%
<b>Improved health (from 2016-2017)</b>					
Yes (n=28)	47.7	[25.0, 71.4]	52.3	[28.6, 75.0]	100.0
No (n=177)	34.1	[25.9, 43.4]	65.9	[56.6, 74.1]	100.0
Pearson: Uncorrected chi2(1) =	8.6087				
Design-based F(1.00, 821.00) =	1.0818	Pr =	0.299		
<b>Total (n=205)</b>	<b>36.2</b>	<b>[28.1, 45.2]</b>	<b>63.8</b>	<b>[54.8, 71.9]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. For HMP helped me get a better job, respondents who answered "N/A" were excluded from the analysis.

**0.8.3 HMP helped me get a better job (2017) by improved oral health (2016 or 2017), among respondents employed in 2017**

	Row%	HMP helped me get a better job (2017)			
		95%CI	Row%	95%CI	Row%
<b>Improved oral health (2016 or 2017)</b>					
Yes (n=140)	33.2	[23.9, 44.0]	66.8	[56.0, 76.1]	100.0
No (n=137)	38.8	[29.1, 49.5]	61.2	[50.5, 70.9]	100.0
Pearson: Uncorrected chi2(1) =	5.5106				
Design-based F(1.00, 1620.00) =	0.5709	Pr =	0.450		
<b>Total (n=277)</b>	<b>35.8</b>	<b>[29.0, 43.4]</b>	<b>64.2</b>	<b>[56.6, 71.0]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. For HMP helped me get a better job, respondents who answered "N/A" were excluded from the analysis.

**0.8.4 HMP helped me get a better job (2017) by improved oral health (2016 or 2017), among respondents with a chronic condition**

	Row%	HMP helped me get a better job (2017)			
		95%CI	Row%	95%CI	Row%
<b>Improved oral health (2016 or 2017)</b>					
Yes (n=102)	37.2	[25.8, 50.3]	62.8	[49.7, 74.2]	100.0
No (n=103)	35.0	[24.4, 47.3]	65.0	[52.7, 75.6]	100.0
Pearson: Uncorrected chi2(1) =	0.4434				
Design-based F(1.00, 821.00) =	0.0658	Pr =	0.798		
<b>Total (n=205)</b>	<b>36.2</b>	<b>[28.1, 45.2]</b>	<b>63.8</b>	<b>[54.8, 71.9]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. For HMP helped me get a better job, respondents who answered "N/A" were excluded from the analysis.

### 0.8.5 Predictors of HMP helped me get a better job (2017), among respondents employed in 2017 and respondents with a chronic condition

	HMP helped me get a better job (2017) <sup>a</sup>			HMP helped me get a better job (2017) <sup>b</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	0.83	[0.437, 1.580]	0.571	1.20	[0.551, 2.611]	0.644
<b>Number of chronic conditions (DW)</b>	1.08	[0.829, 1.401]	0.573	1.14	[0.797, 1.626]	0.475
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	0.73	[0.316, 1.696]	0.466	0.71	[0.310, 1.639]	0.423
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	1.01	[0.460, 2.222]	0.978	0.83	[0.330, 2.081]	0.687
51-64	1.28	[0.453, 3.596]	0.643	1.16	[0.376, 3.588]	0.794
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.45	[0.235, 0.876]	0.019	0.54	[0.250, 1.186]	0.125
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.79	[0.353, 1.780]	0.572	0.74	[0.283, 1.936]	0.538
Hispanic	0.76	[0.164, 3.530]	0.725	0.71	[0.087, 5.854]	0.752
Other, non-Hispanic	0.87	[0.304, 2.495]	0.795	0.83	[0.250, 2.770]	0.764
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	0.90	[0.406, 2.009]	0.803	1.07	[0.424, 2.722]	0.880
100%+	1.00	[0.436, 2.284]	0.995	1.04	[0.398, 2.712]	0.937
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.08	[0.532, 2.177]	0.837	1.43	[0.637, 3.200]	0.385
Bachelor's/post graduate degree	0.87	[0.373, 2.009]	0.736	1.25	[0.445, 3.494]	0.673
<b>Constant</b>	0.96	[0.332, 2.793]	0.945	0.56	[0.142, 2.239]	0.414
<b>N</b>	275			203		
<b>F-value</b>	0.781			0.511		
<b>Model degrees of freedom</b>	13.000			13.000		
<b>Residual degrees of freedom</b>	263.000			191.000		
<b>F-value significance</b>	0.680			0.916		

**Notes:** Multiple logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse. For HMP helped me get a better job, respondents who answered "N/A" were excluded from the analysis.

<sup>a</sup> Analysis restricted to those employed in 2017

<sup>b</sup> Analysis restricted to those with a chronic condition

## 0.9 HMP made me better able to look for a job (2017)

### 0.9.1 HMP made me better able to look for a job (2017) by improved health (from 2016-2017), among all respondents

	HMP made me better able to look for a job (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
<b>Improved health (from 2016-2017)</b>					
Yes (n=41)	84.5	[62.5, 94.7]	15.5	[5.3, 37.5]	100.0
No (n=223)	66.7	[58.3, 74.1]	33.3	[25.9, 41.7]	100.0
Pearson: Uncorrected chi2(1) =	5.0007				
Design-based F(1.00, 252.00) =	2.6875	Pr =	0.102		
<b>Total (n=264)</b>	<b>69.3</b>	<b>[61.7, 76.0]</b>	<b>30.7</b>	<b>[24.0, 38.3]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. For HMP made me better able to look for a job, respondents who answered "N/A" were excluded from the analysis.

### 0.9.2 HMP made me better able to look for a job (2017) by improved health (from 2016-2017), among respondents with a chronic condition

	HMP made me better able to look for a job (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
<b>Improved health (from 2016-2017)</b>					
Yes (n=41)	85.7	[67.7, 94.5]	14.3	[5.5, 32.3]	100.0
No (n=193)	61.6	[52.3, 70.2]	38.4	[29.8, 47.7]	100.0
Pearson: Uncorrected chi2(1) =	32.4555				
Design-based F(1.00, 850.00) =	5.9423	Pr =	0.015		
<b>Total (n=234)</b>	<b>65.9</b>	<b>[57.5, 73.4]</b>	<b>34.1</b>	<b>[26.6, 42.5]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. For HMP made me better able to look for a job, respondents who answered "N/A" were excluded from the analysis.  $\phi = 0.19$ .

**0.9.3 HMP made me better able to look for a job (2017) by improved oral health (2016 or 2017), among respondents not employed in 2017**

	HMP made me better able to look for a job (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
<b>Improved oral health (2016 or 2017)</b>					
Yes (n=133)	72.5	[60.9, 81.6]	27.5	[18.4, 39.1]	100.0
No (n=134)	63.9	[53.1, 73.4]	36.1	[26.6, 46.9]	100.0
Pearson: Uncorrected chi2(1) =	17.0780				
Design-based F(1.00, 2001.00) =	1.2872	Pr =	0.257		
<b>Total (n=267)</b>	<b>68.2</b>	<b>[60.4, 75.0]</b>	<b>31.8</b>	<b>[25.0, 39.6]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. For HMP made me better able to look for a job, respondents who answered "N/A" were excluded from the analysis.

**0.9.4 HMP made me better able to look for a job (2017) by improved oral health (2016 or 2017), among respondents with a chronic condition**

	HMP made me better able to look for a job (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
<b>Improved oral health (2016 or 2017)</b>					
Yes (n=123)	68.2	[55.6, 78.6]	31.8	[21.4, 44.4]	100.0
No (n=111)	63.4	[51.9, 73.5]	36.6	[26.5, 48.1]	100.0
Pearson: Uncorrected chi2(1) =	2.1817				
Design-based F(1.00, 850.00) =	0.3403	Pr =	0.560		
<b>Total (n=234)</b>	<b>65.9</b>	<b>[57.5, 73.4]</b>	<b>34.1</b>	<b>[26.6, 42.5]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. For HMP made me better able to look for a job, respondents who answered "N/A" were excluded from the analysis.

**0.9.5 Predictors of HMP made me better able to look for a job (2017), among respondents not employed in 2017 and respondents with a chronic condition**

	HMP made me better able to look for a job (2017) <sup>a</sup>			HMP made me better able to look for a job (2017) <sup>b</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Improved oral health (2016 or 2017)</b>						
No		Reference			Reference	
Yes	1.16	[0.570, 2.360]	0.681	1.22	[0.603, 2.472]	0.578
<b>Number of chronic conditions (DW)</b>	0.99	[0.754, 1.312]	0.970	0.72	[0.534, 0.969]	0.030
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	0.61	[0.266, 1.415]	0.251	0.56	[0.245, 1.267]	0.162
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	1.26	[0.493, 3.224]	0.627	1.14	[0.455, 2.879]	0.773
51-64	1.31	[0.569, 3.023]	0.523	1.87	[0.713, 4.899]	0.202
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.95	[0.443, 2.037]	0.894	1.56	[0.745, 3.278]	0.236
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	2.10	[0.895, 4.917]	0.088	1.70	[0.756, 3.816]	0.198
Hispanic	12.13	[1.080, 136.261]	0.043	11.34	[1.082, 118.854]	0.043
Other, non-Hispanic	0.84	[0.226, 3.111]	0.792	0.40	[0.114, 1.430]	0.159
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	1.21	[0.494, 2.952]	0.679	0.46	[0.202, 1.063]	0.069
100%+	0.64	[0.234, 1.734]	0.376	0.78	[0.288, 2.089]	0.614
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	2.26	[1.011, 5.032]	0.047	2.54	[1.177, 5.482]	0.018
Bachelor's/post graduate degree	0.86	[0.253, 2.905]	0.804	2.70	[0.622, 11.732]	0.184
<b>Constant</b>	1.25	[0.517, 3.030]	0.617	2.30	[0.642, 8.237]	0.200
N	266			233		
F-value	1.077			1.522		
Model degrees of freedom	13.000			13.000		
Residual degrees of freedom	254.000			221.000		
F-value significance	0.380			0.111		

**Notes:** Multiple logistic regression. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse. For HMP made me better able to look for a job, respondents who answered "N/A" were excluded from the analysis.

<sup>a</sup> Analysis restricted to those who are not employed in 2017

<sup>b</sup> Analysis restricted to those with a chronic condition

- 1 Aim 1: To describe changes over time in health and functional status for HMP respondents, particularly those with chronic conditions or other indicators of poorer health.**

## 1.1 Chronic conditions

### 1.1.1 New chronic condition diagnosis in 2017 by follow-up group, among all respondents

	New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	20.8	[18.7, 23.1]	79.2	[76.9, 81.3]	100.0
No longer enrolled (n=709)	17.7	[14.3, 21.8]	82.3	[78.2, 85.7]	100.0
Pearson: Uncorrected chi2(1) =	3.3536				
Design-based F(1.00, 3085.00) =	1.8607	Pr =	0.173		
<b>Total (n=3,097)</b>	<b>20.1</b>	<b>[18.3, 22.1]</b>	<b>79.9</b>	<b>[77.9, 81.7]</b>	<b>100.0</b>

**Notes:** New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse.

### 1.1.2 Presence of a chronic condition by follow-up group, among all respondents

	Chronic condition (2016 or 2017 survey and/or DW)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	78.3	[76.1, 80.4]	21.7	[19.6, 23.9]	100.0
No longer enrolled (n=709)	71.7	[67.0, 75.9]	28.3	[24.1, 33.0]	100.0
Pearson: Uncorrected chi2(1) =	13.7645				
Design-based F(1.00, 3085.00) =	7.6520	Pr =	0.006		
<b>Total (n=3,097)</b>	<b>76.8</b>	<b>[74.8, 78.7]</b>	<b>23.2</b>	<b>[21.3, 25.2]</b>	<b>100.0</b>

**Notes:** Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse.

### 1.1.3 Presence of two or more chronic conditions by follow-up group, among all respondents

	Two or more chronic conditions (2016 or 2017 survey and/or DW)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	53.6	[50.9, 56.2]	46.4	[43.8, 49.1]	100.0
No longer enrolled (n=709)	46.6	[42.1, 51.2]	53.4	[48.8, 57.9]	100.0
Pearson: Uncorrected chi2(1) =	10.7618				
Design-based F(1.00, 3085.00) =	6.6950	Pr =	0.010		
<b>Total (n=3,097)</b>	<b>51.9</b>	<b>[49.7, 54.2]</b>	<b>48.1</b>	<b>[45.8, 50.3]</b>	<b>100.0</b>

**Notes:** Two or more chronic conditions was defined as being diagnosed with two or more of the following chronic conditions: asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse.

## 1.2 Health status (2017)

### 1.2.1 Health status (2017) by health status (2016), among all respondents

	Health status (2017)										Total Row%
	Excellent		Very good		Good		Fair		Poor		
Health status (2016)	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Excellent (n=248)	46.8	[39.3, 54.4]	35.8	[28.5, 43.9]	15.0	[10.5, 20.9]	2.0	[0.7, 5.3]	0.4	[0.1, 3.1]	100.0
Very good (n=793)	13.3	[10.0, 17.4]	51.4	[46.7, 56.0]	29.3	[25.3, 33.7]	5.9	[4.0, 8.8]	0.1	[0.0, 0.6]	100.0
Good (n=1,080)	3.6	[2.2, 5.7]	21.7	[18.6, 25.1]	58.4	[54.6, 62.1]	14.6	[12.3, 17.3]	1.7	[1.0, 3.1]	100.0
Fair (n=717)	3.1	[1.7, 5.6]	8.6	[6.1, 12.0]	31.6	[27.5, 36.0]	48.9	[44.3, 53.5]	7.8	[5.8, 10.4]	100.0
Poor (n=252)	0.0		3.7	[1.0, 12.2]	10.2	[6.4, 15.8]	38.9	[31.6, 46.6]	47.3	[39.7, 55.1]	100.0
<b>Total (n=3,096)</b>	<b>9.9</b>	<b>[8.5, 11.5]</b>	<b>26.5</b>	<b>[24.5, 28.6]</b>	<b>36.6</b>	<b>[34.5, 38.8]</b>	<b>20.9</b>	<b>[19.2, 22.8]</b>	<b>6.0</b>	<b>[5.1, 7.1]</b>	<b>100.0</b>

Note: This table shows row percents.

	Health status (2017)										Total	
	Excellent		Very good		Good		Fair		Poor		Cell%	95%CI
Health status (2016)	Cell%	95%CI	Cell%	95%CI	Cell%	95%CI	Cell%	95%CI	Cell%	95%CI	Cell%	95%CI
Excellent (n=248)	4.5	[3.7, 5.5]	3.4	[2.6, 4.6]	1.4	[1.0, 2.1]	0.2	[0.1, 0.5]	0.0	[0.0, 0.3]	9.6	[8.3, 11.1]
Very good (n=793)	3.5	[2.6, 4.7]	13.6	[12.1, 15.3]	7.8	[6.6, 9.1]	1.6	[1.0, 2.4]	0.0	[0.0, 0.2]	26.5	[24.5, 28.6]
Good (n=1,080)	1.2	[0.7, 1.9]	7.2	[6.1, 8.5]	19.4	[17.7, 21.2]	4.9	[4.1, 5.8]	0.6	[0.3, 1.0]	33.2	[31.1, 35.3]
Fair (n=717)	0.7	[0.4, 1.3]	2.0	[1.4, 2.8]	7.3	[6.2, 8.5]	11.3	[9.9, 12.7]	1.8	[1.3, 2.4]	23.0	[21.2, 25.0]
Poor (n=252)	0.0		0.3	[0.1, 1.0]	0.8	[0.5, 1.3]	3.0	[2.3, 3.8]	3.6	[2.9, 4.5]	7.7	[6.6, 8.9]
<b>Total (n=3,096)</b>	<b>9.9</b>	<b>[8.5, 11.5]</b>	<b>26.5</b>	<b>[24.5, 28.6]</b>	<b>36.6</b>	<b>[34.5, 38.8]</b>	<b>20.9</b>	<b>[19.2, 22.8]</b>	<b>6.0</b>	<b>[5.1, 7.1]</b>	<b>100.0</b>	

Note: This table presents the same data as above using cell percents.

### 1.3 Fair/poor health (change 2016-2017)

#### 1.3.1 Fair/poor health (2016, 2017, change 2016-2017) by follow-up group and demographic characteristics, among all respondents

	Fair/poor health								
	Percent	2016 SE	95%CI	N	Percent	2017 SE	95%CI	N	Delta Percent
<b>Follow-up group<sup>a</sup></b>									
Still enrolled	31.4	0.01	[29.0, 33.7]	2,388	27.2	0.01	[24.9, 29.4]	2,388	-4.2
No longer enrolled	28.4	0.02	[24.2, 32.5]	709	26.4	0.02	[22.4, 30.4]	709	-2.0
<b>Age (DW)</b>									
19-34	20.7	0.02	[17.4, 24.1]	909	15.9	0.01	[12.9, 18.8]	909	-4.8
35-50	36.9	0.02	[33.1, 40.7]	969	32.1	0.02	[28.5, 35.8]	969	-4.8
51-64	36.4	0.02	[33.1, 39.7]	1,219	35.5	0.02	[32.2, 38.8]	1,219	-0.9
<b>Gender (DW)</b>									
Male	31.6	0.02	[28.4, 34.9]	1,230	28.6	0.02	[25.4, 31.7]	1,230	-3.0
Female	29.8	0.01	[27.2, 32.4]	1,867	25.6	0.01	[23.2, 28.0]	1,867	-4.2
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic	30.6	0.01	[28.1, 33.2]	2,058	27.9	0.01	[25.4, 30.3]	2,058	-2.7
Black, non-Hispanic	31.5	0.02	[27.1, 35.9]	634	26.0	0.02	[21.9, 30.1]	634	-5.5
Hispanic	28.3	0.04	[19.6, 36.9]	138	21.5	0.04	[13.6, 29.4]	138	-6.8
Other, non-Hispanic	28.8	0.03	[22.0, 35.6]	228	24.9	0.03	[18.4, 31.3]	228	-3.9
<b>FPL category (DW)</b>									
0-35%	37.6	0.02	[34.2, 40.9]	1,218	32.3	0.02	[29.1, 35.5]	1,218	-5.3
36-99%	24.3	0.01	[21.4, 27.2]	1,084	23.0	0.01	[20.2, 25.9]	1,084	-1.3
100%+	21.5	0.02	[18.3, 24.7]	795	18.4	0.02	[15.3, 21.5]	795	-3.1
<b>Region (DW)</b>									
UP/NW/NE	30.7	0.02	[26.6, 34.8]	574	27.1	0.02	[23.1, 31.1]	574	-3.6
W/E Central/E	31.6	0.02	[28.3, 34.9]	980	30.8	0.02	[27.4, 34.1]	980	-0.8
S Central/SW/SE	29.0	0.02	[24.9, 33.1]	633	25.6	0.02	[21.7, 29.4]	633	-3.4
Detroit Metro	30.7	0.02	[27.0, 34.4]	910	24.9	0.02	[21.6, 28.3]	910	-5.8

<sup>a</sup> Mixed effects logistic regression results,  $F(3, 3,083) = 5.55$ ,  $p = 0.0008$ ; Interaction effect of follow-up\*year (no longer enrolled\*2017) on reporting fair/poor health OR = 1.28,  $p = 0.245$ , 95% CI (0.8, 2.1)

### 1.3.2 Fair/poor health (2016, 2017, change 2016-2017), among all respondents and various subgroups

	Fair/poor health						Delta Percent
	Percent	2016 95%CI	N	Percent	2017 95%CI	N	
<b>All respondents<sup>a</sup></b>							
Fair/poor health	30.7	[28.7, 32.8]	970	27.0	[25.1, 29.0]	862	-3.7
Excellent/very good/good health	69.3	[67.2, 71.3]	2,127	73.0	[71.0, 74.9]	2,235	
<b>Among respondents still enrolled<sup>b</sup></b>							
Fair/poor health	31.4	[29.1, 33.8]	767	27.2	[25.0, 29.4]	670	-4.2
Excellent/very good/good health	68.6	[66.2, 70.9]	1,621	72.8	[70.6, 75.0]	1,717	
<b>Among respondents no longer enrolled<sup>c</sup></b>							
Fair/poor health	28.4	[24.4, 32.7]	203	26.4	[22.6, 30.6]	192	-2.0
Excellent/very good/good health	71.6	[67.3, 75.6]	506	73.6	[69.4, 77.4]	517	
<b>Among respondents no longer enrolled and uninsured<sup>d</sup></b>							
Fair/poor health	23.6	[16.9, 31.9]	42	19.0	[12.8, 27.3]	33	-4.6
Excellent/very good/good health	76.4	[68.1, 83.1]	151	81.0	[72.7, 87.2]	160	
<b>Among respondents with a chronic condition (2016 or 2017 survey and/or DW)<sup>e</sup></b>							
Fair/poor health	36.7	[34.3, 39.1]	908	32.6	[30.3, 34.9]	821	-4.1
Excellent/very good/good health	63.3	[60.9, 65.7]	1,561	67.4	[65.1, 69.7]	1,648	
<b>Among respondents with two or more chronic conditions (2016 or 2017 survey and/or DW)<sup>f</sup></b>							
Fair/poor health	45.6	[42.7, 48.5]	777	40.9	[38.0, 43.8]	710	-4.7
Excellent/very good/good health	54.4	[51.5, 57.3]	990	59.1	[56.2, 62.0]	1,057	
<b>Among respondents with a mental health condition and/or substance use disorder (DW)<sup>g</sup></b>							
Fair/poor health	39.9	[37.0, 42.8]	691	35.6	[32.8, 38.5]	623	-4.3
Excellent/very good/good health	60.1	[57.2, 63.0]	1,058	64.4	[61.5, 67.2]	1,126	
<b>Among respondents with a mental health condition (DW)<sup>h</sup></b>							
Fair/poor health	40.8	[37.8, 43.9]	632	36.1	[33.2, 39.2]	571	-4.7
Excellent/very good/good health	59.2	[56.1, 62.2]	950	63.9	[60.8, 66.8]	1,011	
<b>Among respondents with a substance use disorder (DW)<sup>i</sup></b>							
Fair/poor health	44.1	[39.3, 49.0]	282	41.8	[37.1, 46.7]	264	-2.3
Excellent/very good/good health	55.9	[51.0, 60.7]	334	58.2	[53.3, 62.9]	352	

<sup>a</sup> Mixed effects logistic regression results,  $F(1, 3,085) = 14.41, p = 0.0001$ ; Fair/poor health in 2017 OR = 0.66,  $p < 0.001$ , 95% CI (0.5, 0.8)

<sup>b</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 14.16, p = 0.0002$ ; Fair/poor health in 2017 OR = 0.62,  $p < 0.001$ , 95% CI (0.5, 0.8)

<sup>c</sup> Mixed effects logistic regression results,  $F(1, 697) = 1.01, p = 0.3161$ ; Fair/poor health in 2017 OR = 0.80,  $p = 0.316$ , 95% CI (0.5, 1.2)

<sup>d</sup> Mixed effects logistic regression results,  $F(1, 181) = 1.44, p = 0.2323$ ; Fair/poor health in 2017 OR = 0.61,  $p = 0.232$ , 95% CI (0.3, 1.4)

<sup>e</sup> Mixed effects logistic regression results,  $F(1, 2,457) = 11.85, p = 0.006$ ; Fair/poor health in 2017 OR = 0.68,  $p = 0.001$ , 95% CI (0.5, 0.8)

<sup>f</sup> Mixed effects logistic regression results,  $F(1, 1,755) = 9.66, p = 0.0019$ ; Fair/poor health in 2017 OR = 0.68,  $p = 0.002$ , 95% CI (0.5, 0.9)

<sup>g</sup> Mixed effects logistic regression results,  $F(1, 1,737) = 9.73, p = 0.0018$ ; Fair/poor health in 2017 OR = 0.66,  $p = 0.002$ , 95% CI (0.5, 0.9)

<sup>h</sup> Mixed effects logistic regression results,  $F(1, 1,570) = 11.71, p = 0.0006$ ; Fair/poor health in 2017 OR = 0.63,  $p = 0.001$ , 95% CI (0.5, 0.8)

<sup>i</sup> Mixed effects logistic regression results,  $F(1, 604) = 1.03, p = 0.3097$ ; Fair/poor health in 2017 OR = 0.82,  $p = 0.310$ , 95% CI (0.6, 1.2)

### 1.3.3 Interaction between fair/poor health (change 2016-2017) and presence of a chronic condition, among all respondents

	aOR	Fair/poor health* 95% CI	p-value	aOR	Fair/poor health 95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	0.55	[0.299, 1.027]	0.061	0.66	[0.530, 0.816]	0.000
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	13.75	[7.556, 25.033]	0.000	14.91	[8.496, 26.163]	0.000
<b>Survey year*Chronic condition (2016 or 2017 survey and/or DW)</b>						
2017 × Yes	1.21	[0.628, 2.339]	0.566			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	3.26	[2.061, 5.170]	0.000	3.26	[2.060, 5.169]	0.000
51-64	2.94	[1.895, 4.570]	0.000	2.94	[1.894, 4.571]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.90	[0.630, 1.274]	0.541	0.90	[0.630, 1.275]	0.542
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	0.64	[0.416, 0.975]	0.038	0.64	[0.415, 0.976]	0.038
Hispanic	0.97	[0.419, 2.249]	0.944	0.97	[0.418, 2.250]	0.942
Other, non-Hispanic	1.03	[0.527, 2.010]	0.933	1.03	[0.527, 2.010]	0.933
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	0.32	[0.219, 0.482]	0.000	0.32	[0.219, 0.482]	0.000
100%+	0.24	[0.155, 0.379]	0.000	0.24	[0.155, 0.379]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	0.37	[0.247, 0.547]	0.000	0.37	[0.247, 0.547]	0.000
Bachelor's/post graduate degree	0.25	[0.138, 0.439]	0.000	0.25	[0.138, 0.440]	0.000
<b>Insurance status in 12 months prior to HMP (2016)</b>						
Insured/Don't know		Reference			Reference	
Uninsured	0.77	[0.542, 1.102]	0.155	0.77	[0.542, 1.103]	0.156
<b>Constant</b>	0.04	[0.017, 0.079]	0.000	0.03	[0.016, 0.073]	0.000
<b>Respondent</b>	15190.59	[593.887, 388548.686]	0.000	14944.58	[591.960, 377289.606]	0.000
N	6,098			6,098		
F-value	12.670			13.818		
Model degrees of freedom	14.000			13.000		
Residual degrees of freedom	3,037.000			3,037.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

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### 1.3.4 Predictors of fair/poor health (change 2016-2017), among respondents still enrolled and respondents still enrolled with two or more chronic conditions

	aOR	Fair/poor health <sup>a</sup> 95% CI	p-value		aOR	Fair/poor health <sup>b</sup> 95% CI	p-value
<b>Survey year</b>							
2016		Reference				Reference	
2017	0.62	[0.480, 0.795]	0.000		0.68	[0.532, 0.869]	0.002
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>							
No		Reference				Reference	
Yes	0.56	[0.347, 0.910]	0.019		0.59	[0.387, 0.894]	0.013
<b>Number of chronic conditions (DW)</b>	3.31	[2.740, 4.010]	0.000		2.60	[2.150, 3.155]	0.000
<b>Age (DW)</b>							
19-34		Reference				Reference	
35-50	1.40	[0.848, 2.304]	0.189		1.31	[0.765, 2.238]	0.327
51-64	0.78	[0.479, 1.285]	0.336		0.86	[0.519, 1.425]	0.559
<b>Gender (DW)</b>							
Male		Reference				Reference	
Female	0.85	[0.577, 1.259]	0.421		0.76	[0.521, 1.110]	0.156
<b>Race/ethnicity (2016)</b>							
White, non-Hispanic		Reference				Reference	
Black, non-Hispanic	0.64	[0.401, 1.018]	0.059		0.60	[0.383, 0.944]	0.027
Hispanic	0.68	[0.276, 1.665]	0.396		0.80	[0.328, 1.946]	0.621
Other, non-Hispanic	1.06	[0.500, 2.244]	0.881		1.05	[0.479, 2.292]	0.906
<b>FPL category (DW)</b>							
0-35%		Reference				Reference	
36-99%	0.55	[0.361, 0.836]	0.005		0.53	[0.351, 0.802]	0.003
100%+	0.41	[0.255, 0.657]	0.000		0.39	[0.242, 0.622]	0.000
<b>Highest level of education (2017)</b>							
High school or less		Reference				Reference	
Associate's degree/some college	0.41	[0.272, 0.622]	0.000		0.52	[0.347, 0.787]	0.002
Bachelor's/post graduate degree	0.39	[0.207, 0.752]	0.005		0.49	[0.250, 0.976]	0.042
<b>Constant</b>	0.05	[0.023, 0.088]	0.000		0.10	[0.047, 0.225]	0.000
<b>Respondent</b>	3353.64	[162.386, 69260.114]	0.000		257.82	[44.044, 1509.194]	0.000
N	4,706				3,480		
F-value	14.495				10.215		
Model degrees of freedom	13.000				13.000		
Residual degrees of freedom	2,341.000				1,728.000		
F-value significance	0.000				0.000		

**Notes:** Mixed effects logistic regression. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those still enrolled

<sup>b</sup> Analysis restricted to those with two or more chronic conditions

### 1.3.5 Predictors of fair/poor health (change 2016-2017), among respondents no longer enrolled and uninsured

	aOR	Fair/poor health 95% CI	p-value
<b>Survey year</b>			
2016		Reference	
2017	0.65	[0.297, 1.414]	0.274
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>			
No		Reference	
Yes	0.72	[0.155, 3.376]	0.678
<b>Number of chronic conditions (DW)</b>	2.18	[1.381, 3.450]	0.001
<b>Age (DW)</b>			
19-34		Reference	
35-50	2.91	[0.824, 10.260]	0.096
51-64	1.25	[0.310, 5.009]	0.756
<b>Gender (DW)</b>			
Male		Reference	
Female	0.30	[0.093, 0.945]	0.040
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.35	[0.079, 1.517]	0.158
Hispanic	1.60	[0.241, 10.625]	0.626
Other, non-Hispanic	0.56	[0.043, 7.404]	0.660
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.32	[0.090, 1.174]	0.086
100%+	0.34	[0.074, 1.563]	0.165
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	0.55	[0.174, 1.708]	0.296
Bachelor's/post graduate degree	0.54	[0.067, 4.390]	0.563
<b>Constant</b>	0.17	[0.026, 1.058]	0.057
<b>Respondent</b>	21.45	[0.657, 700.492]	0.084
N	382		
F-value	1.806		
Model degrees of freedom	13.000		
Residual degrees of freedom	179.000		
F-value significance	0.046		

**Notes:** Mixed effects logistic regression. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse. Variables are from both survey years unless otherwise noted.

1.3.6 Fair/poor health (2016, 2017, change 2016-2017) by follow-up group, among various chronic condition subgroups

	Percent	2016		Fair/poor health					N	Delta Percent
		SE	95%CI	N	Percent	2017 SE	95%CI			
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>	43.2	0.02	[38.9, 47.6]	800	37.0	0.02	[32.8, 41.2]	800	-6.2	
% Fair/poor health still enrolled	43.8	0.03	[38.8, 48.8]	619	36.6	0.02	[31.8, 41.3]	619	-7.2	
% Fair/poor health no longer enrolled	41.3	0.05	[32.2, 50.5]	181	38.5	0.05	[29.6, 47.5]	181	-2.8	
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>	47.4	0.02	[44.2, 50.5]	1,392	43.4	0.02	[40.3, 46.6]	1,392	-4	
% Fair/poor health still enrolled	48.6	0.02	[45.0, 52.2]	1,098	42.9	0.02	[39.3, 46.5]	1,098	-5.7	
% Fair/poor health no longer enrolled	42.9	0.03	[36.1, 49.7]	294	45.4	0.03	[38.5, 52.2]	294	2.5	
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>	49.1	0.04	[41.6, 56.7]	278	46.8	0.04	[39.2, 54.3]	278	-2.3	
% Fair/poor health still enrolled	48.0	0.04	[39.5, 56.5]	213	43.8	0.04	[35.5, 52.1]	213	-4.2	
% Fair/poor health no longer enrolled	52.7	0.08	[37.3, 68.2]	65	56.6	0.08	[41.5, 71.7]	65	3.9	
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>	49.1	0.02	[44.7, 53.4]	857	43.9	0.02	[39.6, 48.1]	857	-5.2	
% Fair/poor health still enrolled	48.9	0.03	[43.9, 53.9]	674	41.8	0.02	[37.0, 46.6]	674	-7.1	
% Fair/poor health no longer enrolled	49.8	0.04	[41.2, 58.5]	183	52.0	0.04	[43.4, 60.6]	183	2.2	
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>	46.8	0.02	[42.3, 51.3]	699	44.6	0.02	[40.1, 49.2]	699	-2.2	
% Fair/poor health still enrolled	47.0	0.03	[41.9, 52.2]	557	45.3	0.03	[40.1, 50.5]	557	-1.7	
% Fair/poor health no longer enrolled	46.0	0.05	[36.4, 55.6]	142	42.0	0.05	[32.4, 51.5]	142	-4.0	
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>	43.0	0.02	[39.9, 46.1]	1,550	38.0	0.02	[35.0, 41.1]	1,550	-5.0	
% Fair/poor health still enrolled	43.0	0.02	[39.5, 46.6]	1,208	37.4	0.02	[33.9, 40.8]	1,208	-5.6	
% Fair/poor health no longer enrolled	42.7	0.03	[36.3, 49.2]	342	40.3	0.03	[33.9, 46.7]	342	-2.4	
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>	51.7	0.03	[46.5, 56.9]	592	46.0	0.03	[40.9, 51.1]	592	-5.7	
% Fair/poor health still enrolled	52.7	0.03	[46.7, 58.8]	456	44.7	0.03	[38.8, 50.6]	456	-8	
% Fair/poor health no longer enrolled	48.3	0.05	[37.9, 58.6]	136	50.7	0.05	[40.4, 60.9]	136	2.4	

## 1.4 Improved health (from 2016-2017)

### 1.4.1 Improved health (from 2016-2017) by presence of a mental health condition and/or substance use disorder, among all respondents

	Improved health (from 2016-2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Mental health condition and/or substance use disorder (DW)</b>					
Yes (n=1,749)	12.7	[10.8, 14.9]	87.3	[85.1, 89.2]	100.0
No (n=1,348)	9.0	[7.2, 11.2]	91.0	[88.8, 92.8]	100.0
Pearson: Uncorrected chi2(1) =	10.4798				
Design-based F(1.00, 3085.00) =	6.1077	Pr =	0.014		
<b>Total (n=3,097)</b>	<b>11.1</b>	<b>[9.7, 12.6]</b>	<b>88.9</b>	<b>[87.4, 90.3]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.  $\phi = 0.06$

### 1.4.2 Improved health (from 2016-2017) by new chronic condition diagnosis (2016), among respondents with a chronic condition

	Improved health (from 2016-2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>New chronic condition diagnosis (2016)</b>					
Yes (n=634)	14.5	[11.6, 18.0]	85.5	[82.0, 88.4]	100.0
No (n=1,835)	12.3	[10.3, 14.5]	87.7	[85.5, 89.7]	100.0
Pearson: Uncorrected chi2(1) =	2.5600				
Design-based F(1.00, 3085.00) =	1.4096	Pr =	0.235		
<b>Total (n=2,469)</b>	<b>12.8</b>	<b>[11.2, 14.7]</b>	<b>87.2</b>	<b>[85.3, 88.8]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. New chronic condition diagnosis in 2016 was defined as a new diagnosis of asthma, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2016 as indicated by self-report. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.

**1.4.3 Improved health (from 2016-2017) by experience of homelessness (2017), housing insecurity (2017), and employment (2017), among respondents still enrolled**

	Improved health (from 2016-2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Homeless in the last 12 months (2017)</b>					
Yes (n=149)	11.7	[6.9, 19.4]	88.3	[80.6, 93.1]	100.0
No (n=2,233)	11.2	[9.6, 13.1]	88.8	[86.9, 90.4]	100.0
Pearson: Uncorrected chi2(1) =	0.0605				
Design-based F(1.00, 3079.00) =	0.0273	Pr =	0.869		
<b>Number of places lived in past 3 years (2017)</b>					
One (n=1,724)	11.6	[9.7, 13.8]	88.4	[86.2, 90.3]	100.0
Two (n=450)	9.0	[6.2, 12.9]	91.0	[87.1, 93.8]	100.0
Three (n=128)	11.8	[6.4, 20.7]	88.2	[79.3, 93.6]	100.0
Four or more (n=81)	14.5	[7.7, 25.6]	85.5	[74.4, 92.3]	100.0
Pearson: Uncorrected chi2(3) =	4.7255				
Design-based F(2.98, 9175.38) =	0.7166	Pr =	0.541		
<b>Employed/self-employed (2017)</b>					
Yes (n=1,319)	12.0	[9.7, 14.7]	88.0	[85.3, 90.3]	100.0
No (n=1,066)	10.5	[8.5, 12.8]	89.5	[87.2, 91.5]	100.0
Pearson: Uncorrected chi2(1) =	1.7756				
Design-based F(1.00, 3082.00) =	0.8415	Pr =	0.359		
<b>Total (n=2,388)</b>	<b>11.3</b>	<b>[9.7, 13.1]</b>	<b>88.7</b>	<b>[86.9, 90.3]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. For homeless in the last 12 months, and number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

**1.4.4 Improved health (from 2016-2017) by experience of homelessness (2017), housing insecurity (2017), employment (2017), and insurance status (2017), among respondents no longer enrolled**

	Improved health (from 2016-2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Homeless in the last 12 months (2017)</b>					
Yes (n=46)	13.5	[5.8, 28.3]	86.5	[71.7, 94.2]	100.0
No (n=661)	9.8	[7.3, 13.1]	90.2	[86.9, 92.7]	100.0
Pearson: Uncorrected chi2(1) =	3.6838				
Design-based F(1.00, 3083.00) =	0.5174	Pr =	0.472		
<b>Number of places lived in past 3 years (2017)</b>					
One (n=451)	10.3	[7.1, 14.8]	89.7	[85.2, 92.9]	100.0
Two (n=161)	11.9	[7.4, 18.5]	88.1	[81.5, 92.6]	100.0
Three (n=58)	5.8	[1.8, 16.9]	94.2	[83.1, 98.2]	100.0
Four or more (n=39)	11.1	[3.6, 29.1]	88.9	[70.9, 96.4]	100.0
Pearson: Uncorrected chi2(3) =	9.3223				
Design-based F(2.95, 9085.93) =	0.4470	Pr =	0.716		
<b>Employed/self-employed (2017)</b>					
Yes (n=423)	8.6	[5.8, 12.6]	91.4	[87.4, 94.2]	100.0
No (n=285)	13.2	[8.9, 19.0]	86.8	[81.0, 91.1]	100.0
Pearson: Uncorrected chi2(1) =	16.1823				
Design-based F(1.00, 3084.00) =	2.3636	Pr =	0.124		
<b>Insurance status (2017)</b>					
Insured (n=508)	9.9	[6.9, 13.8]	90.1	[86.2, 93.1]	100.0
Uninsured (n=193)	11.9	[7.5, 18.3]	88.1	[81.7, 92.5]	100.0
Pearson: Uncorrected chi2(1) =	2.9335				
Design-based F(1.00, 3077.00) =	0.4307	Pr =	0.512		
<b>Total (n=709)</b>	10.3	[7.8, 13.5]	89.7	[86.5, 92.2]	100.0

**Notes:**  $\chi^2$  test of independence. Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017. For homeless in the last 12 months, number of places lived in past 3 years, and insurance status, respondents who answered "Don't know" were excluded from the analysis.

## 1.5 Days poor physical health (change 2016-2017)

### 1.5.1 Days poor physical health (2016, 2017, change 2016-2017) by follow-up group, demographic characteristics (2017), presence of a chronic condition, presence of a mental health condition and/or substance use disorder, presence of a mental health condition, and presence of a substance use disorder, among all respondents

	Days poor physical health								Delta Mean
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	
<b>Follow-up group<sup>a</sup></b>									
Still enrolled	7.0	0.26	[6.5, 7.5]	2,360	5.6	0.23	[5.1, 6.0]	2,375	-1.4
No longer enrolled	6.8	0.47	[5.9, 7.7]	701	5.8	0.43	[5.0, 6.7]	702	-1.0
<b>Age (DW)</b>									
19-34	4.3	0.33	[3.7, 4.9]	901	3.0	0.25	[2.5, 3.5]	902	-1.3
35-50	8.2	0.43	[7.3, 9.0]	963	6.9	0.41	[6.1, 7.7]	964	-1.3
51-64	9.0	0.40	[8.2, 9.8]	1,197	7.6	0.36	[6.9, 8.3]	1,211	-1.4
<b>Gender (DW)</b>									
Male	6.8	0.36	[6.1, 7.6]	1,216	5.3	0.31	[4.7, 5.9]	1,223	-1.5
Female	7.0	0.28	[6.5, 7.6]	1,845	6.0	0.27	[5.4, 6.5]	1,854	-1.0
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic	7.5	0.30	[7.0, 8.1]	2,031	6.1	0.26	[5.6, 6.6]	2,042	-1.4
Black, non-Hispanic	5.9	0.45	[5.1, 6.8]	633	4.4	0.37	[3.6, 5.1]	633	-1.5
Hispanic	6.2	0.87	[4.5, 7.9]	135	5.5	0.98	[3.6, 7.4]	136	-0.7
Other, non-Hispanic	6.3	0.76	[4.9, 7.8]	226	6.3	0.80	[4.7, 7.9]	227	0.0
<b>FPL category (DW)</b>									
0-35%	8.1	0.38	[7.4, 8.9]	1,200	6.3	0.33	[5.7, 7.0]	1,212	-1.8
36-99%	5.9	0.33	[5.3, 6.6]	1,068	5.0	0.30	[4.4, 5.6]	1,077	-0.9
100%+	5.3	0.35	[4.6, 6.0]	793	4.8	0.35	[4.1, 5.4]	788	-0.5
<b>Region (DW)</b>									
UP/NW/NE	7.7	0.51	[6.7, 8.7]	566	7.0	0.49	[6.1, 8.0]	571	-0.7
W/E Central/E	7.7	0.40	[6.9, 8.5]	969	6.6	0.36	[5.9, 7.3]	972	-1.1
S Central/SW/SE	7.0	0.48	[6.1, 8.0]	626	5.9	0.43	[5.1, 6.8]	629	-1.1
Detroit Metro	6.2	0.38	[5.4, 6.9]	900	4.6	0.33	[3.9, 5.2]	905	-1.6
<b>Chronic condition (2016 or 2017 survey and/or DW)<sup>b</sup></b>									
No	2.7	0.34	[2.0, 3.4]	623	1.9	0.29	[1.3, 2.5]	627	-0.8
Yes	8.2	0.27	[7.7, 8.8]	2,438	6.8	0.25	[6.3, 7.3]	2,450	-1.4
<b>Mental health condition and/or substance use disorder (DW)<sup>c</sup></b>									
No	4.3	0.26	[3.7, 4.8]	1,336	3.3	0.22	[2.8, 3.7]	1,341	-1.0
Yes	9.1	0.34	[8.5, 9.8]	1,725	7.6	0.31	[7.0, 8.2]	1,736	-1.5
<b>Mental health condition (DW)<sup>d</sup></b>									
No	4.5	0.25	[4.0, 5.0]	1,502	3.4	0.21	[3.0, 3.8]	1,507	-1.1
Yes	9.5	0.37	[8.7, 10.2]	1,559	8.0	0.34	[7.3, 8.7]	1,570	-1.5
<b>Substance use disorder (DW)<sup>e</sup></b>									
No	6.1	0.24	[5.6, 6.6]	2,450	5.0	0.21	[4.6, 5.4]	2,464	-1.1
Yes	10.0	0.58	[8.9, 11.2]	611	8.1	0.53	[7.1, 9.2]	613	-1.9

<sup>a</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 1.09, p = 0.2969$

<sup>b</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 2.60, p = 0.1069$

<sup>c</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 1.60, p = 0.2060$

<sup>d</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 0.51, p = 0.4770$

<sup>e</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 2.04, p = 0.1529$

### 1.5.2 Days poor physical health (2016, 2017, change 2016-2017), among all respondents and various subgroups

	Days poor physical health								
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	Delta Mean
<b>All follow-up respondents<sup>a</sup></b>	6.9	0.23	[6.5, 7.4]	3,061	5.7	0.20	[5.3, 6.0]	3,077	-1.2
Among those still enrolled <sup>b</sup>	7.0	0.26	[6.5, 7.5]	2,360	5.6	0.23	[5.1, 6.0]	2,375	-1.4
Among those no longer enrolled <sup>c</sup>	6.8	0.46	[5.9, 7.7]	701	5.8	0.43	[5.0, 6.7]	702	-1.0
Among those no longer enrolled and uninsured <sup>d</sup>	4.9	0.73	[3.4, 6.3]	191	3.8	0.61	[2.6, 5.0]	191	-1.1
Among those with a chronic condition (2016 or 2017 and/or DW) <sup>e</sup>	8.2	0.27	[7.7, 8.8]	2,438	6.8	0.25	[6.3, 7.3]	2,450	-1.4
Among those with two or more chronic conditions (2016 or 2017 and/or DW) <sup>f</sup>	9.9	0.34	[9.3, 10.6]	1,740	8.5	0.32	[7.8, 9.1]	1,753	-1.4
Among those with a mental health condition and/or substance use disorder (DW) <sup>g</sup>	9.1	0.34	[8.5, 9.8]	1,725	7.6	0.31	[7.0, 8.2]	1,736	-1.5
Among those with a mental health condition (DW) <sup>h</sup>	9.5	0.36	[8.7, 10.2]	1,559	8.0	0.34	[7.3, 8.7]	1,570	-1.5
Among those with a substance use disorder (DW) <sup>i</sup>	10.0	0.58	[8.9, 11.2]	611	8.1	0.53	[7.1, 9.2]	613	-1.9

<sup>a</sup> Paired sample t-test results, difference in days = -1.2,  $t(3,031) = -6.10$ ,  $p < 0.001$ , 95% CI (-1.7, -0.9)

<sup>b</sup> Paired sample t-test results, difference in days = -1.4,  $t(2,335) = -5.65$ ,  $p < 0.001$ , 95% CI (-1.9, -0.9)

<sup>c</sup> Paired sample t-test results, difference in days = -0.9,  $t(684) = -2.30$ ,  $p = 0.022$ , 95% CI (-1.7, -0.1)

<sup>d</sup> Paired sample t-test results, difference in days = -0.9,  $t(177) = -1.20$ ,  $p = 0.232$ , 95% CI (-2.5, -0.6)

<sup>e</sup> Paired sample t-test results, difference in days = -1.5,  $t(2,409) = -5.57$ ,  $p < 0.001$ , 95% CI (-2.0, -0.9)

<sup>f</sup> Paired sample t-test results, difference in days = -1.5,  $t(1,716) = -4.39$ ,  $p < 0.001$ , 95% CI (-2.1, -0.8)

<sup>g</sup> Paired sample t-test results, difference in days = -1.5,  $t(1,702) = -4.83$ ,  $p < 0.001$ , 95% CI (-2.2, -0.9)

<sup>h</sup> Paired sample t-test results, difference in days = -1.5,  $t(1,537) = -4.32$ ,  $p < 0.001$ , 95% CI (-2.1, -0.8)

<sup>i</sup> Paired sample t-test results, difference in days = -2.0,  $t(596) = -3.79$ ,  $p < 0.001$ , 95% CI (-3.0, -1.0)

### 1.5.3 Predictors of days poor physical health (change 2016-2017), among all respondents

	Days poor physical health		
	Coef.	95% CI	p-value
<b>Survey year</b>			
2016		Reference	
2017	-1.32	[-1.740,- 0.894]	0.000
<b>Number of chronic conditions (DW)</b>	2.28	[2.028, 2.530]	0.000
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>			
No		Reference	
Yes	-1.38	[-2.334,- 0.429]	0.004
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.67	[0.851, 2.487]	0.000
51-64	1.09	[0.264, 1.907]	0.010
<b>Gender (DW)</b>			
Male		Reference	
Female	0.46	[-0.234, 1.148]	0.194
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	-2.26	[-3.010,- 1.510]	0.000
Hispanic	0.20	[-1.344, 1.748]	0.798
Other, non-Hispanic	0.22	[-1.021, 1.468]	0.725
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	-1.41	[-2.150,- 0.665]	0.000
100%+	-1.70	[-2.489,- 0.904]	0.000
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	-0.24	[-0.951, 0.477]	0.516
Bachelor's/post graduate degree	-0.80	[-1.800, 0.195]	0.115
<b>Constant</b>	3.36	[2.396, 4.330]	0.000
<b>Respondent</b>	31.92	[27.064, 36.779]	0.000
<b>Days poor physical health residuals</b>	51.66	[46.935, 56.382]	0.000
N	6,049		
F-value	47.967		
Model degrees of freedom	13.000		
Residual degrees of freedom	3,037.000		
F-value significance	0.000		

**Notes:** Mixed effects linear regression. Variables are from both survey years unless otherwise noted. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse.

### 1.5.4 Interaction between days poor physical health (change 2016-2017) and presence of a chronic condition, among all respondents

	Days poor physical health*			Days poor physical health		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	-0.81	[-1.426,- 0.200]	0.009	-1.31	[-1.737,- 0.890]	0.000
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	4.35	[3.472, 5.222]	0.000	4.02	[3.299, 4.740]	0.000
<b>Survey year*Chronic condition (2016 or 2017 survey and/or DW)</b>						
2017 × Yes	-0.65	[-1.456, 0.150]	0.111			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	3.00	[2.136, 3.862]	0.000	3.00	[2.136, 3.861]	0.000
51-64	3.30	[2.448, 4.148]	0.000	3.30	[2.448, 4.148]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.60	[-0.143, 1.338]	0.114	0.60	[-0.143, 1.339]	0.114
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	-2.20	[-3.018,- 1.379]	0.000	-2.20	[-3.018,- 1.380]	0.000
Hispanic	-0.12	[-1.760, 1.521]	0.886	-0.12	[-1.760, 1.520]	0.886
Other, non-Hispanic	0.27	[-1.043, 1.587]	0.685	0.27	[-1.042, 1.588]	0.684
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	-1.87	[-2.667,- 1.070]	0.000	-1.87	[-2.668,- 1.071]	0.000
100%+	-2.15	[-2.982,- 1.317]	0.000	-2.15	[-2.981,- 1.317]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	-0.46	[-1.244, 0.316]	0.244	-0.46	[-1.244, 0.316]	0.243
Bachelor's/post graduate degree	-1.47	[-2.532,- 0.417]	0.006	-1.47	[-2.531,- 0.417]	0.006
<b>Insurance status in 12 months prior to HMP (2016)</b>						
Insured/Don't know		Reference			Reference	
Uninsured	-0.67	[-1.395, 0.050]	0.068	-0.67	[-1.396, 0.049]	0.068
<b>Constant</b>	3.60	[2.407, 4.791]	0.000	3.85	[2.695, 5.006]	0.000
<b>Respondent</b>	39.05	[33.819, 44.282]	0.000	39.03	[33.794, 44.262]	0.000
<b>Days poor physical health residuals</b>	51.67	[46.946, 56.402]	0.000	51.71	[46.984, 56.445]	0.000
N	6,045			6,045		
F-value	28.811			30.595		
Model degrees of freedom	14.000			13.000		
Residual degrees of freedom	3,035.000			3,035.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects linear regression. Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

### 1.5.5 Predictors of days poor physical health (change 2016-2017), among respondents still enrolled and respondents with two or more chronic conditions

	Days poor physical health <sup>a</sup>			Days poor physical health <sup>b</sup>		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	-1.44	[-1.943,- 0.942]	0.000	-1.49	[-2.155,- 0.830]	0.000
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	-1.52	[-2.619,- 0.431]	0.006	-1.01	[-2.185, 0.165]	0.092
<b>Number of chronic conditions (DW)</b>	2.32	[2.050, 2.595]	0.000	2.41	[1.934, 2.884]	0.000
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	1.79	[0.851, 2.726]	0.000	2.24	[0.830, 3.641]	0.002
51-64	1.07	[0.145, 1.992]	0.023	1.86	[0.539, 3.188]	0.006
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.43	[-0.361, 1.225]	0.286	0.05	[-1.023, 1.119]	0.930
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	-2.19	[-3.054,- 1.325]	0.000	-3.39	[-4.536,- 2.234]	0.000
Hispanic	-0.01	[-1.507, 1.489]	0.991	-0.35	[-2.912, 2.221]	0.792
Other, non-Hispanic	0.41	[-1.050, 1.865]	0.583	0.22	[-1.852, 2.297]	0.834
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	-0.92	[-1.767,- 0.067]	0.035	-1.65	[-2.809,- 0.497]	0.005
100%+	-1.60	[-2.467,- 0.733]	0.000	-2.12	[-3.403,- 0.835]	0.001
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	0.07	[-0.739, 0.873]	0.870	-0.02	[-1.129, 1.090]	0.972
Bachelor's/post graduate degree	-0.16	[-1.454, 1.127]	0.803	0.00	[-2.043, 2.052]	0.997
<b>Constant</b>	2.84	[1.837, 3.837]	0.000	2.90	[0.906, 4.890]	0.004
<b>Respondent</b>	30.26	[24.793, 35.726]	0.000	46.00	[38.531, 53.465]	0.000
<b>Days poor physical health residuals</b>	53.39	[47.784, 58.997]	0.000	69.16	[61.998, 76.331]	0.000
N	4,667			3,440		
F-value	38.359			18.079		
Model degrees of freedom	13.000			13.000		
Residual degrees of freedom	2,341.000			1,726.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects linear regression. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those still enrolled

<sup>b</sup> Analysis restricted to those with two or more chronic conditions

1.5.6 Days poor physical health (2016, 2017, change 2016-2017) by follow-up group, among chronic condition subgroups

	Days poor physical health									Delta Mean
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N		
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>	9.3	0.50	[8.3, 10.3]	789	7.9	0.47	[7.0, 8.8]	793	-1.4	
Still enrolled	9.3	0.56	[8.2, 10.4]	610	7.7	0.52	[6.7, 8.7]	614	-1.6	
No longer enrolled	9.3	1.12	[7.1, 11.5]	179	8.5	1.06	[6.4, 10.5]	179	-0.8	
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>	12.0	0.40	[11.2, 12.7]	1,377	9.9	0.38	[9.2, 10.6]	1,384	-2.1	
Still enrolled	12.0	0.45	[11.1, 12.9]	1,086	9.7	0.42	[8.9, 10.5]	1,093	-2.3	
No longer enrolled	11.9	0.87	[10.2, 13.6]	291	10.6	0.86	[8.9, 12.3]	291	-1.3	
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>	11.5	0.95	[9.6, 13.4]	276	9.5	0.90	[7.7, 11.2]	277	-2.0	
Still enrolled	11.4	1.06	[9.3, 13.5]	211	8.8	0.94	[7.0, 10.7]	212	-2.6	
No longer enrolled	11.7	2.09	[7.6, 15.9]	65	11.6	2.10	[7.4, 15.7]	65	-0.1	
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>	10.6	0.51	[9.6, 11.6]	844	8.8	0.46	[7.9, 9.7]	852	-1.8	
Still enrolled	10.3	0.57	[9.2, 11.4]	663	8.3	0.50	[7.3, 9.3]	671	-2.0	
No longer enrolled	11.9	1.11	[9.8, 14.1]	181	10.5	1.11	[8.3, 12.7]	181	-1.4	
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>	10.1	0.53	[9.0, 11.1]	686	8.9	0.51	[7.9, 9.9]	694	-1.2	
Still enrolled	10.2	0.60	[9.1, 11.4]	546	9.0	0.58	[7.9, 10.1]	554	-1.2	
No longer enrolled	9.4	1.10	[7.3, 11.6]	140	8.6	1.01	[6.6, 10.6]	140	-0.8	
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>	9.1	0.36	[8.4, 9.8]	1,528	7.3	0.32	[6.7, 8.0]	1,540	-1.8	
Still enrolled	9.1	0.41	[8.3, 9.9]	1,190	7.1	0.35	[6.4, 7.8]	1,202	-2.0	
No longer enrolled	8.9	0.75	[7.4, 10.4]	338	8.2	0.72	[6.8, 9.6]	338	-0.7	
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>	10.6	0.64	[9.3, 11.8]	580	8.7	0.57	[7.6, 9.8]	585	-1.9	
Still enrolled	10.3	0.72	[8.9, 11.7]	447	8.4	0.62	[7.2, 9.6]	455	-1.9	
No longer enrolled	11.4	1.32	[8.8, 14.0]	133	10.0	1.33	[7.4, 12.6]	130	-1.4	

Note: Weighted means among chronic conditions subgroups, as defined by self-report and claims data.

**1.5.7 Average decrease in days poor physical health (change 2016-2017) by experience of homelessness (2017), housing insecurity (2017), and employment (2017), among respondents still enrolled**

	Mean	SE	95%CI	N
<b>Homeless in the last 12 months (2017)</b>				
Yes	-1.3	0.97	[-3.2, 0.7]	149
No	-1.4	0.26	[-2.0,- 0.9]	2192
<b>Number of places lived in past 3 years (2017)</b>				
One	-1.6	0.30	[-2.2,- 1.0]	1693
Two	-0.7	0.59	[-1.8, 0.5]	442
Three	-1.9	1.01	[-3.9, 0.1]	128
Four or more	-0.8	1.27	[-3.3, 1.7]	79
<b>Employed/self-employed (2017)</b>				
Yes	-1.5	0.31	[-2.1,- 0.9]	1306
No	-1.4	0.42	[-2.2,- 0.6]	1038
<b>Total</b>	<b>-1.4</b>	<b>0.25</b>	<b>[-1.9,- 0.9]</b>	<b>2347</b>

**Notes:** For homeless in the last 12 months, and number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

**1.5.8 Average decrease in days poor physical health (change 2016-2017) by experience of homelessness (2017), housing insecurity (2017), employment (2017), and insurance status (2017), among respondents no longer enrolled**

	Mean	SE	95%CI	N
<b>Homeless in the last 12 months (2017)</b>				
Yes	0.6	1.80	[-2.9, 4.2]	45
No	-1.0	0.39	[-1.8, - 0.3]	649
<b>Number of places lived in past 3 years (2017)</b>				
One	-0.9	0.47	[-1.9, - 0.0]	442
Two	-2.0	0.88	[-3.7, - 0.3]	159
Three	0.8	1.08	[-1.3, 2.9]	57
Four or more	0.7	1.75	[-2.7, 4.1]	38
<b>Employed/self-employed (2017)</b>				
Yes	-0.4	0.43	[-1.3, 0.5]	419
No	-1.8	0.75	[-3.2, - 0.3]	276
<b>Insurance status (2017)</b>				
Insured	-1.1	0.45	[-2.0, - 0.2]	499
Uninsured	-0.9	0.78	[-2.5, 0.6]	189
<b>Total</b>	<b>-0.9</b>	<b>0.39</b>	<b>[-1.7, - 0.1]</b>	<b>696</b>

**Notes:** For homeless in the last 12 months, number of places lived in past 3 years, and insurance status, respondents who answered "Don't know" were excluded from the analysis.

1.5.9 Days poor physical health (2016, 2017, change 2016-2017) by new chronic condition diagnosis (2016), among respondents with a chronic condition

	Days poor physical health								Delta Mean
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	
<b>New chronic condition diagnosis (2016)</b>									
Yes	11.4	0.58	[10.2, 12.5]	625	9.4	0.54	[8.3, 10.5]	631	-2.0
No	7.2	0.30	[6.6, 7.8]	1,813	6.0	0.27	[5.4, 6.5]	1,819	

Notes: Two factor repeated measures ANOVA results,  $F(1, 3,083) = 1.91, p = 0.1671$ . New chronic condition diagnosis in 2016 was defined as a new diagnosis of asthma, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2016 as indicated by self-report.

## 1.6 Days poor mental health (change 2016-2017)

1.6.1 Days poor mental health (2016, 2017, change 2016-2017) by follow-up group, demographic characteristics, presence of a chronic condition, presence of a mental health condition and/or substance use disorder, presence of a mental health condition, and presence of a substance use disorder, among all respondents

	Days poor mental health								Delta Mean
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	
<b>Follow-up group<sup>a</sup></b>									
Still enrolled	6.1	0.28	[5.5, 6.6]	2,333	5.8	0.25	[5.3, 6.3]	2,364	-0.3
No longer enrolled	5.7	0.43	[4.8, 6.5]	698	6.0	0.48	[5.0, 6.9]	704	0.3
<b>Age (DW)</b>									
19-34	4.9	0.39	[4.2, 5.7]	892	5.2	0.36	[4.5, 6.0]	898	0.3
35-50	6.9	0.44	[6.0, 7.7]	951	6.8	0.43	[6.0, 7.7]	963	-0.1
51-64	6.3	0.38	[5.6, 7.0]	1,188	5.4	0.34	[4.7, 6.0]	1,207	-0.9
<b>Gender (DW)</b>									
Male	5.8	0.37	[5.1, 6.6]	1,207	5.1	0.33	[4.5, 5.8]	1,218	-0.7
Female	6.1	0.30	[5.5, 6.7]	1,824	6.4	0.29	[5.8, 7.0]	1,850	0.3
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic	6.7	0.32	[6.1, 7.3]	2,021	6.2	0.29	[5.6, 6.8]	2,038	-0.5
Black, non-Hispanic	4.6	0.42	[3.8, 5.4]	621	4.7	0.44	[3.9, 5.6]	631	0.1
Hispanic	5.0	0.95	[3.1, 6.8]	136	5.0	0.82	[3.4, 6.6]	135	0.0
Other, non-Hispanic	5.7	0.84	[4.0, 7.4]	218	6.7	0.85	[5.1, 8.4]	226	1.0
<b>FPL category (DW)</b>									
0-35%	7.3	0.39	[6.5, 8.0]	1,197	6.7	0.36	[5.9, 7.4]	1,205	-0.6
36-99%	4.7	0.31	[4.1, 5.3]	1,056	5.1	0.32	[4.5, 5.8]	1,070	0.4
100%+	4.3	0.39	[3.6, 5.1]	778	4.6	0.38	[3.8, 5.3]	793	0.3
<b>Region (DW)</b>									
UP/NW/NE	6.2	0.49	[5.2, 7.1]	563	5.5	0.45	[4.6, 6.4]	568	-0.7
W/E Central/E	6.3	0.39	[5.6, 7.1]	955	6.5	0.40	[5.7, 7.3]	963	0.2
S Central/SW/SE	6.9	0.51	[5.9, 7.9]	624	6.8	0.43	[6.0, 7.7]	630	-0.1
Detroit Metro	5.3	0.41	[4.5, 6.1]	889	5.0	0.38	[4.2, 5.7]	907	-0.3
<b>Chronic condition (2016 or 2017 survey and/or DW)<sup>b</sup></b>									
No	2.3	0.36	[1.6, 3.0]	626	1.9	0.25	[1.4, 2.4]	623	-0.4
Yes	6.2	0.25	[5.7, 6.7]	2,418	6.0	0.24	[5.5, 6.5]	2,445	-0.2
<b>Mental health condition and/or substance use disorder (DW)<sup>c</sup></b>									
No	2.5	0.21	[2.1, 2.9]	1,334	2.5	0.21	[2.1, 2.9]	1,340	0.0
Yes	7.5	0.33	[6.9, 8.2]	1,710	7.1	0.30	[6.5, 7.7]	1,728	-0.4
<b>Mental health condition (DW)<sup>d</sup></b>									
No	2.6	0.20	[2.2, 3.0]	1,498	2.7	0.21	[2.3, 3.1]	1,505	0.1
Yes	8.0	0.36	[7.3, 8.7]	1,546	7.5	0.32	[6.9, 8.1]	1,563	-0.5
<b>Substance use disorder (DW)<sup>e</sup></b>									
No	4.4	0.22	[4.0, 4.8]	2,444	4.2	0.20	[3.8, 4.5]	2,459	-0.2
Yes	8.5	0.55	[7.4, 9.6]	600	8.3	0.53	[7.3, 9.4]	609	-0.3

<sup>a</sup> Two factor repeated measures ANOVA results,  $F(1, 3,077) = 1.34, p = 0.2463$ .

<sup>b</sup> Two factor repeated measures ANOVA results,  $F(1, 3,077) = 0.01, p = 0.9170$ .

<sup>c</sup> Two factor repeated measures ANOVA results,  $F(1, 3,077) = 0.07, p = 0.7890$ .

<sup>d</sup> Two factor repeated measures ANOVA results,  $F(1, 3,077) = 0.06, p = 0.8075$ .

<sup>e</sup> Two factor repeated measures ANOVA results,  $F(1, 3,077) = 1.79, p = 0.1813$ .

1.6.2 Days poor mental health (2016, 2017, change 2016-2017), among all respondents and various subgroups

	Days poor mental health								Delta Mean
	Mean	2016 SE	2016 95%CI	N	Mean	2017 SE	2017 95%CI	N	
All follow-up respondents <sup>a</sup>	6.0	0.24	[5.5, 6.4]	3,031	5.8	0.22	[5.4, 6.3]	3,068	-0.2
Among those still enrolled <sup>b</sup>	6.1	0.28	[5.5, 6.6]	2,333	5.8	0.25	[5.3, 6.3]	2,364	-0.3
Among those no longer enrolled <sup>c</sup>	5.7	0.43	[4.8, 6.5]	698	6.0	0.48	[5.0, 6.9]	704	0.3
Among those no longer enrolled and uninsured <sup>d</sup>	5.6	0.80	[4.0, 7.1]	193	5.6	0.94	[3.7, 7.5]	193	0.0
Among those with a chronic condition (2016 or 2017 survey and/or DW) <sup>e</sup>	6.7	0.28	[6.1, 7.2]	2,411	6.5	0.26	[6.0, 7.1]	2,449	-0.2
Among respondents with two or more chronic conditions (2016 or 2017 survey and/or DW) <sup>f</sup>	7.9	0.35	[7.2, 8.6]	1,723	7.5	0.33	[6.9, 8.1]	1,750	-0.4
Among those with a mental health condition and/or substance use disorder (DW) <sup>g</sup>	8.9	0.36	[8.1, 9.6]	1,704	8.6	0.34	[8.0, 9.3]	1,726	-0.3
Among those with a mental health condition (DW) <sup>h</sup>	9.6	0.39	[8.8, 10.3]	1,539	9.3	0.36	[8.6, 10.1]	1,560	-0.3
Among those with a substance use disorder (DW) <sup>i</sup>	9.3	0.62	[8.1, 10.5]	602	8.5	0.57	[7.5, 9.7]	608	-0.7

<sup>a</sup> Paired sample t-test results, difference in days = -0.2, t(2,998) = -1.07, p = 0.284, 95% CI (-0.7, 0.2)

<sup>b</sup> Paired sample t-test results, difference in days = -0.4, t(2,303) = -1.55, p = 0.122, 95% CI (-0.9, 0.1)

<sup>c</sup> Paired sample t-test results, difference in days = -0.2, t(683) = 0.53, p = 0.600, 95% CI (-0.7, 1.2)

<sup>d</sup> Paired sample t-test results, difference in days = 0.0, t(181) = 0.04, p = 0.969, 95% CI (-1.9, 2.0)

<sup>e</sup> Paired sample t-test results, difference in days = -0.2, t(2,385) = -0.90, p = 0.366, 95% CI (-0.7, 0.3)

<sup>f</sup> Paired sample t-test results, difference in days = -0.5, t(1,700) = -1.45, p = 0.146, 95% CI (-1.1, 0.2)

<sup>g</sup> Paired sample t-test results, difference in days = -0.3, t(1,676) = -0.88, p = 0.380, 95% CI (-1.0, 0.4)

<sup>h</sup> Paired sample t-test results, difference in days = -0.3, t(1,512) = -0.78, p = 0.436, 95% CI (-1.0, 0.4)

<sup>i</sup> Paired sample t-test results, difference in days = -1.0, t(584) = -1.68, p = 0.094, 95% CI (-2.1, 0.2)

### 1.6.3 Predictors of days poor mental health (change 2016-2017), among all respondents

	Days poor mental health		
	Coef.	95% CI	p-value
<b>Survey year</b>			
2016		Reference	
2017	-0.23	[-0.658, 0.200]	0.296
<b>Number of chronic conditions (DW)</b>	1.32	[1.050, 1.598]	0.000
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>			
No		Reference	
Yes	-0.00	[-1.083, 1.075]	0.994
<b>Age (DW)</b>			
19-34		Reference	
35-50	0.31	[-0.690, 1.307]	0.545
51-64	-1.53	[-2.475, -0.594]	0.001
<b>Gender (DW)</b>			
Male		Reference	
Female	1.06	[0.268, 1.861]	0.009
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	-2.40	[-3.279, -1.527]	0.000
Hispanic	-0.96	[-2.484, 0.564]	0.217
Other, non-Hispanic	-0.00	[-1.421, 1.412]	0.995
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	-2.02	[-2.873, -1.163]	0.000
100%+	-2.49	[-3.417, -1.555]	0.000
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	0.28	[-0.572, 1.142]	0.515
Bachelor's/post graduate degree	-1.25	[-2.159, -0.333]	0.007
<b>Constant</b>	5.13	[3.993, 6.259]	0.000
<b>Respondent</b>	40.49	[34.774, 46.199]	0.000
<b>Days poor mental health residuals</b>	48.03	[43.126, 52.936]	0.000
N	6,013		
F-value	14.280		
Model degrees of freedom	13.000		
Residual degrees of freedom	3,032.000		
F-value significance	0.000		

**Notes:** Mixed effects linear regression. Variables are from both survey years unless otherwise noted. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse.

#### 1.6.4 Interaction between days poor mental health (change 2016-2017) and presence of a chronic condition, among all respondents

	Days poor mental health*			Days poor mental health		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	-0.31	[-1.140, 0.517]	0.461	-0.23	[-0.659, 0.201]	0.296
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	2.77	[1.717, 3.825]	0.000	2.82	[1.945, 3.704]	0.000
<b>Survey year*Chronic condition (2016 or 2017 survey and/or DW)</b>						
2017 × Yes	0.11	[-0.862, 1.077]	0.828			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	1.05	[0.025, 2.078]	0.045	1.05	[0.025, 2.078]	0.045
51-64	-0.33	[-1.292, 0.639]	0.507	-0.33	[-1.292, 0.639]	0.508
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.15	[0.342, 1.955]	0.005	1.15	[0.342, 1.955]	0.005
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	-2.37	[-3.274,- 1.460]	0.000	-2.37	[-3.274,- 1.460]	0.000
Hispanic	-1.18	[-2.719, 0.364]	0.134	-1.18	[-2.718, 0.365]	0.135
Other, non-Hispanic	0.05	[-1.406, 1.515]	0.942	0.05	[-1.406, 1.516]	0.941
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	-2.32	[-3.189,- 1.457]	0.000	-2.32	[-3.189,- 1.457]	0.000
100%+	-2.77	[-3.717,- 1.826]	0.000	-2.77	[-3.717,- 1.826]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	0.14	[-0.735, 1.010]	0.757	0.14	[-0.735, 1.010]	0.757
Bachelor's/post graduate degree	-1.65	[-2.605,- 0.688]	0.001	-1.65	[-2.605,- 0.688]	0.001
<b>Insurance status in 12 months prior to HMP (2016)</b>						
Insured/Don't know		Reference			Reference	
Uninsured	-0.61	[-1.442, 0.217]	0.148	-0.61	[-1.442, 0.216]	0.147
<b>Constant</b>	5.42	[4.027, 6.805]	0.000	5.38	[4.062, 6.688]	0.000
<b>Respondent</b>	42.72	[37.002, 48.442]	0.000	42.72	[37.002, 48.443]	0.000
<b>Days poor mental health residuals</b>	48.07	[43.166, 52.984]	0.000	48.08	[43.166, 52.985]	0.000
N	6,009			6,009		
F-value	8.614			9.195		
Model degrees of freedom	14.000			13.000		
Residual degrees of freedom	3,030.000			3,030.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects linear regression. Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

### 1.6.5 Predictors of days poor mental health (change 2016-2017), among respondents still enrolled and respondents with two or more chronic conditions

	Days poor mental health <sup>a</sup>			Days poor mental health <sup>b</sup>		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	-0.37	[-0.853, 0.113]	0.133	-0.42	[-1.058, 0.213]	0.193
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	-0.78	[-1.910, 0.343]	0.173	-0.02	[-1.283, 1.240]	0.974
<b>Number of chronic conditions (DW)</b>	1.50	[1.193, 1.808]	0.000	1.14	[0.635, 1.648]	0.000
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.40	[-0.755, 1.561]	0.495	-0.24	[-1.963, 1.476]	0.781
51-64	-1.62	[-2.688, -0.557]	0.003	-2.19	[-3.793, -0.585]	0.008
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	1.21	[0.298, 2.132]	0.009	0.95	[-0.226, 2.126]	0.113
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	-2.38	[-3.408, -1.346]	0.000	-2.86	[-4.144, -1.574]	0.000
Hispanic	-0.68	[-2.512, 1.143]	0.463	-1.50	[-3.921, 0.916]	0.223
Other, non-Hispanic	-0.01	[-1.599, 1.575]	0.988	0.50	[-1.906, 2.910]	0.683
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	-1.94	[-2.902, -0.970]	0.000	-2.16	[-3.425, -0.903]	0.001
100%+	-2.68	[-3.693, -1.676]	0.000	-2.74	[-4.123, -1.360]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	0.26	[-0.720, 1.230]	0.608	-0.07	[-1.300, 1.162]	0.912
Bachelor's/post graduate degree	-0.75	[-1.884, 0.382]	0.194	-1.26	[-2.903, 0.386]	0.134
<b>Constant</b>	4.74	[3.424, 6.062]	0.000	6.80	[4.280, 9.311]	0.000
<b>Respondent</b>	41.09	[34.472, 47.716]	0.000	54.58	[46.214, 62.937]	0.000
<b>Days poor mental health residuals</b>	48.03	[42.495, 53.571]	0.000	58.51	[51.293, 65.723]	0.000
N	4,631			3,422		
F-value	12.223			5.443		
Model degrees of freedom	13.000			13.000		
Residual degrees of freedom	2,335.000			1,722.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects linear regression. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those still enrolled

<sup>b</sup> Analysis restricted to those with two or more chronic conditions

1.6.6 Days poor mental health (2016, 2017, change 2016-2017) by follow-up group, among chronic condition subgroups

	Days poor mental health								
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	Delta Mean
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>	7.5	0.48	[6.5, 8.4]	781	7.1	0.47	[6.2, 8.0]	789	-0.4
Still enrolled	8.0	0.56	[6.9, 9.1]	606	7.1	0.51	[6.1, 8.2]	610	-0.9
No longer enrolled	5.5	0.87	[3.8, 7.2]	175	7.0	1.10	[4.9, 9.2]	179	1.5
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>	8.0	0.38	[7.2, 8.7]	1,356	7.7	0.36	[7.0, 8.4]	1,377	-0.3
Still enrolled	8.3	0.44	[7.4, 9.1]	1,069	7.6	0.40	[6.8, 8.4]	1,085	-0.7
No longer enrolled	7.0	0.75	[5.5, 8.5]	287	8.0	0.86	[6.3, 9.7]	292	1.0
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>	7.7	0.85	[6.0, 9.4]	274	6.7	0.80	[5.1, 8.2]	276	-1.0
Still enrolled	7.6	0.98	[5.7, 9.6]	211	6.2	0.78	[4.6, 7.7]	212	-1.4
No longer enrolled	7.9	1.74	[4.5, 11.4]	63	8.2	2.15	[4.0, 12.5]	64	0.3
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>	8.1	0.51	[7.1, 9.1]	835	7.9	0.49	[6.9, 8.8]	847	-0.2
Still enrolled	8.5	0.60	[7.3, 9.7]	655	7.9	0.54	[6.8, 8.9]	666	-0.6
No longer enrolled	6.6	0.85	[4.9, 8.2]	180	7.9	1.10	[5.7, 10.0]	181	1.3
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>	8.0	0.57	[6.9, 9.1]	678	8.1	0.57	[7.0, 9.2]	695	0.1
Still enrolled	8.2	0.66	[6.9, 9.5]	539	8.2	0.64	[6.9, 9.4]	553	0.0
No longer enrolled	7.4	1.07	[5.3, 9.5]	139	7.7	1.18	[5.4, 10.0]	142	0.3
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>	7.2	0.36	[6.5, 7.9]	1,517	6.9	0.34	[6.2, 7.6]	1,538	-0.3
Still enrolled	7.4	0.42	[6.6, 8.2]	1,181	6.7	0.37	[6.0, 7.5]	1,198	-0.7
No longer enrolled	6.6	0.68	[5.3, 7.9]	336	7.4	0.80	[5.9, 9.0]	340	0.8
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>	8.2	0.63	[7.0, 9.5]	579	7.4	0.57	[6.2, 8.5]	588	-0.8
Still enrolled	8.1	0.74	[6.6, 9.6]	445	7.3	0.62	[6.1, 8.5]	454	-0.8
No longer enrolled	8.6	1.15	[6.3, 10.9]	134	7.6	1.31	[5.0, 10.1]	134	-1.0

Note: Weighted means among chronic conditions subgroups, as defined by self-report and claims data.

**1.6.7 Average decrease in days poor mental health (change 2016-2017) by experience of homelessness (2017), housing insecurity (2017), and employment (2017), among respondents still enrolled**

	Mean	SE	95%CI	N
<b>Homeless in the last 12 months (2017)</b>				
Yes	-2.6	1.14	[-4.9,- 0.4]	145
No	-0.2	0.25	[-0.7, 0.3]	2165
<b>Number of places lived in past 3 years (2017)</b>				
One	-0.3	0.27	[-0.9, 0.2]	1669
Two	-0.3	0.58	[-1.4, 0.8]	439
Three	-0.7	1.21	[-3.1, 1.7]	126
Four or more	-1.5	1.95	[-5.3, 2.3]	77
<b>Employed/self-employed (2017)</b>				
Yes	-0.3	0.30	[-0.9, 0.3]	1288
No	-0.5	0.41	[-1.3, 0.3]	1024
<b>Total</b>	<b>-0.4</b>	<b>0.25</b>	<b>[-0.9, 0.1]</b>	<b>2315</b>

**Notes:** For homeless in the last 12 months, and number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

**1.6.8 Average decrease in days poor mental health (change 2016-2017) by experience of homelessness (2017), housing insecurity (2017), employment (2017), and insurance status (2017), among respondents no longer enrolled**

	Mean	SE	95%CI	N
<b>Homeless in the last 12 months (2017)</b>				
Yes	-0.6	2.43	[-5.3, 4.2]	42
No	0.4	0.46	[-0.5, 1.3]	651
<b>Number of places lived in past 3 years (2017)</b>				
One	-0.0	0.53	[-1.1, 1.0]	442
Two	0.6	1.19	[-1.7, 2.9]	159
Three	0.6	1.63	[-2.6, 3.8]	57
Four or more	1.0	1.75	[-2.4, 4.4]	37
<b>Employed/self-employed (2017)</b>				
Yes	-0.4	0.48	[-1.3, 0.6]	418
No	1.3	0.96	[-0.6, 3.2]	276
<b>Insurance status (2017)</b>				
Insured	0.3	0.53	[-0.8, 1.3]	495
Uninsured	0.0	0.99	[-1.9, 2.0]	193
<b>Total</b>	<b>0.2</b>	<b>0.47</b>	<b>[-0.7, 1.2]</b>	<b>695</b>

**Notes:** For homeless in the last 12 months, number of places lived in past 3 years, and insurance status, respondents who answered "Don't know" were excluded from the analysis.

**1.6.9 Days poor mental health (2016, 2017, change 2016-2017) by new chronic condition diagnosis (2016), among respondents with a chronic condition**

	Days poor mental health								Delta Mean
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	
<b>New chronic condition diagnosis (2016)</b>									
Yes	8.2	0.57	[7.0, 9.3]	626	8.0	0.58	[6.8, 9.1]	624	-0.2
No	6.2	0.32	[5.6, 6.8]	1,785	6.1	0.29	[5.5, 6.7]	1,825	

**Notes:** Two factor repeated measures ANOVA results,  $F(1, 3,077) = 0.00$ ,  $p = 0.9588$ . New chronic condition diagnosis in 2016 was defined as a new diagnosis of asthma, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2016 as indicated by self-report.

## 1.7 Days missed due to poor physical/mental health (change 2016-2017)

1.7.1 Days missed due to poor physical/mental health (2016, 2017, change 2016-2017) by follow-up group, demographic characteristics (2017), presence of a chronic condition, presence of a mental health condition and/or substance use disorder, presence of a mental health condition, presence of a substance use disorder, among all respondents

	Days missed due to poor physical/mental health								Delta Mean	
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N		
<b>Follow-up group<sup>a</sup></b>										
Still enrolled	5.2	0.23	[4.7, 5.7]	2,346	5.0	0.21	[4.6, 5.4]	2,366	-0.2	
No longer enrolled	5.5	0.47	[4.5, 6.4]	698	5.2	0.45	[4.3, 6.0]	702	-0.3	
<b>Age (DW)</b>										
19-34	3.0	0.31	[2.4, 3.6]	898	3.0	0.26	[2.5, 3.5]	900	0.0	
35-50	6.3	0.40	[5.5, 7.1]	951	6.0	0.37	[5.2, 6.7]	962	-0.3	
51-64	6.9	0.38	[6.2, 7.7]	1,195	6.5	0.37	[5.8, 7.3]	1,206	-0.4	
<b>Gender (DW)</b>										
Male	5.6	0.34	[4.9, 6.3]	1,206	5.1	0.31	[4.5, 5.7]	1,216	-0.5	
Female	5.0	0.26	[4.4, 5.5]	1,838	5.0	0.24	[4.5, 5.5]	1,852	0.0	
<b>Race/ethnicity (2016)</b>										
White, non-Hispanic	5.6	0.27	[5.1, 6.1]	2,022	5.2	0.24	[4.7, 5.7]	2,037	-0.4	
Black, non-Hispanic	4.5	0.42	[3.7, 5.4]	624	4.6	0.40	[3.8, 5.4]	633	0.1	
Hispanic	4.9	1.07	[2.8, 7.0]	136	4.7	0.87	[3.0, 6.4]	136	-0.2	
Other, non-Hispanic	5.3	0.71	[3.9, 6.7]	226	5.1	0.70	[3.7, 6.5]	224	-0.2	
<b>FPL category (DW)</b>										
0-35%	7.0	0.37	[6.3, 7.7]	1,196	6.1	0.33	[5.5, 6.8]	1,202	-0.9	
36-99%	3.7	0.26	[3.2, 4.2]	1,067	4.1	0.26	[3.6, 4.6]	1,076	0.4	
100%+	2.8	0.25	[2.3, 3.3]	781	3.5	0.33	[2.9, 4.1]	790	0.7	
<b>Region (DW)</b>										
UP/NW/NE	5.3	0.44	[4.5, 6.2]	560	5.2	0.42	[4.4, 6.0]	567	-0.1	
W/E Central/E	5.5	0.34	[4.8, 6.1]	965	5.6	0.34	[4.9, 6.3]	968	0.1	
S Central/SW/SE	5.9	0.47	[4.9, 6.8]	625	5.3	0.42	[4.5, 6.1]	630	-0.6	
Detroit Metro	4.8	0.36	[4.1, 5.5]	894	4.5	0.32	[3.9, 5.1]	903	-0.3	
<b>Chronic condition (2016 or 2017 survey and/or DW)<sup>b</sup></b>										
No	2.3	0.36	[1.6, 3.0]	626	1.9	0.25	[1.4, 2.4]	623	-0.4	
Yes	6.2	0.25	[5.7, 6.7]	2,418	6.0	0.24	[5.5, 6.5]	2,445	-0.2	
<b>Mental health condition and/or substance use disorder (DW)<sup>c</sup></b>										
No	2.5	0.21	[2.1, 2.9]	1,334	2.5	0.21	[2.1, 2.9]	1,340	0.0	
Yes	7.5	0.33	[6.9, 8.2]	1,710	7.1	0.30	[6.5, 7.7]	1,728	-0.4	
<b>Mental health condition (DW)<sup>d</sup></b>										
No	2.6	0.20	[2.2, 3.0]	1,498	2.7	0.21	[2.3, 3.1]	1,505	0.1	
Yes	8.0	0.36	[7.3, 8.7]	1,546	7.5	0.32	[6.9, 8.1]	1,563	-0.5	
<b>Substance use disorder (DW)<sup>e</sup></b>										
No	4.4	0.22	[4.0, 4.8]	2,444	4.2	0.20	[3.8, 4.5]	2,459	-0.2	
Yes	8.5	0.55	[7.4, 9.6]	600	8.3	0.53	[7.3, 9.4]	609	-0.3	

<sup>a</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 0.00, p = 0.9765$

<sup>b</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 0.13, p = 0.7182$

<sup>c</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 0.97, p = 0.3258$

<sup>d</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 1.69, p = 0.1940$

<sup>e</sup> Two factor repeated measures ANOVA results,  $F(1, 3,083) = 0.00, p = 0.9892$

## 1.7.2 Days missed due to poor physical/mental health (2016, 2017, change 2016-2017), among all respondents and various subgroups

	Days missed due to poor physical/mental health								Delta Mean
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	
<b>All follow-up respondents<sup>a</sup></b>	5.3	0.21	[4.8, 5.7]	3,044	5.0	0.19	[4.7, 5.4]	3,068	-0.3
Among those still enrolled <sup>b</sup>	5.2	0.23	[4.7, 5.7]	2,346	5.0	0.21	[4.6, 5.4]	2,366	0.2
Among those no longer enrolled <sup>c</sup>	5.5	0.46	[4.6, 6.4]	698	5.2	0.44	[4.3, 6.0]	702	-0.3
Among those no longer enrolled and uninsured <sup>d</sup>	3.6	0.60	[2.4, 4.8]	191	4.0	0.85	[2.3, 5.6]	193	-0.4
Among those with a chronic condition (2016 or 2017 survey and/or DW) <sup>e</sup>	6.2	0.25	[5.7, 6.7]	2,418	6.0	0.24	[5.5, 6.5]	2,445	-0.2
Among respondents with two or more chronic conditions (2016 or 2017 survey and/or DW) <sup>f</sup>	7.7	0.32	[7.1, 8.4]	1,729	7.6	0.31	[7.0, 8.2]	1,744	-0.1
Among those with a mental health condition and/or substance use disorder (DW) <sup>g</sup>	7.5	0.33	[6.9, 8.2]	1,710	7.1	0.30	[6.5, 7.7]	1,728	-0.4
Among those with a mental health condition (DW) <sup>h</sup>	8.0	0.35	[7.3, 8.7]	1,546	7.5	0.32	[6.9, 8.1]	1,563	-0.5
Among those with a substance use disorder (DW) <sup>i</sup>	8.5	0.55	[7.4, 9.6]	600	8.3	0.53	[7.3, 9.4]	609	-0.2

<sup>a</sup> Paired sample t-test results, difference in days = -0.2,  $t(3,005) = -1.08$ ,  $p = 0.282$ , 95% CI (-0.6, 0.2)

<sup>b</sup> Paired sample t-test results, difference in days = -0.2,  $t(2,314) = -1.02$ ,  $p = 0.306$ , 95% CI (-0.7, 0.2)

<sup>c</sup> Paired sample t-test results, difference in days = -0.2,  $t(679) = -0.38$ ,  $p = 0.708$ , 95% CI (-1.0, 0.7)

<sup>d</sup> Paired sample t-test results, difference in days = -0.3,  $t(179) = -0.33$ ,  $p = 0.743$ , 95% CI (-1.7, 2.4)

<sup>e</sup> Paired sample t-test results, difference in days = -0.2,  $t(2,383) = -0.84$ ,  $p = 0.400$ , 95% CI (-0.7, 0.3)

<sup>f</sup> Paired sample t-test results, difference in days = -0.2,  $t(1,695) = -0.48$ ,  $p = 0.632$ , 95% CI (-0.8, 0.5)

<sup>g</sup> Paired sample t-test results, difference in days = -0.4,  $t(1,679) = -1.30$ ,  $p = 0.195$ , 95% CI (-1.0, 0.2)

<sup>h</sup> Paired sample t-test results, difference in days = -0.5,  $t(1,517) = -1.46$ ,  $p = 0.145$ , 95% CI (-1.1, 0.2)

<sup>i</sup> Paired sample t-test results, difference in days = -0.3,  $t(582) = -0.51$ ,  $p = 0.610$ , 95% CI (-1.3, 0.8)

### 1.7.3 Predictors of days missed due to poor physical/mental health (change 2016-2017), among all respondents

	Days missed due to poor physical/mental health		
	Coef.	95% CI	p-value
<b>Survey year</b>			
2016		Reference	
2017	-0.24	[-0.641, 0.153]	0.229
<b>Number of chronic conditions (DW)</b>	1.84	[1.588, 2.102]	0.000
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>			
No		Reference	
Yes	-0.51	[-1.472, 0.444]	0.293
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.11	[0.351, 1.866]	0.004
51-64	0.71	[-0.099, 1.528]	0.085
<b>Gender (DW)</b>			
Male		Reference	
Female	-0.10	[-0.774, 0.566]	0.761
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	-1.52	[-2.245, -0.799]	0.000
Hispanic	0.54	[-1.155, 2.228]	0.534
Other, non-Hispanic	0.21	[-0.991, 1.416]	0.729
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	-2.20	[-2.911, -1.497]	0.000
100%+	-2.84	[-3.586, -2.088]	0.000
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	-0.14	[-0.829, 0.541]	0.680
Bachelor's/post graduate degree	-0.84	[-1.763, 0.082]	0.074
<b>Constant</b>	3.12	[2.189, 4.054]	0.000
<b>Respondent</b>	30.81	[26.248, 35.380]	0.000
<b>Days missed due to poor physical/mental health residuals</b>	41.11	[36.736, 45.476]	0.000
N	6,024		
F-value	32.326		
Model degrees of freedom	13.000		
Residual degrees of freedom	3,037.000		
F-value significance	0.000		

**Notes:** Mixed effects linear regression. Variables are from both survey years unless otherwise noted. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse.

### 1.7.4 Interaction between days missed due to poor physical/mental health (change 2016-2017) and presence of a chronic condition, among all respondents

	Days missed due to poor physical/mental health*			Days missed due to poor physical/mental health		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	-0.40	[-1.039, 0.237]	0.218	-0.24	[-0.638, 0.156]	0.234
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	2.84	[1.971, 3.718]	0.000	2.95	[2.253, 3.645]	0.000
<b>Survey year*Chronic condition (2016 or 2017 survey and/or DW)</b>						
2017 × Yes	0.21	[-0.591, 1.009]	0.609			
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	2.28	[1.466, 3.100]	0.000	2.28	[1.465, 3.100]	0.000
51-64	2.63	[1.798, 3.458]	0.000	2.63	[1.798, 3.458]	0.000
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.04	[-0.668, 0.744]	0.916	0.04	[-0.668, 0.744]	0.916
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	-1.44	[-2.236,- 0.652]	0.000	-1.44	[-2.235,- 0.652]	0.000
Hispanic	0.24	[-1.541, 2.023]	0.791	0.24	[-1.541, 2.027]	0.790
Other, non-Hispanic	0.24	[-1.012, 1.483]	0.712	0.24	[-1.013, 1.483]	0.712
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	-2.61	[-3.361,- 1.861]	0.000	-2.61	[-3.362,- 1.861]	0.000
100%+	-3.24	[-4.022,- 2.463]	0.000	-3.24	[-4.022,- 2.463]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	-0.34	[-1.073, 0.401]	0.372	-0.34	[-1.073, 0.401]	0.372
Bachelor's/post graduate degree	-1.43	[-2.385,- 0.483]	0.003	-1.43	[-2.386,- 0.483]	0.003
<b>Insurance status in 12 months prior to HMP (2016)</b>						
Insured/Don't know		Reference			Reference	
Uninsured	-0.52	[-1.189, 0.155]	0.132	-0.52	[-1.189, 0.155]	0.132
<b>Constant</b>	3.87	[2.704, 5.039]	0.000	3.79	[2.697, 4.885]	0.000
<b>Respondent</b>	36.13	[31.107, 41.158]	0.000	36.14	[31.109, 41.163]	0.000
<b>Days missed due to poor physical/mental health residuals</b>	41.09	[36.719, 45.452]	0.000	41.09	[36.719, 45.454]	0.000
N	6,020			6,020		
F-value	21.610			22.393		
Model degrees of freedom	14.000			13.000		
Residual degrees of freedom	3,035.000			3,035.000		
F-value significance	0.000			0.000		

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**Notes:** Mixed effects linear regression. Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse. Variables are from both survey years unless otherwise noted.

\* Includes interaction term

**1.7.5 Predictors of days missed due to poor physical/mental health (change 2016-2017), among respondents still enrolled and respondents with two or more chronic conditions**

	Days missed due to poor physical/mental health <sup>a</sup>			Days missed due to poor physical/mental health <sup>b</sup>		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	-0.23	[-0.672, 0.219]	0.319	-0.16	[-0.786, 0.465]	0.615
<b>New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	-0.72	[-1.764, 0.334]	0.181	-0.37	[-1.534, 0.789]	0.529
<b>Number of chronic conditions (DW)</b>	1.93	[1.650, 2.200]	0.000	1.94	[1.454, 2.426]	0.000
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	1.22	[0.378, 2.067]	0.005	1.67	[0.317, 3.016]	0.016
51-64	0.77	[-0.127, 1.672]	0.092	1.36	[0.032, 2.678]	0.045
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	-0.04	[-0.776, 0.690]	0.909	-0.87	[-1.927, 0.181]	0.104
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	-1.30	[-2.113, -0.495]	0.002	-1.76	[-2.930, -0.590]	0.003
Hispanic	0.08	[-1.379, 1.544]	0.912	0.42	[-2.025, 2.860]	0.737
Other, non-Hispanic	0.58	[-0.825, 1.988]	0.417	-0.22	[-2.356, 1.916]	0.840
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	-1.74	[-2.515, -0.972]	0.000	-2.99	[-4.086, -1.887]	0.000
100%+	-2.80	[-3.570, -2.025]	0.000	-3.80	[-4.997, -2.599]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	0.08	[-0.661, 0.815]	0.837	0.03	[-1.047, 1.103]	0.959
Bachelor's/post graduate degree	-0.44	[-1.590, 0.700]	0.446	0.05	[-1.971, 2.071]	0.961
<b>Constant</b>	2.36	[1.448, 3.268]	0.000	3.04	[1.118, 4.967]	0.002
<b>Respondent</b>	29.12	[24.203, 34.040]	0.000	46.47	[39.400, 53.537]	0.000
<b>Days missed due to poor physical/mental health residuals</b>	40.61	[35.846, 45.380]	0.000	56.29	[49.551, 63.038]	0.000
N	4,644			3,421		
F-value	27.010			11.686		
Model degrees of freedom	13.000			13.000		
Residual degrees of freedom	2,339.000			1,727.000		
F-value significance	0.000			0.000		

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**Notes:** Mixed effects linear regression. New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present 2 years or 1 year before enrollment as indicated by self-report and/or data warehouse. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those still enrolled

<sup>b</sup> Analysis restricted to those with two or more chronic conditions

1.7.6 Days missed due to poor physical/mental health (2016, 2017, change 2016-2017) by follow-up group, among chronic condition subgroups

	Days missed due to poor physical or mental health								
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	Delta Mean
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>	7.0	0.47	[6.0, 7.9]	784	6.6	0.43	[5.7, 7.4]	790	-0.4
Still enrolled	7.0	0.52	[6.0, 8.0]	608	6.7	0.47	[5.8, 7.6]	610	-0.3
No longer enrolled	6.8	1.12	[4.6, 9.0]	176	6.2	0.97	[4.3, 8.1]	180	-0.6
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>	9.1	0.38	[8.3, 9.8]	1,353	8.6	0.37	[7.8, 9.3]	1,373	-0.5
Still enrolled	9.1	0.43	[8.3, 9.9]	1,068	8.3	0.40	[7.5, 9.1]	1,081	-0.8
No longer enrolled	9.0	0.86	[7.3, 10.7]	285	9.4	0.90	[7.7, 11.2]	292	0.4
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>	8.8	0.89	[7.0, 10.5]	270	7.6	0.82	[6.0, 9.2]	276	-1.2
Still enrolled	8.5	0.97	[6.6, 10.4]	207	7.0	0.82	[5.4, 8.6]	211	-1.5
No longer enrolled	9.7	2.18	[5.4, 14.0]	63	9.8	2.09	[5.6, 13.9]	65	0.1
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>	8.2	0.49	[7.2, 9.1]	836	8.0	0.44	[7.1, 8.8]	843	-0.2
Still enrolled	7.9	0.53	[6.8, 8.9]	659	7.8	0.48	[6.9, 8.8]	662	-0.1
No longer enrolled	9.3	1.16	[7.1, 11.6]	177	8.4	1.05	[6.3, 10.5]	181	-0.9
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>	8.0	0.53	[7.0, 9.1]	686	7.6	0.49	[6.6, 8.5]	691	-0.4
Still enrolled	8.0	0.60	[6.8, 9.2]	545	7.6	0.56	[6.5, 8.7]	551	-0.4
No longer enrolled	8.0	1.14	[5.7, 10.2]	141	7.4	1.01	[5.5, 9.4]	140	-0.6
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>	7.0	0.33	[6.4, 7.7]	1,517	6.9	0.32	[6.3, 7.5]	1,535	-0.1
Still enrolled	6.9	0.37	[6.2, 7.7]	1,183	6.8	0.34	[6.1, 7.5]	1,197	-0.1
No longer enrolled	7.5	0.76	[6.0, 9.0]	334	7.3	0.79	[5.8, 8.9]	338	-0.2
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>	8.3	0.60	[7.1, 9.5]	576	8.5	0.57	[7.4, 9.7]	586	0.2
Still enrolled	8.0	0.66	[6.7, 9.3]	445	8.5	0.63	[7.2, 9.7]	451	0.5
No longer enrolled	9.6	1.36	[6.9, 12.3]	131	8.8	1.32	[6.2, 11.4]	135	-0.8

Note: Weighted means among chronic conditions subgroups, as defined by self-report and claims data.

**1.7.7 Average decrease in days missed due to poor physical/mental health (change 2016-2017) by experience of homelessness (2017), housing insecurity (2017), and employment (2017), among respondents still enrolled**

	Mean	SE	95%CI	N
<b>Homeless in the last 12 months (2017)</b>				
Yes	-1.4	1.15	[-3.7, 0.8]	143
No	-0.1	0.23	[-0.6, 0.3]	2177
<b>Number of places lived in past 3 years (2017)</b>				
One	-0.0	0.25	[-0.5, 0.5]	1677
Two	-0.3	0.49	[-1.3, 0.6]	440
Three	-0.7	1.06	[-2.8, 1.4]	125
Four or more	-3.1	1.75	[-6.6, 0.3]	79
<b>Employed/self-employed (2017)</b>				
Yes	-0.4	0.23	[-0.9, 0.0]	1296
No	0.0	0.42	[-0.8, 0.9]	1027
<b>Total</b>	<b>-0.2</b>	<b>0.23</b>	<b>[-0.7, 0.2]</b>	<b>2326</b>

**Notes:** For homeless in the last 12 months, and number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

**1.7.8 Average decrease in days missed due to poor physical/mental health (change 2016-2017) by experience of homelessness (2017), housing insecurity (2017), employment (2017), and insurance status (2017), among respondents no longer enrolled**

	Mean	SE	95%CI	N
<b>Homeless in the last 12 months (2017)</b>				
Yes	1.9	1.67	[-1.3, 5.2]	43
No	-0.3	0.45	[-1.2, 0.6]	646
<b>Number of places lived in past 3 years (2017)</b>				
One	-0.5	0.55	[-1.6, 0.5]	440
Two	-0.1	1.12	[-2.3, 2.1]	158
Three	1.0	0.93	[-0.8, 2.8]	55
Four or more	1.1	1.09	[-1.0, 3.3]	38
<b>Employed/self-employed (2017)</b>				
Yes	-0.0	0.40	[-0.8, 0.8]	417
No	-0.4	0.98	[-2.3, 1.5]	273
<b>Insurance status (2017)</b>				
Insured	-0.5	0.45	[-1.3, 0.4]	493
Uninsured	0.3	1.03	[-1.7, 2.4]	191
<b>Total</b>	<b>-0.2</b>	<b>0.44</b>	<b>[-1.0, 0.7]</b>	<b>691</b>

**Notes:** For homeless in the last 12 months, number of places lived in past 3 years, and insurance status, respondents who answered "Don't know" were excluded from the analysis.

**1.7.9 Days missed due to poor physical/mental health (2016, 2017, change 2016-2017) by new chronic condition diagnosis (2016), among respondents with a chronic condition**

	Days missed due to poor physical/mental health								Delta Mean
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	
<b>New chronic condition diagnosis (2016)</b>									
Yes	9.2	0.59	[8.1, 10.4]	621	8.4	0.54	[7.3, 9.4]	628	-0.8
No	5.2	0.26	[4.7, 5.7]	1,797	5.2	0.26	[4.7, 5.7]	1,817	

**Notes:** Two factor repeated measures ANOVA results,  $F(1, 3,083) = 2.81, p = 0.1396$ . New chronic condition diagnosis in 2016 was defined as a new diagnosis of asthma, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2016 as indicated by self-report.

## 1.8 Improved oral health

### 1.8.1 Improved oral health (2016 or 2017) by follow-up group, among all respondents

	Improved oral health (2016 or 2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	49.3	[46.7, 51.9]	50.7	[48.1, 53.3]	100.0
No longer enrolled (n=709)	45.5	[41.0, 50.2]	54.5	[49.8, 59.0]	100.0
Pearson: Uncorrected chi2(1) =	3.1624				
Design-based F(1.00, 3085.00) =	1.9469	Pr =	0.163		
<b>Total (n=3,097)</b>	<b>48.4</b>	<b>[46.2, 50.7]</b>	<b>51.6</b>	<b>[49.3, 53.8]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Improved oral health in this table was defined as respondents who reported in either 2016 or 2017 that their oral health got better in the past year.

## 1.8.2 Predictors of improved oral health (change 2016-2017), among all respondents

	Improved oral health		
	aOR	95% CI	p-value
<b>Survey year</b>			
2016		Reference	
2017	0.29	[0.236, 0.345]	0.000
<b>Follow-up group</b>			
Still enrolled		Reference	
No longer enrolled	0.75	[0.600, 0.944]	0.014
<b>Any dental visit (DW)</b>			
No		Reference	
Yes	8.29	[6.236, 11.020]	0.000
<b>Age (DW)</b>			
19-34		Reference	
35-50	0.79	[0.616, 1.025]	0.076
51-64	0.84	[0.664, 1.058]	0.137
<b>Gender (DW)</b>			
Male		Reference	
Female	0.92	[0.747, 1.123]	0.398
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.75	[1.372, 2.241]	0.000
Hispanic	0.96	[0.618, 1.483]	0.845
Other, non-Hispanic	1.44	[0.977, 2.117]	0.065
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.96	[0.774, 1.184]	0.686
100%+	0.82	[0.645, 1.032]	0.090
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	0.88	[0.706, 1.087]	0.228
Bachelor's/post graduate degree	0.77	[0.552, 1.086]	0.138
<b>Constant</b>	0.17	[0.115, 0.238]	0.000
<b>Respondent</b>	2.71	[1.707, 4.307]	0.000
N	6,102		
F-value	23.336		
Model degrees of freedom	13.000		
Residual degrees of freedom	3,039.000		
F-value significance	0.000		

**Notes:** Mixed effects logistic regression. Variables are from both survey years unless otherwise noted.

**1.8.3 Improved oral health (2016, 2017, change 2016-2017), among respondents still enrolled**

	Improved oral health						Delta Percent
	Percent	2016 95%CI	N	Percent	2017 95%CI	N	
<b>Among respondents still enrolled</b>							
Oral health improved in the past year	41.0	[38.5, 43.6]	978	22.7	[20.6, 25.1]	504	-18.3
Oral health did not improve in the past year	59.0	[56.4, 61.5]	1,410	77.3	[74.9, 79.4]	1,884	

Notes: Improved oral health was defined as respondents who reported that their oral health got better in the past year.

**1.8.4 Improved oral health (2017) by improved oral health (2016), among respondents still enrolled**

	Improved oral health (2017)				Total	
	Yes Cell%	95%CI	No Cell%	95%CI	Cell%	95%CI
<b>Improved oral health (2016)</b>						
Yes (n=978)	14.4	[12.6, 16.4]	26.6	[24.4, 28.9]	41.0	[38.5, 43.6]
No (n=1,410)	8.3	[7.0, 9.9]	50.7	[48.1, 53.3]	59.0	[56.4, 61.5]
<b>Total (n=2,388)</b>	22.7	[20.6, 25.1]	77.3	[74.9, 79.4]	100.0	

Notes: Improved oral health was defined as respondents who reported that their oral health got better in the past year.

### 1.8.5 Predictors of improved oral health (change 2016-2017), among respondents still enrolled

	Improved oral health			Improved oral health		
	OR	95% CI	p-value	aOR	95% CI	p-value
<b>Survey year</b>						
2016		Reference			Reference	
2017	0.31	[0.254, 0.387]	0.000	0.31	[0.251, 0.387]	0.000
<b>Any dental visit (DW)</b>						
No					Reference	
Yes				9.40	[6.671, 13.248]	0.000
<b>Age (DW)</b>						
19-34					Reference	
35-50				0.88	[0.653, 1.192]	0.414
51-64				0.81	[0.611, 1.064]	0.127
<b>Gender (DW)</b>						
Male					Reference	
Female				0.93	[0.732, 1.190]	0.578
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic					Reference	
Black, non-Hispanic				1.72	[1.286, 2.302]	0.000
Hispanic				1.05	[0.624, 1.769]	0.853
Other, non-Hispanic				1.42	[0.909, 2.208]	0.124
<b>FPL category (DW)</b>						
0-35%					Reference	
36-99%				0.99	[0.773, 1.271]	0.947
100%+				0.88	[0.672, 1.157]	0.364
<b>Highest level of education (2017)</b>						
High school or less					Reference	
Associate's degree/some college				0.91	[0.708, 1.174]	0.474
Bachelor's/post graduate degree				0.79	[0.521, 1.197]	0.265
<b>Constant</b>	0.60	[0.520, 0.701]	0.000	0.13	[0.085, 0.205]	0.000
<b>Respondent</b>	7.80	[3.832, 15.884]	0.000	3.20	[1.829, 5.609]	0.000
N	4,776			4,706		
F-value	115.620			19.184		
Model degrees of freedom	1.000			12.000		
Residual degrees of freedom	2,376.000			2,341.000		
F-value significance	0.000			0.000		

**Notes:** Mixed effects logistic regression. Variables are from both survey years unless otherwise noted. Improved oral health was defined as respondents who reported that their oral health got better in the past year.

### 1.8.6 Worsened oral health (2017) by follow-up group, among all respondents

	Worsened oral health (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	16.3	[14.5, 18.2]	83.7	[81.8, 85.5]	100.0
No longer enrolled (n=709)	23.0	[19.3, 27.2]	77.0	[72.8, 80.7]	100.0
Pearson: Uncorrected chi2(1) =	17.1512				
Design-based F(1.00, 3085.00) =	10.7298	Pr =	0.001		
<b>Total (n=3,097)</b>	<b>17.8</b>	<b>[16.2, 19.6]</b>	<b>82.2</b>	<b>[80.4, 83.8]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Worsened oral health was defined as respondents who reported that their oral health got worse in the past year.  $\phi = 0.07$

### 1.8.7 Predictors of worsened oral health (2017), among all respondents

	Worsened oral health (2017)		
	aOR	95% CI	p-value
<b>Follow-up group</b>			
Still enrolled		Reference	
No longer enrolled	1.67	[1.281, 2.176]	0.000
<b>Any dental visit (DW)</b>			
No		Reference	
Yes	1.00	[0.777, 1.281]	0.987
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.51	[1.111, 2.062]	0.009
51-64	1.43	[1.067, 1.929]	0.017
<b>Gender (DW)</b>			
Male		Reference	
Female	1.17	[0.922, 1.497]	0.193
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.94	[0.698, 1.257]	0.665
Hispanic	0.99	[0.553, 1.762]	0.964
Other, non-Hispanic	0.87	[0.570, 1.334]	0.528
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.82	[0.630, 1.069]	0.144
100%+	0.85	[0.637, 1.129]	0.259
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	0.86	[0.666, 1.112]	0.250
Bachelor's/post graduate degree	0.79	[0.553, 1.138]	0.208
<b>Constant</b>	0.17	[0.115, 0.239]	0.000
N	3,051		
F-value	2.656		
Model degrees of freedom	12.000		
Residual degrees of freedom	3,039.000		
F-value significance	0.002		

**Notes:** Multiple logistic regression. Worsened oral health was defined as respondents who reported that their oral health got worse in the past year.

**2 Aim 2: To describe perceptions and understanding of Medicaid coverage, HMP policies, and cost-sharing and how these change over time with enrollment.**

## 2.1 Knowledge of HMP covered benefits (change 2016-2017)

### 2.1.1 Knowledge of HMP covered benefits (2016, 2017, change 2016-2017), among respondents still enrolled

	Percent	2016 95%CI	N	Percent	2017 95%CI	N	Delta Percent
<b>Knowledge that dental care is covered<sup>a</sup></b>							
Yes	77.0	[74.7, 79.2]	1,857	81.6	[79.5, 83.5]	1,957	4.6
No/don't know	23.0	[20.8, 25.3]	528	18.4	[16.5, 20.5]	431	
<b>Knowledge that eyeglasses are covered<sup>b</sup></b>							
Yes	61.5	[58.9, 64.0]	1,535	67.9	[65.4, 70.3]	1,664	6.4
No/don't know	38.5	[36.0, 41.1]	850	32.1	[29.7, 34.6]	724	
<b>Knowledge that counseling is covered<sup>c</sup></b>							
Yes	56.3	[53.7, 58.8]	1,381	58.8	[56.2, 61.4]	1,449	2.5
No/don't know	43.7	[41.2, 46.3]	1,004	41.2	[38.6, 43.8]	939	

<sup>a</sup> **Notes:** Mixed effects logistic regression results,  $F(1, 2,376) = 14.21$ ,  $p = 0.0002$ ; Knowledge that dental care is covered ('yes' response) in 2017 OR = 1.55,  $p < 0.001$ , 95% CI (1.2, 1.9)

<sup>b</sup> **Notes:** Mixed effects logistic regression results,  $F(1, 2,376) = 25.53$ ,  $p < 0.0001$ ; Knowledge that eyeglasses are covered ('yes' response) in 2017 OR = 1.73,  $p < 0.001$ , 95% CI (1.4, 2.1)

<sup>c</sup> **Notes:** Mixed effects logistic regression results,  $F(1, 2,376) = 3.17$ ,  $p = 0.0749$ ; Knowledge that counseling is covered ('yes' response) in 2017 OR = 1.19,  $p = 0.075$ , 95% CI (1.0, 1.4)

## 2.1.2 Predictors of knowledge that dental care is covered (change 2016-2017), among respondents still enrolled

	Knowledge that dental care is covered		
	aOR	95% CI	p-value
<b>Survey year</b>			
2016		Reference	
2017	1.51	[1.193, 1.903]	0.001
<b>Need help reading written materials (2016)</b>			
Never/rarely		Reference	
Sometimes/often/always	0.73	[0.464, 1.163]	0.188
<b>Employed/self-employed</b>			
Yes		Reference	
No	0.89	[0.635, 1.251]	0.506
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.05	[0.681, 1.604]	0.839
51-64	1.02	[0.696, 1.503]	0.910
<b>Gender (DW)</b>			
Male		Reference	
Female	1.88	[1.328, 2.666]	0.000
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.97	[0.633, 1.485]	0.886
Hispanic	0.58	[0.292, 1.171]	0.130
Other, non-Hispanic	0.96	[0.524, 1.760]	0.897
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.77	[0.520, 1.138]	0.189
100%+	0.63	[0.418, 0.957]	0.030
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.15	[0.794, 1.668]	0.458
Bachelor's/post graduate degree	1.57	[0.944, 2.597]	0.082
<b>Constant</b>	6.60	[3.670, 11.866]	0.000
<b>Respondent</b>	82.36	[17.751, 382.170]	0.000
N	4,690		
F-value	2.646		
Model degrees of freedom	13.000		
Residual degrees of freedom	2,338.000		
F-value significance	0.001		

**Notes:** Mixed effects logistic regression. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Variables are from both survey years unless otherwise noted.

## 2.2 Knowledge of HMP covered benefits and costs (change 2016-2017)

### 2.2.1 Knowledge of HMP covered benefits and costs (2016, 2017, change 2016-2017), among respondents still enrolled

	Knowledge of HMP covered benefits and costs								
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	Delta Mean
<b>Among respondents still enrolled</b>	3.1	0.04	[3.0, 3.2]	2,388	3.1	0.03	[3.0, 3.1]	2,388	0.0

**Notes:** Paired sample t-test results, difference in score = -0.4,  $t(2,376) = -1.06$ ,  $p = 0.288$ , 95% CI (-0.1, 0.0). Knowledge of HMP covered benefits and costs is defined as the count of correct answers to a series of questions about HMP, which were common to both the 2016 and 2017 surveys (Range 0-6). These questions include: I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK; I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK; Some kinds of visits, tests and medicines have no copays. Y/N/DK; Do you think the following are covered under Healthy Michigan Plan, not covered, or you don't know: Eyeglasses, routine dental care, counseling for mental or emotional problems.

## 2.3 Knowledge of HMP cost-sharing requirements and healthy behavior rewards (change 2016-2017)

### 2.3.1 Knowledge of HMP cost-sharing requirements and healthy behavior rewards (2016, 2017, change 2016-2017), among respondents still enrolled

	Percent	2016 95%CI	N	Percent	2017 95%CI	N	Delta Percent
<b>Some visits, tests, and medicines have no copays<sup>a</sup></b>							
Yes	76.5	[74.1, 78.7]	1,887	72.4	[70.0, 74.6]	1,743	-4.1
No/don't know	23.5	[21.3, 25.9]	497	27.6	[25.4, 30.0]	644	
<b>May get reduction by completing HRA<sup>b</sup></b>							
Yes	27.7	[25.4, 30.1]	682	27.5	[25.2, 29.8]	691	-0.2
No/don't know	72.3	[69.9, 74.6]	1,701	72.5	[70.2, 74.8]	1,696	
<b>Could be dropped from HMP for not paying<sup>c</sup></b>							
No	13.3	[11.6, 15.1]	313	16.6	[14.9, 18.6]	409	3.3
Yes/don't know	86.7	[84.9, 88.4]	2,071	83.4	[81.4, 85.1]	1,978	

<sup>a</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 7.47, p = 0.0063$ ; Some visits, tests, and medicines have no copays ('yes' response) in 2017 OR = 0.76,  $p = 0.006$ , 95% CI (0.6, 0.9)

<sup>b</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 0.03, p = 0.8558$ ; May get reduction by completing HRA ('yes' response) in 2017 OR = 0.98,  $p = 0.856$ , 95% CI (0.8, 1.2)

<sup>c</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 8.43, p = 0.0037$ ; Could be dropped from HMP for not paying ('no' response) in 2017 OR = 1.38,  $p = 0.004$ , 95% CI (1.1, 1.7). Respondents cannot be dropped from HMP for not paying, therefore "no" is the correct response on this cost-sharing requirement.

## 2.4 Experiences with MI Health Account (change 2016-2017)

### 2.4.1 Experiences with MI Health Account (2016, 2017, change 2016-2017), among respondents still enrolled

	Percent	2016 95%CI	N	Percent	2017 95%CI	N	Delta Percent
<b>Received MIHA statement<sup>a</sup></b>							
Yes	72.3	[69.8, 74.7]	1,836	78.4	[76.0, 80.6]	1,954	6.1
No/don't know	27.7	[25.3, 30.2]	552	21.6	[19.4, 24.0]	434	
<b>Carefully review MIHA Statement<sup>b</sup></b>							
Strongly agree/agree	89.3	[87.2, 91.0]	1,660	84.8	[82.6, 86.8]	1,693	-4.5
Strongly disagree/disagree/neutral/don't know	10.7	[9.0, 12.8]	174	15.2	[13.2, 17.4]	261	
<b>MIHA Statements help me be aware of health care costs<sup>c</sup></b>							
Strongly agree/agree	88.3	[86.4, 90.0]	1,610	82.6	[80.3, 84.7]	1,634	-5.7
Strongly disagree/disagree/neutral/don't know	11.7	[10.0, 13.6]	223	17.4	[15.3, 19.7]	320	
<b>MIHA Statements led me to change health care decisions<sup>d</sup></b>							
Strongly agree/agree	29.5	[26.9, 32.3]	530	31.0	[28.4, 33.7]	595	1.5
Strongly disagree/disagree/neutral/don't know	70.5	[67.7, 73.1]	1,303	69.0	[66.3, 71.6]	1,357	

**Notes:** MIHA = MI Health Account

<sup>a</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 18.39, p < 0.0001$ ; Received MIHA statement ('yes' response) in 2017 OR = 1.68,  $p < 0.001$ , 95% CI (1.3, 2.1). Wording is different in survey years. In 2016 the wording used was, "Have you received a bill or statement from the state that showed the services you received and how much you owe for the Healthy Michigan Plan? It's called your MI Health Account Statement."; In 2017 the wording used was, "In the past year, have you received a statement from the state that showed the services you received through the Healthy Michigan Plan and how much you owe, if anything? It's called your MI Health Account Statement."

<sup>b</sup> Mixed effects logistic regression results,  $F(1, 2,132) = 11.88, p = 0.0006$ ; Carefully review MIHA Statement ('strongly agree/agree' response) in 2017 OR = 0.60,  $p = 0.001$ , 95% CI (0.4, 0.8)

<sup>c</sup> Mixed effects logistic regression results,  $F(1, 2,132) = 16.05, p = 0.0001$ ; MIHA Statements help me be aware of health care costs ('strongly agree/agree' response) in 2017 OR = 0.57,  $p < 0.001$ , 95% CI (0.4, 0.8)

<sup>d</sup> Mixed effects logistic regression results,  $F(1, 2,132) = 0.98, p = 0.3218$ ; MIHA Statements led me to change health care decisions ('strongly agree/agree' response) in 2017 OR = 1.10,  $p = 0.322$ , 95% CI (0.9, 1.4)

## 2.5 Perspectives on cost-sharing (2017)

### 2.5.1 Getting discounts for improving health is a good idea (2017), among respondents still enrolled

	Getting discounts for improving health is a good idea (2017)			N
	Mean	SE	95%CI	
Among respondents still enrolled	4.1	0.02	[4.1, 4.2]	2,387

Notes: Getting discounts for improving health is a good idea is measured on a 5-point Likert scale where 5 indicates "strongly agree" and 1 indicates "strongly disagree".

### 2.5.2 The amount I pay for HMP is affordable (2017), among still enrolled chronic condition subgroups

	The amount I pay for HMP is affordable (2017)												Total Row%
	Strongly agree		Agree		Neutral		Disagree		Strongly disagree		Don't know		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Among respondents with asthma (2016 or 2017 survey and/or DW) (n=619)	26.4	[22.1, 31.2]	56.4	[51.3, 61.4]	8.2	[5.6, 11.8]	4.9	[3.3, 7.3]	1.6	[0.6, 3.8]	2.5	[1.1, 5.4]	100.0
Among respondents with arthritis (2016 or 2017 survey and/or DW) (n=1,097)	25.7	[22.6, 29.1]	60.1	[56.5, 63.7]	4.3	[2.9, 6.3]	5.6	[4.0, 7.7]	1.7	[0.9, 3.0]	2.7	[1.6, 4.3]	100.0
Among respondents with cancer (2016 or 2017 survey and/or DW) (n=213)	21.4	[15.3, 29.1]	66.9	[58.8, 74.1]	2.8	[1.4, 5.4]	6.7	[3.9, 11.3]	0.3	[0.0, 2.0]	1.9	[0.8, 4.3]	100.0
Among respondents with COPD (2016 or 2017 survey and/or DW) (n=674)	24.1	[20.0, 28.8]	62.8	[57.8, 67.5]	4.4	[2.7, 7.3]	4.2	[2.8, 6.4]	1.8	[1.0, 3.5]	2.6	[1.5, 4.5]	100.0
Among respondents with diabetes (2016 or 2017 survey and/or DW) (n=557)	23.4	[19.2, 28.1]	62.6	[57.4, 67.5]	3.8	[1.9, 7.3]	4.8	[3.2, 7.2]	1.8	[0.8, 3.8]	3.6	[2.1, 6.2]	100.0
Among respondents with hypertension (2016 or 2017 survey and/or DW) (n=1,207)	23.0	[20.2, 26.2]	64.8	[61.3, 68.1]	3.9	[2.7, 5.7]	4.6	[3.4, 6.3]	0.8	[0.4, 1.5]	2.9	[1.9, 4.4]	100.0
Among respondents with heart disease (2016 or 2017 survey and/or DW) (n=456)	21.2	[17.0, 26.1]	67.4	[61.8, 72.5]	4.8	[2.8, 8.3]	3.5	[2.1, 5.7]	1.1	[0.5, 2.4]	2.0	[1.0, 4.0]	100.0
<b>Total (n=2,385)</b>	<b>24.7</b>	<b>[22.5, 27.0]</b>	<b>62.0</b>	<b>[59.4, 64.5]</b>	<b>4.6</b>	<b>[3.6, 5.9]</b>	<b>5.1</b>	<b>[4.1, 6.5]</b>	<b>1.0</b>	<b>[0.6, 1.6]</b>	<b>2.5</b>	<b>[1.8, 3.5]</b>	<b>100.0</b>

## 2.6 Perspectives on cost-sharing (change 2016-2017)

### 2.6.1 Perspectives on cost-sharing (2016, 2017, change 2016-2017), among respondents still enrolled

	Percent	2016 95%CI	N	Percent	2017 95%CI	N	Delta Percent
<b>The amount I have to pay overall for HMP seems fair<sup>a</sup></b>							
Strongly agree/agree	88.7	[86.9, 90.2]	2,144	84.1	[82.1, 86.0]	2,064	-4.6
Strongly disagree/disagree/neutral/don't know	11.3	[9.8, 13.1]	240	15.9	[14.0, 17.9]	322	
<b>The amount I pay for HMP is affordable<sup>b</sup></b>							
Strongly agree/agree	90.1	[88.5, 91.5]	2,167	86.7	[84.8, 88.4]	2,089	-3.4
Strongly disagree/disagree/neutral/don't know	9.9	[8.5, 11.5]	218	13.3	[11.6, 15.2]	296	

<sup>a</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 14.49, p = 0.0001$ ; The amount I have to pay overall for HMP seems fair ('strongly agree/agree' response) in 2017 OR = 0.60,  $p < 0.001$ , 95% CI (0.5, 0.9)

<sup>b</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 9.21, p = 0.0024$ ; The amount I pay for HMP is affordable ('strongly agree/agree' response) in 2017 OR = 0.66,  $p = 0.002$ , 95% CI (0.5, 0.9)

## 2.7 Perspectives on HMP coverage (2017)

### 2.7.1 Having HMP has taken a lot of stress off me (2017), among still enrolled chronic condition subgroups

	Strongly agree		Agree		Having HMP has taken a lot of stress off me (2017)				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral Row%	Neutral 95%CI	Disagree Row%	Disagree 95%CI	Row%	95%CI	Row%	95%CI	
Among respondents with asthma (2016 or 2017 survey and/or DW) (n=619)	40.2	[35.4, 45.3]	51.1	[46.0, 56.2]	4.7	[2.9, 7.5]	1.6	[0.8, 3.0]	2.1	[0.9, 4.8]	0.3	[0.1, 1.1]	100.0
Among respondents with arthritis (2016 or 2017 survey and/or DW) (n=1,098)	38.2	[34.8, 41.8]	55.2	[51.5, 58.7]	2.9	[1.8, 4.5]	1.9	[1.2, 3.1]	1.5	[0.7, 3.2]	0.3	[0.1, 0.8]	100.0
Among respondents with cancer (2016 or 2017 survey and/or DW) (n=213)	36.0	[28.7, 44.1]	57.9	[49.7, 65.8]	2.0	[0.8, 4.8]	3.5	[1.6, 7.6]	0.5	[0.1, 2.5]	0.0		100.0
Among respondents with COPD (2016 or 2017 survey and/or DW) (n=674)	39.0	[34.3, 43.9]	54.3	[49.3, 59.1]	3.8	[2.2, 6.6]	1.5	[0.8, 3.0]	1.1	[0.4, 2.9]	0.4	[0.1, 1.1]	100.0
Among respondents with diabetes (2016 or 2017 survey and/or DW) (n=557)	36.6	[31.8, 41.6]	57.7	[52.5, 62.7]	2.3	[1.2, 4.5]	1.2	[0.6, 2.5]	1.8	[0.7, 4.5]	0.4	[0.1, 1.6]	100.0
Among respondents with hypertension (2016 or 2017 survey and/or DW) (n=1,208)	37.5	[34.1, 41.0]	56.2	[52.6, 59.7]	2.6	[1.7, 4.0]	2.1	[1.2, 3.8]	1.2	[0.6, 2.6]	0.3	[0.1, 0.7]	100.0
Among respondents with heart disease (2016 or 2017 survey and/or DW) (n=456)	36.5	[31.0, 42.3]	59.1	[53.2, 64.8]	2.4	[1.4, 4.1]	1.2	[0.6, 2.6]	0.4	[0.1, 1.4]	0.3	[0.1, 1.5]	100.0
<b>Total (n=2,387)</b>	<b>37.2</b>	<b>[34.8, 39.7]</b>	<b>54.2</b>	<b>[51.6, 56.8]</b>	<b>4.7</b>	<b>[3.7, 6.0]</b>	<b>2.8</b>	<b>[2.0, 3.8]</b>	<b>0.8</b>	<b>[0.4, 1.6]</b>	<b>0.2</b>	<b>[0.1, 0.5]</b>	<b>100.0</b>

2.7.2 Without HMP I wouldn't be able to go to the doctor (2017), among still enrolled chronic condition subgroups

	Strongly agree		Agree		Without HMP I wouldn't be able to go to doctor (2017)				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral Row%	95%CI	Disagree Row%	95%CI	Row%	95%CI	Row%	95%CI	
Among respondents with asthma (2016 or 2017 survey and/or DW) (n=619)	42.0	[37.1, 47.1]	48.4	[43.3, 53.5]	3.9	[2.2, 6.8]	4.1	[2.5, 6.5]	0.7	[0.2, 3.0]	0.9	[0.4, 2.1]	100.0
Among respondents with arthritis (2016 or 2017 survey and/or DW) (n=1,098)	40.9	[37.4, 44.5]	51.4	[47.7, 55.0]	2.2	[1.2, 4.0]	4.5	[3.2, 6.4]	0.4	[0.1, 1.3]	0.6	[0.3, 1.1]	100.0
Among respondents with cancer (2016 or 2017 survey and/or DW) (n=213)	39.2	[31.5, 47.4]	53.7	[45.3, 61.8]	1.5	[0.4, 4.7]	4.4	[2.1, 8.9]	0.3	[0.0, 1.9]	1.0	[0.3, 3.1]	100.0
Among respondents with COPD (2016 or 2017 survey and/or DW) (n=674)	41.4	[36.7, 46.3]	52.1	[47.2, 57.0]	2.1	[1.0, 4.6]	3.1	[2.0, 4.9]	0.3	[0.1, 1.1]	0.8	[0.3, 2.1]	100.0
Among respondents with diabetes (2016 or 2017 survey and/or DW) (n=557)	37.3	[32.5, 42.4]	53.0	[47.8, 58.2]	2.5	[1.4, 4.6]	4.8	[2.5, 9.1]	0.9	[0.3, 3.1]	1.4	[0.7, 2.9]	100.0
Among respondents with hypertension (2016 or 2017 survey and/or DW) (n=1,208)	39.0	[35.5, 42.5]	51.3	[47.7, 55.0]	2.7	[1.8, 4.0]	5.4	[3.7, 7.6]	0.7	[0.3, 1.7]	1.0	[0.5, 1.8]	100.0
Among respondents with heart disease (2016 or 2017 survey and/or DW) (n=456)	39.7	[34.1, 45.6]	52.3	[46.3, 58.3]	2.1	[1.1, 4.0]	4.5	[2.4, 8.4]	0.3	[0.1, 1.1]	1.1	[0.4, 3.0]	100.0
<b>Total (n=2,388)</b>	<b>37.1</b>	<b>[34.6, 39.6]</b>	<b>51.4</b>	<b>[48.7, 54.0]</b>	<b>3.9</b>	<b>[3.0, 5.2]</b>	<b>6.3</b>	<b>[5.1, 7.8]</b>	<b>0.6</b>	<b>[0.3, 1.1]</b>	<b>0.8</b>	<b>[0.4, 1.5]</b>	<b>100.0</b>

2.7.3 Without HMP I wouldn't be able to go to the dentist (2017), among still enrolled chronic condition subgroups

	Strongly agree		Agree		Without HMP I wouldn't be able to go to dentist (2017)				Strongly disagree		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Neutral Row%	95%CI	Disagree Row%	95%CI	Row%	95%CI	Row%	95%CI	
Among respondents with asthma (2016 or 2017 survey and/or DW) (n=619)	39.1	[34.3, 44.2]	45.7	[40.7, 50.8]	4.2	[2.5, 6.7]	6.6	[4.5, 9.5]	0.5	[0.1, 2.0]	4.0	[2.3, 6.9]	100.0
Among respondents with arthritis (2016 or 2017 survey and/or DW) (n=1,098)	37.1	[33.6, 40.7]	51.7	[48.1, 55.4]	3.6	[2.2, 5.8]	4.9	[3.6, 6.7]	0.3	[0.1, 0.7]	2.4	[1.6, 3.6]	100.0
Among respondents with cancer (2016 or 2017 survey and/or DW) (n=213)	32.2	[25.2, 40.1]	53.4	[45.0, 61.6]	1.5	[0.4, 5.4]	7.1	[3.9, 12.5]	0.9	[0.1, 6.4]	4.8	[2.4, 9.4]	100.0
Among respondents with COPD (2016 or 2017 survey and/or DW) (n=674)	37.7	[33.1, 42.6]	49.6	[44.6, 54.5]	3.0	[1.5, 5.8]	4.8	[3.1, 7.5]	0.5	[0.1, 1.7]	4.4	[2.3, 8.3]	100.0
Among respondents with diabetes (2016 or 2017 survey and/or DW) (n=557)	33.2	[28.6, 38.3]	52.2	[46.9, 57.4]	3.6	[2.3, 5.7]	7.1	[4.3, 11.6]	0.4	[0.1, 2.0]	3.4	[1.9, 6.1]	100.0
Among respondents with hypertension (2016 or 2017 survey and/or DW) (n=1,208)	34.7	[31.4, 38.2]	50.3	[46.6, 53.9]	3.9	[2.7, 5.6]	6.7	[4.9, 9.0]	0.4	[0.1, 0.9]	4.1	[2.6, 6.3]	100.0
Among respondents with heart disease (2016 or 2017 survey and/or DW) (n=456)	34.2	[28.9, 39.9]	51.1	[45.0, 57.1]	3.5	[1.7, 7.1]	6.2	[3.5, 10.8]	0.1	[0.0, 0.4]	5.0	[2.4, 10.2]	100.0
<b>Total (n=2,388)</b>	<b>33.7</b>	<b>[31.3, 36.2]</b>	<b>49.9</b>	<b>[47.3, 52.5]</b>	<b>5.0</b>	<b>[3.9, 6.3]</b>	<b>7.7</b>	<b>[6.3, 9.3]</b>	<b>0.6</b>	<b>[0.4, 1.1]</b>	<b>3.0</b>	<b>[2.2, 4.3]</b>	<b>100.0</b>

## 2.8 Perspectives on HMP coverage (change 2016-2017)

### 2.8.1 Perspectives on HMP coverage (2016, 2017, change 2016-2017), among respondents still enrolled

	Percent	2016 95%CI	N	Percent	2017 95%CI	N	Delta Percent
<b>Having HMP has taken a lot of stress off me<sup>a</sup></b>							
Strongly agree/agree	87.9	[86.0, 89.6]	2,139	91.4	[89.8, 92.9]	2,206	3.5
Strongly disagree/disagree/neutral/don't know	12.1	[10.4, 14.0]	248	8.6	[7.1, 10.2]	181	
<b>Without HMP, I wouldn't be able to go to the doctor<sup>b</sup></b>							
Strongly agree/agree	84.3	[82.3, 86.2]	2,028	88.4	[86.5, 90.1]	2,141	4.1
Strongly disagree/disagree/neutral/don't know	15.7	[13.8, 17.7]	358	11.6	[9.9, 13.5]	247	

<sup>a</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 10.90$ ,  $p = 0.0010$ ; Having HMP has taken a lot of stress off me ('strongly agree/agree' response) in 2017 OR = 1.69,  $p = 0.001$ , 95% CI (1.2, 2.3)

<sup>b</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 13.45$ ,  $p = 0.0003$ ; Without HMP, I wouldn't be able to go to the doctor ('strongly agree/agree' response) in 2017 OR = 1.69,  $p < 0.001$ , 95% CI (1.3, 2.2)

### 2.8.2 Importance of having health insurance (2016, 2017, change 2016-2017), among all respondents, respondents still enrolled, and respondents no longer enrolled

	Percent	2016 95%CI	N	Percent	2017 95%CI	N	Delta Percent
<b>It is very important to me personally to have health insurance</b>							
<b>All respondents<sup>a</sup></b>							
Strongly agree/agree	97.7	[96.8, 98.3]	3,028	97.3	[96.6, 97.9]	3,013	-0.4
Strongly disagree/disagree/neutral/don't know	2.3	[1.7, 3.2]	64	2.7	[2.1, 3.4]	84	
<b>Among respondents still enrolled<sup>b</sup></b>							
Strongly agree/agree	98.0	[96.9, 98.8]	2,342	97.6	[96.7, 98.2]	2,334	-0.4
Strongly disagree/disagree/neutral/don't know	2.0	[1.2, 3.1]	42	2.4	[1.8, 3.3]	54	
<b>Among respondents no longer enrolled<sup>c</sup></b>							
Strongly agree/agree	96.4	[94.3, 97.8]	686	96.4	[94.7, 97.6]	679	0.0
Strongly disagree/disagree/neutral/don't know	3.6	[2.2, 5.7]	22	3.6	[2.4, 5.3]	30	

<sup>a</sup> Mixed effects logistic regression results,  $F(1, 3,085) = 0.50$ ,  $p = 0.4804$ ; It is very important to me personally to have health insurance ('strongly agree/agree' response) in 2017 OR = 0.84,  $p = 0.480$ , 95% CI (0.5, 1.4)

<sup>b</sup> Mixed effects logistic regression results,  $F(1, 2,376) = 0.62$ ,  $p = 0.4309$ ; It is very important to me personally to have health insurance ('strongly agree/agree' response) in 2017 OR = 0.78,  $p = 0.431$ , 95% CI (0.4, 1.4)

<sup>c</sup> Mixed effects logistic regression results,  $F(1, 697) = 0.00$ ,  $p = 0.9937$ ; It is very important to me personally to have health insurance ('strongly agree/agree' response) in 2017 OR = 1.00,  $p = 0.994$ , 95% CI (0.5, 2.2)

**2.8.3 Importance of having health insurance (2016, 2017, change 2016-2017), among respondents still enrolled**

	Having health insurance is important to me								Delta Mean
	Mean	2016 SE	95%CI	N	Mean	2017 SE	95%CI	N	
<b>Among respondents still enrolled</b>	4.4	0.02	[4.4, 4.5]	2384	4.4	0.02	[4.4, 4.4]	2388	0.0

**Notes:** Having health insurance is important to me is measured on a 5-point Likert scale where 5 indicates "strongly agree" and 1 indicates "strongly disagree".

## 2.9 Questions or problems using HMP (change 2016-2017)

### 2.9.1 Questions or problems using HMP (2016, 2017, change 2016-2017), among respondents still enrolled

	Percent	2016 95%CI	N	Percent	2017 95%CI	N	Delta Percent
<b>Any questions about HMP<sup>a</sup></b>							
Yes	15.6	[13.9, 17.5]	376	11.0	[9.5, 12.7]	263	-4.6
No/don't know	84.4	[82.5, 86.1]	2,012	89.0	[87.3, 90.5]	2,125	

<sup>a</sup> Wording is different in survey years. In 2016, the wording used was "Have you had any questions or problems using your Healthy Michigan Plan insurance?"; in 2017, the wording used was "In the last 12 months, have you had any questions or problems using your Healthy Michigan Plan insurance?"

- 3 Aim 3: To understand financial and non-financial barriers and facilitators to care and how those change over time of enrollment and disenrollment.**

### 3.1 Forgone health care (2017)

#### 3.1.1 Forgone health care in the last 12 months (2017) by presence of a chronic condition, among respondents still enrolled

	Chronic condition (2016 or 2017 survey and/or DW)					
	Yes		No		Total	
	Col%	95%CI	Col%	95%CI	Col%	95%CI
<b>Forgone health care in last 12 months (2017)</b>						
Yes (n=183)	9.1	[7.6, 10.9]	2.8	[1.6, 4.8]	7.8	[6.5, 9.2]
No/don't know (n=2,204)	90.9	[89.1, 92.4]	97.2	[95.2, 98.4]	92.2	[90.8, 93.5]
Pearson: Uncorrected chi2(1) =	29.9527					
Design-based F(1.00, 3084.00) =	18.4252	Pr =	0.000			
<b>Forgone care: primary care (2017)</b>						
Yes (n=74)	43.3	[34.2, 52.9]	41.2	[18.2, 68.8]	43.2	[34.5, 52.3]
No (n=109)	56.7	[47.1, 65.8]	58.8	[31.2, 81.8]	56.8	[47.7, 65.5]
Pearson: Uncorrected chi2(1) =	0.1149					
Design-based F(1.00, 880.00) =	0.0198	Pr =	0.888			
<b>Forgone care: specialty care (2017)</b>						
Yes (n=54)	29.1	[21.3, 38.3]	18.6	[3.6, 58.0]	28.3	[20.9, 37.0]
No (n=129)	70.9	[61.7, 78.7]	81.4	[42.0, 96.4]	71.7	[63.0, 79.1]
Pearson: Uncorrected chi2(1) =	3.4202					
Design-based F(1.00, 880.00) =	0.3946	Pr =	0.530			
<b>Forgone care: mental health care (2017)</b>						
Yes (n=13)	8.4	[4.1, 16.4]	19.7	[4.2, 58.1]	9.2	[4.8, 17.0]
No (n=170)	91.6	[83.6, 95.9]	80.3	[41.9, 95.8]	90.8	[83.0, 95.2]
Pearson: Uncorrected chi2(1) =	9.8059					
Design-based F(1.00, 880.00) =	1.1462	Pr =	0.285			
<b>Forgone care: prescription medication (2017)</b>						
Yes (n=34)	19.9	[13.4, 28.6]	27.5	[9.9, 56.7]	20.5	[14.2, 28.7]
No (n=149)	80.1	[71.4, 86.6]	72.5	[43.3, 90.1]	79.5	[71.3, 85.8]
Pearson: Uncorrected chi2(1) =	2.2376					
Design-based F(1.00, 880.00) =	0.3946	Pr =	0.530			

Notes:  $\chi^2$  test of independence.

### 3.1.2 Forgone health care in the last 12 months (2017) by presence of a mental health condition and/or substance use disorder, among respondents still enrolled

	Mental health condition and/or substance use disorder (DW)					
	Yes		No		Total	
	Col%	95%CI	Col%	95%CI	Col%	95%CI
<b>Forgone health care in last 12 months (2017)</b>						
Yes (n=183)	10.7	[8.8, 13.0]	4.0	[2.8, 5.8]	7.8	[6.5, 9.2]
No/don't know (n=2,204)	89.3	[87.0, 91.2]	96.0	[94.2, 97.2]	92.2	[90.8, 93.5]
Pearson: Uncorrected chi2(1) =	46.8109					
Design-based F(1.00, 3084.00) =	24.0807	Pr =	0.000			
<b>Forgone care: primary care (2017)</b>						
Yes (n=74)	42.5	[32.7, 53.0]	45.4	[28.4, 63.6]	43.2	[34.5, 52.3]
No (n=109)	57.5	[47.0, 67.3]	54.6	[36.4, 71.6]	56.8	[47.7, 65.5]
Pearson: Uncorrected chi2(1) =	0.5345					
Design-based F(1.00, 880.00) =	0.0726	Pr =	0.788			
<b>Forgone care: specialty care (2017)</b>						
Yes (n=54)	27.7	[19.3, 38.0]	30.2	[16.6, 48.3]	28.3	[20.9, 37.0]
No (n=129)	72.3	[62.0, 80.7]	69.8	[51.7, 83.4]	71.7	[63.0, 79.1]
Pearson: Uncorrected chi2(1) =	0.4719					
Design-based F(1.00, 880.00) =	0.0679	Pr =	0.794			
<b>Forgone care: mental health care (2017)</b>						
Yes (n=13)	12.0	[6.3, 21.6]	0.0	9.2	[4.8, 17.0]	
No (n=170)	88.0	[78.4, 93.7]	100.0	90.8	[83.0, 95.2]	
Pearson: Uncorrected chi2(1) =	26.7889					
Design-based F(1.00, 880.00) =	3.2729	Pr =	0.071			
<b>Forgone care: prescription medication (2017)</b>						
Yes (n=34)	19.8	[12.8, 29.5]	22.7	[11.3, 40.4]	20.5	[14.2, 28.7]
No (n=149)	80.2	[70.5, 87.2]	77.3	[59.6, 88.7]	79.5	[71.3, 85.8]
Pearson: Uncorrected chi2(1) =	0.8051					
Design-based F(1.00, 880.00) =	0.1182	Pr =	0.731			

Notes:  $\chi^2$  test of independence.

### 3.1.3 Forgone health care in the last 12 months (2017) by presence of a mental health condition, among respondents still enrolled

	Mental health condition (DW)					
	Yes		No		Total	
	Col%	95%CI	Col%	95%CI	Col%	95%CI
<b>Forgone health care in last 12 months (2017)</b>						
Yes (n=183)	10.7	[8.6, 13.1]	4.9	[3.6, 6.7]	7.8	[6.5, 9.2]
No/don't know (n=2,204)	89.3	[86.9, 91.4]	95.1	[93.3, 96.4]	92.2	[90.8, 93.5]
Pearson: Uncorrected chi2(1) =	35.9954					
Design-based F(1.00, 3084.00) =	17.6598	Pr =	0.000			
<b>Forgone care: primary care (2017)</b>						
Yes (n=74)	39.7	[29.7, 50.7]	50.6	[35.2, 66.0]	43.2	[34.5, 52.3]
No (n=109)	60.3	[49.3, 70.3]	49.4	[34.0, 64.8]	56.8	[47.7, 65.5]
Pearson: Uncorrected chi2(1) =	9.3007					
Design-based F(1.00, 880.00) =	1.2426	Pr =	0.265			
<b>Forgone care: specialty care (2017)</b>						
Yes (n=54)	30.2	[21.0, 41.3]	24.0	[13.5, 38.8]	28.3	[20.9, 37.0]
No (n=129)	69.8	[58.7, 79.0]	76.0	[61.2, 86.5]	71.7	[63.0, 79.1]
Pearson: Uncorrected chi2(1) =	3.7088					
Design-based F(1.00, 880.00) =	0.5387	Pr =	0.463			
<b>Forgone care: mental health care (2017)</b>						
Yes (n=13)	11.9	[6.0, 22.3]	3.3	[0.5, 20.2]	9.2	[4.8, 17.0]
No (n=170)	88.1	[77.7, 94.0]	96.7	[79.8, 99.5]	90.8	[83.0, 95.2]
Pearson: Uncorrected chi2(1) =	16.8654					
Design-based F(1.00, 880.00) =	1.8077	Pr =	0.179			
<b>Forgone care: prescription medication (2017)</b>						
Yes (n=34)	21.0	[13.3, 31.5]	19.4	[10.3, 33.7]	20.5	[14.2, 28.7]
No (n=149)	79.0	[68.5, 86.7]	80.6	[66.3, 89.7]	79.5	[71.3, 85.8]
Pearson: Uncorrected chi2(1) =	0.2952					
Design-based F(1.00, 880.00) =	0.0433	Pr =	0.835			

Notes:  $\chi^2$  test of independence.

### 3.1.4 Forgone health care in the last 12 months (2017) by presence of a substance use disorder, among respondents still enrolled

	Substance use disorder (DW)					
	Yes		No		Total	
	Col%	95%CI	Col%	95%CI	Col%	95%CI
<b>Forgone health care in last 12 months (2017)</b>						
Yes (n=183)	13.6	[10.1, 17.9]	6.2	[5.0, 7.6]	7.8	[6.5, 9.2]
No/don't know (n=2,204)	86.4	[82.1, 89.9]	93.8	[92.4, 95.0]	92.2	[90.8, 93.5]
Pearson: Uncorrected chi2(1) =	40.1271					
Design-based F(1.00, 3084.00) =	18.7535	Pr =	0.000			
<b>Forgone care: primary care (2017)</b>						
Yes (n=74)	52.7	[37.6, 67.3]	37.3	[27.3, 48.6]	43.2	[34.5, 52.3]
No (n=109)	47.3	[32.7, 62.4]	62.7	[51.4, 72.7]	56.8	[47.7, 65.5]
Pearson: Uncorrected chi2(1) =	20.2768					
Design-based F(1.00, 880.00) =	2.5706	Pr =	0.109			
<b>Forgone care: specialty care (2017)</b>						
Yes (n=54)	16.5	[7.6, 32.2]	35.4	[25.7, 46.5]	28.3	[20.9, 37.0]
No (n=129)	83.5	[67.8, 92.4]	64.6	[53.5, 74.3]	71.7	[63.0, 79.1]
Pearson: Uncorrected chi2(1) =	36.8190					
Design-based F(1.00, 880.00) =	4.2867	Pr =	0.039			
<b>Forgone care: mental health care (2017)</b>						
Yes (n=13)	9.8	[4.0, 21.8]	8.9	[3.5, 20.7]	9.2	[4.8, 17.0]
No (n=170)	90.2	[78.2, 96.0]	91.1	[79.3, 96.5]	90.8	[83.0, 95.2]
Pearson: Uncorrected chi2(1) =	0.1822					
Design-based F(1.00, 880.00) =	0.0211	Pr =	0.885			
<b>Forgone care: prescription medication (2017)</b>						
Yes (n=34)	20.9	[11.2, 35.4]	20.3	[12.7, 30.8]	20.5	[14.2, 28.7]
No (n=149)	79.1	[64.6, 88.8]	79.7	[69.2, 87.3]	79.5	[71.3, 85.8]
Pearson: Uncorrected chi2(1) =	0.0441					
Design-based F(1.00, 880.00) =	0.0058	Pr =	0.939			

Notes:  $\chi^2$  test of independence.

### 3.1.5 Predictors of forgone health care in the last 12 months (2017), among respondents still enrolled

	Forgone health care in last 12 months (2017)			Forgone health care in last 12 months (2017)			Forgone health care in last 12 months (2017)			Forgone health care in last 12 months (2017)		
	aOR	95% CI	p-value									
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>												
No		Reference										
Yes	4.07	[2.102, 7.874]	0.000									
<b>Age (DW)</b>												
19-34		Reference										
35-50	0.97	[0.583, 1.618]	0.911	1.14	[0.679, 1.902]	0.626	1.16	[0.695, 1.943]	0.567	1.12	[0.668, 1.864]	0.677
51-64	1.01	[0.606, 1.670]	0.981	1.37	[0.833, 2.265]	0.214	1.40	[0.846, 2.320]	0.190	1.25	[0.763, 2.062]	0.371
<b>Gender (DW)</b>												
Male		Reference										
Female	1.05	[0.701, 1.567]	0.820	1.05	[0.705, 1.572]	0.803	1.01	[0.674, 1.509]	0.969	1.20	[0.792, 1.826]	0.387
<b>Race/ethnicity (2016)</b>												
White, non-Hispanic		Reference										
Black, non-Hispanic	0.87	[0.529, 1.415]	0.565	1.07	[0.653, 1.738]	0.799	1.08	[0.666, 1.751]	0.755	0.85	[0.520, 1.405]	0.536
Hispanic	0.85	[0.318, 2.245]	0.736	0.87	[0.330, 2.290]	0.777	0.88	[0.331, 2.348]	0.800	0.83	[0.325, 2.119]	0.696
Other, non-Hispanic	1.21	[0.635, 2.294]	0.567	1.26	[0.660, 2.410]	0.482	1.22	[0.641, 2.329]	0.543	1.22	[0.639, 2.345]	0.542
<b>FPL category (DW)</b>												
0-35%		Reference										
36-99%	0.50	[0.318, 0.784]	0.003	0.54	[0.345, 0.855]	0.008	0.53	[0.335, 0.830]	0.006	0.53	[0.340, 0.840]	0.007
100%+	0.71	[0.426, 1.176]	0.182	0.75	[0.453, 1.250]	0.272	0.74	[0.445, 1.228]	0.244	0.76	[0.460, 1.268]	0.296
<b>Highest level of education (2017)</b>												
High school or less		Reference										
Associate's degree/some college	1.16	[0.753, 1.778]	0.506	1.13	[0.731, 1.738]	0.588	1.09	[0.706, 1.680]	0.699	1.21	[0.789, 1.851]	0.385
Bachelor's/post graduate degree	1.69	[0.948, 3.007]	0.075	1.71	[0.959, 3.058]	0.069	1.59	[0.893, 2.820]	0.115	1.75	[0.977, 3.126]	0.060
<b>Mental health condition and/or substance use disorder (DW)</b>												
No					Reference							
Yes				2.95	[1.877, 4.634]	0.000						
<b>Mental health condition (DW)</b>												
No							2.37	[1.569, 3.588]	0.000			
Yes												
<b>Substance use disorder (DW)</b>												
No											Reference	
Yes										2.53	[1.631, 3.919]	0.000
<b>Constant</b>	0.03	[0.013, 0.060]	0.000	0.04	[0.019, 0.066]	0.000	0.05	[0.025, 0.083]	0.000	0.06	[0.031, 0.098]	0.000
N	2,352			2,352			2,352			2,352		
F-value	2.442			3.602			2.841			3.194		
Model degrees of freedom	11.000			11.000			11.000			11.000		
Residual degrees of freedom	2,340.000			2,340.000			2,340.000			2,340.000		
F-value significance	0.005			0.000			0.001			0.000		

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**Notes:** Multiple logistic regression. Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse.

**3.1.6 Forgone health care since HMP coverage ended (2017) by insurance status, detailed (2017), among respondents no longer enrolled**

Insurance status, detailed (2017)	Forgone health care since HMP coverage ended (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
Uninsured (n=193)	30.4	[22.4, 39.8]	69.6	[60.2, 77.6]	100.0
Medicaid (n=202)	10.1	[5.7, 17.3]	89.9	[82.7, 94.3]	100.0
Private, job (n=136)	5.9	[3.3, 10.3]	94.1	[89.7, 96.7]	100.0
Private, self or other, healthcare.gov (n=32)	13.6	[5.5, 29.8]	86.4	[70.2, 94.5]	100.0
Medicare, VA, or CHAMPUS (n=103)	20.7	[12.0, 33.3]	79.3	[66.7, 88.0]	100.0
Other, unspecified, or unknown (n=42)	17.9	[7.9, 35.6]	82.1	[64.4, 92.1]	100.0
Pearson: Uncorrected chi2(5) =	206.4810				
Design-based F(4.61, 14231.40) =	7.0903	Pr =	0.000		

Notes:  $\chi^2$  test of independence. Cramer's V= 0.26.

### 3.1.7 Predictors of forgone health care since HMP coverage ended (2017), among respondents no longer enrolled

	Forgone health care since HMP coverage ended (2017)		
	aOR	95% CI	p-value
<b>Insurance status, detailed (2017)</b>			
Uninsured		Reference	
Medicaid	0.25	[0.111, 0.567]	0.001
Private, job	0.12	[0.056, 0.258]	0.000
Private, self or other, healthcare.gov	0.32	[0.097, 1.072]	0.065
Medicare, VA, or CHAMPUS	0.71	[0.290, 1.739]	0.453
Other, unspecified, or unknown	0.61	[0.224, 1.670]	0.336
<b>Employed/self-employed (2017)</b>			
Yes		Reference	
No	1.08	[0.585, 2.000]	0.802
<b>Married or partnered (2017)</b>			
No		Reference	
Yes	0.65	[0.373, 1.128]	0.125
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>			
No		Reference	
Yes	1.05	[0.561, 1.976]	0.874
<b>Number of places lived in past 3 years (2017)</b>			
One		Reference	
Two	1.40	[0.768, 2.562]	0.270
Three	0.76	[0.316, 1.808]	0.528
Four or more	0.58	[0.142, 2.366]	0.447
<b>Urbanicity (DW)</b>			
Urban		Reference	
Suburban	0.48	[0.205, 1.107]	0.085
Rural	0.44	[0.208, 0.925]	0.030
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.36	[0.718, 2.596]	0.343
51-64	0.72	[0.332, 1.565]	0.408
<b>Gender (DW)</b>			
Male		Reference	
Female	1.43	[0.850, 2.422]	0.177
<b>Race/ethnicity (DW)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.25	[0.123, 0.526]	0.000
Hispanic	0.62	[0.163, 2.352]	0.480
Other, non-Hispanic	0.52	[0.202, 1.335]	0.174
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.59	[0.293, 1.177]	0.134
100%+	1.02	[0.529, 1.965]	0.954
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.47	[0.781, 2.771]	0.232
Bachelor's/post graduate degree	1.58	[0.769, 3.232]	0.214
<b>Constant</b>	0.57	[0.224, 1.472]	0.248
N	695		
F-value	2.763		
Model degrees of freedom	23.000		
Residual degrees of freedom	683.000		
F-value significance	0.000		

**Notes:** Multiple logistic regression. Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse. For number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

### 3.1.8 Forgone health care (2017) by follow-up group, among all respondents

	Forgone health care (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	7.8	[6.5, 9.2]	92.2	[90.8, 93.5]	100.0
No longer enrolled (n=709)	17.1	[13.7, 21.2]	82.9	[78.8, 86.3]	100.0
Pearson: Uncorrected chi2(1) =	53.8174				
Design-based F(1.00, 3085.00) =	31.0191	Pr =	0.000		
<b>Total (n=3,097)</b>	<b>9.9</b>	<b>[8.6, 11.4]</b>	<b>90.1</b>	<b>[88.6, 91.4]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Forgone health care was defined as respondents who reported forgone health care either in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled.  $\phi = 0.13$

### 3.1.9 Forgone health care (2017) by follow-up group, among chronic condition subgroups

	Yes		Forgone health care No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=619)	9.8	[7.1, 13.4]	90.2	[86.6, 92.9]	0.0		100.0
No longer enrolled (n=181)	17.0	[11.2, 25.1]	82.1	[73.9, 88.1]	0.9	[0.1, 5.8]	100.0
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=1,098)	11.6	[9.4, 14.2]	88.1	[85.5, 90.2]	0.3	[0.1, 1.0]	100.0
No longer enrolled (n=294)	16.1	[11.9, 21.5]	82.2	[76.4, 86.8]	1.7	[0.4, 6.9]	100.0
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=213)	6.6	[3.8, 11.5]	93.1	[88.3, 96.1]	0.2	[0.0, 1.7]	100.0
No longer enrolled (n=65)	10.2	[4.8, 20.3]	89.8	[79.7, 95.2]	0.0		100.0
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=674)	10.6	[7.9, 14.2]	89.4	[85.8, 92.1]	0.0		100.0
No longer enrolled (n=183)	14.1	[8.9, 21.5]	85.0	[77.5, 90.4]	0.9	[0.1, 6.2]	100.0
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=557)	9.6	[7.0, 13.1]	90.3	[86.8, 92.9]	0.1	[0.0, 1.0]	100.0
No longer enrolled (n=142)	19.4	[12.5, 29.0]	80.6	[71.0, 87.5]	0.0		100.0
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=1,208)	10.9	[8.8, 13.5]	89.1	[86.5, 91.2]	0.0		100.0
No longer enrolled (n=342)	17.1	[12.8, 22.5]	82.5	[77.0, 86.8]	0.5	[0.1, 3.2]	100.0
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=456)	12.0	[8.7, 16.4]	87.9	[83.5, 91.2]	0.1	[0.0, 0.7]	100.0
No longer enrolled (n=136)	20.8	[13.6, 30.6]	79.2	[69.4, 86.4]	0.0		100.0
<b>Total (n=2,387)</b>	<b>7.8</b>	<b>[6.5, 9.2]</b>	<b>92.1</b>	<b>[90.6, 93.4]</b>	<b>0.1</b>	<b>[0.0, 0.4]</b>	<b>100.0</b>

### 3.2 Forgone health care due to financial reasons (2017)

#### 3.2.1 Forgone health care due to financial reasons (2017) by follow-up group, among respondents still enrolled and those no longer enrolled

	Forgone health care due to financial reasons (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	1.6	[1.1, 2.3]	98.4	[97.7, 98.9]	100.0
No longer enrolled (n=709)	13.5	[10.3, 17.4]	86.5	[82.6, 89.7]	100.0
Pearson: Uncorrected chi2(1) =	188.2382				
Design-based F(1.00, 3085.00) =	121.7478	Pr =	0.000		
<b>Total (n=3,097)</b>	<b>4.3</b>	<b>[3.5, 5.4]</b>	<b>95.7</b>	<b>[94.6, 96.5]</b>	<b>100.0</b>

**Note:**  $\chi^2$  test of independence. Forgone health care due to financial reasons was defined as respondents who reported forgone health care, either in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled, due to the following reasons: cost, no insurance coverage, or needing a service that was not covered.  $\phi = 0.25$

### 3.2.2 Predictors of forgone health care due to financial reasons (2017), among respondents still enrolled and those no longer enrolled

	Forgone health care due to financial reasons (2017)		
	aOR	95% CI	p-value
<b>Follow-up group</b>			
No longer enrolled		Reference	
Still enrolled	0.09	[0.050, 0.147]	0.000
<b>Number of chronic conditions (DW)</b>	1.12	[0.946, 1.316]	0.194
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.19	[0.688, 2.048]	0.537
51-64	0.82	[0.421, 1.587]	0.550
<b>Gender (DW)</b>			
Male		Reference	
Female	1.05	[0.629, 1.754]	0.850
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.42	[0.220, 0.812]	0.010
Hispanic	1.29	[0.476, 3.522]	0.613
Other, non-Hispanic	0.39	[0.152, 0.982]	0.046
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.54	[0.295, 1.007]	0.053
100%+	0.87	[0.450, 1.662]	0.663
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.85	[1.068, 3.206]	0.028
Bachelor's/post graduate degree	1.12	[0.534, 2.353]	0.763
<b>Constant</b>	0.15	[0.058, 0.398]	0.000
N	3,051		
F-value	13.989		
Model degrees of freedom	12.000		
Residual degrees of freedom	3,039.000		
F-value significance	0.000		

**Notes:** Multiple logistic regression. Forgone health care due to financial reasons was defined as respondents who reported forgone health care, either in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled, due to the following reasons: cost, no insurance coverage, or needing a service that was not covered.

**3.2.3 Forgone health care due to financial reasons (2017) by follow-up group, among respondents still enrolled and those no longer enrolled with private insurance**

	Forgone health care due to financial reasons (2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	1.6	[1.1, 2.3]	98.4	[97.7, 98.9]	100.0
No longer enrolled with private insurance (n=183)	4.9	[2.8, 8.5]	95.1	[91.5, 97.2]	100.0
Pearson: Uncorrected chi2(1) =	13.3750				
Design-based F(1.00, 3085.00) =	11.8483	Pr =	0.001		
<b>Total (n=2,571)</b>	1.8	[1.3, 2.5]	98.2	[97.5, 98.7]	100.0

**Note:**  $\chi^2$  test of independence. Forgone health care due to financial reasons was defined as respondents who reported forgone health care, either in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled, due to the following reasons: cost, no insurance coverage, or needing a service that was not covered.  $\phi = 0.07$

**3.2.4 Predictors of forgone health care due to financial reasons (2017), among respondents still enrolled and those no longer enrolled with private insurance**

	Forgone health care due to financial reasons (2017)		
	aOR	95% CI	p-value
<b>Follow-up group</b>			
No longer enrolled with private insurance		Reference	
Still enrolled	0.25	[0.118, 0.549]	0.000
<b>Number of chronic conditions (DW)</b>	1.53	[1.273, 1.848]	0.000
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.42	[0.556, 3.622]	0.464
51-64	1.04	[0.376, 2.865]	0.943
<b>Gender (DW)</b>			
Male		Reference	
Female	0.66	[0.333, 1.305]	0.231
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.64	[0.279, 1.483]	0.300
Hispanic	2.16	[0.563, 8.324]	0.261
Other, non-Hispanic	0.27	[0.056, 1.295]	0.102
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	1.02	[0.511, 2.019]	0.965
100%+	1.60	[0.662, 3.885]	0.296
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.22	[0.578, 2.559]	0.607
Bachelor's/post graduate degree	1.63	[0.702, 3.776]	0.256
<b>Constant</b>	0.02	[0.008, 0.050]	0.000
N	2,533		
F-value	6.689		
Model degrees of freedom	12.000		
Residual degrees of freedom	2,521.000		
F-value significance	0.000		

**Notes:** Multiple logistic regression. Forgone health care due to financial reasons was defined as respondents who reported forgone health care, either in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled, due to the following reasons: cost, no insurance coverage, or needing a service that was not covered.

### 3.3 Forgone dental care (2017)

#### 3.3.1 Forgone dental care in the last 12 months (2017) by presence of a chronic condition, presence of a mental health condition and/or substance use disorder, presence of a mental health condition, and presence of a substance use disorder, among respondents still enrolled

	Forgone dental care in last 12 months (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>					
Yes (n=1,929)	17.2	[15.2, 19.4]	82.8	[80.6, 84.8]	100.0
No (n=457)	13.7	[10.4, 17.9]	86.3	[82.1, 89.6]	100.0
Pearson: Uncorrected chi2(1) =	4.6138				
Design-based F(1.00, 3083.00) =	2.2779	Pr =	0.131		
<b>Mental health condition and/or substance use disorder (DW)</b>					
Yes (n=1,363)	18.8	[16.3, 21.5]	81.2	[78.5, 83.7]	100.0
No (n=1,023)	13.5	[11.2, 16.1]	86.5	[83.9, 88.8]	100.0
Pearson: Uncorrected chi2(1) =	15.6177				
Design-based F(1.00, 3083.00) =	8.3294	Pr =	0.004		
<b>Mental health condition (DW)</b>					
Yes (n=1,230)	19.6	[17.0, 22.5]	80.4	[77.5, 83.0]	100.0
No (n=1,156)	13.3	[11.1, 15.8]	86.7	[84.2, 88.9]	100.0
Pearson: Uncorrected chi2(1) =	22.3841				
Design-based F(1.00, 3083.00) =	11.6608	Pr =	0.001		
<b>Substance use disorder (DW)</b>					
Yes (n=482)	16.5	[12.7, 21.1]	83.5	[78.9, 87.3]	100.0
No (n=1,904)	16.4	[14.5, 18.6]	83.6	[81.4, 85.5]	100.0
Pearson: Uncorrected chi2(1) =	0.0001				
Design-based F(1.00, 3083.00) =	0.0000	Pr =	0.995		
<b>Total (n=2,386)</b>	16.4	[14.7, 18.3]	83.6	[81.7, 85.3]	100.0

Notes:  $\chi^2$  test of independence.

### 3.3.2 Forgone dental care in the last 12 months (2017) by employment (2017), among respondents still enrolled

Employed/self-employed (2017)	Forgone dental care in last 12 months (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
Yes (n=1,319)	15.6	[13.4, 18.1]	84.4	[81.9, 86.6]	100.0
No (n=1,064)	17.6	[14.9, 20.6]	82.4	[79.4, 85.1]	100.0
Pearson: Uncorrected chi2(1) =	2.2392				
Design-based F(1.00, 3080.00) =	1.1418	Pr =	0.285		

Notes:  $\chi^2$  test of independence.

### 3.3.3 Forgone dental care in the last 12 months (2017) by knowledge that dental care is covered (2017), among respondents still enrolled

Knowledge that dental care is covered (2017)	Forgone dental care in last 12 months (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
Yes (n=1,955)	15.0	[13.1, 17.0]	85.0	[83.0, 86.9]	100.0
No/don't know (n=431)	23.0	[18.5, 28.3]	77.0	[71.7, 81.5]	100.0
Pearson: Uncorrected chi2(1) =	22.0848				
Design-based F(1.00, 3083.00) =	10.9438	Pr =	0.001		

Notes:  $\chi^2$  test of independence.  $\phi = 0.08$

### 3.3.4 Predictors of forgone dental care in the last 12 months (2017), among respondents still enrolled

	Forgone dental care in last 12 months (2017)		
	aOR	95% CI	p-value
<b>Knowledge that dental care is covered (2017)</b>			
No/don't know		Reference	
Yes	0.57	[0.410, 0.788]	0.001
<b>Age (DW)</b>			
19-34		Reference	
35-50	0.97	[0.693, 1.369]	0.881
51-64	0.88	[0.631, 1.228]	0.453
<b>Gender (DW)</b>			
Male		Reference	
Female	1.71	[1.274, 2.290]	0.000
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.87	[0.615, 1.223]	0.416
Hispanic	0.53	[0.252, 1.100]	0.088
Other, non-Hispanic	1.18	[0.738, 1.886]	0.490
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	1.02	[0.746, 1.390]	0.909
100%+	1.19	[0.851, 1.654]	0.313
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.24	[0.920, 1.668]	0.159
Bachelor's/post graduate degree	1.67	[1.137, 2.457]	0.009
<b>Constant</b>	0.21	[0.128, 0.328]	0.000
N	2,351		
F-value	3.320		
Model degrees of freedom	11.000		
Residual degrees of freedom	2,339.000		
F-value significance	0.000		

Notes: Multiple logistic regression.

### 3.3.5 Predictors of forgone dental care in the last 12 months (2017), among respondents still enrolled

	Forgone dental care in last 12 months (2017)			Forgone dental care in last 12 months (2017)			Forgone dental care in last 12 months (2017)			Forgone dental care in last 12 months (2017)		
	aOR	95% CI	p-value									
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>												
No		Reference										
Yes	1.45	[1.002, 2.083]	0.049									
<b>Age (DW)</b>												
19-34		Reference										
35-50	0.92	[0.651, 1.286]	0.609	0.97	[0.689, 1.355]	0.841	0.97	[0.694, 1.367]	0.879	0.97	[0.692, 1.363]	0.866
51-64	0.82	[0.584, 1.158]	0.263	0.93	[0.664, 1.289]	0.646	0.94	[0.674, 1.311]	0.715	0.90	[0.646, 1.253]	0.531
<b>Gender (DW)</b>												
Male		Reference										
Female	1.64	[1.225, 2.200]	0.001	1.64	[1.225, 2.193]	0.001	1.60	[1.191, 2.142]	0.002	1.69	[1.265, 2.270]	0.000
<b>Race/ethnicity (2016)</b>												
White, non-Hispanic		Reference										
Black, non-Hispanic	0.87	[0.619, 1.233]	0.442	0.96	[0.688, 1.343]	0.818	0.99	[0.711, 1.382]	0.958	0.87	[0.619, 1.234]	0.444
Hispanic	0.55	[0.263, 1.158]	0.116	0.56	[0.265, 1.168]	0.121	0.56	[0.268, 1.178]	0.127	0.55	[0.262, 1.142]	0.108
Other, non-Hispanic	1.24	[0.774, 1.989]	0.371	1.28	[0.801, 2.045]	0.303	1.27	[0.798, 2.036]	0.310	1.22	[0.763, 1.957]	0.405
<b>FPL category (DW)</b>												
0-35%		Reference										
36-99%	1.04	[0.761, 1.421]	0.806	1.09	[0.800, 1.483]	0.588	1.08	[0.795, 1.480]	0.607	1.04	[0.765, 1.425]	0.787
100%+	1.24	[0.889, 1.725]	0.207	1.29	[0.926, 1.787]	0.133	1.29	[0.926, 1.792]	0.133	1.24	[0.894, 1.732]	0.194
<b>Highest level of education (2017)</b>												
High school or less		Reference										
Associate's degree/some college	1.25	[0.933, 1.685]	0.133	1.24	[0.920, 1.663]	0.159	1.22	[0.904, 1.636]	0.196	1.26	[0.936, 1.686]	0.128
Bachelor's/post graduate degree	1.67	[1.129, 2.463]	0.010	1.70	[1.149, 2.507]	0.008	1.66	[1.123, 2.452]	0.011	1.64	[1.115, 2.421]	0.012
<b>Mental health condition and/or substance use disorder (DW)</b>												
No												
Yes				1.57	[1.202, 2.044]	0.001						
<b>Mental health condition (DW)</b>												
No												
Yes							1.60	[1.234, 2.085]	0.000			
<b>Substance use disorder (DW)</b>												
No												
Yes										1.21	[0.857, 1.719]	0.276
<b>Constant</b>	0.10	[0.065, 0.160]	0.000	0.09	[0.063, 0.142]	0.000	0.10	[0.065, 0.145]	0.000	0.12	[0.084, 0.180]	0.000
N	2,351			2,351			2,351			2,351		
F-value	2.474			3.229			3.369			2.316		
Model degrees of freedom	11.000			11.000			11.000			11.000		
Residual degrees of freedom	2,339.000			2,339.000			2,339.000			2,339.000		
F-value significance	0.004			0.000			0.000			0.008		

**Notes:** Multiple logistic regression. Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse.

### 3.3.6 Forgone dental care (2017) by follow-up group, among all respondents

	Forgone dental care (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	16.4	[14.7, 18.3]	83.6	[81.7, 85.3]	100.0
No longer enrolled (n=709)	23.3	[19.7, 27.2]	76.7	[72.8, 80.3]	100.0
Pearson: Uncorrected chi2(1) =	17.4270				
Design-based F(1.00, 3085.00) =	11.7931	Pr =	0.001		
<b>Total (n=3,097)</b>	18.0	[16.4, 19.7]	82.0	[80.3, 83.6]	100.0

**Notes:**  $\chi^2$  test of independence. Forgone dental care was defined as respondents who reported forgone dental care either in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled.  $\phi = 0.08$

### 3.3.7 Predictors of forgone dental care (2017), among all respondents

	Forgone dental care (2017)		
	aOR	95% CI	p-value
<b>Follow-up group</b>			
Still enrolled		Reference	
No longer enrolled	1.58	[1.224, 2.037]	0.000
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.17	[0.877, 1.549]	0.290
51-64	1.02	[0.773, 1.348]	0.885
<b>Gender (DW)</b>			
Male		Reference	
Female	1.63	[1.276, 2.081]	0.000
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.84	[0.630, 1.125]	0.246
Hispanic	0.49	[0.270, 0.893]	0.020
Other, non-Hispanic	1.09	[0.728, 1.627]	0.681
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	1.06	[0.806, 1.384]	0.692
100%+	1.20	[0.905, 1.597]	0.203
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.28	[0.995, 1.643]	0.055
Bachelor's/post graduate degree	1.47	[1.060, 2.037]	0.021
<b>Constant</b>	0.12	[0.088, 0.170]	0.000
N	3,051		
F-value	4.174		
Model degrees of freedom	11.000		
Residual degrees of freedom	3,039.000		
F-value significance	0.000		

**Notes:** Multiple logistic regression. Forgone dental care was defined as respondents who reported forgone dental care either in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled.

### 3.3.8 Forgone dental care (2017) by follow-up group, among chronic condition subgroups

	Yes		Forgone dental care No		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=619)	18.9	[15.3, 23.0]	80.8	[76.6, 84.4]	0.3	[0.1, 1.4]	100.0
No longer enrolled (n=181)	22.4	[15.7, 30.9]	77.6	[69.1, 84.3]	0.0		100.0
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=1,096)	17.3	[14.8, 20.2]	82.4	[79.5, 85.0]	0.3	[0.1, 1.0]	100.0
No longer enrolled (n=294)	21.8	[16.8, 27.9]	77.8	[71.8, 82.9]	0.4	[0.1, 1.6]	100.0
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=213)	21.8	[15.6, 29.7]	78.2	[70.3, 84.4]	0.0		100.0
No longer enrolled (n=65)	30.7	[17.3, 48.4]	69.3	[51.6, 82.7]	0.0		100.0
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=673)	19.8	[16.1, 24.0]	79.9	[75.7, 83.5]	0.3	[0.1, 1.4]	100.0
No longer enrolled (n=183)	28.4	[21.0, 37.2]	70.5	[61.7, 77.9]	1.1	[0.3, 4.6]	100.0
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=557)	18.0	[14.5, 22.2]	82.0	[77.8, 85.5]	0.0		100.0
No longer enrolled (n=142)	25.3	[17.6, 34.9]	74.5	[64.9, 82.2]	0.3	[0.0, 1.8]	100.0
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=1,207)	16.6	[14.1, 19.5]	83.2	[80.4, 85.8]	0.1	[0.0, 0.8]	100.0
No longer enrolled (n=342)	23.6	[18.5, 29.6]	75.8	[69.7, 80.9]	0.7	[0.2, 2.3]	100.0
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>							
Still enrolled (n=456)	20.8	[16.3, 26.2]	78.9	[73.5, 83.4]	0.3	[0.0, 2.0]	100.0
No longer enrolled (n=136)	27.3	[18.9, 37.8]	72.2	[61.7, 80.7]	0.5	[0.1, 3.6]	100.0
<b>Total (n=2,386)</b>	<b>16.4</b>	<b>[14.7, 18.3]</b>	<b>83.3</b>	<b>[81.4, 85.1]</b>	<b>0.2</b>	<b>[0.1, 0.5]</b>	<b>100.0</b>

### 3.4 Out-of-pocket costs (2017)

#### 3.4.1 Out-of-pocket costs in the last 12 months (2017), among still enrolled chronic condition subgroups

	Less than \$50		\$51-100		\$101-500		Out-of-pocket costs in the last 12 months (2017)				\$3,001-5,000		More than \$5,000		Don't know		Total Row%
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Among respondents with asthma (2016 or 2017 survey and/or DW) (n=617)	66.9	[62.1, 71.3]	10.4	[7.7, 13.9]	15.9	[13.1, 19.3]	4.3	[2.7, 6.7]	1.0	[0.2, 4.7]	0.0		1.2	[0.4, 3.6]	0.4	[0.1, 1.6]	100.0
Among respondents with arthritis (2016 or 2017 survey and/or DW) (n=1,092)	63.9	[60.4, 67.2]	11.0	[9.1, 13.1]	18.5	[15.8, 21.5]	5.6	[4.2, 7.5]	0.3	[0.1, 0.7]	0.1	[0.0, 0.4]	0.3	[0.1, 1.3]	0.3	[0.1, 0.8]	100.0
Among respondents with cancer (2016 or 2017 survey and/or DW) (n=212)	60.1	[51.7, 67.9]	12.8	[8.1, 19.7]	22.4	[16.4, 29.8]	4.2	[2.2, 8.0]	0.0		0.0		0.3	[0.0, 1.8]	0.3	[0.0, 2.0]	100.0
Among respondents with COPD (2016 or 2017 survey and/or DW) (n=673)	66.2	[61.4, 70.7]	11.5	[8.8, 15.0]	17.5	[14.0, 21.6]	3.7	[2.1, 6.4]	0.3	[0.1, 1.0]	0.2	[0.0, 0.7]	0.4	[0.1, 2.9]	0.2	[0.1, 0.7]	100.0
Among respondents with diabetes (2016 or 2017 survey and/or DW) (n=555)	69.0	[64.4, 73.4]	10.0	[7.5, 13.1]	14.0	[11.1, 17.4]	5.4	[3.6, 8.1]	0.1	[0.0, 0.8]	0.0		1.2	[0.3, 4.0]	0.3	[0.0, 2.2]	100.0
Among respondents with hypertension (2016 or 2017 survey and/or DW) (n=1,205)	68.4	[65.1, 71.6]	10.5	[8.5, 12.8]	14.7	[12.5, 17.3]	5.3	[3.9, 7.2]	0.2	[0.1, 0.6]	0.0		0.5	[0.1, 1.6]	0.4	[0.1, 1.4]	100.0
Among respondents with heart disease (2016 or 2017 survey and/or DW) (n=455)	68.3	[62.6, 73.5]	12.7	[9.1, 17.5]	13.7	[10.6, 17.6]	4.5	[2.4, 8.1]	0.0	[0.0, 0.3]	0.0		0.0		0.8	[0.2, 3.2]	100.0
<b>Total (n=2,380)</b>	<b>65.7</b>	<b>[63.3, 68.1]</b>	<b>10.9</b>	<b>[9.5, 12.6]</b>	<b>16.6</b>	<b>[14.7, 18.6]</b>	<b>4.9</b>	<b>[3.9, 6.1]</b>	<b>0.4</b>	<b>[0.1, 1.2]</b>	<b>0.3</b>	<b>[0.1, 0.9]</b>	<b>0.4</b>	<b>[0.2, 1.0]</b>	<b>0.8</b>	<b>[0.5, 1.4]</b>	<b>100.0</b>

- 4 Aim 4: To describe HMP respondents' health behaviors, how they change over time with enrollment and disenrollment in HMP, and barriers and facilitators to improvement in health behaviors.**

## 4.1 Average weight (change 2016-2017)

### 4.1.1 Average weight (2016, 2017, change 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled, respondents with a chronic condition, respondents with a mental health condition and/or substance use disorder, respondents with a mental health condition, respondents with a substance use disorder

	2016			Weight			2017			Delta Mean
	Mean	SE	95%CI	N	Mean	SE	95%CI	N		
<b>Any HRA completion with physician attestation (DW), among respondents still enrolled<sup>a</sup></b>										
Yes	193.0	2.01	[189.1, 196.9]	1,084	195.2	2.07	[191.2, 199.3]	1,085	2.2	
No	187.5	2.13	[183.3, 191.6]	1,243	189.3	2.27	[184.8, 193.7]	1,242		
<b>Any HRA completion with physician attestation (DW), among respondents with a chronic condition (2016 or 2017 survey and/or DW)<sup>b</sup></b>										
Yes	197.6	2.06	[193.6, 201.7]	1,099	200.0	2.11	[195.8, 204.1]	1,102	2.4	
No	191.6	2.05	[187.6, 195.6]	1,309	193.6	2.20	[189.3, 198.0]	1,306		
<b>Any HRA completion with physician attestation (DW), among respondents with a mental health condition and/or substance use disorder (DW)<sup>c</sup></b>										
Yes	197.8	2.45	[193.0, 202.6]	774	200.5	2.52	[195.6, 205.4]	775	2.7	
No	184.3	1.93	[180.5, 188.1]	934	186.0	2.08	[181.9, 190.0]	936		
<b>Any HRA completion with physician attestation (DW), among respondents with a mental health condition (DW)<sup>d</sup></b>										
Yes	196.3	2.53	[191.4, 201.3]	710	199.6	2.61	[194.5, 204.8]	712	3.3	
No	183.3	2.05	[179.3, 187.3]	832	185.3	2.21	[181.0, 189.7]	833		
<b>Any HRA completion with physician attestation (DW), among respondents with a substance use disorder (DW)<sup>e</sup></b>										
Yes	193.1	4.21	[184.8, 201.3]	248	193.3	4.28	[184.9, 201.7]	246	0.2	
No	183.8	2.74	[178.4, 189.2]	361	184.8	3.14	[178.6, 190.9]	364		

<sup>a</sup> Two factor repeated measures ANOVA results,  $F(1, 2,351) = 0.17$ ,  $p = 0.6835$

<sup>b</sup> Two factor repeated measures ANOVA results,  $F(1, 2,434) = 0.05$ ,  $p = 0.8302$

<sup>c</sup> Two factor repeated measures ANOVA results,  $F(1, 1,724) = 0.29$ ,  $p = 0.5871$

<sup>d</sup> Two factor repeated measures ANOVA results,  $F(1, 1,557) = 0.21$ ,  $p = 0.6460$

<sup>e</sup> Two factor repeated measures ANOVA results,  $F(1, 604) = 0.04$ ,  $p = 0.8400$

#### 4.1.2 Predictors of average weight (change 2016-2017), among respondents still enrolled and respondents with a chronic condition

	Coef.	Weight <sup>d</sup> 95% CI	p-value		Coef.	Weight <sup>b</sup> 95% CI	p-value
<b>Survey year</b>							
2016		Reference				Reference	
2017	2.23	[1.180, 3.275]	0.000		2.46	[1.389, 3.530]	0.000
<b>Any HRA completion with physician attestation (DW)</b>							
No		Reference				Reference	
Yes	6.01	[0.469, 11.552]	0.034		6.88	[1.339, 12.414]	0.015
<b>Fair/poor health</b>							
No		Reference				Reference	
Yes	1.13	[-0.944, 3.194]	0.286		1.55	[-0.317, 3.409]	0.104
<b>Age (DW)</b>							
19-34		Reference				Reference	
35-50	9.07	[1.611, 16.535]	0.017		7.86	[-0.034, 15.748]	0.051
51-64	-2.28	[-8.397, 3.836]	0.465		-7.08	[-13.662,- 0.501]	0.035
<b>Gender (DW)</b>							
Male		Reference				Reference	
Female	-27.76	[-33.562,- 21.949]	0.000		-25.64	[-31.360,- 19.914]	0.000
<b>Race/ethnicity (2016)</b>							
White, non-Hispanic		Reference				Reference	
Black, non-Hispanic	5.89	[-1.397, 13.173]	0.113		5.56	[-1.431, 12.547]	0.119
Hispanic	-6.86	[-20.099, 6.373]	0.309		-9.36	[-23.399, 4.688]	0.192
Other, non-Hispanic	-16.83	[-26.082,- 7.579]	0.000		-10.98	[-20.812,- 1.155]	0.029
<b>FPL category (DW)</b>							
0-35%		Reference				Reference	
36-99%	2.66	[-3.318, 8.636]	0.383		2.39	[-3.787, 8.563]	0.448
100%+	5.26	[-1.540, 12.064]	0.129		2.84	[-3.915, 9.598]	0.410
<b>Highest level of education (2017)</b>							
High school or less		Reference				Reference	
Associate's degree/some college	2.58	[-3.487, 8.655]	0.404		5.58	[-0.462, 11.621]	0.070
Bachelor's/post graduate degree	-2.83	[-11.164, 5.500]	0.505		3.40	[-5.270, 12.064]	0.442
<b>Constant</b>	197.78	[188.841, 206.717]	0.000		200.65	[191.554, 209.755]	0.000
<b>Respondent</b>	2647.49	[2309.662, 2985.316]	0.000		2665.37	[2333.878, 2996.853]	0.000
<b>Weight residuals</b>	208.11	[140.754, 275.470]	0.000		227.05	[159.269, 294.827]	0.000
N	4,595				4,754		
F-value	10.916				11.489		
Model degrees of freedom	13.000				13.000		
Residual degrees of freedom	2,319.000				2,400.000		
F-value significance	0.000				0.000		

**Notes:** Mixed effects linear regression. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those still enrolled

<sup>b</sup> Analysis restricted to those with a chronic condition

**4.1.3 Predictors of average weight (change 2016-2017), among respondents with a mental health condition and/or substance use disorder, respondents with a mental health condition, respondents with a substance use disorder**

	Coef.	Weight <sup>d</sup> 95% CI	p-value	Coef.	Weight <sup>b</sup> 95% CI	p-value	Coef.	Weight <sup>c</sup> 95% CI	p-value
<b>Survey year</b>									
2016		Reference			Reference			Reference	
2017	2.52	[1.247, 3.788]	0.000	3.06	[1.691, 4.421]	0.000	0.45	[-1.743, 2.637]	0.689
<b>Any HRA completion with physician attestation (DW)</b>									
No		Reference			Reference			Reference	
Yes	13.56	[7.551, 19.569]	0.000	12.38	[6.112, 18.648]	0.000	9.63	[-0.013, 19.281]	0.050
<b>Fair/poor health</b>									
No		Reference			Reference			Reference	
Yes	1.28	[-0.960, 3.525]	0.262	1.90	[-0.669, 4.474]	0.147	-0.43	[-3.778, 2.918]	0.801
<b>Age (DW)</b>									
19-34		Reference			Reference			Reference	
35-50	7.10	[-0.532, 14.732]	0.068	6.69	[-1.192, 14.575]	0.096	8.32	[-3.708, 20.357]	0.175
51-64	-5.52	[-12.657, 1.615]	0.129	-3.96	[-11.426, 3.516]	0.299	-4.55	[-15.920, 6.822]	0.432
<b>Gender (DW)</b>									
Male		Reference			Reference			Reference	
Female	-20.99	[-27.086,- 14.898]	0.000	-20.55	[-27.079,- 14.015]	0.000	-25.42	[-34.497,- 16.335]	0.000
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic		Reference			Reference			Reference	
Black, non-Hispanic	8.82	[0.743, 16.892]	0.032	6.74	[-1.963, 15.448]	0.129	12.53	[0.953, 24.100]	0.034
Hispanic	-15.53	[-25.912,- 5.149]	0.003	-17.19	[-28.300,- 6.080]	0.002	-8.93	[-26.924, 9.066]	0.330
Other, non-Hispanic	-14.03	[-24.664,- 3.394]	0.010	-13.00	[-24.234,- 1.770]	0.023	-10.98	[-24.565, 2.597]	0.113
<b>FPL category (DW)</b>									
0-35%		Reference			Reference			Reference	
36-99%	4.01	[-2.783, 10.811]	0.247	5.12	[-2.086, 12.320]	0.164	3.28	[-6.725, 13.284]	0.520
100%+	3.21	[-4.295, 10.712]	0.402	3.87	[-4.052, 11.797]	0.338	6.38	[-6.782, 19.546]	0.341
<b>Highest level of education (2017)</b>									
High school or less		Reference			Reference			Reference	
Associate's degree/some college	6.08	[-0.443, 12.594]	0.068	5.98	[-0.781, 12.743]	0.083	9.44	[-0.565, 19.445]	0.064
Bachelor's/post graduate degree	0.96	[-9.661, 11.582]	0.859	0.76	[-10.332, 11.856]	0.893	2.25	[-15.547, 20.048]	0.804
<b>Constant</b>	190.68	[182.061, 199.299]	0.000	190.04	[180.718, 199.359]	0.000	185.62	[173.594, 197.654]	0.000
<b>Respondent</b>	2539.32	[2282.345, 2796.292]	0.000	2520.19	[2250.670, 2789.709]	0.000	2161.54	[1769.508, 2553.572]	0.000
<b>Weight residuals</b>	242.38	[151.124, 333.630]	0.000	259.44	[157.411, 361.469]	0.000	280.41	[73.361, 487.465]	0.008
N	3,375			3,050			1,197		
F-value	9.824			8.572			3.736		
Model degrees of freedom	13.000			13.000			13.000		
Residual degrees of freedom	1,700.000			1,537.000			592.000		
F-value significance	0.000			0.000			0.000		

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**Notes:** Mixed effects linear regression. Variables are from both survey years unless otherwise noted.

<sup>a</sup> Analysis restricted to those with a mental health condition and/or substance use disorder

<sup>b</sup> Analysis restricted to those with a mental health condition

<sup>c</sup> Analysis restricted to those with a substance use disorder

4.1.4 Average weight (2016, 2017, change 2016-2017) by any HRA completion with physician attestation, among still enrolled chronic condition subgroups

	2016		Weight		2017		N	Delta Mean	
	Mean	SE	95%CI	N	Mean	SE			95%CI
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>	194.7	2.89	[189.0, 200.4]	600	197.2	3.16	[191.0, 203.4]	605	2.5
Any HRA completion with physician attestation (DW)	194.8	3.90	[187.2, 202.5]	272	197.9	4.12	[189.8, 206.0]	276	3.1
No HRA completion with physician attestation (DW)	194.6	4.14	[186.4, 202.7]	328	196.6	4.59	[187.6, 205.6]	329	2.0
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>	197.3	2.00	[193.4, 201.2]	1,073	198.4	2.11	[194.2, 202.5]	1,075	1.1
Any HRA completion with physician attestation (DW)	200.9	2.74	[195.6, 206.3]	534	202.2	2.90	[196.6, 207.9]	537	1.3
No HRA completion with physician attestation (DW)	193.8	2.90	[188.1, 199.5]	539	194.7	3.04	[188.7, 200.6]	538	0.9
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>	184.7	4.49	[175.8, 193.5]	207	184.9	4.31	[176.5, 193.4]	209	0.2
Any HRA completion with physician attestation (DW)	190.3	7.47	[175.6, 205.1]	101	191.0	6.89	[177.4, 204.6]	103	0.7
No HRA completion with physician attestation (DW)	180.0	4.93	[170.3, 189.8]	106	180.1	4.80	[170.6, 189.6]	106	0.1
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>	193.0	2.48	[188.2, 197.9]	659	195.8	2.69	[190.5, 201.1]	664	2.8
Any HRA completion with physician attestation (DW)	201.2	3.63	[194.0, 208.3]	315	203.5	3.77	[196.1, 210.9]	317	2.3
No HRA completion with physician attestation (DW)	186.0	3.30	[179.5, 192.5]	344	189.2	3.76	[181.8, 196.6]	347	3.2
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>	207.6	3.05	[201.6, 213.6]	544	209.0	3.16	[202.8, 215.2]	542	1.4
Any HRA completion with physician attestation (DW)	210.1	4.61	[201.1, 219.2]	281	210.6	4.66	[201.5, 219.8]	279	0.5
No HRA completion with physician attestation (DW)	204.7	3.92	[197.0, 212.4]	263	207.1	4.23	[198.8, 215.5]	263	2.4
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>	202.8	2.26	[198.4, 207.2]	1,182	205.6	2.45	[200.8, 210.4]	1,179	2.8
Any HRA completion with physician attestation (DW)	205.6	2.84	[200.0, 211.2]	588	207.5	2.97	[201.6, 213.3]	586	1.9
No HRA completion with physician attestation (DW)	200.2	3.48	[193.4, 207.0]	594	203.9	3.83	[196.3, 211.4]	593	3.7
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>	196.3	4.32	[187.8, 204.8]	447	201.1	4.89	[191.5, 210.7]	444	4.8
Any HRA completion with physician attestation (DW)	198.9	4.80	[189.4, 208.3]	219	203.5	5.34	[193.0, 214.0]	218	4.6
No HRA completion with physician attestation (DW)	193.6	7.31	[179.2, 207.9]	228	198.6	8.27	[182.4, 214.9]	226	5.0

Note: Weighted means among chronic conditions subgroups, as defined by self-report and claims data.

## 4.2 Exercise (change 2016-2017)

### 4.2.1 Increased or maintained exercise frequency (from 2016-2017) by health professional discussed exercise (2016 or 2017) and any outpatient visit, among respondents still enrolled

	Increased or maintained exercise frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Health professional discussed exercise (2016 or 2017)</b>					
Yes (n=1,580)	55.5	[52.3, 58.6]	44.5	[41.4, 47.7]	100.0
No (n=808)	62.5	[57.9, 66.8]	37.5	[33.2, 42.1]	100.0
Pearson: Uncorrected chi2(1) =	14.2137				
Design-based F(1.00, 3085.00) =	6.1706	Pr =	0.013		
<b>Any outpatient visit (DW)</b>					
Yes (n=2,318)	57.8	[55.2, 60.3]	42.2	[39.7, 44.8]	100.0
No (n=70)	61.7	[46.0, 75.4]	38.3	[24.6, 54.0]	100.0
Pearson: Uncorrected chi2(1) =	0.9378				
Design-based F(1.00, 3085.00) =	0.2469	Pr =	0.619		
<b>Total (n=2,388)</b>	<b>58.0</b>	<b>[55.4, 60.5]</b>	<b>42.0</b>	<b>[39.5, 44.6]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Increased or maintained exercise frequency was defined as respondents who reported a higher exercise frequency in 2017 compared to 2016 or reported exercising 3-6 days or every day in the last 7 days in both 2016 and 2017. Health professional discussed exercise was defined as respondents who reported discussing exercise with a health professional in either 2016 or 2017. Health professional discussed exercise and increased or maintained exercise frequency  $\phi = 0.07$ .

### 4.2.2 Increased or maintained exercise frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled

	Increased or maintained exercise frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=1,115)	58.0	[54.2, 61.6]	42.0	[38.4, 45.8]	100.0
No (n=1,273)	58.0	[54.4, 61.5]	42.0	[38.5, 45.6]	100.0
Pearson: Uncorrected chi2(1) =	0.0007				
Design-based F(1.00, 3085.00) =	0.0003	Pr =	0.985		
<b>Total (n=2,388)</b>	<b>58.0</b>	<b>[55.4, 60.5]</b>	<b>42.0</b>	<b>[39.5, 44.6]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Increased or maintained exercise frequency was defined as respondents who reported a higher exercise frequency in 2017 compared to 2016 or reported exercising 3-6 days or every day in the last 7 days in both 2016 and 2017.

**4.2.3 Increased or maintained exercise frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a chronic condition**

	Increased or maintained exercise frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=925)	56.6	[52.5, 60.7]	43.4	[39.3, 47.5]	100.0
No (n=1,006)	57.0	[52.9, 61.0]	43.0	[39.0, 47.1]	100.0
Pearson: Uncorrected chi2(1) =	0.0358				
Design-based F(1.00, 3085.00) =	0.0130	Pr =	0.909		
<b>Total (n=1,931)</b>	56.8	[53.9, 59.7]	43.2	[40.3, 46.1]	100.0

**Notes:**  $\chi^2$  test of independence. Increased or maintained exercise frequency was defined as respondents who reported a higher exercise frequency in 2017 compared to 2016 or reported exercising 3-6 days or every day in the last 7 days in both 2016 and 2017.

**4.2.4 Increased or maintained exercise frequency (from 2016-2017) by any HRA completion with physician attestation, among still enrolled chronic condition subgroups**

	Increased or maintained exercise frequency (from 2016-2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=282)	59.9	[52.6, 66.7]	40.1	[33.3, 47.4]	100.0
No HRA completion with physician attestation (DW) (n=337)	52.5	[45.4, 59.5]	47.5	[40.5, 54.6]	100.0
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=551)	53.8	[48.7, 58.9]	46.2	[41.1, 51.3]	100.0
No HRA completion with physician attestation (DW) (n=547)	57.7	[52.4, 62.8]	42.3	[37.2, 47.6]	100.0
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=105)	65.6	[54.1, 75.6]	34.4	[24.4, 45.9]	100.0
No HRA completion with physician attestation (DW) (n=108)	53.8	[41.9, 65.3]	46.2	[34.7, 58.1]	100.0
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=323)	56.0	[49.0, 62.7]	44.0	[37.3, 51.0]	100.0
No HRA completion with physician attestation (DW) (n=351)	57.1	[50.0, 63.9]	42.9	[36.1, 50.0]	100.0
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=290)	55.1	[47.6, 62.3]	44.9	[37.7, 52.4]	100.0
No HRA completion with physician attestation (DW) (n=267)	56.3	[49.1, 63.3]	43.7	[36.7, 50.9]	100.0
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=600)	53.4	[48.3, 58.4]	46.6	[41.6, 51.7]	100.0
No HRA completion with physician attestation (DW) (n=608)	58.0	[52.8, 63.0]	42.0	[37.0, 47.2]	100.0
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=223)	55.1	[46.6, 63.4]	44.9	[36.6, 53.4]	100.0
No HRA completion with physician attestation (DW) (n=233)	57.5	[49.1, 65.5]	42.5	[34.5, 50.9]	100.0
<b>Total (n=1,115)</b>	<b>58.0</b>	<b>[54.2, 61.6]</b>	<b>42.0</b>	<b>[38.4, 45.8]</b>	<b>100.0</b>

**4.2.5 Increased or maintained exercise frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition and/or substance use disorder**

	Increased or maintained exercise frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=646)	53.2	[48.3, 58.1]	46.8	[41.9, 51.7]	100.0
No (n=719)	56.4	[51.6, 61.1]	43.6	[38.9, 48.4]	100.0
Pearson: Uncorrected chi2(1) =	3.1792				
Design-based F(1.00, 3085.00) =	0.8331	Pr =	0.361		
<b>Total (n=1,365)</b>	<b>54.9</b>	<b>[51.5, 58.3]</b>	<b>45.1</b>	<b>[41.7, 48.5]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Increased or maintained exercise frequency was defined as respondents who reported a higher exercise frequency in 2017 compared to 2016 or reported exercising 3-6 days or every day in the last 7 days in both 2016 and 2017.

**4.2.6 Increased or maintained exercise frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition**

	Increased or maintained exercise frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=591)	53.2	[48.0, 58.4]	46.8	[41.6, 52.0]	100.0
No (n=641)	56.6	[51.6, 61.5]	43.4	[38.5, 48.4]	100.0
Pearson: Uncorrected chi2(1) =	3.4929				
Design-based F(1.00, 3085.00) =	0.8327	Pr =	0.362		
<b>Total (n=1,232)</b>	<b>55.0</b>	<b>[51.4, 58.6]</b>	<b>45.0</b>	<b>[41.4, 48.6]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Increased or maintained exercise frequency was defined as respondents who reported a higher exercise frequency in 2017 compared to 2016 or reported exercising 3-6 days or every day in the last 7 days in both 2016 and 2017.

**4.2.7 Increased or maintained exercise frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a substance use disorder**

	Increased or maintained exercise frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=208)	48.9	[40.5, 57.4]	51.1	[42.6, 59.5]	100.0
No (n=276)	57.1	[49.5, 64.4]	42.9	[35.6, 50.5]	100.0
Pearson: Uncorrected chi2(1) =	20.4891				
Design-based F(1.00, 3085.00) =	1.9808	Pr =	0.159		
<b>Total (n=484)</b>	<b>53.5</b>	<b>[47.8, 59.1]</b>	<b>46.5</b>	<b>[40.9, 52.2]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Increased or maintained exercise frequency was defined as respondents who reported a higher exercise frequency in 2017 compared to 2016 or reported exercising 3-6 days or every day in the last 7 days in both 2016 and 2017.

### 4.3 Sugary drink consumption (change 2016-2017)

#### 4.3.1 Sugary drink consumption (change 2016-2017) by health professional discussed diet/nutrition (2016 or 2017) and any outpatient visit, among respondents still enrolled

	Sugary drink consumption (change 2016-2017)						Total Row%
	Worse		Same		Better		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Health professional discussed diet/nutrition (2016 or 2017)</b>							
Yes (n=1,270)	26.0	[23.2, 29.1]	37.9	[34.6, 41.2]	36.1	[32.9, 39.5]	100.0
No (n=636)	23.4	[19.3, 28.0]	43.6	[38.4, 48.9]	33.0	[28.1, 38.3]	100.0
Pearson: Uncorrected chi2(2) =	8.1982						
Design-based F(2.00, 5194.81) =	1.6569	Pr =	0.191				
<b>Any outpatient visit (DW)</b>							
Yes (n=1,846)	25.1	[22.7, 27.7]	40.3	[37.5, 43.2]	34.6	[31.8, 37.4]	100.0
No (n=60)	24.7	[13.6, 40.6]	33.1	[20.0, 49.5]	42.2	[27.1, 58.9]	100.0
Pearson: Uncorrected chi2(2) =	4.1608						
Design-based F(1.99, 5187.19) =	0.5305	Pr =	0.588				
<b>Total (n=1,906)</b>	<b>25.1</b>	<b>[22.7, 27.7]</b>	<b>39.9</b>	<b>[37.1, 42.8]</b>	<b>35.0</b>	<b>[32.3, 37.9]</b>	<b>100.0</b>

**Notes:** Change in sugary drink consumption was defined as 'worse' if respondents reported a higher frequency of sugary drink consumption in 2017 compared to 2016, 'same' if respondents reported the same frequency of sugary drink consumption in 2017 as in 2016, or 'better' if respondents reported a lower frequency of sugary drink consumption in 2017 compared to 2016; respondents who reported 0 days of sugary drink consumption in the last 7 days in both 2016 and 2017 were excluded. Health professional discussed diet/nutrition was defined as respondents who reported discussing diet/nutrition with a health professional in either 2016 or 2017.

#### 4.3.2 Decreased or maintained sugary drink consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled

	Decreased or maintained sugary drink consumption (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=1,115)	46.6	[42.8, 50.3]	53.4	[49.7, 57.2]	100.0
No (n=1,273)	46.6	[43.0, 50.2]	53.4	[49.8, 57.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0007				
Design-based F(1.00, 3085.00) =	0.0003	Pr =	0.986		
<b>Total (n=2,388)</b>	<b>46.6</b>	<b>[44.0, 49.2]</b>	<b>53.4</b>	<b>[50.8, 56.0]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Decreased or maintained sugary drink consumption was defined as respondents who reported a lower frequency of sugary drink consumption in 2017 compared to 2016 or reported 0 days of sugary drink consumption in the last 7 days in both 2016 and 2017.

#### 4.3.3 Decreased or maintained sugary drink consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a chronic condition

	Decreased or maintained sugary drink consumption (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=925)	47.3	[43.2, 51.5]	52.7	[48.5, 56.8]	100.0
No (n=1,006)	47.8	[43.8, 51.9]	52.2	[48.1, 56.2]	100.0
Pearson: Uncorrected chi2(1) =	0.0815				
Design-based F(1.00, 3085.00) =	0.0298	Pr =	0.863		
<b>Total (n=1,931)</b>	<b>47.6</b>	<b>[44.7, 50.5]</b>	<b>52.4</b>	<b>[49.5, 55.3]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Decreased or maintained sugary drink consumption was defined as respondents who reported a lower frequency of sugary drink consumption in 2017 compared to 2016 or reported 0 days of sugary drink consumption in the last 7 days in both 2016 and 2017.

#### 4.3.4 Decreased or maintained sugary drink consumption (from 2016-2017) by any HRA completion with physician attestation, among still enrolled chronic condition subgroups

	Decreased or maintained sugary drink consumption (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=282)	48.1	[41.0, 55.4]	51.9	[44.6, 59.0]	100.0
No HRA completion with physician attestation (DW) (n=337)	43.2	[36.5, 50.3]	56.8	[49.7, 63.5]	100.0
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=551)	49.7	[44.6, 54.8]	50.3	[45.2, 55.4]	100.0
No HRA completion with physician attestation (DW) (n=547)	47.3	[42.1, 52.5]	52.7	[47.5, 57.9]	100.0
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=105)	56.1	[44.6, 66.9]	43.9	[33.1, 55.4]	100.0
No HRA completion with physician attestation (DW) (n=108)	50.9	[39.1, 62.7]	49.1	[37.3, 60.9]	100.0
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=323)	46.9	[40.1, 53.9]	53.1	[46.1, 59.9]	100.0
No HRA completion with physician attestation (DW) (n=351)	49.1	[42.1, 56.2]	50.9	[43.8, 57.9]	100.0
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=290)	52.3	[44.9, 59.6]	47.7	[40.4, 55.1]	100.0
No HRA completion with physician attestation (DW) (n=267)	54.3	[47.1, 61.4]	45.7	[38.6, 52.9]	100.0
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=600)	49.5	[44.4, 54.5]	50.5	[45.5, 55.6]	100.0
No HRA completion with physician attestation (DW) (n=608)	50.7	[45.5, 55.9]	49.3	[44.1, 54.5]	100.0
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=223)	50.4	[42.0, 58.9]	49.6	[41.1, 58.0]	100.0
No HRA completion with physician attestation (DW) (n=233)	54.6	[46.2, 62.8]	45.4	[37.2, 53.8]	100.0
<b>Total (n=1,115)</b>	<b>46.6</b>	<b>[42.8, 50.3]</b>	<b>53.4</b>	<b>[49.7, 57.2]</b>	<b>100.0</b>

**4.3.5 Decreased or maintained sugary drink consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition and/or substance use disorder**

	Decreased or maintained sugary drink consumption (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=646)	46.3	[41.4, 51.2]	53.7	[48.8, 58.6]	100.0
No (n=719)	44.3	[39.6, 49.0]	55.7	[51.0, 60.4]	100.0
Pearson: Uncorrected chi2(1) =	1.2486				
Design-based F(1.00, 3085.00) =	0.3329	Pr =	0.564		
<b>Total (n=1,365)</b>	<b>45.2</b>	<b>[41.8, 48.6]</b>	<b>54.8</b>	<b>[51.4, 58.2]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Decreased or maintained sugary drink consumption was defined as respondents who reported a lower frequency of sugary drink consumption in 2017 compared to 2016 or reported 0 days of sugary drink consumption in the last 7 days in both 2016 and 2017.

**4.3.6 Decreased or maintained sugary drink consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition**

	Decreased or maintained sugary drink consumption (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=591)	46.6	[41.5, 51.8]	53.4	[48.2, 58.5]	100.0
No (n=641)	44.3	[39.5, 49.3]	55.7	[50.7, 60.5]	100.0
Pearson: Uncorrected chi2(1) =	1.6101				
Design-based F(1.00, 3085.00) =	0.3889	Pr =	0.533		
<b>Total (n=1,232)</b>	<b>45.4</b>	<b>[41.9, 49.0]</b>	<b>54.6</b>	<b>[51.0, 58.1]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Decreased or maintained sugary drink consumption was defined as respondents who reported a lower frequency of sugary drink consumption in 2017 compared to 2016 or reported 0 days of sugary drink consumption in the last 7 days in both 2016 and 2017.

**4.3.7 Decreased or maintained sugary drink consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a substance use disorder**

	Decreased or maintained sugary drink consumption (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=208)	43.1	[35.1, 51.6]	56.9	[48.4, 64.9]	100.0
No (n=276)	43.3	[36.0, 50.8]	56.7	[49.2, 64.0]	100.0
Pearson: Uncorrected chi2(1) =	0.0042				
Design-based F(1.00, 3085.00) =	0.0004	Pr =	0.984		
<b>Total (n=484)</b>	<b>43.2</b>	<b>[37.8, 48.8]</b>	<b>56.8</b>	<b>[51.2, 62.2]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Decreased or maintained sugary drink consumption was defined as respondents who reported a lower frequency of sugary drink consumption in 2017 compared to 2016 or reported 0 days of sugary drink consumption in the last 7 days in both 2016 and 2017.

#### 4.4 Fruit and vegetable consumption (change 2016-2017)

##### 4.4.1 Increased or maintained fruit and vegetable consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled

	Increased or maintained fruit and vegetable consumption (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=1,115)	48.2	[44.5, 51.9]	51.8	[48.1, 55.5]	100.0
No (n=1,273)	42.3	[38.8, 45.8]	57.7	[54.2, 61.2]	100.0
Pearson: Uncorrected chi2(1) =	10.7612				
Design-based F(1.00, 3085.00) =	5.1122	Pr =	0.024		
<b>Total (n=2,388)</b>	<b>44.9</b>	<b>[42.3, 47.4]</b>	<b>55.1</b>	<b>[52.6, 57.7]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence.  $\phi = 0.06$ . Increased or maintained fruit and vegetable consumption was defined as respondents who reported a higher frequency of fruit and vegetable consumption (3+ servings in a day) in 2017 compared to 2016 or reported consuming 3+ servings of fruit and vegetables per day every day in the last 7 days in both 2016 and 2017.

##### 4.4.2 Increased or maintained fruit and vegetable consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a chronic condition

	Increased or maintained fruit and vegetable consumption (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=925)	48.3	[44.1, 52.4]	51.7	[47.6, 55.9]	100.0
No (n=1,006)	42.3	[38.4, 46.3]	57.7	[53.7, 61.6]	100.0
Pearson: Uncorrected chi2(1) =	10.9718				
Design-based F(1.00, 3085.00) =	4.1083	Pr =	0.043		
<b>Total (n=1,931)</b>	<b>45.0</b>	<b>[42.2, 47.9]</b>	<b>55.0</b>	<b>[52.1, 57.8]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence.  $\phi = 0.06$ . Increased or maintained fruit and vegetable consumption was defined as respondents who reported a higher frequency of fruit and vegetable consumption (3+ servings in a day) in 2017 compared to 2016 or reported consuming 3+ servings of fruit and vegetables per day every day in the last 7 days in both 2016 and 2017.

**4.4.3 Increased or maintained fruit and vegetable consumption (from 2016-2017) by any HRA completion with physician attestation, among still enrolled chronic condition subgroups**

	Increased or maintained fruit and vegetable consumption (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=282)	48.5	[41.4, 55.7]	51.5	[44.3, 58.6]	100.0
No HRA completion with physician attestation (DW) (n=337)	41.2	[34.7, 48.2]	58.8	[51.8, 65.3]	100.0
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=551)	52.1	[47.0, 57.1]	47.9	[42.9, 53.0]	100.0
No HRA completion with physician attestation (DW) (n=547)	47.0	[41.9, 52.2]	53.0	[47.8, 58.1]	100.0
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=105)	52.3	[40.7, 63.5]	47.7	[36.5, 59.3]	100.0
No HRA completion with physician attestation (DW) (n=108)	38.3	[26.9, 51.2]	61.7	[48.8, 73.1]	100.0
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=323)	47.8	[40.9, 54.7]	52.2	[45.3, 59.1]	100.0
No HRA completion with physician attestation (DW) (n=351)	41.7	[35.1, 48.6]	58.3	[51.4, 64.9]	100.0
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=290)	48.4	[41.1, 55.8]	51.6	[44.2, 58.9]	100.0
No HRA completion with physician attestation (DW) (n=267)	43.6	[36.6, 50.9]	56.4	[49.1, 63.4]	100.0
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=600)	49.0	[43.9, 54.0]	51.0	[46.0, 56.1]	100.0
No HRA completion with physician attestation (DW) (n=608)	43.3	[38.3, 48.4]	56.7	[51.6, 61.7]	100.0
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=223)	51.9	[43.4, 60.3]	48.1	[39.7, 56.6]	100.0
No HRA completion with physician attestation (DW) (n=233)	45.1	[37.0, 53.4]	54.9	[46.6, 63.0]	100.0
<b>Total (n=1,115)</b>	<b>48.2</b>	<b>[44.5, 51.9]</b>	<b>51.8</b>	<b>[48.1, 55.5]</b>	<b>100.0</b>

**4.4.4 Increased or maintained fruit and vegetable consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition and/or substance use disorder**

	Increased or maintained fruit and vegetable consumption (from 2016-2017)				
	Yes		No		Total
	Row%	95%CI	Row%	95%CI	Row%
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=646)	48.0	[43.1, 52.9]	52.0	[47.1, 56.9]	100.0
No (n=719)	43.4	[38.8, 48.0]	56.6	[52.0, 61.2]	100.0
Pearson: Uncorrected chi2(1) =	6.6270				
Design-based F(1.00, 3085.00) =	1.7850	Pr =	0.182		
<b>Total (n=1,365)</b>	<b>45.5</b>	<b>[42.1, 48.9]</b>	<b>54.5</b>	<b>[51.1, 57.9]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Increased or maintained fruit and vegetable consumption was defined as respondents who reported a higher frequency of fruit and vegetable consumption (3+ servings in a day) in 2017 compared to 2016 or reported consuming 3+ servings of fruit and vegetables per day every day in the last 7 days in both 2016 and 2017.

**4.4.5 Increased or maintained fruit and vegetable consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition**

	Increased or maintained fruit and vegetable consumption (from 2016-2017)				
	Yes		No		Total
	Row%	95%CI	Row%	95%CI	Row%
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=591)	47.2	[42.1, 52.4]	52.8	[47.6, 57.9]	100.0
No (n=641)	43.3	[38.5, 48.2]	56.7	[51.8, 61.5]	100.0
Pearson: Uncorrected chi2(1) =	4.7180				
Design-based F(1.00, 3085.00) =	1.1522	Pr =	0.283		
<b>Total (n=1,232)</b>	<b>45.1</b>	<b>[41.6, 48.7]</b>	<b>54.9</b>	<b>[51.3, 58.4]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Increased or maintained fruit and vegetable consumption was defined as respondents who reported a higher frequency of fruit and vegetable consumption (3+ servings in a day) in 2017 compared to 2016 or reported consuming 3+ servings of fruit and vegetables per day every day in the last 7 days in both 2016 and 2017.

**4.4.6 Increased or maintained fruit and vegetable consumption (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a substance use disorder**

	Increased or maintained fruit and vegetable consumption (from 2016-2017)				
	Yes		No		Total
	Row%	95%CI	Row%	95%CI	Row%
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=208)	54.9	[46.4, 63.0]	45.1	[37.0, 53.6]	100.0
No (n=276)	41.8	[34.8, 49.2]	58.2	[50.8, 65.2]	100.0
Pearson: Uncorrected chi2(1) =	52.1741				
Design-based F(1.00, 3085.00) =	5.2380	Pr =	0.022		
<b>Total (n=484)</b>	<b>47.6</b>	<b>[42.0, 53.3]</b>	<b>52.4</b>	<b>[46.7, 58.0]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.  $\phi = 0.13$ . Increased or maintained fruit and vegetable consumption was defined as respondents who reported a higher frequency of fruit and vegetable consumption (3+ servings in a day) in 2017 compared to 2016 or reported consuming 3+ servings of fruit and vegetables per day every day in the last 7 days in both 2016 and 2017.

## 4.5 Binge drinking (change 2016-2017)

### 4.5.1 Decrease in binge drinking frequency (from 2016-2017) by health professional discussed safe alcohol use (2016 or 2017) and any outpatient visit, among respondents still enrolled who reported one or more days of binge drinking in the past seven days in 2016

	Decrease in binge drinking frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Health professional discussed safe alcohol use (2016 or 2017)</b>					
Yes (n=174)	44.6	[35.8, 53.7]	55.4	[46.3, 64.2]	100.0
No (n=255)	57.5	[49.1, 65.4]	42.5	[34.6, 50.9]	100.0
Pearson: Uncorrected chi2(1) =	48.4394				
Design-based F(1.00, 3085.00) =	4.2128	Pr =	0.040		
<b>Any outpatient visit (DW)</b>					
Yes (n=410)	55.3	[49.3, 61.3]	44.7	[38.7, 50.7]	100.0
No (n=19)	23.4	[7.3, 54.2]	76.6	[45.8, 92.7]	100.0
Pearson: Uncorrected chi2(1) =	97.9796				
Design-based F(1.00, 3085.00) =	4.5166	Pr =	0.034		
<b>Total (n=429)</b>	<b>52.6</b>	<b>[46.5, 58.7]</b>	<b>47.4</b>	<b>[41.3, 53.5]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Decrease in binge drinking frequency was defined as respondents who reported a lower frequency of binge drinking in 2017 compared to 2016. Health professional discussed safe alcohol use was defined as respondents who reported discussing safe alcohol use with a health professional in either 2016 or 2017.

### 4.5.2 Decrease in binge drinking frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled who reported one or more days of binge drinking in the past seven days in 2016

	Decrease in binge drinking frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=204)	54.1	[45.3, 62.6]	45.9	[37.4, 54.7]	100.0
No (n=225)	51.6	[43.1, 59.9]	48.4	[40.1, 56.9]	100.0
Pearson: Uncorrected chi2(1) =	1.9543				
Design-based F(1.00, 3085.00) =	0.1657	Pr =	0.684		
<b>Total (n=429)</b>	<b>52.6</b>	<b>[46.5, 58.7]</b>	<b>47.4</b>	<b>[41.3, 53.5]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Decrease in binge drinking frequency was defined as respondents who reported a lower frequency of binge drinking in 2017 compared to 2016.

### 4.5.3 Decrease in binge drinking frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a chronic condition who reported one or more days of binge drinking in the past seven days in 2016

	Decrease in binge drinking frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=169)	54.9	[45.0, 64.4]	45.1	[35.6, 55.0]	100.0
No (n=168)	56.2	[46.0, 65.8]	43.8	[34.2, 54.0]	100.0
Pearson: Uncorrected chi2(1) =	0.5118				
Design-based F(1.00, 3085.00) =	0.0322	Pr =	0.858		
<b>Total (n=337)</b>	<b>55.6</b>	<b>[48.4, 62.5]</b>	<b>44.4</b>	<b>[37.5, 51.6]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Decrease in binge drinking frequency was defined as respondents who reported a lower frequency of binge drinking in 2017 compared to 2016.

**4.5.4 Decrease in binge drinking frequency (from 2016-2017) by any HRA completion with physician attestation, among still enrolled chronic condition subgroups who reported one or more days of binge drinking in the past seven days in 2016**

	Decrease in binge drinking frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=282)	12.1	[7.9, 18.0]	87.9	[82.0, 92.1]	100.0
No HRA completion with physician attestation (DW) (n=337)	5.6	[3.6, 8.8]	94.4	[91.2, 96.4]	100.0
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=551)	9.2	[6.5, 12.8]	90.8	[87.2, 93.5]	100.0
No HRA completion with physician attestation (DW) (n=547)	11.0	[7.8, 15.3]	89.0	[84.7, 92.2]	100.0
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=105)	11.3	[5.6, 21.6]	88.7	[78.4, 94.4]	100.0
No HRA completion with physician attestation (DW) (n=108)	9.9	[4.9, 19.2]	90.1	[80.8, 95.1]	100.0
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=323)	12.9	[8.8, 18.5]	87.1	[81.5, 91.2]	100.0
No HRA completion with physician attestation (DW) (n=351)	11.5	[7.8, 16.7]	88.5	[83.3, 92.2]	100.0
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=290)	10.2	[6.7, 15.4]	89.8	[84.6, 93.3]	100.0
No HRA completion with physician attestation (DW) (n=267)	8.6	[4.9, 14.4]	91.4	[85.6, 95.1]	100.0
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=600)	11.4	[8.5, 15.1]	88.6	[84.9, 91.5]	100.0
No HRA completion with physician attestation (DW) (n=608)	12.9	[9.6, 17.2]	87.1	[82.8, 90.4]	100.0
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=223)	6.7	[3.9, 11.4]	93.3	[88.6, 96.1]	100.0
No HRA completion with physician attestation (DW) (n=233)	7.6	[4.5, 12.7]	92.4	[87.3, 95.5]	100.0
<b>Total (n=1,115)</b>	<b>10.3</b>	<b>[8.3, 12.8]</b>	<b>89.7</b>	<b>[87.2, 91.7]</b>	<b>100.0</b>

**4.5.5 Decrease in binge drinking frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition and/or substance use disorder who reported one or more days of binge drinking in the past seven days in 2016**

	Decrease in binge drinking frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=124)	58.8	[48.4, 68.4]	41.2	[31.6, 51.6]	100.0
No (n=137)	57.9	[46.7, 68.4]	42.1	[31.6, 53.3]	100.0
Pearson: Uncorrected chi2(1) =	0.2194				
Design-based F(1.00, 3085.00) =	0.0121	Pr =	0.912		
<b>Total (n=261)</b>	<b>58.3</b>	<b>[50.5, 65.7]</b>	<b>41.7</b>	<b>[34.3, 49.5]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Decrease in binge drinking frequency was defined as respondents who reported a lower frequency of binge drinking in 2017 compared to 2016.

**4.5.6 Decrease in binge drinking frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition who reported one or more days of binge drinking in the past seven days in 2016**

	Decrease in binge drinking frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=96)	57.0	[45.3, 67.9]	43.0	[32.1, 54.7]	100.0
No (n=109)	64.6	[53.0, 74.8]	35.4	[25.2, 47.0]	100.0
Pearson: Uncorrected chi2(1) =	18.5949				
Design-based F(1.00, 3085.00) =	0.8826	Pr =	0.348		
<b>Total (n=205)</b>	<b>61.5</b>	<b>[53.2, 69.2]</b>	<b>38.5</b>	<b>[30.8, 46.8]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Decrease in binge drinking frequency was defined as respondents who reported a lower frequency of binge drinking in 2017 compared to 2016.

**4.5.7 Decrease in binge drinking frequency (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a substance use disorder who reported one or more days of binge drinking in the past seven days in 2016**

	Decrease in binge drinking frequency (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=66)	54.1	[39.9, 67.6]	45.9	[32.4, 60.1]	100.0
No (n=68)	50.6	[35.3, 65.8]	49.4	[34.2, 64.7]	100.0
Pearson: Uncorrected chi2(1) =	3.8345				
Design-based F(1.00, 3085.00) =	0.1063	Pr =	0.744		
<b>Total (n=134)</b>	<b>52.2</b>	<b>[41.5, 62.7]</b>	<b>47.8</b>	<b>[37.3, 58.5]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Decrease in binge drinking frequency was defined as respondents who reported a lower frequency of binge drinking in 2017 compared to 2016.

## 4.6 Tobacco use (change 2016-2017)

### 4.6.1 Quit smoking or using tobacco (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled who reported using tobacco in 2016

	Quit smoking or using tobacco (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=403)	11.2	[8.0, 15.3]	88.8	[84.7, 92.0]	100.0
No (n=489)	16.8	[12.3, 22.5]	83.2	[77.5, 87.7]	100.0
Pearson: Uncorrected chi2(1) =	19.1433				
Design-based F(1.00, 3085.00) =	3.2525	Pr =	0.071		
<b>Total (n=892)</b>	<b>14.4</b>	<b>[11.4, 18.1]</b>	<b>85.6</b>	<b>[81.9, 88.6]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Quit smoking or using tobacco (from 2016-2017) was defined as respondents who reported using tobacco within the past 30 days in 2016 and no longer reported using tobacco with the past 30 days in 2017.

### 4.6.2 Quit smoking or using tobacco (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a chronic health condition who reported using tobacco in 2016

	Quit smoking or using tobacco (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=361)	10.7	[7.5, 15.1]	89.3	[84.9, 92.5]	100.0
No (n=414)	15.2	[10.7, 21.2]	84.8	[78.8, 89.3]	100.0
Pearson: Uncorrected chi2(1) =	13.5417				
Design-based F(1.00, 3085.00) =	1.9986	Pr =	0.158		
<b>Total (n=775)</b>	<b>13.2</b>	<b>[10.2, 16.9]</b>	<b>86.8</b>	<b>[83.1, 89.8]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Quit smoking or using tobacco (from 2016-2017) was defined as respondents who reported using tobacco within the past 30 days in 2016 and no longer reported using tobacco with the past 30 days in 2017.

### 4.6.3 Quit smoking or using tobacco (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition and/or substance use disorder who reported using tobacco in 2016

	Quit smoking or using tobacco (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=274)	11.9	[8.0, 17.3]	88.1	[82.7, 92.0]	100.0
No (n=325)	11.0	[7.1, 16.8]	89.0	[83.2, 92.9]	100.0
Pearson: Uncorrected chi2(1) =	0.5223				
Design-based F(1.00, 3085.00) =	0.0597	Pr =	0.807		
<b>Total (n=599)</b>	<b>11.4</b>	<b>[8.4, 15.2]</b>	<b>88.6</b>	<b>[84.8, 91.6]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Quit smoking or using tobacco (from 2016-2017) was defined as respondents who reported using tobacco within the past 30 days in 2016 and no longer reported using tobacco with the past 30 days in 2017.

**4.6.4 Quit smoking or using tobacco (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition who reported using tobacco in 2016**

	Quit smoking or using tobacco (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=239)	12.3	[8.0, 18.5]	87.7	[81.5, 92.0]	100.0
No (n=283)	11.2	[7.0, 17.3]	88.8	[82.7, 93.0]	100.0
Pearson: Uncorrected chi2(1) =	0.9538				
Design-based F(1.00, 3085.00) =	0.0948	Pr =	0.758		
<b>Total (n=522)</b>	<b>11.7</b>	<b>[8.5, 15.8]</b>	<b>88.3</b>	<b>[84.2, 91.5]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Quit smoking or using tobacco (from 2016-2017) was defined as respondents who reported using tobacco within the past 30 days in 2016 and no longer reported using tobacco with the past 30 days in 2017.

**4.6.5 Quit smoking or using tobacco (from 2016-2017) by any HRA completion with physician attestation, among respondents still enrolled with a substance use disorder who reported using tobacco in 2016**

	Quit smoking or using tobacco (from 2016-2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
<b>Any HRA completion with physician attestation (DW)</b>					
Yes (n=138)	4.5	[2.3, 8.9]	95.5	[91.1, 97.7]	100.0
No (n=159)	8.0	[4.0, 15.4]	92.0	[84.6, 96.0]	100.0
Pearson: Uncorrected chi2(1) =	15.3118				
Design-based F(1.00, 3085.00) =	1.3314	Pr =	0.249		
<b>Total (n=297)</b>	<b>6.4</b>	<b>[3.8, 10.5]</b>	<b>93.6</b>	<b>[89.5, 96.2]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Quit smoking or using tobacco (from 2016-2017) was defined as respondents who reported using tobacco within the past 30 days in 2016 and no longer reported using tobacco with the past 30 days in 2017.

4.6.6 Attempting to quit smoking or using tobacco (2016, 2017, change 2016-2017), among respondents still enrolled and various subgroups of respondents still enrolled who reported using tobacco in 2016

	Attempting to quit smoking or using tobacco								
	Proportion	2016			2017			N	Delta Proportion
		SE	95%CI	N	Proportion	SE	95%CI		
<b>Any HRA completion with physician attestation (DW), among respondents still enrolled<sup>a</sup></b>									
Yes	0.918	0.02	[0.878, 0.958]	310	0.930	0.02	[0.888, 0.971]	260	0.012
No	0.891	0.02	[0.856, 0.925]	374	0.902	0.02	[0.855, 0.950]	310	
<b>Any HRA completion with physician attestation (DW), among respondents still enrolled with a chronic condition (2016 or 2017 survey and/or DW)<sup>b</sup></b>									
Yes	0.913	0.02	[0.870, 0.956]	284	0.929	0.02	[0.885, 0.973]	238	0.016
No	0.904	0.02	[0.868, 0.940]	327	0.910	0.03	[0.859, 0.961]	278	
<b>Any HRA completion with physician attestation (DW), among respondents still enrolled with a mental health condition and/or substance use disorder (DW)<sup>c</sup></b>									
Yes	0.894	0.03	[0.839, 0.949]	207	0.932	0.03	[0.880, 0.984]	171	0.038
No	0.877	0.02	[0.831, 0.923]	253	0.908	0.03	[0.855, 0.960]	219	
<b>Any HRA completion with physician attestation (DW), among respondents still enrolled with a mental health condition (DW)<sup>d</sup></b>									
Yes	0.911	0.02	[0.864, 0.957]	179	0.953	0.02	[0.920, 0.987]	148	0.042
No	0.868	0.03	[0.817, 0.920]	219	0.909	0.03	[0.851, 0.967]	191	
<b>Any HRA completion with physician attestation (DW), among respondents still enrolled with a substance use disorder (DW)<sup>e</sup></b>									
Yes	0.877	0.04	[0.793, 0.961]	108	0.935	0.04	[0.858, 1.012]	93	0.058
No	0.844	0.04	[0.768, 0.920]	125	0.898	0.04	[0.828, 0.968]	111	

<sup>a</sup> Two factor repeated measures ANOVA results,  $F(1, 735) = 0.02$ ,  $p = 0.8775$

<sup>b</sup> Two factor repeated measures ANOVA results,  $F(1, 653) = 0.02$ ,  $p = 0.8790$

<sup>c</sup> Two factor repeated measures ANOVA results,  $F(1, 490) = 0.16$ ,  $p = 0.6876$

<sup>d</sup> Two factor repeated measures ANOVA results,  $F(1, 425) = 0.02$ ,  $p = 0.8948$

<sup>e</sup> Two factor repeated measures ANOVA results,  $F(1, 242) = 0.01$ ,  $p = 0.9367$

**4.6.7 Attempting to quit smoking or using tobacco (2016, 2017, change 2016-2017), among still enrolled chronic condition subgroups who reported using tobacco in 2016**

	Tried to quit smoking or using tobacco								
	Percent	2016 SE	95%CI	N	Percent	2017 SE	95%CI	N	Delta Percent
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>									
Any HRA completion with physician attestation (DW)	84.5	0.05	[74.2, 94.8]	96	93.0	0.04	[84.3, 101.7]	92	8.5
No HRA completion with physician attestation (DW)	89.0	0.04	[80.5, 97.5]	96	88.1	0.05	[78.6, 97.7]	100	-0.9
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>									
Any HRA completion with physician attestation (DW)	93.9	0.02	[89.9, 97.9]	186	93.9	0.02	[89.9, 98.0]	165	0
No HRA completion with physician attestation (DW)	88.9	0.03	[83.5, 94.3]	205	91.4	0.03	[86.2, 96.6]	189	2.5
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>									
Any HRA completion with physician attestation (DW)	86.7	.	[86.7, 86.7]	34	91.4	0.05	[80.8, 101.9]	29	4.7
No HRA completion with physician attestation (DW)	97.3	.	[97.3, 97.3]	33	93.2	0.04	[85.2, 101.2]	27	-4.1
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>									
Any HRA completion with physician attestation (DW)	89.2	0.04	[82.1, 96.3]	142	92.4	0.04	[85.2, 99.7]	132	3.2
No HRA completion with physician attestation (DW)	94.7	0.02	[91.3, 98.2]	144	95.2	0.03	[89.0, 101.5]	139	0.5
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>									
Any HRA completion with physician attestation (DW)	87.5	0.04	[78.8, 96.2]	81	94.8	0.03	[89.3, 100.3]	68	7.3
No HRA completion with physician attestation (DW)	92.3	0.03	[86.6, 98.0]	85	94.7	0.03	[89.6, 99.8]	73	2.4
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>									
Any HRA completion with physician attestation (DW)	88.5	0.03	[82.4, 94.6]	188	91.3	0.03	[85.4, 97.2]	164	2.8
No HRA completion with physician attestation (DW)	90.8	0.02	[86.1, 95.4]	196	90.4	0.03	[84.6, 96.3]	187	-0.4
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>									
Any HRA completion with physician attestation (DW)	94.7	0.03	[89.0, 100.4]	80	97.0	0.02	[93.2, 100.7]	77	2.3
No HRA completion with physician attestation (DW)	90.4	0.04	[83.2, 97.7]	89	94.2	0.03	[88.8, 99.6]	76	3.8

## 4.7 Drug use in last 30 days (2017)

### 4.7.1 Drug use in last 30 days (2017) by any HRA completion with physician attestation, among respondents still enrolled

Any HRA completion with physician attestation (DW)	Drug use in last 30 days (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Yes (n=1,113)	3.9	[2.9, 5.4]	96.1	[94.6, 97.1]	100.0
No (n=1,273)	6.5	[4.8, 8.7]	93.5	[91.3, 95.2]	100.0
Pearson: Uncorrected chi2(1) =	9.9424				
Design-based F(1.00, 3083.00) =	5.3994	Pr =	0.020		

Notes:  $\chi^2$  test of independence.  $\phi = 0.06$ .

### 4.7.2 Drug use in last 30 days (2017) by any HRA completion with physician attestation, among respondents still enrolled with a chronic condition

Any HRA completion with physician attestation (DW)	Drug use in last 30 days (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Yes (n=924)	4.4	[3.1, 6.0]	95.6	[94.0, 96.9]	100.0
No (n=1,006)	7.3	[5.2, 10.1]	92.7	[89.9, 94.8]	100.0
Pearson: Uncorrected chi2(1) =	11.8857				
Design-based F(1.00, 3084.00) =	4.8415	Pr =	0.028		

Notes:  $\chi^2$  test of independence.  $\phi = 0.06$ .

**4.7.3 Drug use in last 30 days (2017) by any HRA completion with physician attestation, among still enrolled chronic condition subgroups**

	Drug use in last 30 days (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=281)	3.1	[1.7, 5.6]	96.9	[94.4, 98.3]	100.0
No HRA completion with physician attestation (DW) (n=337)	7.9	[4.6, 13.2]	92.1	[86.8, 95.4]	100.0
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=550)	5.0	[3.2, 7.7]	95.0	[92.3, 96.8]	100.0
No HRA completion with physician attestation (DW) (n=547)	7.6	[5.0, 11.3]	92.4	[88.7, 95.0]	100.0
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=105)	5.0	[2.3, 10.8]	95.0	[89.2, 97.7]	100.0
No HRA completion with physician attestation (DW) (n=108)	8.1	[1.7, 30.6]	91.9	[69.4, 98.3]	100.0
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=323)	4.6	[2.7, 7.7]	95.4	[92.3, 97.3]	100.0
No HRA completion with physician attestation (DW) (n=351)	7.3	[4.1, 12.6]	92.7	[87.4, 95.9]	100.0
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=290)	4.7	[2.5, 8.8]	95.3	[91.2, 97.5]	100.0
No HRA completion with physician attestation (DW) (n=267)	7.8	[4.2, 14.0]	92.2	[86.0, 95.8]	100.0
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=600)	5.5	[3.8, 7.9]	94.5	[92.1, 96.2]	100.0
No HRA completion with physician attestation (DW) (n=608)	6.7	[4.6, 9.7]	93.3	[90.3, 95.4]	100.0
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>					
Any HRA completion with physician attestation (DW) (n=223)	4.6	[2.2, 9.4]	95.4	[90.6, 97.8]	100.0
No HRA completion with physician attestation (DW) (n=233)	6.2	[3.5, 10.7]	93.8	[89.3, 96.5]	100.0
<b>Total (n=1,113)</b>	<b>3.9</b>	<b>[2.9, 5.4]</b>	<b>96.1</b>	<b>[94.6, 97.1]</b>	<b>100.0</b>

**4.7.4 Drug use in last 30 days (2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition and/or substance use disorder**

Any HRA completion with physician attestation (DW)	Drug use in last 30 days (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Yes (n=644)	5.2	[3.6, 7.5]	94.8	[92.5, 96.4]	100.0
No (n=719)	8.5	[6.1, 11.6]	91.5	[88.4, 93.9]	100.0
Pearson: Uncorrected chi2(1) =	12.4327				
Design-based F(1.00, 3083.00) =	3.9305	Pr =	0.048		

Notes:  $\chi^2$  test of independence.  $\phi = 0.06$ .

**4.7.5 Drug use in last 30 days (2017) by any HRA completion with physician attestation, among respondents still enrolled with a mental health condition**

Any HRA completion with physician attestation (DW)	Drug use in last 30 days (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Yes (n=589)	4.9	[3.3, 7.2]	95.1	[92.8, 96.7]	100.0
No (n=641)	8.1	[5.9, 11.0]	91.9	[89.0, 94.1]	100.0
Pearson: Uncorrected chi2(1) =	12.7975				
Design-based F(1.00, 3083.00) =	3.9156	Pr =	0.048		

Notes:  $\chi^2$  test of independence.  $\phi = 0.06$ .

**4.7.6 Drug use in last 30 days (2017) by any HRA completion with physician attestation, among respondents still enrolled with a substance use disorder**

Any HRA completion with physician attestation (DW)	Drug use in last 30 days (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Yes (n=207)	7.8	[4.8, 12.3]	92.2	[87.7, 95.2]	100.0
No (n=276)	11.1	[7.1, 17.0]	88.9	[83.0, 92.9]	100.0
Pearson: Uncorrected chi2(1) =	9.5831				
Design-based F(1.00, 3084.00) =	1.1737	Pr =	0.279		

Notes:  $\chi^2$  test of independence.

## 4.8 Drug use in last 30 days (change 2016-2017)

### 4.8.1 Drug use in last 30 days (2016, 2017, change 2016-2017), among respondents still enrolled

		2016			2017		Delta
	%	95%CI	N	%	95%CI	N	%
<b>Any drug use in last 30 days</b>							
Yes	6.1	[4.9, 7.6]	128	5.4	[4.3, 6.7]	125	-0.7
No	93.9	[92.4, 95.1]	2,259	94.6	[93.3, 95.7]	2,261	

**Notes:** Mixed effects logistic regression results,  $F(1, 2,376) = 0.89$ ,  $p = 0.3445$ ; Any drug use in last 30 days ('yes' response) in 2017 OR = 0.83,  $p = 0.345$ , 95% CI (0.6, 1.2)

## 4.9 Any HRA completion with physician attestation

### 4.9.1 Any HRA completion with physician attestation by follow-up group, among all respondents

	Any HRA completion with physician attestation (DW)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	43.9	[41.3, 46.4]	56.1	[53.6, 58.7]	100.0
No longer enrolled (n=709)	28.8	[25.1, 32.8]	71.2	[67.2, 74.9]	100.0
Pearson: Uncorrected chi2(1) =	52.3390				
Design-based F(1.00, 3085.00) =	36.7921	Pr =	0.000		
<b>Total (n=3,097)</b>	<b>40.4</b>	<b>[38.2, 42.6]</b>	<b>59.6</b>	<b>[57.4, 61.8]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.  $\phi=0.13$ .

### 4.9.2 Any HRA completion with physician attestation by any PCP visit, among respondents still enrolled

	Any HRA completion with physician attestation (DW)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Any PCP visit (DW)</b>					
Yes (n=2,279)	46.6	[44.0, 49.2]	53.4	[50.8, 56.0]	100.0
No (n=109)	8.2	[4.2, 15.5]	91.8	[84.5, 95.8]	100.0
Pearson: Uncorrected chi2(1) =	122.1653				
Design-based F(1.00, 3085.00) =	54.8992	Pr =	0.000		
<b>Total (n=2,388)</b>	<b>43.9</b>	<b>[41.3, 46.4]</b>	<b>56.1</b>	<b>[53.6, 58.7]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.  $\phi=0.20$ .

- 5 Aim 5: To understand HMP respondents' decisions about when, where and how to seek care, including decisions about emergency department utilization.**

## 5.1 Preventive services

### 5.1.1 Preventive services, among respondents still enrolled

	Percent	95%CI
<b>Any PCP visit (DW)</b>		
Yes (n=2,279)	92.9	[91.1, 94.4]
No (n=109)	7.1	[5.6, 8.9]
<b>Any preventive service (DW)<sup>a</sup></b>		
Yes (n=2,232)	92.4	[90.8, 93.7]
No (n=156)	7.6	[6.3, 9.2]
<b>Any dental visit (DW)</b>		
Yes (n=1,615)	67.4	[64.9, 69.8]
No (n=773)	32.6	[30.2, 35.1]
<b>Any cancer screening (DW)</b>		
Yes (n=1,406)	50.0	[47.5, 52.6]
No (n=982)	50.0	[47.4, 52.5]
<b>Any cervical cancer screening (DW)<sup>b</sup></b>		
Yes (n=882)	59.0	[55.7, 62.3]
No (n=573)	41.0	[37.7, 44.3]
<b>Any breast cancer screening (DW)<sup>c</sup></b>		
Yes (n=535)	75.4	[70.9, 79.4]
No (n=158)	24.6	[20.6, 29.1]
<b>Any colorectal cancer screening (DW)<sup>d</sup></b>		
Yes (n=515)	45.6	[42.0, 49.3]
No (n=575)	54.4	[50.7, 58.0]
<b>Any STI test (excluding HPV) (DW)</b>		
Yes (n=777)	35.8	[33.3, 38.3]
No (n=1,611)	64.2	[61.7, 66.7]
<b>Any HPV test (DW)</b>		
Yes (n=462)	17.0	[15.2, 18.8]
No (n=1,926)	83.0	[81.2, 84.8]
<b>Any vaccine (non-flu) (DW)</b>		
Yes (n=818)	33.2	[30.8, 35.7]
No (n=1,570)	66.8	[64.3, 69.2]
<b>Any flu vaccine (DW)</b>		
Yes (n=901)	33.7	[31.3, 36.1]
No (n=1,487)	66.3	[63.9, 68.7]
<b>Any pneumonia vaccine (DW)</b>		
Yes (n=267)	9.5	[8.1, 11.1]
No (n=2,121)	90.5	[88.9, 91.9]
<b>Any statin (DW)</b>		
Yes (n=594)	20.4	[18.5, 22.4]
No (n=1,794)	79.6	[77.6, 81.5]
<b>Any NRT/varenicline (DW)</b>		
Yes (n=343)	13.2	[11.6, 15.0]
No (n=2,045)	86.8	[85.0, 88.4]
<b>Any nutrition program (DW)</b>		
Yes (n=94)	4.2	[3.2, 5.5]
No (n=2,294)	95.8	[94.5, 96.8]
<b>Any diabetes prevention program (DW)</b>		
Yes (n=50)	1.7	[1.2, 2.3]
No (n=2,338)	98.3	[97.7, 98.8]

<sup>a</sup> Any preventive service includes the preventive services listed below (does not include primary care visit)

<sup>b</sup> Restricted to female respondents

<sup>c</sup> Restricted to female respondents over the age of 50

<sup>d</sup> Restricted to respondents over the age of 50

### 5.1.2 Statin prescription, among respondents still enrolled with diabetes and/or heart disease

Any statin (DW)	Percent	95%CI
Yes (n=394)	42.0	[37.8, 46.3]
No (n=449)	58.0	[53.7, 62.2]

### 5.1.3 NRT/varenicline prescription, among respondents still enrolled who reported using tobacco in 2016 or 2017

Any NRT/varenicline (DW)	Percent	95%CI
Yes (n=303)	28.1	[24.8, 31.6]
No (n=691)	71.9	[68.4, 75.2]

### 5.1.4 Preventive services by any HRA completion with physician attestation, among respondents still enrolled

	Any HRA completion with physician attestation (DW)					
	Yes		No		Total	
	Col%	95%CI	Col%	95%CI	Col%	95%CI
<b>Any PCP visit (DW)</b>						
Yes (n=2,279)	98.7	[97.4, 99.3]	88.4	[85.3, 90.9]	92.9	[91.1, 94.4]
No (n=109)	1.3	[0.7, 2.6]	11.6	[9.1, 14.7]	7.1	[5.6, 8.9]
Pearson: Uncorrected chi2(1) =	122.1653					
Design-based F(1.00, 3085.00) =	54.8992	Pr =	0.000			
<b>Any preventive service (DW)<sup>a</sup></b>						
Yes (n=2,232)	95.6	[93.8, 96.8]	89.9	[87.4, 91.9]	92.4	[90.8, 93.7]
No (n=156)	4.4	[3.2, 6.2]	10.1	[8.1, 12.6]	7.6	[6.3, 9.2]
Pearson: Uncorrected chi2(1) =	34.6558					
Design-based F(1.00, 3085.00) =	17.2681	Pr =	0.000			
<b>Any dental visit (DW)</b>						
Yes (n=1,615)	71.3	[67.8, 74.5]	64.3	[60.8, 67.7]	67.4	[64.9, 69.8]
No (n=773)	28.7	[25.5, 32.2]	35.7	[32.3, 39.2]	32.6	[30.2, 35.1]
Pearson: Uncorrected chi2(1) =	16.6524					
Design-based F(1.00, 3085.00) =	7.8222	Pr =	0.005			
<b>Any cancer screening (DW)</b>						
Yes (n=1,406)	57.6	[53.8, 61.3]	44.1	[40.7, 47.6]	50.0	[47.5, 52.6]
No (n=982)	42.4	[38.7, 46.2]	55.9	[52.4, 59.3]	50.0	[47.4, 52.5]
Pearson: Uncorrected chi2(1) =	55.6971					
Design-based F(1.00, 3085.00) =	26.2379	Pr =	0.000			
<b>Any cervical cancer screening (DW)<sup>b</sup></b>						
Yes (n=882)	65.5	[60.9, 69.9]	53.8	[49.2, 58.3]	59.0	[55.7, 62.3]
No (n=573)	34.5	[30.1, 39.1]	46.2	[41.7, 50.8]	41.0	[37.7, 44.3]
Pearson: Uncorrected chi2(1) =	43.6767					
Design-based F(1.00, 3085.00) =	12.6073	Pr =	0.000			
<b>Any breast cancer screening (DW)<sup>c</sup></b>						
Yes (n=535)	83.1	[77.8, 87.4]	67.3	[60.2, 73.8]	75.4	[70.9, 79.4]
No (n=158)	16.9	[12.6, 22.2]	32.7	[26.2, 39.8]	24.6	[20.6, 29.1]
Pearson: Uncorrected chi2(1) =	104.2119					
Design-based F(1.00, 3085.00) =	14.0929	Pr =	0.000			
<b>Any colorectal cancer screening (DW)<sup>d</sup></b>						
Yes (n=515)	47.6	[42.6, 52.7]	43.6	[38.5, 48.8]	45.6	[42.0, 49.3]
No (n=575)	52.4	[47.3, 57.4]	56.4	[51.2, 61.5]	54.4	[50.7, 58.0]
Pearson: Uncorrected chi2(1) =	5.0153					
Design-based F(1.00, 3085.00) =	1.1697	Pr =	0.280			
<b>Any STI test (excluding HPV) (DW)</b>						
Yes (n=777)	38.5	[34.8, 42.2]	33.6	[30.3, 37.2]	35.8	[33.3, 38.3]
No (n=1,611)	61.5	[57.8, 65.2]	66.4	[62.8, 69.7]	64.2	[61.7, 66.7]
Pearson: Uncorrected chi2(1) =	7.7290					
Design-based F(1.00, 3085.00) =	3.4930	Pr =	0.062			
<b>Any HPV test (DW)</b>						
Yes (n=462)	20.3	[17.6, 23.3]	14.3	[12.3, 16.7]	17.0	[15.2, 18.8]
No (n=1,926)	79.7	[76.7, 82.4]	85.7	[83.3, 87.7]	83.0	[81.2, 84.8]
Pearson: Uncorrected chi2(1) =	19.1817					
Design-based F(1.00, 3085.00) =	10.5574	Pr =	0.001			
<b>Any vaccine (non-flu) (DW)</b>						
Yes (n=818)	34.9	[31.4, 38.5]	31.9	[28.7, 35.3]	33.2	[30.8, 35.7]
No (n=1,570)	65.1	[61.5, 68.6]	68.1	[64.7, 71.3]	66.8	[64.3, 69.2]
Pearson: Uncorrected chi2(1) =	3.0562					
Design-based F(1.00, 3085.00) =	1.4386	Pr =	0.230			
<b>Any flu vaccine (DW)</b>						
Yes (n=901)	38.3	[34.8, 42.0]	30.0	[27.0, 33.3]	33.7	[31.3, 36.1]
No (n=1,487)	61.7	[58.0, 65.2]	70.0	[66.7, 73.0]	66.3	[63.9, 68.7]
Pearson: Uncorrected chi2(1) =	23.4674					
Design-based F(1.00, 3085.00) =	11.4805	Pr =	0.001			

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<b>Any pneumonia vaccine (DW)</b>						
Yes (n=267)	11.1	[8.9, 13.6]	8.3	[6.6, 10.3]	9.5	[8.1, 11.1]
No (n=2,121)	88.9	[86.4, 91.1]	91.7	[89.7, 93.4]	90.5	[88.9, 91.9]
Pearson: Uncorrected chi2(1) =	6.7923					
Design-based F(1.00, 3085.00) =	3.4078	Pr =	0.065			
<b>Any statin (DW)</b>						
Yes (n=594)	24.3	[21.4, 27.4]	17.4	[15.0, 19.9]	20.4	[18.5, 22.4]
No (n=1,794)	75.7	[72.6, 78.6]	82.6	[80.1, 85.0]	79.6	[77.6, 81.5]
Pearson: Uncorrected chi2(1) =	22.4210					
Design-based F(1.00, 3085.00) =	12.4167	Pr =	0.000			
<b>Any NRT/varenicline (DW)</b>						
Yes (n=343)	15.2	[12.8, 18.0]	11.6	[9.6, 13.9]	13.2	[11.6, 15.0]
No (n=2,045)	84.8	[82.0, 87.2]	88.4	[86.1, 90.4]	86.8	[85.0, 88.4]
Pearson: Uncorrected chi2(1) =	8.6263					
Design-based F(1.00, 3085.00) =	4.4121	Pr =	0.036			
<b>Any nutrition program (DW)</b>						
Yes (n=94)	4.6	[3.2, 6.4]	4.0	[2.6, 6.0]	4.2	[3.2, 5.5]
No (n=2,294)	95.4	[93.6, 96.8]	96.0	[94.0, 97.4]	95.8	[94.5, 96.8]
Pearson: Uncorrected chi2(1) =	0.6940					
Design-based F(1.00, 3085.00) =	0.2711	Pr =	0.603			
<b>Any diabetes prevention program (DW)</b>						
Yes (n=50)	2.3	[1.5, 3.4]	1.2	[0.8, 2.0]	1.7	[1.2, 2.3]
No (n=2,338)	97.7	[96.6, 98.5]	98.8	[98.0, 99.2]	98.3	[97.7, 98.8]
Pearson: Uncorrected chi2(1) =	5.2282					
Design-based F(1.00, 3085.00) =	3.8920	Pr =	0.049			

Notes:  $\chi^2$  test of independence

<sup>a</sup> Any preventive service includes the preventive services listed below (does not include primary care visit)

<sup>b</sup> Analysis restricted to female respondents

<sup>c</sup> Analysis restricted to female respondents over the age of 50

<sup>d</sup> Analysis restricted to respondents over the age of 50

### 5.1.5 Preventive services by discussed HRA with provider in the last year (2017), among respondents still enrolled

	Discussed HRA with provider in the last year (2017)					
	Col%	Yes 95%CI	No/don't know Col% 95%CI	Col%	95%CI	Total Col% 95%CI
<b>Any PCP visit (DW)</b>						
Yes (n=2,276)	97.4	[95.6, 98.4]	89.1	[86.0, 91.6]	92.9	[91.0, 94.4]
No (n=109)	2.6	[1.6, 4.4]	10.9	[8.4, 14.0]	7.1	[5.6, 9.0]
Pearson: Uncorrected chi2(1) =	79.9760					
Design-based F(1.00, 3082.00) =	28.2606	Pr =	0.000			
<b>Any preventive service (DW)<sup>a</sup></b>						
Yes (n=2,230)	94.5	[92.6, 95.9]	90.7	[88.3, 92.7]	92.5	[90.9, 93.8]
No (n=155)	5.5	[4.1, 7.4]	9.3	[7.3, 11.7]	7.5	[6.2, 9.1]
Pearson: Uncorrected chi2(1) =	15.8397					
Design-based F(1.00, 3082.00) =	7.5856	Pr =	0.006			
<b>Any dental visit (DW)</b>						
Yes (n=1,613)	67.7	[64.2, 71.1]	67.1	[63.6, 70.5]	67.4	[64.9, 69.8]
No (n=772)	32.3	[28.9, 35.8]	32.9	[29.5, 36.4]	32.6	[30.2, 35.1]
Pearson: Uncorrected chi2(1) =	0.1380					
Design-based F(1.00, 3082.00) =	0.0635	Pr =	0.801			
<b>Any cancer screening (DW)</b>						
Yes (n=1,404)	56.1	[52.4, 59.7]	44.9	[41.4, 48.6]	50.0	[47.5, 52.6]
No (n=981)	43.9	[40.3, 47.6]	55.1	[51.4, 58.6]	50.0	[47.4, 52.5]
Pearson: Uncorrected chi2(1) =	38.1453					
Design-based F(1.00, 3082.00) =	17.6527	Pr =	0.000			
<b>Any cervical cancer screening (DW)<sup>b</sup></b>						
Yes (n=880)	62.0	[57.4, 66.5]	55.9	[51.1, 60.6]	59.0	[55.6, 62.2]
No (n=573)	38.0	[33.5, 42.6]	44.1	[39.4, 48.9]	41.0	[37.8, 44.4]
Pearson: Uncorrected chi2(1) =	11.9005					
Design-based F(1.00, 3083.00) =	3.2965	Pr =	0.070			
<b>Any breast cancer screening (DW)<sup>c</sup></b>						
Yes (n=535)	79.8	[74.2, 84.5]	70.3	[63.0, 76.7]	75.4	[70.8, 79.4]
No (n=158)	20.2	[15.5, 25.8]	29.7	[23.3, 37.0]	24.6	[20.6, 29.2]
Pearson: Uncorrected chi2(1) =	37.7183					
Design-based F(1.00, 3085.00) =	4.8676	Pr =	0.027			
<b>Any colorectal cancer screening (DW)<sup>d</sup></b>						
Yes (n=515)	46.2	[41.3, 51.2]	45.0	[39.7, 50.3]	45.6	[42.0, 49.3]
No (n=575)	53.8	[48.8, 58.7]	55.0	[49.7, 60.3]	54.4	[50.7, 58.0]
Pearson: Uncorrected chi2(1) =	0.4946					
Design-based F(1.00, 3085.00) =	0.1149	Pr =	0.735			
<b>Any STI test (excluding HPV) (DW)</b>						
Yes (n=776)	39.7	[36.2, 43.4]	32.4	[29.0, 36.0]	35.8	[33.3, 38.3]
No (n=1,609)	60.3	[56.6, 63.8]	67.6	[64.0, 71.0]	64.2	[61.7, 66.7]
Pearson: Uncorrected chi2(1) =	18.0152					
Design-based F(1.00, 3082.00) =	8.0605	Pr =	0.005			
<b>Any HPV test (DW)</b>						
Yes (n=461)	20.8	[18.1, 23.8]	13.6	[11.6, 16.0]	16.9	[15.2, 18.8]
No (n=1,924)	79.2	[76.2, 81.9]	86.4	[84.0, 88.4]	83.1	[81.2, 84.8]
Pearson: Uncorrected chi2(1) =	28.4646					
Design-based F(1.00, 3082.00) =	15.7638	Pr =	0.000			
<b>Any vaccine (non-flu) (DW)</b>						
Yes (n=817)	35.7	[32.4, 39.3]	31.1	[27.8, 34.7]	33.3	[30.8, 35.7]
No (n=1,568)	64.3	[60.7, 67.6]	68.9	[65.3, 72.2]	66.7	[64.3, 69.2]
Pearson: Uncorrected chi2(1) =	7.3445					
Design-based F(1.00, 3082.00) =	3.4089	Pr =	0.065			
<b>Any flu vaccine (DW)</b>						
Yes (n=901)	39.4	[35.9, 43.0]	28.9	[25.8, 32.2]	33.7	[31.4, 36.1]
No (n=1,484)	60.6	[57.0, 64.1]	71.1	[67.8, 74.2]	66.3	[63.9, 68.6]
Pearson: Uncorrected chi2(1) =	38.1233					
Design-based F(1.00, 3082.00) =	18.5556	Pr =	0.000			

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<b>Any pneumonia vaccine (DW)</b>						
Yes (n=267)	12.5	[10.3, 15.1]	7.0	[5.4, 8.9]	9.5	[8.2, 11.1]
No (n=2,118)	87.5	[84.9, 89.7]	93.0	[91.1, 94.6]	90.5	[88.9, 91.8]
Pearson: Uncorrected chi2(1) =	27.4099					
Design-based F(1.00, 3082.00) =	13.7239	Pr =	0.000			
<b>Any statin (DW)</b>						
Yes (n=594)	25.7	[22.9, 28.7]	15.9	[13.6, 18.6]	20.4	[18.6, 22.4]
No (n=1,791)	74.3	[71.3, 77.1]	84.1	[81.4, 86.4]	79.6	[77.6, 81.4]
Pearson: Uncorrected chi2(1) =	44.8483					
Design-based F(1.00, 3082.00) =	24.1337	Pr =	0.000			
<b>Any NRT/varenicline (DW)</b>						
Yes (n=343)	14.8	[12.5, 17.4]	11.9	[9.8, 14.4]	13.2	[11.6, 15.0]
No (n=2,042)	85.2	[82.6, 87.5]	88.1	[85.6, 90.2]	86.8	[85.0, 88.4]
Pearson: Uncorrected chi2(1) =	5.7214					
Design-based F(1.00, 3082.00) =	2.9008	Pr =	0.089			
<b>Any nutrition program (DW)</b>						
Yes (n=94)	4.2	[3.0, 5.8]	4.3	[2.8, 6.4]	4.2	[3.2, 5.5]
No (n=2,291)	95.8	[94.2, 97.0]	95.7	[93.6, 97.2]	95.8	[94.5, 96.8]
Pearson: Uncorrected chi2(1) =	0.0321					
Design-based F(1.00, 3082.00) =	0.0129	Pr =	0.909			
<b>Any diabetes prevention program (DW)</b>						
Yes (n=50)	2.4	[1.6, 3.5]	1.1	[0.6, 1.8]	1.7	[1.3, 2.3]
No (n=2,335)	97.6	[96.5, 98.4]	98.9	[98.2, 99.4]	98.3	[97.7, 98.7]
Pearson: Uncorrected chi2(1) =	8.0359					
Design-based F(1.00, 3082.00) =	6.0341	Pr =	0.014			

Notes:  $\chi^2$  test of independence

<sup>a</sup> Any preventive service includes the preventive services listed below (does not include primary care visit)

<sup>b</sup> Analysis restricted to female respondents

<sup>c</sup> Analysis restricted to female respondents over the age of 50

<sup>d</sup> Analysis restricted to respondents over the age of 50

### 5.1.6 Preventive services by knowledge of HMP covered benefits and costs (2016, 2017, change 2016-2017), among respondents still enrolled

	Knowledge of HMP covered benefits and costs							
	2016				2017			
	Mean	SE	95%CI	N	Mean	SE	95%CI	N
<b>Any PCP visit (DW)</b>								
Yes	3.2	0.04	[3.1, 3.2]	2,279	3.1	0.03	[3.0, 3.2]	2,279
No	2.4	0.20	[2.0, 2.8]	109	2.7	0.18	[2.3, 3.0]	109
<b>Any preventive service(DW)<sup>a</sup></b>								
Yes	3.2	0.04	[3.1, 3.2]	2,232	3.1	0.03	[3.0, 3.2]	2,232
No	2.7	0.16	[2.3, 3.0]	156	2.7	0.15	[2.4, 3.0]	156
<b>Any dental visit (DW)</b>								
Yes	3.2	0.05	[3.2, 3.3]	1,615	3.2	0.04	[3.1, 3.3]	1,615
No	2.8	0.07	[2.7, 3.0]	773	2.8	0.06	[2.7, 2.9]	773
<b>Any cancer screening (DW)</b>								
Yes	3.3	0.05	[3.2, 3.4]	1,406	3.2	0.04	[3.1, 3.3]	1,406
No	2.9	0.06	[2.8, 3.1]	982	2.9	0.05	[2.8, 3.0]	982
<b>Any cervical cancer screening (DW)<sup>b</sup></b>								
Yes	3.3	0.06	[3.2, 3.4]	882	3.2	0.05	[3.1, 3.3]	882
No	3.3	0.08	[3.1, 3.4]	573	3.2	0.07	[3.0, 3.3]	573
<b>Any breast cancer screening (DW)<sup>c</sup></b>								
Yes	3.4	0.06	[3.2, 3.5]	535	3.3	0.06	[3.1, 3.4]	535
No	3.1	0.16	[2.8, 3.4]	158	2.8	0.15	[2.5, 3.1]	158
<b>Any colorectal cancer screening (DW)<sup>d</sup></b>								
Yes	3.4	0.07	[3.2, 3.5]	515	3.1	0.06	[3.0, 3.3]	515
No	3.2	0.07	[3.0, 3.3]	575	3.0	0.07	[2.9, 3.2]	575
<b>Any STI test (excluding HPV) (DW)</b>								
Yes	3.2	0.07	[3.0, 3.3]	777	3.1	0.06	[3.0, 3.2]	777
No	3.1	0.05	[3.0, 3.2]	1,611	3.1	0.04	[3.0, 3.1]	1,611
<b>Any HPV test (DW)</b>								
Yes	3.3	0.09	[3.1, 3.4]	462	3.2	0.07	[3.0, 3.3]	462
No	3.1	0.04	[3.0, 3.2]	1,926	3.1	0.04	[3.0, 3.1]	1,926
<b>Any vaccine (non-flu) (DW)</b>								
Yes	3.1	0.06	[3.0, 3.2]	818	3.1	0.06	[3.0, 3.2]	818
No	3.1	0.05	[3.0, 3.2]	1,570	3.1	0.04	[3.0, 3.1]	1,570
<b>Any flu vaccine (DW)</b>								
Yes	3.3	0.06	[3.2, 3.4]	901	3.2	0.05	[3.1, 3.3]	901
No	3.0	0.05	[2.9, 3.1]	1,487	3.0	0.04	[2.9, 3.1]	1,487
<b>Any pneumonia vaccine (DW)</b>								
Yes	3.1	0.12	[2.9, 3.3]	267	3.1	0.10	[2.9, 3.3]	267
No	3.1	0.04	[3.0, 3.2]	2,121	3.1	0.04	[3.0, 3.1]	2,121
<b>Any statin (DW)</b>								
Yes	3.3	0.07	[3.1, 3.4]	594	3.1	0.06	[3.0, 3.2]	594
No	3.1	0.05	[3.0, 3.2]	1,794	3.1	0.04	[3.0, 3.2]	1,794
<b>Any NRT/varenicline (DW)</b>								
Yes	3.3	0.09	[3.1, 3.5]	343	3.0	0.08	[2.9, 3.2]	343
No	3.1	0.04	[3.0, 3.2]	2,045	3.1	0.04	[3.0, 3.2]	2,045
<b>Any nutrition program (DW)</b>								
Yes	3.2	0.22	[2.8, 3.7]	94	3.2	0.20	[2.8, 3.6]	94
No	3.1	0.04	[3.0, 3.2]	2,294	3.1	0.03	[3.0, 3.1]	2,294
<b>Any diabetes prevention program (DW)</b>								
Yes	2.9	0.25	[2.4, 3.4]	50	3.3	0.18	[2.9, 3.6]	50
No	3.1	0.04	[3.0, 3.2]	2,338	3.1	0.03	[3.0, 3.1]	2,338

**Notes:** Knowledge of HMP covered benefits and costs is defined as the count of correct answers to a series of questions about HMP, which were common to both the 2016 and 2017 surveys (Range 0-6). These questions include: I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK; I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK; Some kinds of visits, tests and medicines have no copays. Y/N/DK; Do you think the following are covered under Healthy Michigan Plan, not covered, or you don't know: Eyeglasses, routine dental care, counseling for mental or emotional problems.

<sup>a</sup> Any preventive service includes the preventive services listed below (does not include primary care visit)

<sup>b</sup> Analysis restricted to female respondents

<sup>c</sup> Analysis restricted to female respondents over the age of 50

<sup>d</sup> Analysis restricted to respondents over the age of 50

### 5.1.7 Preventive services by may get reduction by completing HRA (2017), among respondents still enrolled

	May get reduction by completing HRA (2017)					
	Col%	Yes 95%CI	No/don't know Col% 95%CI	Col%	95%CI	Total Col% 95%CI
<b>Any PCP visit (DW)</b>						
Yes (n=2,278)	91.0	[86.8, 94.0]	93.6	[91.5, 95.2]	92.9	[91.0, 94.4]
No (n=109)	9.0	[6.0, 13.2]	6.4	[4.8, 8.5]	7.1	[5.6, 9.0]
Pearson: Uncorrected chi2(1) =	6.2661					
Design-based F(1.00, 3084.00) =	1.8485	Pr =	0.174			
<b>Any preventive service (DW)<sup>a</sup></b>						
Yes (n=2,231)	89.7	[86.0, 92.4]	93.4	[91.7, 94.8]	92.4	[90.8, 93.7]
No (n=156)	10.3	[7.6, 14.0]	6.6	[5.2, 8.3]	7.6	[6.3, 9.2]
Pearson: Uncorrected chi2(1) =	12.0318					
Design-based F(1.00, 3084.00) =	5.1330	Pr =	0.024			
<b>Any dental visit (DW)</b>						
Yes (n=1,614)	68.1	[63.4, 72.5]	67.0	[64.0, 69.8]	67.3	[64.8, 69.7]
No (n=773)	31.9	[27.5, 36.6]	33.0	[30.2, 36.0]	32.7	[30.3, 35.2]
Pearson: Uncorrected chi2(1) =	0.3686					
Design-based F(1.00, 3084.00) =	0.1716	Pr =	0.679			
<b>Any cancer screening (DW)</b>						
Yes (n=1,406)	47.6	[42.8, 52.5]	51.1	[48.1, 54.2]	50.2	[47.6, 52.8]
No (n=981)	52.4	[47.5, 57.2]	48.9	[45.8, 51.9]	49.8	[47.2, 52.4]
Pearson: Uncorrected chi2(1) =	3.0430					
Design-based F(1.00, 3084.00) =	1.4340	Pr =	0.231			
<b>Any cervical cancer screening (DW)<sup>b</sup></b>						
Yes (n=882)	59.1	[52.6, 65.2]	59.0	[55.1, 62.8]	59.0	[55.7, 62.3]
No (n=573)	40.9	[34.8, 47.4]	41.0	[37.2, 44.9]	41.0	[37.7, 44.3]
Pearson: Uncorrected chi2(1) =	0.0001					
Design-based F(1.00, 3085.00) =	0.0000	Pr =	0.995			
<b>Any breast cancer screening (DW)<sup>c</sup></b>						
Yes (n=535)	78.5	[70.2, 84.9]	74.1	[68.6, 79.0]	75.4	[70.8, 79.4]
No (n=158)	21.5	[15.1, 29.8]	25.9	[21.0, 31.4]	24.6	[20.6, 29.2]
Pearson: Uncorrected chi2(1) =	6.4483					
Design-based F(1.00, 3085.00) =	0.8462	Pr =	0.358			
<b>Any colorectal cancer screening (DW)<sup>d</sup></b>						
Yes (n=515)	43.8	[37.4, 50.3]	46.4	[42.1, 50.8]	45.6	[42.0, 49.3]
No (n=575)	56.2	[49.7, 62.6]	53.6	[49.2, 57.9]	54.4	[50.7, 58.0]
Pearson: Uncorrected chi2(1) =	1.7922					
Design-based F(1.00, 3085.00) =	0.4291	Pr =	0.512			
<b>Any STI test (excluding HPV) (DW)</b>						
Yes (n=776)	32.3	[27.8, 37.2]	36.9	[33.9, 39.9]	35.6	[33.1, 38.2]
No (n=1,611)	67.7	[62.8, 72.2]	63.1	[60.1, 66.1]	64.4	[61.8, 66.9]
Pearson: Uncorrected chi2(1) =	5.6018					
Design-based F(1.00, 3084.00) =	2.5031	Pr =	0.114			
<b>Any HPV test (DW)</b>						
Yes (n=462)	14.2	[11.4, 17.6]	18.1	[16.0, 20.3]	17.0	[15.3, 18.9]
No (n=1,925)	85.8	[82.4, 88.6]	81.9	[79.7, 84.0]	83.0	[81.1, 84.7]
Pearson: Uncorrected chi2(1) =	6.4601					
Design-based F(1.00, 3084.00) =	3.6172	Pr =	0.057			
<b>Any vaccine (non-flu) (DW)</b>						
Yes (n=817)	32.9	[28.5, 37.8]	33.1	[30.3, 36.0]	33.1	[30.7, 35.5]
No (n=1,570)	67.1	[62.2, 71.5]	66.9	[64.0, 69.7]	66.9	[64.5, 69.3]
Pearson: Uncorrected chi2(1) =	0.0069					
Design-based F(1.00, 3084.00) =	0.0032	Pr =	0.955			
<b>Any flu vaccine (DW)</b>						
Yes (n=901)	36.1	[31.6, 40.9]	32.8	[30.1, 35.7]	33.7	[31.4, 36.2]
No (n=1,486)	63.9	[59.1, 68.4]	67.2	[64.3, 69.9]	66.3	[63.8, 68.6]
Pearson: Uncorrected chi2(1) =	3.0014					
Design-based F(1.00, 3084.00) =	1.4532	Pr =	0.228			

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<b>Any pneumonia vaccine (DW)</b>						
Yes (n=267)	8.9	[6.6, 12.0]	9.8	[8.2, 11.6]	9.5	[8.2, 11.1]
No (n=2,120)	91.1	[88.0, 93.4]	90.2	[88.4, 91.8]	90.5	[88.9, 91.8]
Pearson: Uncorrected chi2(1) =	0.5123					
Design-based F(1.00, 3084.00) =	0.2577	Pr =	0.612			
<b>Any statin (DW)</b>						
Yes (n=594)	18.8	[15.6, 22.5]	21.1	[18.9, 23.4]	20.4	[18.6, 22.4]
No (n=1,793)	81.2	[77.5, 84.4]	78.9	[76.6, 81.1]	79.6	[77.6, 81.4]
Pearson: Uncorrected chi2(1) =	2.0130					
Design-based F(1.00, 3084.00) =	1.1456	Pr =	0.285			
<b>Any NRT/varenicline (DW)</b>						
Yes (n=343)	8.2	[6.1, 10.9]	15.1	[13.1, 17.4]	13.2	[11.7, 15.0]
No (n=2,044)	91.8	[89.1, 93.9]	84.9	[82.6, 86.9]	86.8	[85.0, 88.3]
Pearson: Uncorrected chi2(1) =	25.7057					
Design-based F(1.00, 3084.00) =	15.0756	Pr =	0.000			
<b>Any nutrition program (DW)</b>						
Yes (n=93)	4.2	[2.7, 6.6]	3.9	[2.8, 5.4]	4.0	[3.1, 5.2]
No (n=2,294)	95.8	[93.4, 97.3]	96.1	[94.6, 97.2]	96.0	[94.8, 96.9]
Pearson: Uncorrected chi2(1) =	0.1998					
Design-based F(1.00, 3084.00) =	0.0947	Pr =	0.758			
<b>Any diabetes prevention program (DW)</b>						
Yes (n=50)	2.2	[1.3, 3.7]	1.5	[1.0, 2.2]	1.7	[1.3, 2.3]
No (n=2,337)	97.8	[96.3, 98.7]	98.5	[97.8, 99.0]	98.3	[97.7, 98.7]
Pearson: Uncorrected chi2(1) =	1.7625					
Design-based F(1.00, 3084.00) =	1.3078	Pr =	0.253			

Notes:  $\chi^2$  test of independence

<sup>a</sup> Any preventive service includes the preventive services listed below (does not include primary care visit)

<sup>b</sup> Analysis restricted to female respondents

<sup>c</sup> Analysis restricted to female respondents over the age of 50

<sup>d</sup> Analysis restricted to respondents over the age of 50

### 5.1.8 Preventive services by some kinds of visits, tests, and medicines have no copays (2017), among respondents still enrolled

	Some kinds of visits, tests, and medicines have no copays (2017)					
	Col%	Yes 95%CI	No/don't know Col%	95%CI	Total Col%	95%CI
<b>Any PCP visit (DW)</b>						
Yes (n=2,278)	94.2	[92.1, 95.8]	89.3	[85.3, 92.4]	92.9	[91.0, 94.4]
No (n=109)	5.8	[4.2, 7.9]	10.7	[7.6, 14.7]	7.1	[5.6, 9.0]
Pearson: Uncorrected chi2(1) =	22.4568					
Design-based F(1.00, 3084.00) =	6.9113	Pr =	0.009			
<b>Any preventive service (DW)<sup>a</sup></b>						
Yes (n=2,231)	93.2	[91.4, 94.7]	90.0	[86.7, 92.6]	92.4	[90.8, 93.7]
No (n=156)	6.8	[5.3, 8.6]	10.0	[7.4, 13.3]	7.6	[6.3, 9.2]
Pearson: Uncorrected chi2(1) =	8.9170					
Design-based F(1.00, 3084.00) =	3.9714	Pr =	0.046			
<b>Any dental visit (DW)</b>						
Yes (n=1,614)	67.7	[64.8, 70.5]	66.2	[61.2, 70.8]	67.3	[64.8, 69.7]
No (n=773)	32.3	[29.5, 35.2]	33.8	[29.2, 38.8]	32.7	[30.3, 35.2]
Pearson: Uncorrected chi2(1) =	0.6574					
Design-based F(1.00, 3084.00) =	0.2882	Pr =	0.591			
<b>Any cancer screening (DW)</b>						
Yes (n=1,406)	51.6	[48.5, 54.6]	46.5	[41.7, 51.4]	50.2	[47.6, 52.8]
No (n=981)	48.4	[45.4, 51.5]	53.5	[48.6, 58.3]	49.8	[47.2, 52.4]
Pearson: Uncorrected chi2(1) =	6.2661					
Design-based F(1.00, 3084.00) =	2.9131	Pr =	0.088			
<b>Any cervical cancer screening (DW)<sup>b</sup></b>						
Yes (n=882)	59.7	[55.9, 63.5]	56.9	[50.2, 63.3]	59.0	[55.7, 62.3]
No (n=573)	40.3	[36.5, 44.1]	43.1	[36.7, 49.8]	41.0	[37.7, 44.3]
Pearson: Uncorrected chi2(1) =	1.9559					
Design-based F(1.00, 3085.00) =	0.5456	Pr =	0.460			
<b>Any breast cancer screening (DW)<sup>c</sup></b>						
Yes (n=535)	78.0	[72.5, 82.6]	68.6	[60.1, 76.1]	75.4	[70.8, 79.4]
No (n=158)	22.0	[17.4, 27.5]	31.4	[23.9, 39.9]	24.6	[20.6, 29.2]
Pearson: Uncorrected chi2(1) =	28.9784					
Design-based F(1.00, 3085.00) =	3.9455	Pr =	0.047			
<b>Any colorectal cancer screening (DW)<sup>d</sup></b>						
Yes (n=515)	45.6	[41.3, 50.0]	45.7	[39.1, 52.3]	45.6	[42.0, 49.3]
No (n=575)	54.4	[50.0, 58.7]	54.3	[47.7, 60.9]	54.4	[50.7, 58.0]
Pearson: Uncorrected chi2(1) =	0.0017					
Design-based F(1.00, 3085.00) =	0.0004	Pr =	0.984			
<b>Any STI test (excluding HPV) (DW)</b>						
Yes (n=776)	35.7	[32.9, 38.7]	35.3	[30.6, 40.3]	35.6	[33.1, 38.2]
No (n=1,611)	64.3	[61.3, 67.1]	64.7	[59.7, 69.4]	64.4	[61.8, 66.9]
Pearson: Uncorrected chi2(1) =	0.0497					
Design-based F(1.00, 3084.00) =	0.0215	Pr =	0.883			
<b>Any HPV test (DW)</b>						
Yes (n=462)	17.0	[15.0, 19.1]	17.1	[13.8, 20.9]	17.0	[15.3, 18.9]
No (n=1,925)	83.0	[80.9, 85.0]	82.9	[79.1, 86.2]	83.0	[81.1, 84.7]
Pearson: Uncorrected chi2(1) =	0.0055					
Design-based F(1.00, 3084.00) =	0.0029	Pr =	0.957			
<b>Any vaccine (non-flu) (DW)</b>						
Yes (n=817)	34.2	[31.3, 37.1]	30.1	[25.9, 34.7]	33.1	[30.7, 35.5]
No (n=1,570)	65.8	[62.9, 68.7]	69.9	[65.3, 74.1]	66.9	[64.5, 69.3]
Pearson: Uncorrected chi2(1) =	4.5344					
Design-based F(1.00, 3084.00) =	2.1649	Pr =	0.141			

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<b>Any flu vaccine (DW)</b>						
Yes (n=901)	35.1	[32.3, 38.0]	30.1	[26.1, 34.5]	33.7	[31.4, 36.2]
No (n=1,486)	64.9	[62.0, 67.7]	69.9	[65.5, 73.9]	66.3	[63.8, 68.6]
Pearson: Uncorrected chi2(1) =	6.8129					
Design-based F(1.00, 3084.00) =	3.5550	Pr =	0.059			
<b>Any pneumonia vaccine (DW)</b>						
Yes (n=267)	10.2	[8.5, 12.1]	7.9	[5.8, 10.7]	9.5	[8.2, 11.1]
No (n=2,120)	89.8	[87.9, 91.5]	92.1	[89.3, 94.2]	90.5	[88.9, 91.8]
Pearson: Uncorrected chi2(1) =	3.6164					
Design-based F(1.00, 3084.00) =	1.9786	Pr =	0.160			
<b>Any statin (DW)</b>						
Yes (n=594)	20.2	[18.0, 22.6]	21.0	[17.7, 24.8]	20.4	[18.6, 22.4]
No (n=1,793)	79.8	[77.4, 82.0]	79.0	[75.2, 82.3]	79.6	[77.6, 81.4]
Pearson: Uncorrected chi2(1) =	0.2703					
Design-based F(1.00, 3084.00) =	0.1561	Pr =	0.693			
<b>Any NRT/varenicline (DW)</b>						
Yes (n=343)	12.3	[10.6, 14.3]	15.6	[12.3, 19.5]	13.2	[11.7, 15.0]
No (n=2,044)	87.7	[85.7, 89.4]	84.4	[80.5, 87.7]	86.8	[85.0, 88.3]
Pearson: Uncorrected chi2(1) =	5.7055					
Design-based F(1.00, 3084.00) =	2.7471	Pr =	0.098			
<b>Any nutrition program (DW)</b>						
Yes (n=93)	4.3	[3.2, 5.8]	3.2	[1.7, 5.8]	4.0	[3.1, 5.2]
No (n=2,294)	95.7	[94.2, 96.8]	96.8	[94.2, 98.3]	96.0	[94.8, 96.9]
Pearson: Uncorrected chi2(1) =	2.0604					
Design-based F(1.00, 3084.00) =	0.7937	Pr =	0.373			
<b>Any diabetes prevention program (DW)</b>						
Yes (n=50)	1.8	[1.2, 2.6]	1.5	[0.9, 2.7]	1.7	[1.3, 2.3]
No (n=2,337)	98.2	[97.4, 98.8]	98.5	[97.3, 99.1]	98.3	[97.7, 98.7]
Pearson: Uncorrected chi2(1) =	0.2403					
Design-based F(1.00, 3084.00) =	0.2033	Pr =	0.652			

**Notes:**  $\chi^2$  test of independence

<sup>a</sup> Any preventive service includes the preventive services listed below (does not include primary care visit)

<sup>b</sup> Analysis restricted to female respondents

<sup>c</sup> Analysis restricted to female respondents over the age of 50

<sup>d</sup> Analysis restricted to respondents over the age of 50

### 5.1.9 Preventive services by MIHA Statements led me to change health care decisions (2017), among respondents still enrolled

	MIHA Statements led me to change health care decisions (2017)			N
	Mean	SE	95%CI	
<b>Any PCP visit (DW)</b>				
Yes	2.9	0.03	[2.8, 2.9]	1,884
No	2.8	0.18	[2.4, 3.2]	68
<b>Any preventive service (DW)<sup>a</sup></b>				
Yes	2.9	0.03	[2.8, 2.9]	1,842
No	3.0	0.11	[2.7, 3.2]	110
<b>Any dental visits (DW)</b>				
Yes	2.8	0.03	[2.8, 2.9]	1,323
No	2.9	0.05	[2.8, 3.0]	629
<b>Any cancer screening (DW)</b>				
Yes	2.8	0.03	[2.8, 2.9]	1,196
No	2.9	0.04	[2.8, 3.0]	756
<b>Any cervical cancer screening (DW)<sup>b</sup></b>				
Yes	2.8	0.04	[2.7, 2.9]	745
No	2.8	0.06	[2.7, 2.9]	474
<b>Any breast cancer screening (DW)<sup>c</sup></b>				
Yes	2.8	0.06	[2.7, 2.9]	475
No	2.8	0.12	[2.5, 3.0]	128
<b>Any colorectal cancer screening (DW)<sup>d</sup></b>				
Yes	2.9	0.06	[2.8, 3.0]	448
No	2.9	0.06	[2.8, 3.0]	478
<b>Any STI test (excluding HPV) (DW)</b>				
Yes	2.8	0.05	[2.7, 2.9]	627
No	2.9	0.03	[2.8, 2.9]	1,325
<b>Any HPV test (DW)</b>				
Yes	2.8	0.06	[2.7, 2.9]	392
No	2.9	0.03	[2.8, 2.9]	1,560
<b>Any vaccine (non-flu) (DW)</b>				
Yes	2.8	0.04	[2.8, 2.9]	680
No	2.9	0.04	[2.8, 2.9]	1,272
<b>Any flu vaccine (DW)</b>				
Yes	2.9	0.04	[2.8, 3.0]	769
No	2.9	0.04	[2.8, 2.9]	1,183
<b>Any pneumonia vaccine (DW)</b>				
Yes	2.8	0.08	[2.7, 3.0]	228
No	2.9	0.03	[2.8, 2.9]	1,724
<b>Any statin (DW)</b>				
Yes	2.9	0.05	[2.8, 3.0]	509
No	2.8	0.03	[2.8, 2.9]	1,443
<b>Any NRT/varenicline (DW)</b>				
Yes	2.8	0.07	[2.7, 3.0]	287
No	2.9	0.03	[2.8, 2.9]	1,665
<b>Any nutrition program (DW)</b>				
Yes	2.8	0.11	[2.5, 3.0]	81
No	2.9	0.03	[2.8, 2.9]	1,871
<b>Any diabetes prevention program (DW)</b>				
Yes	3.0	0.16	[2.7, 3.3]	40
No	2.9	0.03	[2.8, 2.9]	1,912

**Notes:** MIHA statements led me to change health care decisions is measured on a 5-point Likert scale where 5 indicates "strongly agree" and 1 indicates "strongly disagree".

<sup>a</sup> Any preventive service includes the preventive services listed below (does not include primary care visit)

<sup>b</sup> Analysis restricted to female respondents

<sup>c</sup> Analysis restricted to female respondents over the age of 50

<sup>d</sup> Analysis restricted to respondents over the age of 50

5.1.10 Predictors of number of preventive services (1), among respondents still enrolled

	Number of preventive services (DW)			Number of preventive services (DW)			Number of preventive services (DW)		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>May get reduction by completing HRA (2017)</b>									
No/don't know		Reference							
Yes	0.01	[-0.420, 0.448]	0.949						
<b>Number of chronic conditions (DW)</b>	0.78	[0.644, 0.910]	0.000	0.77	[0.636, 0.902]	0.000	0.21	[0.072, 0.350]	0.003
<b>Age (DW)</b>									
19-34		Reference			Reference			Reference	
35-50	0.87	[0.353, 1.383]	0.001	0.89	[0.372, 1.400]	0.001	0.83	[0.368, 1.284]	0.000
51-64	1.72	[1.208, 2.236]	0.000	1.76	[1.243, 2.274]	0.000	2.01	[1.533, 2.481]	0.000
<b>Gender (DW)</b>									
Male		Reference			Reference			Reference	
Female	3.99	[3.593, 4.384]	0.000	3.97	[3.570, 4.363]	0.000	3.45	[3.083, 3.811]	0.000
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic		Reference			Reference			Reference	
Black, non-Hispanic	-0.54	[-1.050, -0.032]	0.037	-0.51	[-1.018, 0.005]	0.052	-0.01	[-0.449, 0.432]	0.971
Hispanic	-0.21	[-0.931, 0.509]	0.565	-0.18	[-0.907, 0.539]	0.618	0.32	[-0.296, 0.934]	0.310
Other, non-Hispanic	-0.48	[-1.159, 0.201]	0.167	-0.48	[-1.159, 0.208]	0.172	-0.22	[-0.763, 0.316]	0.417
<b>FPL category (DW)</b>									
0-35%		Reference			Reference			Reference	
36-99%	-0.03	[-0.491, 0.440]	0.914	-0.01	[-0.479, 0.452]	0.955	-0.03	[-0.458, 0.391]	0.878
100%+	0.05	[-0.409, 0.516]	0.819	0.04	[-0.420, 0.498]	0.867	0.12	[-0.291, 0.539]	0.558
<b>Highest level of education (2017)</b>									
High school or less		Reference			Reference			Reference	
Associate's degree/some college	0.17	[-0.254, 0.603]	0.425	0.13	[-0.292, 0.559]	0.537	0.08	[-0.297, 0.460]	0.673
Bachelor's/post graduate degree	0.61	[-0.022, 1.250]	0.058	0.59	[-0.043, 1.224]	0.068	0.71	[0.155, 1.269]	0.012
<b>Some kinds of visits, tests, and medicines have no copays (2017)</b>									
No/don't know					Reference				
Yes				0.42	[-0.028, 0.865]	0.066			
<b>Any HRA completion with physician attestation (DW)</b>									
No								Reference	
Yes							1.24	[0.875, 1.608]	0.000
<b>Number of PCP visits (DW)</b>							0.19	[0.156, 0.217]	0.000
<b>Constant</b>	3.49	[3.001, 3.981]	0.000	3.21	[2.632, 3.786]	0.000	2.10	[1.655, 2.555]	0.000
N	2,352			2,352			2,353		
F-value	73.595			74.611			110.034		
Model degrees of freedom	12.000			12.000			13.000		
Residual degrees of freedom	2,340.000			2,340.000			2,341.000		
F-value significance	0.000			0.000			0.000		

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Notes: Multiple linear regression.

**5.1.11 Predictors of number of preventive services (2), among respondents still enrolled**

	Number of preventive services (DW)			Number of preventive services (DW)			Number of preventive services (DW)		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Discussed HRA with provider in the last year (2017)</b>									
No/don't know		Reference							
Yes	0.84	[0.443, 1.232]	0.000						
<b>Number of chronic conditions (DW)</b>	0.72	[0.590, 0.857]	0.000	0.61	[0.484, 0.739]	0.000	0.76	[0.623, 0.888]	0.000
<b>Age (DW)</b>									
19-34		Reference			Reference			Reference	
35-50	0.86	[0.351, 1.369]	0.001	0.80	[0.282, 1.317]	0.002	0.83	[0.324, 1.335]	0.001
51-64	1.70	[1.181, 2.216]	0.000	1.73	[1.212, 2.242]	0.000	1.71	[1.206, 2.214]	0.000
<b>Gender (DW)</b>									
Male		Reference			Reference			Reference	
Female	3.91	[3.517, 4.301]	0.000	3.75	[3.364, 4.145]	0.000	3.93	[3.541, 4.321]	0.000
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic		Reference			Reference			Reference	
Black, non-Hispanic	-0.61	[-1.110, -0.101]	0.019	-0.41	[-0.928, 0.099]	0.114	-0.48	[-0.974, 0.021]	0.060
Hispanic	-0.24	[-0.951, 0.478]	0.516	-0.19	[-0.896, 0.509]	0.589	-0.14	[-0.864, 0.583]	0.703
Other, non-Hispanic	-0.35	[-1.044, 0.349]	0.328	-0.29	[-0.932, 0.346]	0.369	-0.35	[-1.035, 0.328]	0.309
<b>FPL category (DW)</b>									
0-35%		Reference			Reference			Reference	
36-99%	-0.05	[-0.510, 0.417]	0.844	-0.08	[-0.550, 0.390]	0.738	-0.03	[-0.482, 0.427]	0.905
100%+	0.06	[-0.404, 0.519]	0.806	0.13	[-0.327, 0.584]	0.579	0.08	[-0.375, 0.532]	0.734
<b>Highest level of education (2017)</b>									
High school or less		Reference			Reference			Reference	
Associate's degree/some college	0.18	[-0.250, 0.609]	0.412	0.15	[-0.268, 0.572]	0.478	0.12	[-0.306, 0.539]	0.588
Bachelor's/post graduate degree	0.59	[-0.035, 1.223]	0.064	0.51	[-0.151, 1.166]	0.131	0.42	[-0.206, 1.054]	0.187
<b>PCP visit in past 12 months (2017)</b>									
No/don't know					Reference				
Yes				2.75	[2.144, 3.358]	0.000			
<b>Having health insurance is important to me (2017)</b>							0.19	[0.107, 0.264]	0.000
<b>Constant</b>	3.28	[2.795, 3.774]	0.000	1.76	[1.088, 2.439]	0.000	3.18	[2.705, 3.658]	0.000
N	2,350			2,238			2,353		
F-value	73.512			74.940			76.358		
Model degrees of freedom	12.000			12.000			12.000		
Residual degrees of freedom	2,338.000			2,226.000			2,341.000		
F-value significance	0.000			0.000			0.000		

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Notes: Multiple linear regression.

5.1.12 Predictors of number of preventive services (3), among respondents still enrolled

	Number of preventive services (DW)			Number of preventive services (DW)			Number of preventive services (DW)		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Any outpatient visit (DW)</b>									
No		Reference							
Yes	4.92	[4.298, 5.535]	0.000						
<b>Number of chronic conditions (DW)</b>	0.67	[0.542, 0.789]	0.000	0.75	[0.616, 0.885]	0.000	0.74	[0.590, 0.896]	0.000
<b>Age (DW)</b>									
19-34		Reference			Reference			Reference	
35-50	0.91	[0.438, 1.383]	0.000	0.88	[0.364, 1.392]	0.001	0.83	[0.248, 1.421]	0.005
51-64	1.68	[1.175, 2.180]	0.000	1.77	[1.247, 2.283]	0.000	1.63	[1.067, 2.199]	0.000
<b>Gender (DW)</b>									
Male		Reference			Reference			Reference	
Female	3.72	[3.341, 4.090]	0.000	3.90	[3.502, 4.290]	0.000	3.93	[3.502, 4.368]	0.000
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic		Reference			Reference			Reference	
Black, non-Hispanic	-0.27	[-0.756, 0.207]	0.263	-0.42	[-0.937, 0.107]	0.119	-0.49	[-1.073, 0.087]	0.096
Hispanic	-0.09	[-0.800, 0.618]	0.801	-0.14	[-0.867, 0.588]	0.708	-0.44	[-1.271, 0.385]	0.294
Other, non-Hispanic	-0.12	[-0.711, 0.479]	0.702	-0.22	[-0.921, 0.478]	0.535	-0.77	[-1.623, 0.086]	0.078
<b>FPL category (DW)</b>									
0-35%		Reference			Reference			Reference	
36-99%	-0.17	[-0.617, 0.277]	0.455	-0.04	[-0.500, 0.429]	0.881	-0.25	[-0.773, 0.274]	0.351
100%+	-0.02	[-0.458, 0.420]	0.932	0.04	[-0.418, 0.493]	0.871	-0.07	[-0.577, 0.432]	0.779
<b>Highest level of education (2017)</b>									
High school or less		Reference			Reference			Reference	
Associate's degree/some college	0.07	[-0.344, 0.474]	0.754	0.09	[-0.336, 0.510]	0.686	0.12	[-0.366, 0.599]	0.636
Bachelor's/post graduate degree	0.53	[-0.038, 1.104]	0.067	0.50	[-0.130, 1.130]	0.120	0.58	[-0.086, 1.246]	0.088
<b>Knowledge of HMP covered benefits and costs (2017)</b>				0.37	[0.201, 0.530]	0.000			
<b>MIHA Statements led me to change health care decisions (2017)</b>							-0.05	[-0.276, 0.172]	0.648
<b>Constant</b>	-0.82	[-1.500, -0.140]	0.018	2.45	[1.751, 3.154]	0.000	4.12	[3.250, 4.983]	0.000
N	2,353			2,353			1,924		
F-value	108.933			74.451			55.034		
Model degrees of freedom	12.000			12.000			12.000		
Residual degrees of freedom	2,341.000			2,341.000			1,912.000		
F-value significance	0.000			0.000			0.000		

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**Notes:** Multiple linear regression. Knowledge of HMP covered benefits and costs is defined as the count of correct answers to a series of questions about HMP, which were common to both the 2016 and 2017 surveys (Range 0-6). These questions include: I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK; I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK; Some kinds of visits, tests and medicines have no copays. Y/N/DK; Do you think the following are covered under Healthy Michigan Plan, not covered, or you don't know: Eyeglasses, routine dental care, counseling for mental or emotional problems.

## 5.2 PCP visits and regular source of care

### 5.2.1 Any PCP visit by follow-up group, among all respondents

	Any PCP visit (DW)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	92.9	[91.1, 94.4]	7.1	[5.6, 8.9]	100.0
No longer enrolled (n=709)	89.9	[86.3, 92.6]	10.1	[7.4, 13.7]	100.0
Pearson: Uncorrected chi2(1) =	7.0036				
Design-based F(1.00, 3085.00) =	3.1993	Pr =	0.074		
<b>Total (n=3,097)</b>	<b>92.2</b>	<b>[90.6, 93.5]</b>	<b>7.8</b>	<b>[6.5, 9.4]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.

### 5.2.2 Number of PCP visits by regular source of care is ER or urgent care in last 12 months (2017), among respondents still enrolled

	Number of PCP visits (DW)			N
	Mean	SE	95%CI	
<b>Regular source of care is ER or urgent care in last 12 months (2017)</b>				
Yes	7.0	1.10	[4.9, 9.2]	103
No	10.8	0.24	[10.3, 11.3]	2,285

### 5.2.3 Number of PCP visits by tried to contact PCP before going to ER (2017), among respondents still enrolled

	Number of PCP visits (DW)			N
	Mean	SE	95%CI	
<b>Tried to contact PCP before going to ER (2017)</b>				
Yes	16.2	1.19	[13.9, 18.6]	158
No/don't know	12.6	0.52	[11.6, 13.6]	603

## 5.2.4 Predictors of number of PCP visits, among respondents still enrolled

	Number of PCP visits (DW)			Number of PCP visits (DW)		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Regular source of care is ER or urgent care in last 12 months (2017)</b>						
No		Reference				
Yes	-0.30	[-0.565, -0.040]	0.024			
<b>Number of chronic conditions (DW)</b>	0.20	[0.180, 0.225]	0.000	0.18	[0.138, 0.213]	0.000
<b>Homeless in the last 12 months (2017)</b>						
No		Reference			Reference	
Yes	0.07	[-0.085, 0.227]	0.371	0.04	[-0.167, 0.251]	0.695
<b>Number of places lived in past 3 years (2017)</b>						
One		Reference			Reference	
Two	-0.06	[-0.154, 0.032]	0.202	-0.03	[-0.171, 0.117]	0.715
Three	0.16	[-0.010, 0.321]	0.065	0.11	[-0.117, 0.342]	0.336
Four or more	-0.03	[-0.264, 0.199]	0.784	-0.01	[-0.320, 0.300]	0.950
<b>Mental health condition and/or substance use disorder (DW)</b>						
No		Reference			Reference	
Yes	0.47	[0.384, 0.549]	0.000	0.38	[0.235, 0.528]	0.000
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.05	[-0.050, 0.153]	0.318	0.05	[-0.116, 0.208]	0.576
51-64	-0.08	[-0.190, 0.020]	0.113	-0.05	[-0.213, 0.118]	0.575
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.26	[0.178, 0.335]	0.000	0.32	[0.197, 0.449]	0.000
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	-0.15	[-0.244, -0.057]	0.002	-0.29	[-0.433, -0.148]	0.000
Hispanic	-0.16	[-0.322, 0.000]	0.050	-0.32	[-0.606, -0.032]	0.030
Other, non-Hispanic	0.05	[-0.093, 0.188]	0.509	0.06	[-0.166, 0.284]	0.607
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	0.05	[-0.034, 0.129]	0.251	0.05	[-0.087, 0.181]	0.494
100%+	-0.01	[-0.093, 0.073]	0.808	-0.01	[-0.139, 0.116]	0.860
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	0.02	[-0.059, 0.099]	0.613	0.03	[-0.098, 0.153]	0.671
Bachelor's/post graduate degree	-0.07	[-0.181, 0.032]	0.170	-0.03	[-0.215, 0.145]	0.705
<b>Tried to contact PCP before going to ER (2017)</b>						
No/don't know					Reference	
Yes				0.16	[0.028, 0.299]	0.018
<b>Constant</b>	1.51	[1.388, 1.639]	0.000	1.62	[1.396, 1.853]	0.000
N	2,346			750		
F-value						
Model degrees of freedom						
Residual degrees of freedom	2,334.000			738.000		
F-value significance	2,334.000			738.000		

**Notes:** Multiple Poisson regression. For homeless in the last 12 months, and number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis. For tried to contact PCP before going to ER, respondents who answered "N/A" were excluded from the analysis.

**5.2.5 Regular source of care is ER or urgent care in last 12 months (2017) by PCP visit in past 12 months (2017), among respondents still enrolled**

PCP visit in past 12 months (2017)	Regular source of care is the ER or urgent care in last 12 months (2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
Yes (n=1,998)	2.4	[1.7, 3.5]	97.6	[96.5, 98.3]	100.0
No/don't know (n=274)	15.0	[10.1, 21.6]	85.0	[78.4, 89.9]	100.0
<b>Total (n=2,272)</b>	<b>4.2</b>	<b>[3.2, 5.5]</b>	<b>95.8</b>	<b>[94.5, 96.8]</b>	<b>100.0</b>
Pearson: Uncorrected chi2(1) =	143.0519				
Design-based F(1.00, 2969.00) =	56.2172	Pr =	0.000		

Notes:  $\chi^2$  test of independence.  $\phi=0.22$ .

**5.2.6 Regular source of care is not the ER in last 12 months (2016, 2017, change 2016-2017), among respondents still enrolled, respondents still enrolled with a chronic condition, respondents still enrolled with a mental health condition and/or substance use disorder, respondents still enrolled with a mental health condition, and respondents still enrolled with a substance use disorder**

	Regular source of care is not the ER in last 12 months						Delta Percent
	Percent	2016 95%CI	N	Percent	2017 95%CI	N	
<b>Among respondents still enrolled</b>							
Regular source of care is not the ER	98.7	[98.0, 99.1]	2,237	97.4	[96.1, 98.3]	2,222	-1.3
Regular source of care is the ER	1.3	[0.9, 2.0]	30	2.6	[1.7, 3.9]	34	
<b>Among respondents still enrolled with a chronic condition (2016 or 2017 survey and/or DW)</b>							
Regular source of care is not the ER	98.7	[97.9, 99.2]	1,835	97.4	[95.8, 98.4]	1,829	-1.3
Regular source of care is the ER	1.3	[0.8, 2.1]	25	2.6	[1.6, 4.2]	26	
<b>Among respondents still enrolled with a mental health condition and/or substance use disorder (DW)</b>							
Regular source of care is not the ER	98.4	[97.3, 99.1]	1,307	97.1	[95.0, 98.3]	1,292	-1.3
Regular source of care is the ER	1.6	[0.9, 2.7]	19	2.9	[1.7, 5.0]	22	
<b>Among respondents still enrolled with a mental health condition (DW)</b>							
Regular source of care is not the ER	98.3	[97.0, 99.0]	1,184	97.8	[96.2, 98.7]	1,169	-0.5
Regular source of care is the ER	1.7	[1.0, 3.0]	18	2.2	[1.3, 3.8]	18	
<b>Among respondents still enrolled with a substance use disorder (DW)</b>							
Regular source of care is not the ER	98.7	[98.0, 99.1]	2,237	97.4	[96.1, 98.3]	2,222	-1.3
Regular source of care is the ER	1.3	[0.9, 2.0]	30	2.6	[1.7, 3.9]	34	

Notes: Regular source of care is not the ER in last 12 months was defined as respondents who reported that their regular source of care is a clinic, doctor's office, urgent care, walk-in clinic, other type of place, or don't know.

## 5.2.7 Regular source of care is not the ER (2017) by follow-up group, among chronic condition subgroups

	Regular source of care is not the ER				Total Row%
	No Row%	95%CI	Yes Row%	95%CI	
<b>Among respondents with asthma (2016 or 2017 survey and/or DW)</b>					
Still enrolled (n=597)	6.3	[3.6, 10.8]	93.7	[89.2, 96.4]	100.0
No longer enrolled (n=156)	2.3	[0.8, 6.3]	97.7	[93.7, 99.2]	100.0
<b>Among respondents with arthritis (2016 or 2017 survey and/or DW)</b>					
Still enrolled (n=1,057)	3.5	[2.3, 5.1]	96.5	[94.9, 97.7]	100.0
No longer enrolled (n=258)	3.4	[1.5, 7.1]	96.6	[92.9, 98.5]	100.0
<b>Among respondents with cancer (2016 or 2017 survey and/or DW)</b>					
Still enrolled (n=208)	1.4	[0.4, 5.0]	98.6	[95.0, 99.6]	100.0
No longer enrolled (n=59)	0.0		100.0		100.0
<b>Among respondents with COPD (2016 or 2017 survey and/or DW)</b>					
Still enrolled (n=652)	4.2	[2.3, 7.5]	95.8	[92.5, 97.7]	100.0
No longer enrolled (n=163)	4.3	[1.8, 9.5]	95.7	[90.5, 98.2]	100.0
<b>Among respondents with diabetes (2016 or 2017 survey and/or DW)</b>					
Still enrolled (n=549)	2.5	[1.3, 4.8]	97.5	[95.2, 98.7]	100.0
No longer enrolled (n=124)	5.8	[2.3, 13.8]	94.2	[86.2, 97.7]	100.0
<b>Among respondents with hypertension (2016 or 2017 survey and/or DW)</b>					
Still enrolled (n=1,171)	2.9	[1.9, 4.5]	97.1	[95.5, 98.1]	100.0
No longer enrolled (n=292)	4.8	[2.7, 8.6]	95.2	[91.4, 97.3]	100.0
<b>Among respondents with heart disease (2016 or 2017 survey and/or DW)</b>					
Still enrolled (n=444)	4.7	[2.6, 8.6]	95.3	[91.4, 97.4]	100.0
No longer enrolled (n=124)	4.6	[1.8, 11.1]	95.4	[88.9, 98.2]	100.0
<b>Total (n=2,256)</b>	<b>4.0</b>	<b>[2.9, 5.4]</b>	<b>96.0</b>	<b>[94.6, 97.1]</b>	<b>100.0</b>

### 5.3 Dental visit

#### 5.3.1 Any dental visit by follow-up group, among all respondents

	Any dental visit (DW)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	67.4	[64.9, 69.8]	32.6	[30.2, 35.1]	100.0
No longer enrolled (n=709)	65.3	[60.8, 69.6]	34.7	[30.4, 39.2]	100.0
Pearson: Uncorrected chi2(1) =	1.0463				
Design-based F(1.00, 3085.00) =	0.6479	Pr =	0.421		
<b>Total (n=3,097)</b>	<b>66.9</b>	<b>[64.7, 69.0]</b>	<b>33.1</b>	<b>[31.0, 35.3]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.

#### 5.3.2 Any dental visit by knowledge that dental care is covered (2017), among respondents still enrolled

	Any dental visit (DW)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Knowledge that dental care is covered (2017)</b>					
Yes (n=1,957)	74.7	[72.0, 77.1]	25.3	[22.9, 28.0]	100.0
No/don't know (n=431)	35.1	[29.7, 41.0]	64.9	[59.0, 70.3]	100.0
Pearson: Uncorrected chi2(1) =	330.4573				
Design-based F(1.00, 3085.00) =	154.3633	Pr =	0.000		
<b>Total (n=2,388)</b>	<b>67.4</b>	<b>[64.9, 69.8]</b>	<b>32.6</b>	<b>[30.2, 35.1]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.  $\phi = 0.33$

### 5.3.3 Predictors of any dental visit, among respondents still enrolled

	Any dental visit (DW)		
	aOR	95% CI	p-value
<b>Knowledge that dental care is covered (2017)</b>			
No/don't know		Reference	
Yes	5.46	[4.075, 7.312]	0.000
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.22	[0.894, 1.664]	0.211
51-64	0.94	[0.700, 1.263]	0.681
<b>Gender (DW)</b>			
Male		Reference	
Female	1.41	[1.098, 1.801]	0.007
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.79	[0.582, 1.071]	0.128
Hispanic	0.99	[0.601, 1.635]	0.972
Other, non-Hispanic	1.19	[0.744, 1.896]	0.472
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.89	[0.676, 1.174]	0.412
100%+	0.94	[0.701, 1.271]	0.701
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.29	[0.986, 1.676]	0.063
Bachelor's/post graduate degree	1.22	[0.816, 1.815]	0.336
<b>Constant</b>	0.42	[0.277, 0.649]	0.000
N	2,353		
F-value	12.785		
Model degrees of freedom	11.000		
Residual degrees of freedom	2,341.000		
F-value significance	0.000		

Notes: Multiple logistic regression.

## 5.4 Tried to contact PCP before going to ER (2017)

### 5.4.1 Tried to contact PCP before going to ER (2017) by PCP visit in past 12 months (2017), among respondents still enrolled

PCP visit in past 12 months (2017)	Tried to contact PCP before going to ER (2017)				Total Row%
	Yes Row%	95%CI	No/don't know Row%	95%CI	
Yes (n=674)	21.3	[17.8, 25.4]	78.7	[74.6, 82.2]	100.0
No/don't know (n=64)	8.4	[3.7, 18.1]	91.6	[81.9, 96.3]	100.0
<b>Total (n=738)</b>	20.1	[16.8, 23.9]	79.9	[76.1, 83.2]	100.0
Pearson: Uncorrected chi2(1) =	13.0652				
Design-based F(1.00, 1435.00) =	5.9645	Pr =	0.015		

**Notes:**  $\chi^2$  test of independence. For tried to contact PCP before going to ER, respondents who answered "N/A" were excluded from the analysis.  $\phi = 0.10$ .

#### 5.4.2 Predictors of tried to contact PCP before going to the ER (2017), among respondents still enrolled

	Tried to contact PCP before going to ER (2017)		
	aOR	95% CI	p-value
<b>PCP visit in past 12 months (2017)</b>			
No/don't know		Reference	
Yes	2.61	[0.977, 6.950]	0.056
<b>Number of chronic conditions (DW)</b>	1.10	[0.959, 1.259]	0.176
<b>Homeless in the last 12 months (2017)</b>			
Yes		Reference	
No	0.54	[0.252, 1.164]	0.116
<b>Number of places lived in past 3 years (2017)</b>			
One		Reference	
Two	0.96	[0.554, 1.661]	0.881
Three	0.37	[0.137, 1.010]	0.052
Four or more	0.83	[0.294, 2.359]	0.730
<b>Mental health condition and/or substance use disorder (DW)</b>			
No		Reference	
Yes	0.95	[0.568, 1.582]	0.837
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.08	[0.597, 1.967]	0.790
51-64	1.14	[0.612, 2.135]	0.675
<b>Gender (DW)</b>			
Male		Reference	
Female	2.18	[1.317, 3.592]	0.002
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.85	[0.488, 1.474]	0.559
Hispanic	1.34	[0.504, 3.551]	0.559
Other, non-Hispanic	2.11	[1.008, 4.407]	0.048
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.79	[0.475, 1.315]	0.364
100%+	1.13	[0.638, 1.994]	0.679
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.01	[0.616, 1.642]	0.983
Bachelor's/post graduate degree	2.80	[1.400, 5.582]	0.004
<b>Constant</b>	0.08	[0.025, 0.250]	0.000
N	727		
F-value	2.138		
Model degrees of freedom	17.000		
Residual degrees of freedom	715.000		
F-value significance	0.005		

**Notes:** Multiple logistic regression. For homeless in the last 12 months, and number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

## 5.5 ER visit (2016 or 2017)

### 5.5.1 ER visit (2016 or 2017) by follow-up group, among all respondents

	ER visit (2016 or 2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=2,388)	50.2	[47.6, 52.8]	49.8	[47.2, 52.4]	100.0
No longer enrolled (n=709)	44.1	[39.6, 48.8]	55.9	[51.2, 60.4]	100.0
Pearson: Uncorrected chi2(1) =	8.1077				
Design-based F(1.00, 3085.00) =	4.9585	Pr =	0.026		
<b>Total (n=3,097)</b>	<b>48.8</b>	<b>[46.5, 51.1]</b>	<b>51.2</b>	<b>[48.9, 53.5]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence.  $\phi = 0.05$ . ER visit had different wording between follow-up groups; for respondents still enrolled, the question asked was "During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"; for respondents no longer enrolled, the question asked was "Since your Healthy Michigan Plan insurance ended, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"

### 5.5.2 ER visit (2016 or 2017) by follow-up group, among respondents with a chronic condition

	ER visit (2016 or 2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=1,931)	54.8	[51.9, 57.7]	45.2	[42.3, 48.1]	100.0
No longer enrolled (n=538)	46.9	[41.7, 52.2]	53.1	[47.8, 58.3]	100.0
Pearson: Uncorrected chi2(1) =	13.1909				
Design-based F(1.00, 3085.00) =	6.6544	Pr =	0.010		
<b>Total (n=2,469)</b>	<b>53.1</b>	<b>[50.5, 55.6]</b>	<b>46.9</b>	<b>[44.4, 49.5]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence.  $\phi = 0.07$ . ER visit had different wording between follow-up groups; for respondents still enrolled, the question asked was "During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"; for respondents no longer enrolled, the question asked was "Since your Healthy Michigan Plan insurance ended, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"

**5.5.3 ER visit (2016 or 2017) by follow-up group, among respondents with a mental health condition and/or substance use disorder**

	ER visit (2016 or 2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=1,365)	63.2	[59.9, 66.4]	36.8	[33.6, 40.1]	100.0
No longer enrolled (n=384)	52.8	[46.7, 58.9]	47.2	[41.1, 53.3]	100.0
Pearson: Uncorrected chi2(1) =	23.6196				
Design-based F(1.00, 3085.00) =	8.8276	Pr =	0.003		
<b>Total (n=1,749)</b>	<b>60.9</b>	<b>[58.0, 63.8]</b>	<b>39.1</b>	<b>[36.2, 42.0]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.  $\phi = 0.09$ . ER visit had different wording between follow-up groups; for respondents still enrolled, the question asked was "During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"; for respondents no longer enrolled, the question asked was "Since your Healthy Michigan Plan insurance ended, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"

**5.5.4 ER visit (2016 or 2017) by follow-up group, among respondents with a chronic condition and a mental health condition and/or substance use disorder**

	ER visit (2016 or 2017)				Total Row%
	Yes Row%	95%CI	No Row%	95%CI	
<b>Follow-up group</b>					
Still enrolled (n=1,187)	65.3	[61.7, 68.6]	34.7	[31.4, 38.3]	100.0
No longer enrolled (n=317)	55.1	[48.5, 61.4]	44.9	[38.6, 51.5]	100.0
Pearson: Uncorrected chi2(1) =	22.0883				
Design-based F(1.00, 3085.00) =	7.7388	Pr =	0.005		
<b>Total (n=1,504)</b>	<b>63.2</b>	<b>[60.1, 66.2]</b>	<b>36.8</b>	<b>[33.8, 39.9]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.  $\phi = 0.08$ . ER visit had different wording between follow-up groups; for respondents still enrolled, the question asked was "During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"; for respondents no longer enrolled, the question asked was "Since your Healthy Michigan Plan insurance ended, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"

**5.5.5 Predictors of ER visit (2016 or 2017), among all respondents, respondents with a chronic condition, respondents with a mental health condition and/or substance use disorder, and respondents with a chronic condition and a mental health condition and/or substance use disorder**

	ER visit (2016 or 2017)			ER visit (2016 or 2017) <sup>a</sup>			ER visit (2016 or 2017) <sup>b</sup>			ER visit (2016 or 2017) <sup>c</sup>		
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Follow-up group</b>												
Still enrolled		Reference			Reference			Reference			Reference	
No longer enrolled	0.81	[0.649, 1.019]	0.072	0.74	[0.573, 0.956]	0.021	0.64	[0.473, 0.858]	0.003	0.64	[0.465, 0.886]	0.007
<b>Need help reading written materials (2016)</b>												
Sometimes/often/always		Reference			Reference			Reference			Reference	
Never/rarely	0.71	[0.537, 0.933]	0.014	0.71	[0.525, 0.950]	0.021	0.97	[0.682, 1.367]	0.845	0.99	[0.689, 1.410]	0.938
<b>Employed/self-employed (2017)</b>												
No		Reference			Reference			Reference			Reference	
Yes	0.77	[0.623, 0.953]	0.016	0.75	[0.591, 0.940]	0.013	0.83	[0.626, 1.101]	0.196	0.81	[0.594, 1.091]	0.162
<b>Fair/poor health (2017)</b>												
No		Reference			Reference			Reference			Reference	
Yes	1.70	[1.363, 2.121]	0.000	1.56	[1.234, 1.976]	0.000	1.42	[1.065, 1.906]	0.017	1.43	[1.056, 1.942]	0.021
<b>Discrimination due to English speaking ability (2016)</b>												
No		Reference			Reference			Reference			Reference	
Yes	1.47	[0.653, 3.307]	0.353	1.44	[0.583, 3.533]	0.431	1.46	[0.479, 4.427]	0.508	2.36	[0.609, 9.117]	0.214
<b>Discrimination due to race/ethnicity (2016)</b>												
No		Reference			Reference			Reference			Reference	
Yes	1.69	[0.953, 3.007]	0.072	1.41	[0.760, 2.607]	0.277	1.72	[0.827, 3.594]	0.146	1.41	[0.652, 3.028]	0.385
<b>Discrimination due to health insurance/ability to pay (2016)</b>												
No		Reference			Reference			Reference			Reference	
Yes	1.44	[1.068, 1.949]	0.017	1.52	[1.097, 2.115]	0.012	1.55	[1.070, 2.246]	0.020	1.49	[0.995, 2.235]	0.053
<b>Age (DW)</b>												
19-34		Reference			Reference			Reference			Reference	
35-50	0.73	[0.571, 0.932]	0.012	0.66	[0.490, 0.884]	0.005	0.70	[0.502, 0.965]	0.030	0.68	[0.472, 0.992]	0.045
51-64	0.53	[0.416, 0.668]	0.000	0.45	[0.337, 0.589]	0.000	0.50	[0.361, 0.701]	0.000	0.46	[0.321, 0.673]	0.000
<b>Gender (DW)</b>												
Male		Reference			Reference			Reference			Reference	
Female	1.47	[1.206, 1.787]	0.000	1.39	[1.110, 1.728]	0.004	1.46	[1.130, 1.889]	0.004	1.46	[1.105, 1.938]	0.008
<b>Race/ethnicity (2016)</b>												
White, non-Hispanic		Reference			Reference			Reference			Reference	
Black, non-Hispanic	1.28	[1.010, 1.622]	0.041	1.24	[0.958, 1.617]	0.102	1.55	[1.094, 2.187]	0.014	1.51	[1.055, 2.167]	0.024
Hispanic	1.04	[0.664, 1.630]	0.864	0.86	[0.501, 1.475]	0.583	1.02	[0.568, 1.843]	0.939	0.74	[0.379, 1.430]	0.366
Other, non-Hispanic	1.03	[0.724, 1.456]	0.881	1.12	[0.746, 1.696]	0.574	1.38	[0.844, 2.253]	0.200	1.98	[1.154, 3.407]	0.013
<b>FPL category (DW)</b>												
0-35%		Reference			Reference			Reference			Reference	
36-99%	0.85	[0.680, 1.063]	0.155	0.93	[0.724, 1.193]	0.565	0.79	[0.587, 1.056]	0.110	0.82	[0.594, 1.127]	0.219
100%+	0.94	[0.740, 1.203]	0.639	1.09	[0.829, 1.438]	0.531	0.99	[0.716, 1.361]	0.937	1.10	[0.773, 1.570]	0.593
<b>Highest level of education (2017)</b>												
High school or less		Reference			Reference			Reference			Reference	
Associate's degree/some college	0.99	[0.800, 1.224]	0.924	0.93	[0.733, 1.175]	0.534	0.92	[0.695, 1.208]	0.535	0.88	[0.653, 1.184]	0.396
Bachelor's/post graduate degree	0.57	[0.421, 0.768]	0.000	0.64	[0.448, 0.912]	0.014	0.67	[0.437, 1.023]	0.064	0.73	[0.446, 1.182]	0.197
<b>Constant</b>	1.46	[1.016, 2.096]	0.041	2.00	[1.330, 2.995]	0.001	1.79	[1.115, 2.889]	0.016	1.98	[1.185, 3.293]	0.009
N	3,035			2,423			1,716			1,475		
F-value	7.165			5.821			3.644			3.612		
Model degrees of freedom	17.000			17.000			17.000			17.000		
Residual degrees of freedom	3,023.000			2,411.000			1,704.000			1,463.000		
F-value significance	0.000			0.000			0.000			0.000		

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**Notes:** Multiple logistic regression. ER visit had different wording between follow-up groups; for respondents still enrolled, the question asked was "During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?" for respondents no longer enrolled, the question asked was "Since your Healthy Michigan Plan insurance ended, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"

<sup>a</sup> Analysis restricted to those with a chronic condition

<sup>b</sup> Analysis restricted to those with a mental health condition and/or substance use disorder

<sup>c</sup> Analysis restricted to those with a chronic condition and a mental health condition and/or substance use disorder

## 5.6 ER visits

### 5.6.1 All ER visits (Period 3) by demographics, employment (2017), fair/poor health (2017), and health literacy (2016), among respondents still enrolled

	No ER visits		All ER visits (DW, Period 3)				Total Row%
	Row%	95%CI	1-4 ER visits Row%	95%CI	5+ ER visits Row%	95%CI	
<b>FPL category (DW)</b>							
0-35% (n=1,001)	61.2	[57.3, 64.9]	33.3	[29.8, 37.1]	5.5	[3.8, 7.8]	100.0
36-99% (n=824)	67.0	[62.9, 70.8]	31.2	[27.4, 35.2]	1.8	[1.0, 3.5]	100.0
100%+ (n=563)	64.3	[59.5, 68.8]	33.9	[29.4, 38.6]	1.8	[0.9, 3.6]	100.0
Pearson: Uncorrected chi2(4) =	30.2227						
Design-based F(3.89, 11988.44) =	4.5286	Pr =	0.001				
<b>Region (DW)</b>							
UP/NW/NE (n=450)	66.0	[60.8, 70.9]	31.3	[26.5, 36.5]	2.7	[1.5, 4.8]	100.0
W/E Central/E (n=777)	63.4	[59.4, 67.3]	33.2	[29.4, 37.2]	3.4	[2.1, 5.4]	100.0
S Central/SW/SE (n=464)	60.8	[55.6, 65.8]	34.3	[29.5, 39.5]	4.8	[2.8, 8.2]	100.0
Detroit Metro (n=697)	63.5	[58.9, 67.9]	32.4	[28.3, 36.9]	4.1	[2.4, 6.9]	100.0
Pearson: Uncorrected chi2(6) =	4.5217						
Design-based F(4.97, 15332.89) =	0.4220	Pr =	0.833				
<b>Age (DW)</b>							
19-34 (n=664)	61.3	[56.5, 65.8]	32.6	[28.4, 37.2]	6.1	[4.1, 9.2]	100.0
35-50 (n=760)	60.0	[55.5, 64.3]	36.3	[32.1, 40.7]	3.8	[2.2, 6.3]	100.0
51-64 (n=964)	69.7	[66.0, 73.2]	29.1	[25.7, 32.8]	1.1	[0.6, 2.2]	100.0
Pearson: Uncorrected chi2(4) =	48.2802						
Design-based F(3.63, 11206.88) =	5.6809	Pr =	0.000				
<b>Gender (DW)</b>							
Male (n=933)	68.2	[64.3, 71.8]	29.3	[25.8, 33.1]	2.5	[1.6, 3.8]	100.0
Female (n=1,455)	59.0	[55.7, 62.3]	35.9	[32.8, 39.2]	5.0	[3.4, 7.4]	100.0
Pearson: Uncorrected chi2(2) =	33.4034						
Design-based F(2.00, 6165.72) =	7.4868	Pr =	0.001				
<b>Race/ethnicity (2016)</b>							
White, non-Hispanic (n=1,603)	65.8	[62.7, 68.8]	30.1	[27.3, 33.0]	4.1	[2.7, 6.2]	100.0
Black, non-Hispanic (n=479)	55.3	[49.7, 60.8]	40.9	[35.5, 46.6]	3.7	[2.2, 6.2]	100.0
Hispanic (n=100)	62.2	[50.6, 72.7]	34.7	[24.7, 46.4]	3.0	[1.1, 8.1]	100.0
Other, non-Hispanic (n=176)	71.2	[62.8, 78.4]	25.8	[19.0, 33.9]	3.0	[1.0, 8.5]	100.0
Pearson: Uncorrected chi2(6) =	38.7091						
Design-based F(5.75, 17566.18) =	3.0269	Pr =	0.007				
<b>Highest level of education (2017)</b>							
High school or less (n=1,268)	60.2	[56.7, 63.6]	35.4	[32.2, 38.9]	4.4	[3.0, 6.4]	100.0
Associate's degree/some college (n=836)	63.8	[59.4, 68.0]	32.8	[28.8, 37.1]	3.4	[1.9, 6.0]	100.0
Bachelor's/post graduate degree (n=279)	74.7	[68.0, 80.4]	22.1	[16.8, 28.4]	3.2	[1.4, 7.4]	100.0
Pearson: Uncorrected chi2(4) =	27.6090						
Design-based F(3.82, 11766.47) =	2.9142	Pr =	0.022				
<b>Employed/self-employed (2017)</b>							
Yes (n=1,319)	66.4	[63.0, 69.7]	30.5	[27.3, 33.8]	3.1	[1.9, 5.2]	100.0
No (n=1,066)	59.2	[55.4, 62.9]	36.0	[32.4, 39.7]	4.8	[3.4, 6.8]	100.0
Pearson: Uncorrected chi2(2) =	19.1647						
Design-based F(1.93, 5954.49) =	3.6622	Pr =	0.027				
<b>Fair/poor health (2017)</b>							
Yes (n=670)	51.8	[47.1, 56.5]	42.5	[37.9, 47.2]	5.7	[3.8, 8.5]	100.0
No (n=1,718)	67.5	[64.5, 70.4]	29.3	[26.6, 32.2]	3.2	[2.1, 4.9]	100.0
Pearson: Uncorrected chi2(2) =	66.5091						
Design-based F(1.96, 6051.13) =	14.2970	Pr =	0.000				
<b>Need help reading written materials (2016)</b>							
Never/rarely (n=2,041)	65.0	[62.3, 67.7]	31.1	[28.6, 33.8]	3.8	[2.7, 5.3]	100.0
Sometimes/often/always (n=344)	53.8	[47.2, 60.3]	42.1	[35.8, 48.7]	4.1	[2.0, 8.0]	100.0
Pearson: Uncorrected chi2(2) =	23.1005						
Design-based F(1.98, 6111.29) =	4.8895	Pr =	0.008				
<b>Total (n=2,388)</b>	<b>63.3</b>	<b>[60.7, 65.7]</b>	<b>32.9</b>	<b>[30.5, 35.3]</b>	<b>3.9</b>	<b>[2.9, 5.2]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.

**5.6.2 All ER visits (Period 3) by change in mental health status (2017), PCP appointment ease (2017), and forgone health care in last 12 months (2017), among respondents still enrolled**

	No ER visits		All ER visits (DW, Period 3)		5+ ER visits		Total Row%
	Row%	95%CI	1-4 ER visits Row%	95%CI	Row%	95%CI	
<b>Change in mental health (2017)</b>							
Gotten better (n=637)	62.2	[57.1, 67.0]	33.6	[29.0, 38.5]	4.3	[2.3, 7.7]	100.0
Stayed the same/don't know (n=1,450)	65.6	[62.3, 68.7]	31.2	[28.2, 34.3]	3.3	[2.1, 5.0]	100.0
Gotten worse (n=299)	54.7	[47.5, 61.7]	39.4	[32.7, 46.5]	5.9	[3.5, 9.8]	100.0
Pearson: Uncorrected chi2(4) =	19.1497						
Design-based F(3.79, 11675.99) =	1.9720	Pr =	0.100				
<b>PCP appointment ease (2017)</b>							
Very easy/easy/neutral/don't know (n=2,033)	62.8	[60.0, 65.5]	33.0	[30.4, 35.7]	4.2	[3.0, 5.8]	100.0
Difficult/very difficult (n=197)	50.6	[42.1, 59.1]	45.5	[37.2, 54.1]	3.9	[1.8, 7.9]	100.0
Pearson: Uncorrected chi2(2) =	16.4705						
Design-based F(1.97, 5771.80) =	4.5733	Pr =	0.011				
<b>Forgone health care in last 12 months (2017)</b>							
Yes (n=183)	45.5	[36.8, 54.5]	45.1	[36.3, 54.1]	9.4	[4.8, 17.5]	100.0
No/don't know (n=2,204)	64.7	[62.1, 67.3]	31.9	[29.4, 34.4]	3.4	[2.4, 4.8]	100.0
Pearson: Uncorrected chi2(2) =	45.3454						
Design-based F(1.95, 6002.68) =	9.5854	Pr =	0.000				
<b>Total (n=2,388)</b>	<b>63.3</b>	<b>[60.7, 65.7]</b>	<b>32.9</b>	<b>[30.5, 35.3]</b>	<b>3.9</b>	<b>[2.9, 5.2]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. For PCP appointment ease, respondents who answered "N/A" were excluded from the analysis.

### 5.6.3 Number of ER visits by period, among respondents still enrolled

	Number of ER visits (DW)			N
	Mean	SE	95%CI	
<b>Period of enrollment (DW)</b>				
Period 1	0.8	0.07	[0.7, 0.9]	2,388
Period 2	1.0	0.06	[0.9, 1.1]	2,388
Period 3	0.8	0.06	[0.7, 1.0]	2,388

Notes: Periods refer to 12 month windows during the time enrolled in HMP. Please refer to Appendix C for full definition.

### 5.6.4 Number of ER visits by period, among respondents no longer enrolled

	Number of ER visits (DW)			N
	Mean	SE	95%CI	
<b>Period of enrollment (DW)</b>				
Period 1	0.7	0.06	[0.6, 0.9]	709
Period 2	1.0	0.08	[0.8, 1.1]	709
Period 3	0.6	0.07	[0.5, 0.8]	709

Notes: Periods refer to 12 month windows during the time enrolled in HMP. Please refer to Appendix C for full definition.

### 5.6.5 Predictors of the number of ER visits , among respondents still enrolled

	Number of ER visits			Number of ER visits			Number of ER visits		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>Period of enrollment</b>									
Period 1		Reference			Reference			Reference	
Period 2	0.22	[0.086, 0.363]	0.001	0.22	[0.086, 0.363]	0.001	0.22	[0.086, 0.363]	0.001
Period 3	0.07	[-0.085, 0.222]	0.382	0.07	[-0.085, 0.222]	0.382	0.07	[-0.085, 0.222]	0.382
<b>Need help reading written materials (2016)</b>									
Sometimes/often/always		Reference			Reference			Reference	
Never/rarely	-0.20	[-0.407, 0.008]	0.059	-0.18	[-0.389, 0.022]	0.081	-0.20	[-0.408, 0.012]	0.065
<b>Fair/poor health (2017)</b>									
No		Reference			Reference			Reference	
Yes	0.58	[0.407, 0.756]	0.000	0.53	[0.357, 0.703]	0.000	0.55	[0.378, 0.732]	0.000
<b>Employed/self-employed (2017)</b>									
No		Reference			Reference			Reference	
Yes	-0.25	[-0.436,- 0.057]	0.011	-0.22	[-0.413,- 0.032]	0.022	-0.23	[-0.418,- 0.038]	0.019
<b>Age (DW)</b>									
19-34		Reference			Reference			Reference	
35-50	-0.25	[-0.469,- 0.025]	0.029	-0.24	[-0.462,- 0.022]	0.031	-0.27	[-0.490,- 0.044]	0.019
51-64	-0.83	[-1.047,- 0.623]	0.000	-0.83	[-1.037,- 0.620]	0.000	-0.86	[-1.077,- 0.652]	0.000
<b>Gender (DW)</b>									
Male		Reference			Reference			Reference	
Female	0.42	[0.240, 0.607]	0.000	0.42	[0.237, 0.601]	0.000	0.36	[0.177, 0.543]	0.000
<b>Race/ethnicity (2016)</b>									
White, non-Hispanic		Reference			Reference			Reference	
Black, non-Hispanic	0.36	[0.166, 0.555]	0.000	0.36	[0.170, 0.560]	0.000	0.39	[0.193, 0.581]	0.000
Hispanic	0.04	[-0.423, 0.510]	0.854	0.04	[-0.420, 0.498]	0.868	0.05	[-0.412, 0.520]	0.820
Other, non-Hispanic	-0.03	[-0.362, 0.302]	0.858	-0.03	[-0.363, 0.296]	0.841	-0.01	[-0.339, 0.310]	0.929
<b>FPL category (DW)</b>									
0-35%		Reference			Reference			Reference	
36-99%	-0.29	[-0.499,- 0.078]	0.007	-0.27	[-0.475,- 0.055]	0.013	-0.31	[-0.519,- 0.101]	0.004
100%+	-0.19	[-0.411, 0.038]	0.103	-0.18	[-0.407, 0.040]	0.108	-0.22	[-0.438, 0.007]	0.058
<b>Highest level of education (2017)</b>									
High school or less		Reference			Reference			Reference	
Associate's degree/some college	-0.13	[-0.324, 0.064]	0.188	-0.14	[-0.337, 0.052]	0.150	-0.16	[-0.352, 0.033]	0.104
Bachelor's/post graduate degree	-0.61	[-0.914,- 0.305]	0.000	-0.65	[-0.950,- 0.345]	0.000	-0.64	[-0.939,- 0.338]	0.000
<b>Forgone health care in last 12 months (2017)</b>									
No/don't know					Reference				
Yes				0.55	[0.291, 0.810]	0.000			
<b>Any PCP visit (DW)</b>									
No								Reference	
Yes							0.77	[0.361, 1.177]	0.000
<b>Constant</b>	-0.74	[-1.033,- 0.455]	0.000	-0.80	[-1.082,- 0.512]	0.000	-1.40	[-1.857,- 0.941]	0.000
<b>Respondent</b>	1.53	[1.305, 1.763]	0.000	1.51	[1.280, 1.739]	0.000	1.50	[1.279, 1.726]	0.000
N	7,041			7,038			7,041		
F-value	16.180			16.821			16.206		
Model degrees of freedom	15.000			16.000			16.000		
Residual degrees of freedom	2,335.000			2,334.000			2,335.000		
F-value significance	0.000			0.000			0.000		

Notes: Mixed effects Poisson model. Periods refer to 12 month windows during the time enrolled in HMP. Please refer to Appendix C for full definition.

## 5.6.6 Predictors of the number of ER visits, among respondents no longer enrolled

	Number of ER visits			Number of ER visits			Number of ER visits			Number of ER visits		
	Coef.	95% CI	p-value									
<b>Period of enrollment (DW)</b>												
Period 1		Reference			Reference			Reference			Reference	
Period 2	0.31	[0.150, 0.465]	0.000	0.31	[0.150, 0.465]	0.000	0.31	[0.150, 0.465]	0.000	0.31	[0.150, 0.465]	0.000
Period 3	-0.16	[-0.395, 0.084]	0.203	-0.16	[-0.395, 0.084]	0.203	-0.16	[-0.395, 0.084]	0.203	-0.16	[-0.395, 0.084]	0.203
<b>Need help reading written materials (2016)</b>												
Sometimes/often/always		Reference			Reference			Reference			Reference	
Never/rarely	-0.26	[-0.656, 0.130]	0.189	-0.20	[-0.587, 0.192]	0.320	-0.18	[-0.564, 0.203]	0.355	-0.27	[-0.662, 0.124]	0.180
<b>Fair/poor health (2017)</b>												
No		Reference			Reference			Reference			Reference	
Yes	0.46	[0.145, 0.777]	0.004	0.47	[0.155, 0.779]	0.003	0.39	[0.080, 0.702]	0.014	0.45	[0.129, 0.761]	0.006
<b>Employed/self-employed (2017)</b>												
No		Reference			Reference			Reference			Reference	
Yes	-0.21	[-0.517, 0.092]	0.171	-0.21	[-0.508, 0.087]	0.166	-0.22	[-0.517, 0.083]	0.156	-0.22	[-0.522, 0.088]	0.163
<b>Age (DW)</b>												
19-34		Reference			Reference			Reference			Reference	
35-50	-0.20	[-0.533, 0.127]	0.227	-0.21	[-0.532, 0.120]	0.216	-0.21	[-0.528, 0.113]	0.204	-0.20	[-0.533, 0.129]	0.231
51-64	-0.64	[-0.979, -0.311]	0.000	-0.65	[-0.982, -0.322]	0.000	-0.56	[-0.906, -0.223]	0.001	-0.64	[-0.973, -0.303]	0.000
<b>Gender (DW)</b>												
Male		Reference			Reference			Reference			Reference	
Female	0.58	[0.284, 0.868]	0.000	0.61	[0.317, 0.893]	0.000	0.65	[0.360, 0.936]	0.000	0.58	[0.286, 0.870]	0.000
<b>Race/ethnicity (2016)</b>												
White, non-Hispanic		Reference			Reference			Reference			Reference	
Black, non-Hispanic	0.04	[-0.282, 0.369]	0.792	-0.02	[-0.347, 0.309]	0.909	0.03	[-0.300, 0.365]	0.849	0.07	[-0.258, 0.395]	0.681
Hispanic	-0.10	[-0.633, 0.427]	0.702	-0.14	[-0.673, 0.402]	0.621	-0.14	[-0.675, 0.385]	0.592	-0.09	[-0.625, 0.436]	0.727
Other, non-Hispanic	-0.14	[-0.700, 0.428]	0.636	-0.24	[-0.793, 0.307]	0.385	-0.23	[-0.761, 0.308]	0.405	-0.12	[-0.682, 0.445]	0.680
<b>FPL category (DW)</b>												
0-35%		Reference			Reference			Reference			Reference	
36-99%	-0.11	[-0.438, 0.226]	0.531	-0.15	[-0.475, 0.181]	0.378	-0.17	[-0.505, 0.157]	0.303	-0.09	[-0.427, 0.241]	0.585
100%+	-0.29	[-0.640, 0.069]	0.114	-0.32	[-0.671, 0.029]	0.072	-0.34	[-0.692, 0.018]	0.063	-0.29	[-0.641, 0.063]	0.107
<b>Highest level of education (2017)</b>												
High school or less		Reference			Reference			Reference			Reference	
Associate's degree/some college	-0.22	[-0.522, 0.089]	0.165	-0.15	[-0.455, 0.160]	0.345	-0.16	[-0.462, 0.141]	0.296	-0.23	[-0.536, 0.075]	0.140
Bachelor's/post graduate degree	-1.05	[-1.547, -0.548]	0.000	-0.96	[-1.462, -0.453]	0.000	-0.87	[-1.376, -0.371]	0.001	-1.05	[-1.551, -0.552]	0.000
<b>Go to ER because they can't deny care (2017)</b>												
Yes				0.21	[0.087, 0.329]	0.001						
<b>Go to ER because it's the only place to get care (2017)</b>							0.24	[0.129, 0.350]	0.000			
<b>Forgone health care since HMP coverage ended (2017)</b>												
No/don't know											Reference	
Yes										0.19	[-0.155, 0.525]	0.285
<b>Constant</b>	-0.62	[-1.138, -0.101]	0.019	-1.18	[-1.808, -0.543]	0.000	-1.36	[-2.007, -0.721]	0.000	-0.65	[-1.174, -0.128]	0.015
<b>Respondent</b>	1.40	[1.095, 1.700]	0.000	1.34	[1.049, 1.633]	0.000	1.32	[1.043, 1.606]	0.000	1.40	[1.093, 1.699]	0.000
N	2,091			2,088			2,088			2,091		
F-value	6.746			7.538			8.034			6.317		
Model degrees of freedom	15.000			16.000			16.000			16.000		
Residual degrees of freedom	685.000			684.000			684.000			685.000		
F-value significance	0.000			0.000			0.000			0.000		

Notes: Mixed effects Poisson model. Periods refer to 12 month windows during the time enrolled in HMP. Please refer to Appendix C for full definition.

### 5.6.7 Number of ER visits by period, among respondents with a chronic condition

	Number of ER visits (DW)			N
	Mean	SE	95%CI	
<b>Period of enrollment (DW)</b>				
Period 1	0.9	0.07	[0.7, 1.0]	2,469
Period 2	1.1	0.07	[1.0, 1.3]	2,469
Period 3	0.9	0.06	[0.8, 1.0]	2,469

Notes: Periods refer to 12 month windows during the time enrolled in HMP. Please refer to Appendix C for full definition.

### 5.6.8 Number of ER visits by period, among respondents with a mental health condition and/or substance use disorder

	Number of ER visits (DW)			N
	Mean	SE	95%CI	
<b>Period of enrollment (DW)</b>				
Period 1	1.1	0.09	[0.9, 1.3]	1,749
Period 2	1.4	0.09	[1.2, 1.6]	1,749
Period 3	1.1	0.08	[1.0, 1.3]	1,749

Notes: Periods refer to 12 month windows during the time enrolled in HMP. Please refer to Appendix C for full definition.

### 5.6.9 Number of ER visits by period, among respondents with a chronic condition and a mental health condition and/or substance use disorder

	Number of ER visits (DW)			N
	Mean	SE	95%CI	
<b>Period of enrollment (DW)</b>				
Period 1	1.2	0.11	[1.0, 1.4]	1,504
Period 2	1.5	0.10	[1.3, 1.7]	1,504
Period 3	1.2	0.09	[1.0, 1.4]	1,504

Notes: Periods refer to 12 month windows during the time enrolled in HMP. Please refer to Appendix C for full definition.

**5.6.10 Low complexity ER visits (Period 3) by demographics, employment (2017), fair/poor health (2017), and health literacy (2016), among respondents still enrolled**

	Low complexity ER visits (DW, Period 3)				Total Row%
	No ER visits Row%	95%CI	1-4 ER visits Row%	95%CI	
<b>FPL category (DW)</b>					
0-35% (n=1,001)	97.0	[95.2, 98.2]	3.0	[1.8, 4.8]	100.0
36-99% (n=824)	98.1	[96.6, 98.9]	1.9	[1.1, 3.4]	100.0
100%+ (n=563)	98.1	[96.5, 99.0]	1.9	[1.0, 3.5]	100.0
Pearson: Uncorrected chi2(2) =	3.7402				
Design-based F(1.88, 5809.39) =	1.1808	Pr =	0.305		
<b>Region (DW)</b>					
UP/NW/NE (n=450)	97.5	[95.5, 98.6]	2.5	[1.4, 4.5]	100.0
W/E Central/E (n=777)	97.6	[95.6, 98.7]	2.4	[1.3, 4.4]	100.0
S Central/SW/SE (n=464)	98.1	[96.1, 99.0]	1.9	[1.0, 3.9]	100.0
Detroit Metro (n=697)	97.2	[95.0, 98.5]	2.8	[1.5, 5.0]	100.0
Pearson: Uncorrected chi2(3) =	1.1267				
Design-based F(2.44, 7525.47) =	0.2150	Pr =	0.848		
<b>Age (DW)</b>					
19-34 (n=664)	96.9	[94.8, 98.2]	3.1	[1.8, 5.2]	100.0
35-50 (n=760)	97.1	[94.7, 98.4]	2.9	[1.6, 5.3]	100.0
51-64 (n=964)	98.8	[97.8, 99.3]	1.2	[0.7, 2.2]	100.0
Pearson: Uncorrected chi2(2) =	8.1756				
Design-based F(1.74, 5365.31) =	1.9432	Pr =	0.149		
<b>Gender (DW)</b>					
Male (n=933)	98.1	[96.9, 98.8]	1.9	[1.2, 3.1]	100.0
Female (n=1,455)	97.0	[95.2, 98.1]	3.0	[1.9, 4.8]	100.0
Pearson: Uncorrected chi2(1) =	3.9901				
Design-based F(1.00, 3085.00) =	1.8060	Pr =	0.179		
<b>Race/ethnicity (2016)</b>					
White, non-Hispanic (n=1,603)	97.4	[95.8, 98.4]	2.6	[1.6, 4.2]	100.0
Black, non-Hispanic (n=479)	97.6	[95.4, 98.8]	2.4	[1.2, 4.6]	100.0
Hispanic (n=100)	99.0	[93.0, 99.9]	1.0	[0.1, 7.0]	100.0
Other, non-Hispanic (n=176)	97.5	[92.3, 99.2]	2.5	[0.8, 7.7]	100.0
Pearson: Uncorrected chi2(3) =	1.4137				
Design-based F(2.89, 8823.67) =	0.2203	Pr =	0.876		
<b>Highest level of education (2017)</b>					
High school or less (n=1,268)	97.7	[96.4, 98.5]	2.3	[1.5, 3.6]	100.0
Associate's degree/some college (n=836)	97.0	[94.3, 98.4]	3.0	[1.6, 5.7]	100.0
Bachelor's/post graduate degree (n=279)	98.5	[96.6, 99.3]	1.5	[0.7, 3.4]	100.0
Pearson: Uncorrected chi2(2) =	2.7946				
Design-based F(1.63, 5013.90) =	0.7194	Pr =	0.460		
<b>Employed/self-employed (2017)</b>					
Yes (n=1,319)	97.6	[96.0, 98.6]	2.4	[1.4, 4.0]	100.0
No (n=1,066)	97.4	[95.8, 98.4]	2.6	[1.6, 4.2]	100.0
Pearson: Uncorrected chi2(1) =	0.1968				
Design-based F(1.00, 3082.00) =	0.0759	Pr =	0.783		
<b>Fair/poor health (2017)</b>					
Yes (n=670)	97.1	[94.6, 98.4]	2.9	[1.6, 5.4]	100.0
No (n=1,718)	97.7	[96.4, 98.5]	2.3	[1.5, 3.6]	100.0
Pearson: Uncorrected chi2(1) =	0.7887				
Design-based F(1.00, 3085.00) =	0.3068	Pr =	0.580		
<b>Need help reading written materials (2016)</b>					
Never/rarely (n=2,041)	97.6	[96.5, 98.4]	2.4	[1.6, 3.5]	100.0
Sometimes/often/always (n=344)	96.8	[93.2, 98.5]	3.2	[1.5, 6.8]	100.0
Pearson: Uncorrected chi2(1) =	1.1738				
Design-based F(1.00, 3082.00) =	0.4697	Pr =	0.493		
<b>Total (n=2,388)</b>	<b>97.5</b>	<b>[96.4, 98.3]</b>	<b>2.5</b>	<b>[1.7, 3.6]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence.

**5.6.11 Low complexity ER visits (Period 3) by change in mental health status (2017), PCP appointment ease (2017), and forgone health care in last 12 months (2017), among respondents still enrolled**

	Low complexity ER visits (DW, Period 3)				Total Row%
	No ER visits		1-4 ER visits		
	Row%	95%CI	Row%	95%CI	
<b>Change in mental health (2017)</b>					
Gotten better (n=637)	97.0	[94.9, 98.2]	3.0	[1.8, 5.1]	100.0
Stayed the same/don't know (n=1,450)	97.7	[96.1, 98.7]	2.3	[1.3, 3.9]	100.0
Gotten worse (n=299)	97.7	[94.7, 99.0]	2.3	[1.0, 5.3]	100.0
Pearson: Uncorrected chi2(2) =	1.3879				
Design-based F(1.94, 5971.50) =	0.3244	Pr =	0.716		
<b>PCP appointment ease (2017)</b>					
Very easy/easy/neutral/don't know (n=2,033)	97.4	[96.1, 98.2]	2.6	[1.8, 3.9]	100.0
Difficult/very difficult (n=197)	97.7	[94.9, 99.0]	2.3	[1.0, 5.1]	100.0
Pearson: Uncorrected chi2(1) =	0.1102				
Design-based F(1.00, 2927.00) =	0.0944	Pr =	0.759		
<b>Forgone health care in last 12 months (2017)</b>					
Yes (n=183)	95.3	[88.3, 98.2]	4.7	[1.8, 11.7]	100.0
No/don't know (n=2,204)	97.7	[96.6, 98.4]	2.3	[1.6, 3.4]	100.0
Pearson: Uncorrected chi2(1) =	5.2130				
Design-based F(1.00, 3084.00) =	1.9124	Pr =	0.167		
<b>Total (n=2,388)</b>	<b>97.5</b>	<b>[96.4, 98.3]</b>	<b>2.5</b>	<b>[1.7, 3.6]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. For PCP appointment ease, respondents who answered "N/A" were excluded from the analysis.

### 5.6.12 Predictors of the number of low complexity ER visits, among respondents still enrolled

	Number of low complexity ER visits (DW)			Number of low complexity ER visits (DW)		
	Coef.	95% CI	p-value	Coef.	95% CI	p-value
<b>PCP visit in past 12 months (2017)</b>						
No/don't know		Reference				
Yes	0.59	[-0.188, 1.363]	0.137			
<b>Number of chronic conditions (DW)</b>	-0.00	[-0.217, 0.208]	0.969	0.00	[-0.240, 0.250]	0.968
<b>Homeless in the last 12 months (2017)</b>						
Yes		Reference			Reference	
No	-1.42	[-2.428,- 0.414]	0.006	-1.24	[-2.254,- 0.222]	0.017
<b>Number of places lived in past 3 years (2017)</b>						
One		Reference			Reference	
Two	0.85	[0.332, 1.368]	0.001	0.82	[0.280, 1.361]	0.003
Three	0.77	[-0.006, 1.536]	0.052	0.71	[-0.052, 1.475]	0.068
Four or more	0.06	[-0.908, 1.021]	0.908	0.22	[-0.677, 1.110]	0.635
<b>Mental health condition and/or substance use disorder (DW)</b>						
No		Reference			Reference	
Yes	0.60	[0.118, 1.090]	0.015	0.77	[0.260, 1.273]	0.003
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.18	[-0.551, 0.916]	0.625	0.23	[-0.508, 0.968]	0.541
51-64	-0.83	[-1.468,- 0.190]	0.011	-0.71	[-1.336,- 0.075]	0.028
<b>Gender (DW)</b>						
Male		Reference			Reference	
Female	0.55	[0.030, 1.067]	0.038	0.49	[0.000, 0.985]	0.050
<b>Race/ethnicity (2016)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	-0.13	[-0.750, 0.492]	0.685	-0.03	[-0.605, 0.547]	0.922
Hispanic	-0.35	[-1.452, 0.752]	0.533	-0.45	[-1.597, 0.691]	0.438
Other, non-Hispanic	0.30	[-0.518, 1.113]	0.475	0.22	[-0.593, 1.025]	0.601
<b>FPL category (DW)</b>						
0-35%		Reference			Reference	
36-99%	-0.42	[-0.936, 0.103]	0.116	-0.41	[-0.918, 0.098]	0.114
100%+	-0.04	[-0.565, 0.483]	0.878	-0.09	[-0.619, 0.431]	0.726
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	0.06	[-0.440, 0.560]	0.815	0.07	[-0.469, 0.609]	0.798
Bachelor's/post graduate degree	0.02	[-0.588, 0.622]	0.956	-0.00	[-0.594, 0.593]	0.998
<b>Number of PCP visits (DW)</b>						
Constant	-2.47	[-3.448,- 1.486]	0.000	-2.26	[-3.126,- 1.386]	0.000
N	2,235			2,349		
F-value						
Model degrees of freedom						
Residual degrees of freedom	2,223.000			2,337.000		
F-value significance	2,223.000			2,337.000		

**Notes:** Multiple Poisson regression. For homeless in the last 12 months, and number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

- 6 Aim 6: To understand why respondents lose or drop HMP coverage and what, if any, source of health insurance coverage they subsequently obtain.**

## 6.1 Follow-up group (2017)

### 6.1.1 Follow-up group by health literacy (2016), experience of homelessness (2017), and change in employment (from 2016-2017), among all respondents

	Still enrolled		Follow-up group No longer enrolled		Total Row%
	Row%	95%CI	Row%	95%CI	
<b>Need help reading written materials (2016)</b>					
Never/rarely (n=2,641)	76.8	[74.7, 78.8]	23.2	[21.2, 25.3]	100.0
Sometimes/often/always (n=453)	76.8	[71.6, 81.4]	23.2	[18.6, 28.4]	100.0
Pearson: Uncorrected chi2(1) =	0.0014				
Design-based F(1.00, 3082.00) =	0.0008	Pr =	0.977		
<b>Homeless in the last 12 months (2017)</b>					
Yes (n=195)	74.0	[65.5, 81.0]	26.0	[19.0, 34.5]	100.0
No (n=2,898)	77.1	[75.1, 78.9]	22.9	[21.1, 24.9]	100.0
Pearson: Uncorrected chi2(1) =	1.1571				
Design-based F(1.00, 3081.00) =	0.5915	Pr =	0.442		
<b>Change in employment (from 2016-2017)</b>					
No employment gain (n=2,716)	77.3	[75.2, 79.2]	22.7	[20.8, 24.8]	100.0
Employment gain (n=381)	74.1	[67.8, 79.4]	25.9	[20.6, 32.2]	100.0
Pearson: Uncorrected chi2(1) =	2.2849				
Design-based F(1.00, 3085.00) =	1.1298	Pr =	0.288		

**Notes:**  $\chi^2$  test of independence. Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. For homeless in the last 12 months, respondents who answered "Don't know" were excluded from the analysis.

### 6.1.2 Follow-up group by housing insecurity (2017), among all respondents

Number of places lived in past 3 years (2017)	Still enrolled		Follow-up group No longer enrolled		Total Row%
	Row%	95%CI	Row%	95%CI	
One (n=2,175)	79.9	[77.8, 81.9]	20.1	[18.1, 22.2]	100.0
Two (n=611)	72.5	[67.8, 76.8]	27.5	[23.2, 32.2]	100.0
Three (n=186)	67.7	[58.4, 75.7]	32.3	[24.3, 41.6]	100.0
Four or more (n=120)	64.1	[52.4, 74.3]	35.9	[25.7, 47.6]	100.0
Pearson: Uncorrected chi2(3) =	42.1519				
Design-based F(2.97, 9142.61) =	7.4443	Pr =	0.000		

**Notes:**  $\chi^2$  test of independence. For number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis. Cramer's V= 0.12.

### 6.1.3 Follow-up group by having health insurance is important to me (2016), amount I pay for HMP is affordable (2016), and amount I have to pay for HMP seems fair (2016), among all respondents

	Mean	SE	95%CI	N
<b>Having health insurance is important to me (2016)</b>				
Still enrolled	4.4	0.02	[4.4, 4.5]	2,384
No longer enrolled	4.4	0.03	[4.3, 4.5]	708
<b>Amount I pay for HMP is affordable (2016)</b>				
Still enrolled	4.1	0.02	[4.1, 4.2]	2,385
No longer enrolled	4.1	0.04	[4.0, 4.2]	707
<b>Amount I have to pay for HMP seems fair (2016)</b>				
Still enrolled	4.1	0.02	[4.1, 4.2]	2,384
No longer enrolled	4.1	0.03	[4.0, 4.1]	707

**Notes:** Variables were measured on a 5 point Likert scale where 5 indicates "strongly agree" and 1 indicates "strongly disagree".

### 6.1.4 Predictors of follow-up group, among all respondents

	No longer enrolled			No longer enrolled		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Change in employment (from 2016-2017)</b>						
No employment gain		Reference			Reference	
Employment gain	1.24	[0.893, 1.722]	0.200			
<b>Married or partnered (2017)</b>						
No		Reference			Reference	
Yes	1.32	[1.046, 1.675]	0.019	1.34	[1.060, 1.700]	0.015
<b>Number of places lived in past 3 years (2017)</b>						
One		Reference			Reference	
Two	1.55	[1.185, 2.029]	0.001	1.57	[1.199, 2.050]	0.001
Three	1.86	[1.212, 2.852]	0.005	1.89	[1.234, 2.888]	0.003
Four or more	2.56	[1.531, 4.282]	0.000	2.61	[1.556, 4.363]	0.000
<b>Chronic condition (2016 or 2017 survey and/or DW)</b>						
No		Reference			Reference	
Yes	0.77	[0.583, 1.006]	0.055	0.77	[0.586, 1.015]	0.064
<b>Urbanicity (DW)</b>						
Urban		Reference			Reference	
Suburban	1.21	[0.859, 1.713]	0.272	1.23	[0.874, 1.738]	0.233
Rural	1.01	[0.760, 1.332]	0.965	1.01	[0.763, 1.335]	0.950
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	0.88	[0.669, 1.147]	0.336	0.88	[0.669, 1.147]	0.336
51-64	0.96	[0.723, 1.264]	0.752	0.98	[0.739, 1.293]	0.873
<b>Age (DW)</b>						
Male		Reference			Reference	
Female	0.77	[0.621, 0.960]	0.020	0.77	[0.618, 0.956]	0.018
<b>Race/ethnicity (DW)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.22	[0.916, 1.614]	0.177	1.23	[0.923, 1.630]	0.159
Hispanic	1.11	[0.677, 1.807]	0.687	1.09	[0.668, 1.777]	0.732
Other, non-Hispanic	0.85	[0.563, 1.292]	0.453	0.86	[0.565, 1.296]	0.462
<b>FPL category (2017)</b>						
0-35%		Reference			Reference	
36-99%	1.79	[1.372, 2.322]	0.000	1.68	[1.282, 2.206]	0.000
100%+	2.07	[1.568, 2.733]	0.000	1.94	[1.456, 2.578]	0.000
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	0.86	[0.681, 1.095]	0.227	0.86	[0.682, 1.097]	0.231
Bachelor's/post graduate degree	1.39	[1.000, 1.922]	0.050	1.39	[1.004, 1.923]	0.047
<b>Employed/self-employed (2017)</b>						
No					Reference	
Yes				1.15	[0.910, 1.463]	0.236
<b>Constant</b>	0.22	[0.148, 0.340]	0.000	0.22	[0.141, 0.330]	0.000
N	3,048			3,044		
F-value	5.258			5.208		
Model degrees of freedom	18.000			18.000		
Residual degrees of freedom	3,036.000			3,032.000		
F-value significance	0.000			0.000		

**Notes:** Multiple logistic regression. Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or data warehouse.

## 6.2 Reason for disenrollment (2017)

### 6.2.1 Reason for disenrollment (2017), among respondents no longer enrolled

	Percent	95%CI
<b>Reason for disenrollment (2017)</b>		
Income increase/other coverage (n=405)	53.7	[49.0, 58.3]
Dissatisfied with HMP cost or services (n=10)	1.1	[0.6, 2.1]
Administrative problems (n=51)	8.6	[6.2, 11.8]
Ineligible to continue (n=85)	13.8	[10.8, 17.4]
Did not take action to re-enroll (n=50)	7.7	[5.6, 10.4]
Reason not given (n=108)	15.2	[12.1, 19.0]
<b>Total (n=709)</b>	<b>100.0</b>	

## 6.2.2 Reason for disenrollment by types of insurance (2017), among respondents no longer enrolled

	Reason for disenrollment (2017)												Total Row%
	Income increase/other coverage		Dissatisfied with HMP cost or services		Administrative problems		Ineligible to continue HMP		Did not take action to re-enroll		Reason not given		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
<b>Insurance through a job or union (2017)</b>													
Yes (n=137)	85.0	[76.6, 90.8]	0.0		1.8	[0.4, 8.3]	8.4	[4.4, 15.4]	3.0	[0.9, 9.4]	1.8	[0.6, 5.2]	100.0
No (n=371)	53.1	[46.9, 59.3]	1.4	[0.6, 3.1]	6.5	[4.1, 10.2]	11.6	[8.0, 16.6]	7.4	[4.8, 11.3]	20.0	[15.3, 25.6]	100.0
Pearson: Uncorrected chi2(5) =	314.0364												
Design-based F(4.59, 13249.48) =	8.0074		Pr =	0.000									
<b>Insurance purchased by me or someone else (2017)</b>													
Yes (n=46)	59.8	[39.5, 77.2]	1.5	[0.2, 10.2]	5.3	[1.3, 19.3]	22.9	[8.5, 48.6]	5.5	[0.8, 29.8]	5.0	[1.5, 15.1]	100.0
No (n=462)	63.6	[58.0, 68.8]	0.9	[0.4, 2.2]	4.9	[3.1, 7.9]	9.5	[6.9, 12.9]	6.1	[4.0, 9.1]	15.1	[11.4, 19.6]	100.0
Pearson: Uncorrected chi2(5) =	55.5575												
Design-based F(4.01, 11552.16) =	1.3474		Pr =	0.250									
<b>Veterans Administration or VA care (2017)</b>													
Yes (n=3)	100.0		0.0		0.0		0.0		0.0		0.0		100.0
No (n=505)	62.7	[57.4, 67.8]	1.0	[0.4, 2.2]	5.0	[3.2, 7.9]	10.7	[7.8, 14.7]	6.1	[4.0, 9.1]	14.4	[11.0, 18.6]	100.0
Pearson: Uncorrected chi2(5) =	23.4684												
Design-based F(4.28, 12333.09) =	0.5091		Pr =	0.741									
<b>CHAMPUS or TRICARE (2017)</b>													
Yes (n=1)	100.0		0.0		0.0		0.0		0.0		0.0		100.0
No (n=507)	63.2	[57.8, 68.2]	0.9	[0.4, 2.1]	5.0	[3.2, 7.8]	10.6	[7.7, 14.5]	6.0	[4.0, 9.0]	14.2	[10.9, 18.4]	100.0
Pearson: Uncorrected chi2(5) =	3.0200												
Design-based F(4.74, 13683.73) =	0.0862		Pr =	0.993									
<b>Medicare (2017)</b>													
Yes (n=104)	87.7	[79.5, 92.9]	1.9	[0.5, 7.3]	0.9	[0.1, 6.3]	4.2	[1.6, 10.7]	0.0		5.3	[2.3, 11.7]	100.0
No (n=404)	58.7	[52.6, 64.5]	0.8	[0.3, 2.1]	5.7	[3.6, 9.0]	11.8	[8.4, 16.3]	7.1	[4.7, 10.6]	15.9	[12.0, 20.8]	100.0
Pearson: Uncorrected chi2(5) =	158.4982												
Design-based F(4.72, 13617.13) =	5.9517		Pr =	0.000									
<b>County health plan (2017)</b>													
Yes (n=3)	61.8	[12.7, 94.7]	0.0		0.0		38.2	[5.3, 87.3]	0.0		0.0		100.0
No (n=505)	63.3	[57.9, 68.3]	1.0	[0.4, 2.2]	5.0	[3.2, 7.8]	10.4	[7.5, 14.2]	6.1	[4.0, 9.0]	14.3	[10.9, 18.5]	100.0
Pearson: Uncorrected chi2(5) =	22.5566												
Design-based F(4.84, 13961.50) =	0.6120		Pr =	0.685									
<b>Medicaid (2017)</b>													
Yes (n=237)	42.4	[35.2, 50.0]	1.5	[0.5, 4.0]	8.7	[5.2, 14.0]	9.5	[6.2, 14.4]	9.5	[6.1, 14.6]	28.4	[21.7, 36.1]	100.0
No (n=271)	80.0	[73.2, 85.4]	0.5	[0.1, 2.1]	2.0	[0.7, 5.4]	11.5	[7.3, 17.7]	3.2	[1.3, 7.6]	2.8	[1.5, 5.2]	100.0
Pearson: Uncorrected chi2(5) =	610.1565												
Design-based F(4.66, 13431.98) =	17.0469		Pr =	0.000									
<b>Other (2017)</b>													
Yes (n=17)	55.6	[29.1, 79.3]	0.0		0.0		36.5	[15.0, 65.1]	2.9	[0.4, 18.8]	5.0	[0.7, 28.8]	100.0
No (n=491)	63.5	[58.0, 68.6]	1.0	[0.4, 2.2]	5.1	[3.3, 8.0]	9.8	[6.9, 13.7]	6.1	[4.0, 9.2]	14.5	[11.0, 18.8]	100.0
Pearson: Uncorrected chi2(5) =	69.8624												
Design-based F(4.47, 12894.33) =	2.5612		Pr =	0.031									
<b>Don't know (2017)</b>													
Yes (n=3)	29.3	[3.3, 83.5]	0.0		17.5	[1.8, 70.7]	0.0		53.2	[9.1, 92.8]	0.0		100.0
No (n=505)	63.5	[58.1, 68.5]	1.0	[0.4, 2.2]	4.9	[3.1, 7.7]	10.7	[7.7, 14.6]	5.7	[3.7, 8.6]	14.3	[10.9, 18.5]	100.0
Pearson: Uncorrected chi2(5) =	85.0143												
Design-based F(4.39, 12664.29) =	2.6010		Pr =	0.029									
<b>Total (n=709)</b>	<b>53.7</b>	<b>[49.0, 58.3]</b>	<b>1.1</b>	<b>[0.6, 2.1]</b>	<b>8.6</b>	<b>[6.2, 11.8]</b>	<b>13.8</b>	<b>[10.8, 17.4]</b>	<b>7.7</b>	<b>[5.6, 10.4]</b>	<b>15.2</b>	<b>[12.1, 19.0]</b>	<b>100.0</b>

Notes:  $\chi^2$  test of independence. Insurance type: insurance through a job or union and reason for disenrollment,  $\phi = 0.33$ ; Insurance type: Medicare and reason for disenrollment,  $\phi = 0.23$ ; Insurance type: Medicaid and reason for disenrollment,  $\phi = 0.46$ ; Insurance type: other and reason for disenrollment,  $\phi = 0.16$ ; Insurance type: "don't know" and reason for disenrollment,  $\phi = 0.17$ .

**6.2.3 Predictors of reason for disenrollment: income increase or other insurance coverage compared to dissatisfied with HMP cost or services, among respondents no longer enrolled**

	Income increase or other insurance coverage (ref) compared to dissatisfied with HMP cost or services		
	RRR	95% CI	p-value
<b>Change in employment (from 2016-2017)</b>			
No employment gain		Reference	
Employment gain	0.00	[0.000, 0.000]	0.000
<b>Number of places lived in past 3 years (2017)</b>			
One		Reference	
Two	3.07	[0.727, 13.002]	0.127
Three	0.85	[0.077, 9.522]	0.898
Four or more	3.52	[0.346, 35.691]	0.287
<b>Urbanicity (DW)</b>			
Urban		Reference	
Suburban	1.25	[0.170, 9.145]	0.829
Rural	0.00	[0.000, 0.000]	0.000
<b>Age (DW)</b>			
19-34		Reference	
35-50	2.69	[0.640, 11.267]	0.177
51-64	0.39	[0.043, 3.605]	0.410
<b>Gender (DW)</b>			
Male		Reference	
Female	0.92	[0.230, 3.653]	0.901
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.29	[0.026, 3.155]	0.306
Hispanic	1.23	[0.158, 9.552]	0.843
Other, non-Hispanic	0.00	[0.000, 0.000]	0.000
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	3.37	[0.321, 35.318]	0.311
100%+	3.17	[0.358, 28.039]	0.299
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.65	[0.275, 9.883]	0.584
Bachelor's/post graduate degree	3.67	[0.521, 25.915]	0.191
<b>Constant</b>	0.00	[0.000, 0.062]	0.000
N	698		
F-value	30.600		
Model degrees of freedom	80.000		
Residual degrees of freedom	686.000		
F-value significance	0.000		

**Notes:** Multinomial logistic regression. Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). For number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

**6.2.4 Predictors of reason for disenrollment: income increase or other insurance coverage compared to administrative problems, among respondents no longer enrolled**

	Income increase or other insurance coverage (ref) compared to administrative problems		
	RRR	95% CI	p-value
<b>Change in employment (from 2016-2017)</b>			
No employment gain		Reference	
Employment gain	0.20	[0.051, 0.769]	0.019
<b>Number of places lived in past 3 years (2017)</b>			
One		Reference	
Two	1.51	[0.620, 3.668]	0.364
Three	1.07	[0.256, 4.475]	0.925
Four or more	1.03	[0.228, 4.658]	0.968
<b>Urbanicity (DW)</b>			
Urban		Reference	
Suburban	1.28	[0.374, 4.414]	0.690
Rural	1.23	[0.449, 3.393]	0.682
<b>Age (DW)</b>			
19-34		Reference	
35-50	0.87	[0.373, 2.042]	0.753
51-64	0.69	[0.271, 1.763]	0.439
<b>Gender (DW)</b>			
Male		Reference	
Female	0.59	[0.302, 1.162]	0.127
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.95	[0.782, 4.841]	0.152
Hispanic	0.45	[0.077, 2.667]	0.381
Other, non-Hispanic	0.35	[0.063, 1.986]	0.238
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	1.19	[0.538, 2.623]	0.670
100%+	0.57	[0.215, 1.519]	0.261
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	0.58	[0.254, 1.348]	0.208
Bachelor's/post graduate degree	0.20	[0.058, 0.706]	0.012
<b>Constant</b>	0.32	[0.114, 0.906]	0.032
N	698		
F-value	30.600		
Model degrees of freedom	80.000		
Residual degrees of freedom	686.000		
F-value significance	0.000		

**Notes:** Multinomial logistic regression. Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). For number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

**6.2.5 Predictors of reason for disenrollment: income increase or other insurance coverage compared to ineligible to continue HMP, among respondents no longer enrolled**

	Income increase or other insurance coverage (ref) compared to ineligible to continue HMP		
	RRR	95% CI	p-value
<b>Change in employment (from 2016-2017)</b>			
No employment gain		Reference	
Employment gain	2.21	[1.087, 4.507]	0.029
<b>Number of places lived in past 3 years (2017)</b>			
One		Reference	
Two	1.37	[0.674, 2.778]	0.384
Three	2.13	[0.866, 5.238]	0.099
Four or more	2.68	[0.857, 8.409]	0.090
<b>Urbanicity (DW)</b>			
Urban		Reference	
Suburban	1.21	[0.462, 3.172]	0.698
Rural	0.42	[0.174, 1.023]	0.056
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.03	[0.517, 2.032]	0.943
51-64	0.71	[0.334, 1.521]	0.381
<b>Gender (DW)</b>			
Male		Reference	
Female	1.78	[0.942, 3.356]	0.076
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	1.82	[0.898, 3.677]	0.097
Hispanic	1.47	[0.459, 4.683]	0.518
Other, non-Hispanic	0.92	[0.251, 3.376]	0.900
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.72	[0.326, 1.570]	0.403
100%+	0.75	[0.345, 1.636]	0.470
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.94	[0.987, 3.802]	0.055
Bachelor's/post graduate degree	1.44	[0.670, 3.091]	0.351
<b>Constant</b>	0.10	[0.038, 0.257]	0.000
N	698		
F-value	30.600		
Model degrees of freedom	80.000		
Residual degrees of freedom	686.000		
F-value significance	0.000		

**Notes:** Multinomial logistic regression. Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). For number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

**6.2.6 Predictors of reason for disenrollment: income increase or other insurance coverage compared to did not take action to re-enroll, among respondents no longer enrolled**

	Income increase or other insurance coverage (ref) compared to did not take action to re-enroll		
	RRR	95% CI	p-value
<b>Change in employment (from 2016-2017)</b>			
No employment gain		Reference	
Employment gain	1.18	[0.413, 3.392]	0.753
<b>Number of places lived in past 3 years (2017)</b>			
One		Reference	
Two	0.92	[0.376, 2.242]	0.850
Three	0.36	[0.053, 2.415]	0.292
Four or more	0.89	[0.207, 3.860]	0.880
<b>Urbanicity (DW)</b>			
Urban		Reference	
Suburban	6.03	[2.283, 15.921]	0.000
Rural	4.15	[1.674, 10.287]	0.002
<b>Age (DW)</b>			
19-34		Reference	
35-50	0.66	[0.267, 1.632]	0.368
51-64	0.67	[0.273, 1.660]	0.390
<b>Gender (DW)</b>			
Male		Reference	
Female	0.95	[0.454, 2.002]	0.898
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	4.02	[1.718, 9.401]	0.001
Hispanic	1.74	[0.314, 9.578]	0.527
Other, non-Hispanic	0.55	[0.109, 2.776]	0.468
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	1.13	[0.513, 2.477]	0.766
100%+	0.38	[0.134, 1.065]	0.066
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	0.82	[0.354, 1.922]	0.655
Bachelor's/post graduate degree	0.36	[0.108, 1.181]	0.091
<b>Constant</b>	0.11	[0.033, 0.390]	0.001
N	698		
F-value	30.600		
Model degrees of freedom	80.000		
Residual degrees of freedom	686.000		
F-value significance	0.000		

**Notes:** Multinomial logistic regression. Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). For number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

**6.2.7 Predictors of reason for disenrollment: income increase or other insurance coverage compared to reason not given, among respondents no longer enrolled**

	Income increase or other insurance coverage (ref) compared to reason not given		
	RRR	95% CI	p-value
<b>Change in employment (from 2016-2017)</b>			
No employment gain		Reference	
Employment gain	0.64	[0.245, 1.675]	0.363
<b>Number of places lived in past 3 years (2017)</b>			
One		Reference	
Two	1.41	[0.715, 2.764]	0.322
Three	1.15	[0.423, 3.147]	0.779
Four or more	0.86	[0.201, 3.640]	0.832
<b>Urbanicity (DW)</b>			
Urban		Reference	
Suburban	1.47	[0.620, 3.462]	0.383
Rural	0.93	[0.456, 1.885]	0.834
<b>Age (DW)</b>			
19-34		Reference	
35-50	0.66	[0.337, 1.282]	0.218
51-64	0.38	[0.191, 0.759]	0.006
<b>Gender (DW)</b>			
Male		Reference	
Female	1.38	[0.774, 2.455]	0.275
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	2.25	[1.138, 4.449]	0.020
Hispanic	2.15	[0.631, 7.339]	0.220
Other, non-Hispanic	2.13	[0.882, 5.153]	0.093
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.75	[0.395, 1.441]	0.393
100%+	0.54	[0.262, 1.119]	0.098
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	0.49	[0.261, 0.913]	0.025
Bachelor's/post graduate degree	0.23	[0.092, 0.590]	0.002
<b>Constant</b>	0.44	[0.179, 1.073]	0.071
N	698		
F-value	30.600		
Model degrees of freedom	80.000		
Residual degrees of freedom	686.000		
F-value significance	0.000		

**Notes:** Multinomial logistic regression. Change in employment was defined as follow-up respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). For number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

### 6.3 Insurance status (2017)

#### 6.3.1 Insurance status (2017) by change in employment (from 2016-2017), among respondents no longer enrolled

	Insurance status (2017)				Total Row%
	Insured Row%	95%CI	Uninsured Row%	95%CI	
<b>Change in employment (from 2016-2017)</b>					
No employment gain (n=605)	70.5	[65.6, 74.9]	29.5	[25.1, 34.4]	100.0
Employment gain (n=96)	64.8	[51.9, 75.9]	35.2	[24.1, 48.1]	100.0
Pearson: Uncorrected chi2(1) =	6.5595				
Design-based F(1.00, 3077.00) =	0.7700	Pr =	0.380		
<b>Total (n=701)</b>	<b>69.5</b>	<b>[65.0, 73.7]</b>	<b>30.5</b>	<b>[26.3, 35.0]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence. Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no).

#### 6.3.2 Insurance status (2017) by job change in last 12 months (2017), among respondents no longer enrolled

	Insurance status (2017)				Total Row%
	Insured Row%	95%CI	Uninsured Row%	95%CI	
<b>Job change in last 12 months (2017)</b>					
Yes (n=117)	66.5	[55.7, 75.8]	33.5	[24.2, 44.3]	100.0
No (n=301)	63.5	[56.2, 70.3]	36.5	[29.7, 43.8]	100.0
Pearson: Uncorrected chi2(1) =	2.2566				
Design-based F(1.00, 2794.00) =	0.2237	Pr =	0.636		
<b>Total (n=701)</b>	<b>69.5</b>	<b>[65.0, 73.7]</b>	<b>30.5</b>	<b>[26.3, 35.0]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence.

### 6.3.3 Predictors of insurance status (2017), among respondents no longer enrolled

	Uninsured (2017)		
	aOR	95% CI	p-value
<b>Change in employment (from 2016-2017)</b>			
No employment gain		Reference	
Employment gain	1.00	[0.499, 2.010]	0.996
<b>Fair/poor health (2017)</b>			
No		Reference	
Yes	0.70	[0.359, 1.373]	0.301
<b>Age (DW)</b>			
19-34		Reference	
35-50	0.97	[0.584, 1.624]	0.920
51-64	0.61	[0.329, 1.149]	0.127
<b>Gender (DW)</b>			
Male		Reference	
Female	0.62	[0.396, 0.964]	0.034
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.77	[0.452, 1.321]	0.346
Hispanic	1.26	[0.545, 2.932]	0.584
Other, non-Hispanic	0.65	[0.281, 1.503]	0.313
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.78	[0.461, 1.331]	0.366
100%+	0.86	[0.477, 1.548]	0.613
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	1.16	[0.732, 1.855]	0.520
Bachelor's/post graduate degree	0.41	[0.187, 0.907]	0.028
<b>Number of chronic conditions (DW)</b>	0.88	[0.745, 1.039]	0.132
<b>Major functional limitation (2017)</b>			
None		Reference	
Functional limitation	0.83	[0.386, 1.797]	0.640
<b>Constant</b>	1.19	[0.591, 2.378]	0.631
N	684		
F-value	1.526		
Model degrees of freedom	14.000		
Residual degrees of freedom	672.000		
F-value significance	0.096		

**Notes:** Multiple logistic regression. Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Major functional limitation was defined as missing 14-30 days of the past 30 days due to poor physical and/or mental health.

## 6.4 Insurance status prior to HMP, detailed (2016)

### 6.4.1 Insurance status prior to HMP, detailed (2016), among all respondents

	Percent	95%CI
<b>Insurance status prior to HMP, detailed (2016)</b>		
Uninsured (n=1,792)	57.3	[55.1, 59.6]
Medicaid (n=599)	19.3	[17.6, 21.1]
Private, job (n=304)	10.4	[9.0, 11.8]
Private, self or other, healthcare.gov (n=50)	1.5	[1.1, 2.1]
Medicare, VA, or CHAMPUS (n=19)	0.7	[0.4, 1.2]
Other, unspecified, or unknown (n=333)	10.8	[9.4, 12.4]
<b>Total (n=3,097)</b>	<b>100.0</b>	

## 6.5 Insurance status, detailed (2017)

### 6.5.1 Insurance status, detailed (2017), among respondents no longer enrolled

	Percent	95%CI
<b>Insurance status, detailed (2017)</b>		
Uninsured (n=193)	29.9	[25.8, 34.4]
Medicaid (n=202)	26.6	[23.0, 30.7]
Private, job (n=136)	21.5	[17.6, 25.9]
Private, self or other, healthcare.gov (n=32)	4.0	[2.5, 6.3]
Medicare, VA, or CHAMPUS (n=103)	11.4	[9.0, 14.4]
Other, unspecified, or unknown (n=43)	6.5	[4.6, 9.2]
<b>Total (n=709)</b>	<b>100.0</b>	

**6.5.2 Predictors of insurance status, detailed (2017), among respondents no longer enrolled**

	Uninsured (2017)			Medicaid (2017)			Private, job (2017)			Private, self or other, healthcare.gov (2017)		
	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Employed/self-employed (2017)</b>												
No		Reference			Reference			Reference			Reference	
Yes	1.73	[0.995, 3.006]	0.052	0.25	[0.154, 0.400]	0.000	13.07	[4.892, 34.903]	0.000	5.48	[1.749, 17.167]	0.004
<b>Number of places lived in past 3 years (2017)</b>												
One		Reference			Reference			Reference			Reference	
Two	0.89	[0.512, 1.541]	0.673	1.16	[0.669, 2.022]	0.593	1.06	[0.569, 1.958]	0.863	1.38	[0.500, 3.825]	0.532
Three	0.76	[0.328, 1.779]	0.532	1.17	[0.580, 2.354]	0.664	1.00	[0.445, 2.241]	0.996	1.22	[0.217, 6.862]	0.820
Four or more	0.71	[0.280, 1.812]	0.476	1.31	[0.446, 3.819]	0.626	0.62	[0.203, 1.917]	0.410	5.76	[1.119, 29.659]	0.036
<b>Urbanicity (DW)</b>												
Urban		Reference			Reference			Reference			Reference	
Suburban	0.80	[0.411, 1.552]	0.506	1.27	[0.653, 2.453]	0.485	0.62	[0.259, 1.472]	0.276	2.11	[0.596, 7.438]	0.247
Rural	0.61	[0.360, 1.034]	0.066	1.51	[0.873, 2.614]	0.140	0.98	[0.507, 1.880]	0.942	1.71	[0.638, 4.594]	0.285
<b>Age (DW)</b>												
19-34		Reference			Reference			Reference			Reference	
35-50	1.00	[0.596, 1.664]	0.987	0.88	[0.524, 1.487]	0.638	1.23	[0.676, 2.247]	0.495	1.02	[0.320, 3.228]	0.977
51-64	0.60	[0.322, 1.119]	0.108	0.51	[0.287, 0.902]	0.021	0.73	[0.358, 1.485]	0.383	2.86	[0.982, 8.317]	0.054
<b>Age (DW)</b>												
Male		Reference			Reference			Reference			Reference	
Female	0.62	[0.398, 0.969]	0.036	2.89	[1.827, 4.562]	0.000	0.87	[0.517, 1.462]	0.597	1.01	[0.360, 2.842]	0.984
<b>Race/ethnicity (DW)</b>												
White, non-Hispanic		Reference			Reference			Reference			Reference	
Black, non-Hispanic	0.67	[0.376, 1.182]	0.165	1.41	[0.810, 2.455]	0.224	1.12	[0.593, 2.105]	0.731	0.37	[0.065, 2.138]	0.267
Hispanic	1.06	[0.445, 2.533]	0.893	0.81	[0.262, 2.493]	0.711	0.78	[0.202, 2.980]	0.711	0.38	[0.054, 2.668]	0.330
Other, non-Hispanic	0.66	[0.290, 1.513]	0.328	1.35	[0.645, 2.836]	0.424	1.35	[0.557, 3.272]	0.507	1.47	[0.323, 6.726]	0.616
<b>FPL category (2017)</b>												
0-35%		Reference			Reference			Reference			Reference	
36-99%	0.78	[0.453, 1.347]	0.373	0.95	[0.568, 1.593]	0.849	0.85	[0.428, 1.692]	0.646	0.32	[0.115, 0.913]	0.033
100%+	0.90	[0.492, 1.632]	0.719	0.69	[0.372, 1.263]	0.225	0.78	[0.395, 1.533]	0.468	0.93	[0.295, 2.951]	0.906
<b>Highest level of education (2017)</b>												
High school or less		Reference			Reference			Reference			Reference	
Associate's degree/some college	1.05	[0.655, 1.678]	0.845	0.60	[0.363, 0.992]	0.047	1.51	[0.821, 2.778]	0.184	2.08	[0.807, 5.356]	0.129
Bachelor's/post graduate degree	0.39	[0.181, 0.848]	0.017	0.46	[0.233, 0.906]	0.025	3.51	[1.802, 6.823]	0.000	1.33	[0.307, 5.716]	0.705
<b>Married or partnered (2017)</b>												
No		Reference			Reference			Reference			Reference	
Yes	0.71	[0.444, 1.123]	0.142	1.36	[0.819, 2.266]	0.234	0.89	[0.497, 1.583]	0.686	1.92	[0.671, 5.481]	0.224
<b>Fair/poor health (2017)</b>												
No		Reference			Reference			Reference			Reference	
Yes	0.59	[0.328, 1.079]	0.087	1.37	[0.809, 2.336]	0.239	0.73	[0.346, 1.540]	0.408	0.79	[0.246, 2.510]	0.684
<b>Constant</b>	0.89	[0.402, 1.970]	0.773	0.52	[0.244, 1.107]	0.090	0.03	[0.010, 0.099]	0.000	0.01	[0.001, 0.024]	0.000
N	697			697			697			697		
F-value	1.688			4.685			3.142			4.348		
Model degrees of freedom	18.000			18.000			18.000			18.000		
Residual degrees of freedom	685.000			685.000			685.000			685.000		
F-value significance	0.037			0.000			0.000			0.000		

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**Notes:** Multiple logistic regression. For number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

6.5.3 Predictors of insurance status, detailed (2017), among respondents no longer enrolled (continued)

	Medicare, VA, or CHAMPUS (2017)			Other, unspecified, or unknown (2017)		
	aOR	95% CI	p-value	aOR	95% CI	p-value
<b>Employed/self-employed (2017)</b>						
No		Reference			Reference	
Yes	0.24	[0.121, 0.482]	0.000	0.61	[0.300, 1.254]	0.180
<b>Number of places lived in past 3 years (2017)</b>						
One		Reference			Reference	
Two	0.82	[0.339, 1.986]	0.660	1.01	[0.401, 2.523]	0.990
Three	0.67	[0.136, 3.350]	0.630	1.88	[0.569, 6.222]	0.299
Four or more	0.11	[0.013, 0.917]	0.041	2.45	[0.489, 12.289]	0.275
<b>Urbanicity (DW)</b>						
Urban		Reference			Reference	
Suburban	0.95	[0.413, 2.191]	0.907	1.56	[0.571, 4.248]	0.386
Rural	1.13	[0.553, 2.290]	0.745	1.03	[0.266, 3.982]	0.966
<b>Age (DW)</b>						
19-34		Reference			Reference	
35-50	2.35	[0.551, 10.055]	0.248	0.65	[0.262, 1.625]	0.358
51-64	9.94	[2.513, 39.299]	0.001	1.04	[0.411, 2.652]	0.928
<b>Age (DW)</b>						
Male		Reference			Reference	
Female	0.49	[0.272, 0.874]	0.016	0.92	[0.431, 1.964]	0.829
<b>Race/ethnicity (DW)</b>						
White, non-Hispanic		Reference			Reference	
Black, non-Hispanic	1.12	[0.474, 2.659]	0.793	1.62	[0.661, 3.992]	0.289
Hispanic	1.78	[0.583, 5.407]	0.312	2.10	[0.632, 6.951]	0.226
Other, non-Hispanic	0.60	[0.165, 2.154]	0.430	0.31	[0.066, 1.403]	0.127
<b>FPL category (2017)</b>						
0-35%		Reference			Reference	
36-99%	2.11	[0.926, 4.828]	0.075	3.35	[1.542, 7.268]	0.002
100%+	3.31	[1.542, 7.095]	0.002	1.82	[0.675, 4.895]	0.237
<b>Highest level of education (2017)</b>						
High school or less		Reference			Reference	
Associate's degree/some college	1.02	[0.458, 2.282]	0.957	0.72	[0.299, 1.749]	0.472
Bachelor's/post graduate degree	1.23	[0.478, 3.147]	0.671	2.09	[0.921, 4.757]	0.078
<b>Married or partnered (2017)</b>						
No		Reference			Reference	
Yes	0.48	[0.249, 0.920]	0.027	1.98	[0.765, 5.102]	0.159
<b>Fair/poor health (2017)</b>						
No		Reference			Reference	
Yes	1.68	[0.908, 3.101]	0.098	1.45	[0.666, 3.150]	0.349
<b>Constant</b>	0.06	[0.008, 0.366]	0.003	0.03	[0.009, 0.084]	0.000
N	697			697		
F-value	4.970			2.418		
Model degrees of freedom	18.000			18.000		
Residual degrees of freedom	685.000			685.000		
F-value significance	0.000			0.001		

Notes: Multiple logistic regression. For number of places lived in past 3 years, respondents who answered "Don't know" were excluded from the analysis.

6.5.4 Insurance status, detailed (2017) by insurance status prior to HMP, detailed (2016), among all respondents

	HMP		Uninsured		Medicaid		Current insurance status, detailed (2017)				Government		Other		Total	
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Private, job		Private, self		Row%	95%CI	Row%	95%CI	Row%	
<b>Insurance status prior to HMP, detailed (2016)</b>																
Uninsured (n=1,792)	79.1	[76.6, 81.4]	6.9	[5.6, 8.5]	5.9	[4.8, 7.3]	3.6	[2.6, 5.1]	0.8	[0.5, 1.5]	2.5	[1.7, 3.6]	1.1	[0.6, 2.0]	100.0	
Medicaid (n=599)	74.7	[69.8, 79.1]	7.7	[5.2, 11.3]	7.4	[5.4, 10.2]	5.5	[3.2, 9.3]	1.3	[0.3, 4.5]	2.0	[1.1, 3.5]	1.4	[0.7, 3.0]	100.0	
Private, job (n=304)	67.6	[60.8, 73.8]	7.8	[4.5, 13.2]	4.4	[2.6, 7.2]	11.7	[7.7, 17.4]	1.0	[0.4, 2.6]	4.8	[2.9, 7.6]	2.7	[1.3, 5.3]	100.0	
Private, self (n=50)	72.5	[56.1, 84.5]	1.5	[0.2, 10.3]	4.8	[1.4, 14.9]	7.2	[2.6, 18.7]	3.2	[0.8, 12.4]	2.7	[0.7, 9.3]	8.0	[1.9, 28.1]	100.0	
Government (n=19)	84.2	[54.4, 96.0]	0.0		3.9	[0.8, 17.3]	1.5	[0.2, 10.2]	0.0		10.4	[1.5, 47.5]	0.0		100.0	
Other (n=333)	77.1	[70.8, 82.4]	6.1	[3.2, 11.2]	7.4	[4.5, 11.9]	4.7	[2.7, 8.1]	0.5	[0.1, 1.8]	2.2	[1.1, 4.4]	2.0	[0.9, 4.5]	100.0	
<b>Total (n=3,097)</b>	<b>76.8</b>	<b>[74.9, 78.6]</b>	<b>6.9</b>	<b>[5.9, 8.2]</b>	<b>6.2</b>	<b>[5.3, 7.2]</b>	<b>5.0</b>	<b>[4.0, 6.2]</b>	<b>0.9</b>	<b>[0.6, 1.5]</b>	<b>2.7</b>	<b>[2.1, 3.4]</b>	<b>1.5</b>	<b>[1.1, 2.2]</b>	<b>100.0</b>	

Note: This table shows row percents. "Private, self" includes healthcare.gov enrollees. Government includes Medicaid, VA, and CHAMPUS.

	HMP		Uninsured		Medicaid		Current insurance status, detailed (2017)				Government		Other		Total	
	Cell%	95%CI	Cell%	95%CI	Cell%	95%CI	Private, job		Private, self		Cell%	95%CI	Cell%	95%CI	Cell%	95%CI
<b>Insurance status prior to HMP, detailed (2016)</b>																
Uninsured (n=1,792)	45.4	[43.1, 47.6]	4.0	[3.2, 4.9]	3.4	[2.7, 4.2]	2.1	[1.5, 2.9]	0.5	[0.3, 0.8]	1.4	[1.0, 2.1]	0.6	[0.3, 1.2]	57.3	[55.1, 59.6]
Medicaid (n=599)	14.4	[12.9, 16.0]	1.5	[1.0, 2.2]	1.4	[1.0, 2.0]	1.1	[0.6, 1.8]	0.2	[0.1, 0.9]	0.4	[0.2, 0.7]	0.3	[0.1, 0.6]	19.3	[17.6, 21.1]
Private, job (n=304)	7.0	[5.9, 8.3]	0.8	[0.5, 1.4]	0.5	[0.3, 0.8]	1.2	[0.8, 1.9]	0.1	[0.0, 0.3]	0.5	[0.3, 0.8]	0.3	[0.1, 0.6]	10.4	[9.0, 11.8]
Private, self (n=50)	1.1	[0.7, 1.7]	0.0	[0.0, 0.2]	0.1	[0.0, 0.2]	0.1	[0.0, 0.3]	0.0	[0.0, 0.2]	0.0	[0.0, 0.1]	0.1	[0.0, 0.5]	1.5	[1.1, 2.1]
Government (n=19)	0.6	[0.3, 1.1]	0.0		0.0	[0.0, 0.1]	0.0	[0.0, 0.1]	0.0		0.1	[0.0, 0.5]	0.0		0.7	[0.4, 1.2]
Other (n=333)	8.3	[7.1, 9.7]	0.7	[0.3, 1.3]	0.8	[0.5, 1.3]	0.5	[0.3, 0.9]	0.1	[0.0, 0.2]	0.2	[0.1, 0.5]	0.2	[0.1, 0.5]	10.8	[9.4, 12.4]
<b>Total (n=3,097)</b>	<b>76.8</b>	<b>[74.9, 78.6]</b>	<b>6.9</b>	<b>[5.9, 8.2]</b>	<b>6.2</b>	<b>[5.3, 7.2]</b>	<b>5.0</b>	<b>[4.0, 6.2]</b>	<b>0.9</b>	<b>[0.6, 1.5]</b>	<b>2.7</b>	<b>[2.1, 3.4]</b>	<b>1.5</b>	<b>[1.1, 2.2]</b>	<b>100.0</b>	

Note: This table presents the same data as above using cell percents. "Private, self" includes healthcare.gov enrollees. Government includes Medicaid, VA, and CHAMPUS.

6.5.5 Insurance status, detailed (2017) by regular source of care since HMP coverage ended (2017), among respondents no longer enrolled

Insurance status, detailed (2017)	Regular source of care since HMP coverage ended (2017)					
	Yes		No		Total	
	Col%	95%CI	Col%	95%CI	Col%	95%CI
Uninsured (n=168)	21.2	[17.3, 25.7]	59.6	[47.1, 71.0]	27.7	[23.5, 32.4]
Medicaid (n=200)	31.6	[27.2, 36.4]	13.7	[7.0, 25.1]	28.6	[24.6, 32.9]
Private, job (n=125)	22.3	[17.8, 27.6]	17.4	[10.2, 28.3]	21.5	[17.4, 26.2]
Private, self or other, healthcare.gov (n=31)	4.6	[2.8, 7.5]	2.1	[0.6, 6.8]	4.2	[2.6, 6.7]
Medicare, VA, or CHAMPUS (n=101)	14.0	[10.9, 17.8]	3.7	[1.4, 9.4]	12.3	[9.6, 15.5]
Other, unspecified, or unknown (n=36)	6.3	[4.1, 9.4]	3.4	[1.2, 9.6]	5.8	[3.9, 8.5]
Pearson: Uncorrected chi2(5) =	330.8765					
Design-based F(4.67, 14190.63) =	10.5654	Pr =	0.000			

Notes:  $\chi^2$  test of independence. For regular source of care since HMP coverage ended, respondents who answered "N/A" were excluded from the analysis. Cramer's V= 0.33.

6.5.6 Insurance status, detailed (2017) by type of regular source of care since HMP coverage ended (2017), among respondents no longer enrolled

Insurance status, detailed (2017)	Type of regular source of care since HMP coverage ended (2017)													
	Clinic		Doctor's office		Urgent care		Walk-in clinic		Emergency room		Other		Total	
	Col%	95%CI	Col%	95%CI	Col%	95%CI	Col%	95%CI	Col%	95%CI	Col%	95%CI	Col%	95%CI
Uninsured (n=115)	23.0	[14.3, 34.7]	13.7	[10.0, 18.5]	22.6	[9.7, 44.2]	72.0	[52.0, 85.9]	57.3	[37.2, 75.3]	36.8	[11.3, 72.7]	21.4	[17.5, 25.9]
Medicaid (n=188)	30.3	[20.9, 41.8]	33.9	[28.4, 39.8]	40.4	[16.5, 69.9]	15.2	[6.6, 31.4]	25.7	[12.1, 46.5]	9.6	[2.1, 34.0]	31.5	[27.2, 36.3]
Private, job (n=106)	28.5	[17.1, 43.7]	23.8	[18.5, 30.1]	8.7	[2.5, 26.3]	0.0		8.0	[2.0, 27.3]	19.3	[5.5, 49.8]	22.3	[17.8, 27.5]
Private, self or other, healthcare.gov (n=28)	3.8	[1.4, 9.7]	6.0	[3.4, 10.5]	0.0		0.0		0.0		0.0		4.6	[2.7, 7.5]
Medicare, VA, or CHAMPUS (n=96)	8.6	[4.5, 15.7]	16.8	[12.6, 22.0]	3.1	[0.4, 20.0]	9.0	[2.5, 27.7]	5.2	[0.7, 29.1]	34.3	[10.7, 69.4]	14.0	[10.9, 17.8]
Other, unspecified, or unknown (n=32)	5.8	[2.2, 14.1]	5.9	[3.7, 9.2]	25.1	[5.8, 64.6]	3.8	[0.9, 15.1]	3.8	[0.5, 22.6]	0.0		6.3	[4.1, 9.4]
Pearson: Uncorrected chi2(25) =	567.2915													
Design-based F(19.74, 58053.36) =	3.0653	Pr =	0.000											

Notes:  $\chi^2$  test of independence. Cramer's V= 0.20.

## 6.6 Private insurance (2017)

### 6.6.1 Private insurance (2017) by change in employment (from 2016-2017), among respondents no longer enrolled

	Private insurance (2017)				Total Row%
	Do not have it Row%	95%CI	Currently have it Row%	95%CI	
<b>Change in employment (from 2016-2017)</b>					
No employment gain (n=447)	65.3	[59.5, 70.7]	34.7	[29.3, 40.5]	100.0
Employment gain (n=61)	30.6	[18.3, 46.3]	69.4	[53.7, 81.7]	100.0
Pearson: Uncorrected chi2(1) =	194.1535				
Design-based F(1.00, 2884.00) =	17.5922	Pr =	0.000		
<b>Total (n=508)</b>	<b>59.8</b>	<b>[54.2, 65.3]</b>	<b>40.2</b>	<b>[34.7, 45.8]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence.  $\phi = 0.62$ . Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no).

### 6.6.2 Private insurance (2017) by job change in last 12 months (2017), among respondents no longer enrolled

	Private insurance (2017)				Total Row%
	Do not have it Row%	95%CI	Currently have it Row%	95%CI	
<b>Job change in last 12 months (2017)</b>					
Yes (n=81)	34.3	[23.3, 47.2]	65.7	[52.8, 76.7]	100.0
No (n=194)	37.5	[29.4, 46.5]	62.5	[53.5, 70.6]	100.0
Pearson: Uncorrected chi2(1) =	2.5501				
Design-based F(1.00, 2651.00) =	0.1824	Pr =	0.669		
<b>Total (n=508)</b>	<b>59.8</b>	<b>[54.2, 65.3]</b>	<b>40.2</b>	<b>[34.7, 45.8]</b>	<b>100.0</b>

**Notes:**  $\chi^2$  test of independence.

### 6.6.3 Predictors of private insurance (2017), among respondents no longer enrolled

	Private insurance (2017)		
	aOR	95% CI	p-value
<b>Change in employment (from 2016-2017)</b>			
No employment gain		Reference	
Employment gain	2.74	[1.342, 5.585]	0.006
<b>Fair/poor health (2017)</b>			
No		Reference	
Yes	0.68	[0.314, 1.480]	0.332
<b>Age (DW)</b>			
19-34		Reference	
35-50	1.05	[0.573, 1.908]	0.884
51-64	0.52	[0.261, 1.017]	0.056
<b>Gender (DW)</b>			
Male		Reference	
Female	0.62	[0.368, 1.032]	0.066
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	0.75	[0.410, 1.361]	0.340
Hispanic	2.08	[0.650, 6.689]	0.216
Other, non-Hispanic	1.10	[0.447, 2.704]	0.836
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	0.92	[0.481, 1.773]	0.810
100%+	0.89	[0.461, 1.714]	0.724
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	2.94	[1.671, 5.191]	0.000
Bachelor's/post graduate degree	3.94	[2.055, 7.572]	0.000
<b>Number of chronic conditions (DW)</b>	0.92	[0.767, 1.105]	0.373
<b>Major functional limitation (2017)</b>			
None		Reference	
Functional limitation	0.34	[0.149, 0.771]	0.010
<b>Constant</b>	0.80	[0.357, 1.787]	0.583
N	493		
F-value	5.737		
Model degrees of freedom	14.000		
Residual degrees of freedom	481.000		
F-value significance	0.000		

**Notes:** Multiple logistic regression. Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017. Survey items assessing employment and student status differed between 2016 and 2017 as follows. In 2016, a single item asked "What is your current job status. Are you currently...?", with respondents asked to select only one response option: employed/self-employed, out of work ( $\geq 1$  year), out of work ( $< 1$  year), homemaker, student, retired, or unable to work. In 2017, items were asked separately: a) "Are you currently in school?" (yes/no); b) "Are you currently employed or self-employed?" (yes/no). Major functional limitation was defined as missing 14-30 days of the past 30 days due to poor physical and/or mental health.

## 6.7 Perspectives on cost of insurance since HMP coverage ended (2017)

### 6.7.1 Current monthly insurance cost compared to HMP (2017) by type of insurance (2017), among respondents no longer enrolled

Type of insurance (2017)	Current monthly insurance cost compared to HMP (2017)								Total Row%
	About the same		Less		A little more		A lot more		
	Row%	95%CI	Row%	95%CI	Row%	95%CI	Row%	95%CI	
Medicaid (n=192)	79.4	[71.4, 85.6]	8.9	[5.5, 14.3]	6.5	[3.0, 13.4]	5.2	[2.2, 11.7]	100.0
Private, job (n=131)	12.0	[7.0, 19.7]	1.3	[0.3, 5.1]	33.0	[23.9, 43.6]	53.7	[42.6, 64.5]	100.0
Private, self or other, healthcare.gov (n=32)	12.5	[4.5, 30.4]	5.1	[1.1, 20.5]	11.5	[3.6, 30.8]	70.9	[49.7, 85.7]	100.0
Medicare, VA, or CHAMPUS (n=98)	28.4	[19.5, 39.5]	17.7	[9.1, 31.5]	13.1	[6.9, 23.6]	40.8	[28.7, 54.1]	100.0
Other, unspecified, or unknown (n=39)	34.1	[17.6, 55.5]	11.3	[4.1, 27.7]	11.6	[4.6, 26.5]	43.0	[26.3, 61.5]	100.0
Pearson: Uncorrected chi2(12) =	1410.9438								
Design-based F(11.33, 32489.31) =	14.7794	Pr =	0.000						

Notes:  $\chi^2$  test of independence. For current monthly insurance cost compared to HMP, respondents who answered "Don't know" were excluded from the analysis. Cramer's V= 0.40.

**6.7.2 Amount I pay now for my health insurance seems fair (2017) by type of insurance (2017), among respondents no longer enrolled**

	Amount I pay now for my health insurance seems fair (2017)			N
	Mean	SE	95%CI	
<b>Type of insurance (2017)</b>				
Medicaid	3.9	0.06	[3.8, 4.1]	200
Private, job	3.2	0.14	[2.9, 3.5]	135
Private, self or other, healthcare.gov	2.6	0.24	[2.2, 3.1]	32
Medicare, VA, or CHAMPUS	3.4	0.14	[3.1, 3.7]	103
Other, unspecified, or unknown	3.5	0.20	[3.1, 3.9]	34

Notes: Measured on a 5 point Likert scale where 5 indicates "strongly agree" and 1 indicates "strongly disagree".

**6.7.3 Amount I pay now for my health insurance is affordable (2017) by type of insurance (2017), among respondents no longer enrolled**

	Amount I pay now for my health insurance is affordable (2017)			N
	Mean	SE	95%CI	
<b>Type of insurance (2017)</b>				
Medicaid	4.0	0.06	[3.9, 4.1]	201
Private, job	3.4	0.11	[3.1, 3.6]	135
Private, self or other, healthcare.gov	2.9	0.21	[2.5, 3.3]	32
Medicare, VA, or CHAMPUS	3.5	0.13	[3.2, 3.7]	103
Other, unspecified, or unknown	3.6	0.19	[3.2, 3.9]	34

Notes: Measured on a 5 point Likert scale where 5 indicates "strongly agree" and 1 indicates "strongly disagree".

## 6.8 Thoughts about current insurance affordability (2017)

### 6.8.1 Thoughts about current insurance affordability (2017), among respondents still enrolled and those no longer enrolled with private insurance

	Current insurance is affordable (2017)			N
	Mean	SE	95%CI	
<b>Follow-up group</b>				
Still enrolled	4.0	0.02	[4.0, 4.1]	2,385
No longer enrolled with private insurance	3.3	0.10	[3.1, 3.5]	182

**Notes:** Current insurance is affordable is a derived variable that is measured on a 5-point Likert scale where 5 indicates "strongly agree" and 1 indicates "strongly disagree" to the following questions on the 2017 enrollee follow-up surveys: "The amount I pay now for my health insurance is affordable" for respondents no longer enrolled, and to the question "The amount I pay for the Healthy Michigan Plan is affordable" for respondents still enrolled.

**6.8.2 Predictors of thoughts about current insurance affordability (2017), among respondents still enrolled and those no longer enrolled with private insurance**

	Current insurance is affordable (2017)		
	Coef.	95% CI	p-value
<b>Follow-up group</b>			
Still enrolled		Reference	
No longer enrolled with private insurance	-0.79	[-0.991,- 0.598]	0.000
<b>Number of chronic conditions (DW)</b>	-0.01	[-0.041, 0.014]	0.330
<b>Age (DW)</b>			
19-34		Reference	
35-50	-0.11	[-0.216,- 0.002]	0.045
51-64	-0.01	[-0.107, 0.081]	0.791
<b>Gender (DW)</b>			
Male		Reference	
Female	-0.06	[-0.143, 0.018]	0.130
<b>Race/ethnicity (2016)</b>			
White, non-Hispanic		Reference	
Black, non-Hispanic	-0.26	[-0.356,- 0.161]	0.000
Hispanic	-0.14	[-0.329, 0.042]	0.129
Other, non-Hispanic	-0.25	[-0.439,- 0.069]	0.007
<b>FPL category (DW)</b>			
0-35%		Reference	
36-99%	-0.08	[-0.176, 0.010]	0.080
100%+	-0.19	[-0.292,- 0.095]	0.000
<b>Highest level of education (2017)</b>			
High school or less		Reference	
Associate's degree/some college	0.08	[-0.009, 0.171]	0.079
Bachelor's/post graduate degree	0.24	[0.116, 0.358]	0.000
<b>Constant</b>	4.25	[4.128, 4.362]	0.000
N	2,529		
F-value	11.326		
Model degrees of freedom	12.000		
Residual degrees of freedom	2,517.000		
F-value significance	0.000		

**Notes:** Multiple linear regression. Current insurance is affordable is a derived variable that is measured on a 5-point Likert scale where 5 indicates "strongly agree" and 1 indicates "strongly disagree" to the following questions on the 2017 enrollee follow-up surveys: "The amount I pay now for my health insurance is affordable" for respondents no longer enrolled, and to the question "The amount I pay for the Healthy Michigan Plan is affordable" for respondents still enrolled.

## 6.9 Problems paying medical bills since HMP coverage ended (2017)

### 6.9.1 Problems paying medical bills since HMP coverage ended (2017) by type of insurance (2017), among respondents no longer enrolled

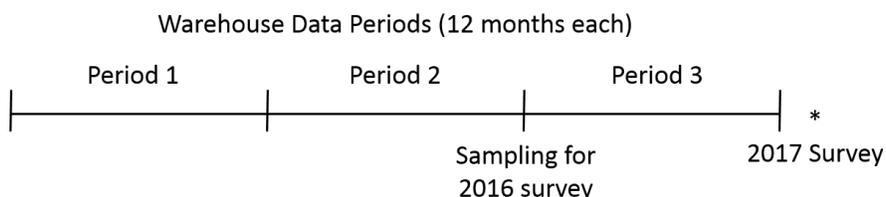
Type of insurance (2017)	Problems paying medical bills since HMP coverage ended (2017)				Total Row%
	Yes		No		
	Row%	95%CI	Row%	95%CI	
Medicaid (n=202)	14.9	[9.4, 22.9]	85.1	[77.1, 90.6]	100.0
Private, job (n=135)	20.3	[13.6, 29.1]	79.7	[70.9, 86.4]	100.0
Private, self or other, healthcare.gov (n=32)	29.9	[14.7, 51.3]	70.1	[48.7, 85.3]	100.0
Medicare, VA, or CHAMPUS (n=103)	24.8	[15.6, 36.9]	75.2	[63.1, 84.4]	100.0
Other, unspecified, or unknown (n=42)	21.9	[9.2, 43.6]	78.1	[56.4, 90.8]	100.0
Pearson: Uncorrected chi2(4) =	35.6308				
Design-based F(3.87, 11176.62) =	0.9665	Pr =	0.423		

Notes:  $\chi^2$  test of independence. For problems paying medical bills since HMP coverage ended, respondents who answered "Don't know" were excluded from the analysis.

**2017 Healthy Michigan Voices Follow-Up Survey**  
**Appendix C: Claims-Based and Derived Variable Definitions**

## Utilization measures

Utilization measures were based on administrative claims data drawn directly from the MDHHS Data Warehouse. Claims data were grouped into three 12-month periods, based on the enrollee's date of sampling for the 2016 HMV Enrollee Survey. Period 1 corresponds to the time period 12-24 months prior to sampling, Period 2 is 0-12 months prior to sampling, and Period 3 is 0-12 months post-sampling. The 2017 HMV Follow-Up Survey was fielded after Period 3.



## Receipt of preventive care

### Primary care visits

Identification of primary care visits was based on any visit with a procedure or revenue code included in the Healthcare Effectiveness Data and Information Set (HEDIS) Outpatient value set, with two additional elements:

1. A procedure code on the MDHHS Physician Primary Care Rate Increase Initiative list; and
2. A billing or rendering provider who was a Primary Care Provider of record for  $\geq 1$  Medicaid enrollee in the MDHHS Data Warehouse PCP table; or who had participated in Michigan's Primary Care Transformation (MiPCT) project and thus had been verified as a primary care provider; or who had a primary care specialty classification in both the Michigan Medicaid provider specialty table and the NPPES taxonomy table. NPIs known to be inaccurate from prior analyses were excluded.

### Cancer screening

Identification of cancer screening was based on the following procedure codes.

1. **Breast cancer screening:** Mammography procedure codes (77055, 77056, 77057, G0202, G0204, G0206)
2. **Cervical cancer screening:** Cervical cytology procedure codes (88141, 88142, 88143, 88150, 88164, 88175, G0123, G0124, G0143, G0145, P3000, Q0091)
3. **Colorectal cancer screening:** Flexible sigmoidoscopy procedure codes (45340, 45349, G0104), FOBT procedure codes (82270, 82274, G0328), and colonoscopy procedure codes (44388, 44389, 44394, 45378, 45380, 45381, 45382, 45383, 45384, 45385, 45388, 45391, 45398, G0105, G0121)

### Diabetes prevention program

Identification of diabetes care management/prevention programs was based on the following procedure codes.

1. G0108- Diab manage trn per indiv
2. G0109- Diab manage trn ind/group
3. 0403T- Diabetes prev standard curr- Health and behavior intervention for prevention of diabetes, minimum 60 minutes, per day

**Any dental visit**

Identification of dental visits was based on any procedure code beginning with D in procedure code field.

**Any nutrition service**

Identification of nutrition service was based on the claim having 1 of the following 3 characteristics:

1. Billing or rendering provider with Weight Watchers NPI= 1891941415
2. Billing or rendering provider NPI that matched taxonomy codes for "Diet" or "Nutrition"
3. Procedure Code S9470-Nutritional counseling, diet

**HPV testing**

Identification of HPV testing was based on the following procedures codes. 87621-Hpv dna amp probe

1. 87623-Hpv low-risk types
2. 87624-Hpv high-risk types
3. 87625-Hpv types 16 & 18 only

**STI testing**

Identification of STI testing was based on the following procedure codes.

1. 86631-Chlamydia antibody
2. 87110-Chlamydia culture
3. 3511F-Chlmyd/gonrh tst docd done
4. 86694-HERPES SIMPLEX NES ANTBDY
5. 86695-HERPES SIMPLEX TYPE 1 TEST
6. 86696-HERPES SIMPLEX TYPE 2 TEST
7. 86703-HIV-1/HIV-2 1 RESULT ANTBDY
8. 86701-HIV-1ANTIBODY
9. 86702-HIV-2 ANTIBODY
10. 87806-Hiv antigen w/hiv antibodies
11. 86689-Htlv/hiv confirmj antibody
12. 87850-N. gonorrhoeae assay w/optic
13. 80081-Obstetric panel
14. 87808-Trichomonas assay w/optic
15. 87661-Trichomonas vaginalis amplify

**Prescribed HMG CoA Reductase inhibitor (statin)**

Identification of statin therapy was based on pharmacy records for drug class: M4D-ANTIHYPERLIPIDEMIC - HMG COA REDUCTASE INHIBITORS.

**Nicotine replacement therapy (NRT) or varenicline prescription**

Identification of NRT was based on pharmacy records for drug classes: H7N- SMOKING DETERRENTS, OTHER, J3A- SMOKING DETERRENT AGENTS (GANGLIONIC STIM, OTHERS), and J3C-SMOKING DETERRENT-NICOTINIC RECEPT.PARTIAL AGONIST.

## **Vaccines**

### **Influenza vaccine**

Identification of flu vaccine receipt was based on flu vaccine administration dates in the Michigan Care Improvement Registry (MCIR), flu vaccine CPT codes in Medicaid claims data, and flu vaccine NDC codes in the Medicaid pharmacy data; receipt of any flu vaccine during 2015, 2016, or 2017 calendar years is included in this analysis.

### **Pneumonia vaccine**

Identification of pneumonia vaccine receipt was based on having at least one CPT code in Medicaid claims data, NDC code in the Medicaid pharmacy data, or MCIR record for a PCV13 or PPSV23 vaccine during CY2015, 2016, or 2017.

### **Other vaccines**

Identification of any other vaccine receipt was based on having at least one CPT code in Medicaid claims data, NDC code in the Medicaid pharmacy data, or MCIR record for any listed vaccine during CY2015 or 2016. This includes Td/Tdap, Zoster, Hepatitis A and B, HIB, HPV, Meningitis or Meningitis B, Varicella, and MMR during CY2015, 2016, or 2017.

### **Any preventive service**

Any of the above services with the exception of primary care visits are included in this definition.

## **Health Risk Assessment (HRA) completion**

Data were extracted from the Health Risk Assessment (HRA) table in the Data Warehouse for the first 24 months from initial enrollment (i.e., the combined Year 1 and Year 2 period), along with any information obtained during the pre-HMP enrollment period of February-March 2014. This information was used to categorize each enrollee's HRA status:

- HRA attestation – record includes physician attestation date, signaling completion of the HRA process
- HRA questions only – record includes enrollee responses to some/all questions on the patient portion of the HRA, but no physician attestation date
- No HRA record – lack of data for any HRA-related activity

For enrollees with a physician attestation date, the record identified a healthy behavior status:

- Selected a healthy behavior
- No healthy behaviors to address
- Not ready for change
- Serious condition / healthy behavior not required

## **Emergency department utilization claims**

Identification of ED visits was based on specifications in the HEDIS Emergency Department Utilization (EDU) measure. Consistent with HEDIS, ED visits that resulted in an inpatient admission were not counted, and non-institutional/non-surgical ED visits that occurred a day

prior to or after an institutional ED/Observation/Inpatient visit were removed. Two modifications of the HEDIS criteria were made, to allow results to represent the full range of ED utilization for the HMP population: (1) mental health/substance abuse ED visits were included, where HEDIS excludes them; and (2) three observation visit codes (G0378, G0379, revenue code 0762) were added to the HEDIS observation value set, along with codes G0380-G0384 for Hospital Type B emergency visits. ED visits were classified by level of complexity (low, medium, high, or unknown)

## **Outpatient utilization claims**

### **Primary care visits**

Identification of a primary care visit (PCP) required a procedure code or revenue code in the MDHHS Primary Care Incentive Rate "uplift" list AND a primary care provider NPI. A provider was considered a PCP if his/her NPI meets any of the following criteria:

1. Identified as primary care at any time during the MiPCT project.
2. Has a PCP assignment record in the data warehouse PCP table with an end date  $\geq$  4/1/2014 and does not have an NPPES taxonomy code in a hospital list.
3. Has evidence of being a primary care provider in both the Michigan Medicaid provider specialty/subspecialty table and the NPPES taxonomy table.

### **Mental health or substance abuse (MHSA) visits**

MH/SA Outpatient Visits are derived from the HEDIS Mental Health Utilization spec. An MH/SA visit must satisfy one of the following criteria:

1. MPT Stand Alone Outpatient Group 1 Value Set with a principal mental health diagnosis (Mental Health Diagnosis Value Set).
2. MPT Outpatient/ED Value Set with MPT Outpatient/ED POS Value Set and a principal mental health diagnosis (Mental Health Diagnosis Value Set).
3. MPT Stand Alone Outpatient Group 2 Value Set with a principal mental health diagnosis (Mental Health Diagnosis Value Set) billed by a mental health practitioner.

This method left out a series of H procedure codes representing various alcohol & drug services; we added all procedure codes beginning with 'H' to the 'stand-alone outpatient group 1' value set to supplement the H codes already included.

### **Other outpatient visits**

Other outpatient visits require a procedure code or revenue code in the HEDIS Outpatient value set (the same one used for the primary care visit spec). None of the outpatient visit categories include ED visits.

### **Any prescription claims**

Use of prescription drugs was based on any claim for a prescription (Rx code) during the time period, regardless of prescription type.

## **Chronic conditions**

### **Chronic disease defined by claims-based diagnostic codes**

Chronic disease was identified using diagnosis codes including asthma, arthritis, cancer, chronic kidney disease, COPD, diabetes mellitus, heart failure or ischemic heart disease, hypertension, and stroke/transient ischemic attack.

### **Mental and behavioral health conditions or substance use disorders (MH/SUD)**

Mental health disorders are defined using ICD-9 and ICD-10 codes for mental health disorders, including the following:

1. Anxiety disorders
2. ADHD, Conduct Disorders, and Hyperkinetic Syndrome
3. Bipolar Disorder
4. Depressive Disorders
5. Personality Disorders
6. Post-Traumatic Stress Disorder (PTSD)
7. Schizophrenia and Other Psychotic Disorders
8. Other Mental Health Disorders

Substance use disorders are defined using ICD-9 and ICD-10 codes for substance use disorders, including the following:

1. Alcohol Use Disorders
2. Drug Use Disorders – Cannabis
3. Drug Use Disorders – Caffeine
4. Drug Use Disorders – Hallucinogens
5. Drug Use Disorders – Inhalants
6. Drug Use Disorders – Opioids
7. Drug Use Disorders – Sedatives, Hypnotics, Anxiolytics
8. Drug Use Disorders – Stimulants
9. Drug Use Disorders – Other or Unknown
10. Drug Use Disorders – Polysubstance

## **Derived variables**

### **Change in employment (from 2016-2017)**

Change in employment was defined as respondents who reported not being employed/self-employed in 2016 and then reported being employed/self-employed in 2017.

### **Major functional limitation (2017)**

Major functional limitation was defined as missing 14-30 days of the past 30 days due to poor physical and/or mental health.

### **Positive employment-related outcome (2017)**

Positive employment-related outcome was defined as a "yes" response to any of the following survey items from the 2017 follow-up survey: "the Healthy Michigan Plan helped me do a better job at work", "the Healthy Michigan Plan helped me get a better job", or "the Healthy Michigan Plan has made me better able to look for a job".

### **Improved health (from 2016-2017)**

Improved health was defined as respondents who reported fair/poor health in 2016 and no longer reported fair/poor health in 2017.

### **Improved oral health**

Improved oral health was defined as respondents who that their oral health got better in the past year.

### **Worsened oral health (2017)**

Worsened oral health was defined as respondents who reported that their oral health got worse in the past year.

### **New chronic condition diagnosis in 2017 (from 2016-2017 survey and/or DW)**

New chronic condition diagnosis in 2017 was defined as a new diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2017 as indicated by self-report and/or data warehouse when there was no diagnosis present either 2 years or 1 year before enrollment as indicated by self-report and/or Data Warehouse.

### **New chronic condition diagnosis (2016)**

New chronic condition diagnosis in 2016 was defined as a new diagnosis of asthma, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke in 2016 as indicated by self-report.

### **Chronic condition (2016 or 2017 survey and/or DW)**

Chronic condition was defined as a diagnosis of asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or Data Warehouse.

### **Two or more chronic conditions (2016 or 2017 survey and/or DW)**

Two or more chronic conditions was defined as being diagnosed with two or more of the following chronic conditions: asthma, arthritis, cancer, COPD, diabetes, hypertension, heart disease, and/or stroke as indicated by self-report in 2016 or 2017 and/or Data Warehouse.

**Forgone health care due to financial reasons (2017)**

Forgone health care due to financial reasons was defined as respondents who reported forgone health care, either in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled, due to the following reasons: cost, no insurance coverage, or needing a service that was not covered.

**Health professional discussed exercise (2016 or 2017)**

Health professional discussed exercise was defined as respondents who reported discussing exercise with a health professional in either 2016 or 2017.

**Health professional discussed diet/nutrition (2016 or 2017)**

Health professional discussed diet/nutrition was defined as respondents who reported discussing diet/nutrition with a health professional in either 2016 or 2017.

**Health professional discussed safe alcohol use (2016 or 2017)**

Health professional discussed safe alcohol use was defined as respondents who reported discussing safe alcohol use with a health professional in either 2016 or 2017.

**Increased or maintained exercise frequency (from 2016-2017)**

Increased or maintained exercise frequency was defined as respondents who reported a higher exercise frequency in 2017 compared to 2016 or reported exercising 3-6 days or every day in the last 7 days in both 2016 and 2017.

**Sugary drink consumption (change 2016-2017)**

Change in sugary drink consumption was defined as 'worse' if respondents reported a higher frequency of sugary drink consumption in 2017 compared to 2016, 'same' if respondents reported the same frequency of sugary drink consumption in 2017 as in 2016, or 'better' if respondents reported a lower frequency of sugary drink consumption in 2017 compared to 2016; respondents who reported 0 days of sugary drink consumption in the last 7 days in both 2016 and 2017 were excluded.

**Decreased or maintained sugary drink consumption (from 2016-2017)**

Decreased or maintained sugary drink consumption was defined as respondents who reported a lower frequency of sugary drink consumption in 2017 compared to 2016 or reported 0 days of sugary drink consumption in the last 7 days in both 2016 and 2017.

**Increased or maintained fruit and vegetable consumption (from 2016-2017)**

Increased or maintained fruit and vegetable consumption was defined as respondents who reported a higher frequency of fruit and vegetable consumption (3+ servings in a day) in 2017 compared to 2016 or reported consuming 3+ servings of fruit and vegetables per day every day in the last 7 days in both 2016 and 2017.

**Decrease in binge drinking frequency (from 2016-2017)**

Decrease in binge drinking frequency was defined as respondents who reported a lower frequency of binge drinking in 2017 compared to 2016.

### **Current insurance is affordable (2017)**

Current insurance is affordable is based on a 5-point Likert scale, dichotomizing strongly agree/agree vs. strongly disagree/disagree/neutral/don't know responses to the following questions on the 2017 enrollee follow-up surveys: "The amount I pay now for my health insurance is affordable" for respondents no longer enrolled, and to the question "The amount I pay for the Healthy Michigan Plan is affordable" for respondents still enrolled.

### **Knowledge of HMP covered benefits and costs**

Knowledge of HMP covered benefits and costs is defined as the count of correct answers to a series of questions about HMP, which were common to both the 2016 and 2017 surveys (Range 0-6). These questions include: I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK; I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK; Some kinds of visits, tests and medicines have no copays. Y/N/DK; Do you think the following are covered under Healthy Michigan Plan, not covered, or you don't know: Eyeglasses, routine dental care, counseling for mental or emotional problems.

### **Quit smoking or using tobacco (from 2016-2017)**

Quit smoking or using tobacco (from 2016-2017) was defined as respondents who reported using tobacco within the past 30 days in 2016 and no longer reported using tobacco with the past 30 days in 2017.

### **Regular source of care is not the ER in last 12 months**

Regular source of care is not the ER in last 12 months was defined as respondents who reported that their regular source of care is a clinic, doctor's office, urgent care, walk-in clinic, other type of place, or don't know.

### **Regular source of care is not the ER**

Regular source of care is not the ER was defined as respondents who reported that their regular source of care is a clinic, doctor's office, urgent care, walk-in clinic, other type of place, or don't know in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled.

### **Forgone health care (2017)**

Forgone health care was defined as respondents who reported forgone health care either in the last 12 months for respondents still enrolled or since HMP coverage ended for respondents no longer enrolled.

### **ER visit (2016 or 2017)**

ER visit had different wording between follow-up groups; for respondents still enrolled, the question asked was "During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"; for respondents no longer enrolled, the question asked was "Since your Healthy Michigan Plan insurance ended, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)?"

# 2017 Healthy Michigan Voices Follow-Up Survey

## Appendix D: Details of Weighting Adjustment

### Base Selection Weight

For base selection weight calculation, we started with all respondents from HMV 2016 and the final weight ( $w_6$  in the data set) given to every 2016 *Healthy Michigan Voices* Enrollee Survey respondent. The follow-up survey was administered with 2016 *Healthy Michigan Voices* Enrollee Survey respondents who consented to be followed up. Even though the consent rate was very high at 96.4% (unweighted), not everyone consented. To compensate for this, we applied the following adjustment factor:

$$fu\_f_{1,hi} = \begin{cases} 0, & \text{if } i \text{ did not consent} \\ \frac{\sum_{i \in h} w_{6,i}}{\sum_{i \in h} I\_C_i \times w_{6,i}}, & \text{if } i \text{ consented} \end{cases}$$

where  $w_{6,i}$  is the final weight of respondent  $i$  from HMV 2016 and  $I\_C_i$  is a 1/0 indicator for consent status (1: consent, 0: not consent). Note that this factor is specific to each sampling stratum,  $h$ . This adjustment factor,  $fu\_f_{1,hi}$ , assumes that consenters in a stratum  $h$  represent non-consenters. The resulting base weight of the follow-up survey is:

$$fu\_w_{1,i} = fu\_f_{1,hi} \times w_{6,i}$$

### Nonworking Number Adjustment

We used the following adjustment factor,  $fu\_f_{2,hi}$ , for nonworking numbers considered out of our target population.

$$fu\_f_{2,hi} = \begin{cases} 0, & \text{if } i \text{ is not working number} \\ \frac{\sum_{i \in h} fu\_w_{1,i}}{\sum_{i \in h} (I\_WR_i \times fu\_w_{1,i})}, & \text{if } i \text{ is a working number} \end{cases}$$

where  $I\_WR_i$  is a 1/0 indicator for working number status (1: working number, 0: nonworking number). The resulting weight is:

$$fu\_w_{2,i} = fu\_f_{2,hi} \times fu\_w_{1,i}$$

### Unknown Eligibility Adjustment

An adjustment factor is applied to the weight from the previous stage to account for those that were working numbers but contact was not established as follows.

$$fu\_f_{3,hi} = \begin{cases} 0, & \text{if eligibility is unknown for } i \\ \frac{\sum_{i \in h} fu\_w_{2,i}}{\sum_{i \in h} (I\_UE_i \times fu\_w_{2,i})}, & \text{if eligibility is known for } i \end{cases}$$

where  $I_{UE_i}$  is a 1/0 indicator for unknown eligibility status (1: known eligibility; 0: unknown eligibility). The resulting weight is:

$$fu_{w_{3,i}} = fu_{f_{3,hi}} \times fu_{w_{2,i}}$$

#### Known Eligibility Adjustment

Those who were contacted but were not eligible for various reasons were removed through the following approach:

$$fu_{f_{4,hi}} = \begin{cases} 0, & \text{if } i \text{ is ineligible} \\ \frac{\sum_{i \in h} fu_{w_{3,i}}}{\sum_{i \in h} (I_{EL_i} \times fu_{w_{3,i}})}, & \text{if } i \text{ is eligible} \end{cases}$$

where  $I_{EL_i}$  is a 1/0 indicator for eligibility status (1: eligible; 0: ineligible). The resulting weight is:

$$fu_{w_{4,i}} = fu_{f_{4,hi}} \times fu_{w_{3,i}}$$

#### Nonresponse Adjustment

As examined in Table 2 above, there were some meaningful differences between respondents and nonrespondents. We made an adjustment for nonresponse using a logistic regression approach that controlled for the age, sex, race/ethnicity, first month on HMP and sampling stratum, which combines FPL and region. The adjustment factor,  $fu_{f_{5,i}}$ , is the inverse of response propensity predicted from the logistic regression. The resulting weight is:

$$fu_{w_{5,i}} = fu_{f_{5,i}} \times fu_{w_{4,i}}$$

#### Post-stratification

The target population of the 2017 HMP Follow-Up Survey were assumed to be the same as that of the 2016 HMP Enrollee Survey for a size of 384,262. Because age, sex, race/ethnicity and sampling stratum of follow-up respondents are known from the Data Warehouse, any potential discrepancies in these characteristics between the target population and the nonresponse adjusted sample were controlled in the post-stratification. In order to reduce the effect of a large variation in weights, weights were trimmed and normalized to the population totals. The resulting weight is  $fu_{w_{6,i}}$ . When using this post-stratified weight, the sample matches the target population perfectly with respect to age, sex, race/ethnicity and sampling stratum.

# 2017 Healthy Michigan Voices Follow-Up Survey

## Appendix E: Survey Instrument For Those Still Enrolled

### Operationalized Version

[MAKING CONTACT/AGREEMENT TO PARTICIPATE]

Hi, can I speak with [RESP firstname]? This is [interviewer firstname] with the Healthy Michigan Voices project at the University of Michigan.

[If answered by another person] We want to give \_\_\_\_\_ an opportunity to participate in the Healthy Michigan Voices project. When would be a good time to call back? \_\_\_\_\_. Also, I'd like to leave a toll-free number where [RESP] can call us back. The number is 844-263-8402.

[If Voicemail] Hi, this message is for [firstname]. This is [interviewer firstname] with the Healthy Michigan Voices Project at the University of Michigan. **We spoke with you about a year ago, and would like to speak with you again about a follow-up survey and your opportunity for another \$25 gift card. When you have about 15 minutes to take the survey, or you'd like to schedule a call-back time, please give us a call back at our toll free number: 844-263-8402. Again, that's the Healthy Michigan Voices Project at 844-263-8402. Thank you.**

#### **INT00: If you have the enrollee on the phone:**

Healthy Michigan Voices is a project at the University of Michigan – you may remember completing a phone survey with us about a year ago. We're checking back with people we interviewed last year, to get their views about what's working well and what may need to be improved.

The follow-up survey takes about 15 minutes, and you'll receive another \$25 gift card for participating. Does this sound like something you'd have time for today?

**INT10:** Okay, just a couple of quick things for you to know before we start:

- The survey is confidential. We will not tell the state, your health plan, or your doctor any of the specific answers you give on the survey.
- Participating in the survey is voluntary -- if there are any questions you don't want to answer, you can skip them.
- For completing the survey, you get a \$25 gift card that can be used anywhere that accepts MasterCard. And I'll tell you more about that at the end.

Do you have any questions before we begin?

**RECORD\_CALL:** For quality assurance and training purposes, can we record this call? Yes/No [If respondent says no, verify that recorder is turned off]

**[once recorder is on]** Ok, we have your ID listed as <\$Q>.

**CH\_DOB:** And just to confirm that I'm talking with the right person, we show that you were born in <MONTH> <YEAROFB>. Is that correct? Yes/No [TEXT BOX if no]

**CK\_ENROL:** And our records show that you are currently enrolled in the Healthy Michigan Plan. Is that correct? Yes/No [TEXT BOX OPTION]

If NO: GO TO "FOLLOW-UP NO LONGER ENROLLED" Survey Pathway

*These first questions are about your health and health care.*

**Q1.** In general, would you say your health is: Excellent; Very Good; Good; Fair; OR Poor

**Q2.** Thinking about your physical health, which includes physical illness and injury: for how many days during the past 30 days was your physical health not good?

**Q3.** In the past year, would you say your physical health has gotten better, stayed the same, OR gotten worse?

**Q4.** Now thinking about your mental health, which includes stress, depression, and problems with emotions: for how many days during the past 30 days was your mental health not good?

**Q5.** In the past year, would you say your mental and emotional health has gotten better, stayed the same, OR gotten worse?

**Q6.** During the past 30 days, for how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

**Q7.** In the past year, has the health of your teeth and gums gotten better, stayed the same, OR gotten worse?

**Q8a.** How tall are you? \_\_\_\_\_

**Q8b.** How much do you weigh? \_\_\_\_\_

**Q9.** Has a doctor or other health professional ever told you that you had any of the following?

- a) Hypertension, also called high blood pressure? Yes/No
- b) A heart condition or heart disease? Yes/No
- c) Diabetes or sugar diabetes (other than during pregnancy)? Yes/No
- d) Cancer, other than skin cancer? Yes/No
- e) A mood disorder (For example, depression, anxiety, bipolar disorder)? Yes/No
- f) A stroke? Yes/No
- g) Asthma? Yes/No
- h) Chronic bronchitis, COPD or emphysema? Yes/No
- i) A substance use disorder? Yes/No
- j) Arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)? Yes/No
- k) Any other ongoing health condition? Yes/No If YES: **Q10a** What is the condition? [TEXT BOX]

*Now I'm going to ask about your recent experiences getting health care in the past 12 months.*

**Q10.** In the last 12 months, is there a place you usually go when you need a checkup, feel sick, or want advice about your health? Yes/ No/ Don't know/NA – haven't gotten care

If **Q10**=YES: **Q11.** What kind of a place was it? a clinic, doctor's office, urgent care/walk-in clinic, ER

If **Q11**=clinic/doctor's office:

**Q12.** And is this your primary care provider for your Healthy Michigan Plan Coverage? Yes/No

If **Q10**=No/Don't Know/NA OR **Q11**=urgent care/walk-in/ER or **Q12**=No:

**Q12a.** Do you have a primary care provider for your Healthy Michigan Plan Coverage? Yes/No

**Q13.** Is this the same primary care provider you had when we talked with you last year? Yes/No

If **Q13**=No: **Q13a.** Why did you change? [open-ended, check whatever mentioned]

- Didn't like it/wanted a new doctor
- Office closed or moved
- Switched health plans, had to change
- Other [TEXT BOX]

**Q14.** Have you seen your primary care provider in the past 12 months? (Yes/ No/Don't know)

If Q14=No: **Q14a.** Why not? [open-ended, check whatever mentioned]

- Healthy/didn't need to
- Couldn't get appointment
- Transportation/office too far away
- Don't like my PCP/office staff
- See a specialist instead
- Inconvenient hours
- Don't like doctors in general
- Other [TEXT BOX]

**Q15.** In the last 12 months, did you get dental care? Yes/No

**Q16.** In the last 12 months, was there any time when you didn't get the dental care you needed? Yes/No

If 16=YES: **Q16a.** Why didn't you get the care you needed? [open-ended; mark all mentioned]

- Dental plan wouldn't cover treatment/service
- Couldn't find provider that took your dental insurance
- Problems getting appointment
- Transportation/logistics
- Afraid of going to dentist
- Doesn't realize HMP covers dental at all
- Other [TEXT BOX]

**Q17.** During the past 12 months, did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)? Yes – complete Q18-19 /No – complete Q20

If Q17=YES: **Q18.** Thinking about the last time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room? Yes/No/NA – no PCP at the time of the ER visit

If Q18=YES: **Q18a.** Did you talk to someone? Yes/No

If Q18a=YES: **Q18b.** Why did you end up going to the ER? [open-ended, check whatever mentioned]

- No response from the provider
- Told to go to the ER
- Advice wasn't helpful
- Symptoms didn't improve or got worse
- You couldn't get an appointment soon enough
- Other [TEXT BOX]

**Q19.** Which of these were true about that last ER visit?

- a. You arrived by ambulance or other emergency vehicle Y/N/DK
- b. The problem was too serious for a doctor's office or clinic Y/N/DK
- c. Your doctor's office or clinic was not open Y/N/DK
- d. You needed to get care at a time that would not make you miss work or school Y/N/DK
- e. You went to the ER because it's your closest place to receive care Y/N/DK
- f. You went to the ER because you get most of your care at the emergency room Y/N/DK
- g. Any other reason you decided to go to the ER? [TEXT BOX]

If Q17=NO: **Q20.** Sometimes people need health care help or advice when their usual clinic or doctor's office is closed. In the last 12 months was there a time when you needed help or advice when your usual clinic or doctor's office was closed? Y/N

If Q20=YES: **Q20a.** Thinking about the last time, what did you do to get the health care help or advice you needed? [open-ended, check whatever mentioned]

- Phone/email with primary care office
- Got primary care appointment next day/soon
- Went to urgent care/walk-in clinic
- Got advice elsewhere (friends, internet, etc)
- Problem got better without seeking care
- Other \_\_\_\_\_

**Q21.** In the past 12 months, when you felt sick or wanted advice about your health, how easy or difficult was it to get an appointment to see your primary care provider? Would you say: Very easy/Easy/Neutral/Difficult/Very Difficult or Not Applicable?

If Q21= Difficult/Very Difficult: **Q21a.** What made it difficult? [open-ended, check whatever mentioned]

- Couldn't get through on the telephone
- Couldn't get an appointment soon enough
- Inconvenient hours
- Transportation
- My PCP not available / had to see another provider
- Don't like my PCP/office staff
- Other [TEXT BOX]

**Q22.** In the last 12 months, was there any time when you didn't get the health care you needed? Yes/No

If Q22=YES: **Q22a.** What type of care?

- Primary care visits
- Specialist visits
- Mental health
- Prescription medication
- Other [TEXT BOX]

If Q22=YES: **Q22b.** Why didn't you get the care you needed? [open-ended; mark all mentioned/loop if >1]

- Cost
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other [TEXT BOX]

*These next questions are about common types of healthy behaviors.*

**Q23.** In the last 7 days, how many days did you exercise for at least 20 minutes? Read categories if needed: Every day; 3-6 days; 1-2 days; 0 days

**Q24.** In the last 7 days, how many days did you drink soda or pop that contains sugar, sweetened fruit drinks, sports drinks, or energy drinks? (Do not include diet soda) Read if needed: Every day 3-6 days 1-2 days 0 days

**Q25.** In the last 7 days, how many days did you eat 3 or more servings of fruits or vegetables in a day? Read if needed: Every day 3-6 days 1-2 days 0 days

If questioned: Each time you ate a fruit or vegetable counts as one serving. It can be fresh, frozen, canned, cooked or mixed with other foods.

**Q26.** In the last 12 months, has a doctor, nurse, or other health professional talked with you about exercise? Y/N

**Q27.** In the last 12 months has a doctor, nurse or other health professional talked with you about diet and nutrition? Y/N

**Q28.** In the last 7 days, how many days did you have [autofill 5 or more for men, 4 or more for women] alcoholic drinks? Read if needed: Every day 3-6 days 1-2 days 0 days

If Q28=1 or more days: **Q28a.** In the last 12 months, has a doctor, nurse, or other health professional talked with you about safe alcohol use? Y/N

**Q29.** In the last 30 days have you smoked or used tobacco? Yes /No

If Q29=YES:

**Q30.** Do you want to quit smoking or using tobacco? Yes/No

If Q30=YES: **Q30a.** Are you working on cutting back or quitting right now? Yes/No

**Q31.** In the last 12 months, did you receive any advice or assistance from a health professional or your health plan on HOW to quit or cut back? Yes/No/Don't know

**Q32.** In the last 30 days, have you used drugs or medications to *affect your mood or help you relax*? This includes prescription drugs taken differently than how you were told to take them, as well as street drugs. Yes/No

If Q32=YES: **Q32a.** How often? Almost every day/Sometimes/Rarely/Never

If Q32a = Almost every day/Sometimes: **Q32b.** In the last 12 months, has a doctor, nurse, or other health professional talked with you about your use of these drugs or medications? Yes/No

People who enroll in the Healthy Michigan Plan are encouraged to complete a Health Risk Assessment each year. *The Health Risk Assessment form includes questions about your eating, exercise and other health habits; a section about choosing a healthy behavior to work on; and a section your provider's office should complete.*

**Q33.** In the last year, did you discuss the Health Risk Assessment with your doctor or someone at your primary care provider's office? Yes/No/Don't remember

If Q33=YES: **Q33a.** What healthy behavior did you choose to work on? [open-ended, code all mentioned]

Exercise/activity	Stress/mental health care
Nutrition/diet	Take medicine regularly
Lose weight	Monitor my blood pressure/blood sugar
Reduce/quit tobacco use	Go to the dentist
Flu shot	Return to doctor
Reduce/quit alcohol use	Other [TEXT BOX]
Treatment for substance use	Don't remember

If Q33a=anything: **Q33b.** WHY did you choose this healthy behavior? [open-ended]

Doctor suggested it

Something I wanted to do anyway

Easy to do

HMP would cover the cost

Other [TEXT BOX]: \_\_\_\_\_

*The next questions are about your Healthy Michigan coverage.*

**Q34.** I'm going to read some different types of health care, and you tell me if you think it is covered under Healthy Michigan Plan, not covered, or if you don't know. Don't worry if you don't know the answer – the state is just trying to find out what people do and don't know about the Healthy Michigan Plan. The first one is eyeglasses: do you think those are covered, not covered or don't know?

a. Eyeglasses covered/not covered/don't know

b. Prescription medications

- c. Routine dental care
- d. Treatment to stop smoking
- e. Birth control or family planning
- f. Counseling for mental or emotional problems
- g. Substance use treatment

Now I'm going to make some statements about the Healthy Michigan Plan coverage and costs. If you think the statement is correct, say "yes." If you think it is incorrect, say "no." If you don't know, say "don't know".

**Q35a.** I could be dropped from the Healthy Michigan Plan for not paying my bill. Y/N/DK

**Q35b.** I may get a reduction in the amount I might have to pay if I complete a health risk assessment. Y/N/DK

**Q35c.** Some kinds of visits, tests and medicines have no copays. Y/N/DK

**Q35d.** There is a limit on the total amount I have to pay each year for Healthy Michigan Plan insurance.

**Q36.** In the past year, have you received a statement from the state that showed the services you received through the Healthy Michigan Plan and how much you owe, if anything? It's called your MI Health Account Statement. Y/N

NOTE: MI Health Account statements are sent through the mail. You should get one of these statements

every few months, even if you don't owe anything. Do you remember anything like that?

If Q36=Yes: ask Q37-39

For the following statements, tell me if you strongly agree, agree, are neutral, disagree, or strongly disagree.

**Q37.** I carefully review each MI Health Account statement to see how much I owe.

**Q38.** The MI Health Account statements help me be more aware of the cost of health care.

**Q39.** Information I saw in a MI Health Account statement led me to change some of my decisions about health care.

#### ALL RESPONDENTS

**Q40.** For the next questions, tell me if you: *strongly agree, agree, are neutral, disagree, or strongly disagree.*

- a) The amount I have to pay overall for the Healthy Michigan Plan seems fair.
- b) The amount I pay for the Healthy Michigan Plan is affordable.
- c) Having the Healthy Michigan Plan has taken a lot of stress off me.
- d) Without the Healthy Michigan Plan, I wouldn't be able to go to the doctor.
- e) Without the Healthy Michigan Plan, I wouldn't be able to go to the dentist.

**Q41.** For these next few questions, I'm going to read some general statements about getting health, and you tell me if you: *strongly agree, agree, are neutral, disagree, or strongly disagree*

- a) Doctors treat people on Medicaid the same as people with private insurance.
- b) Medicaid helps people get a "leg-up" when they really need it.
- c) Many people on Medicaid do not want other people to know.
- d) A lot of people in this country don't respect those on Medicaid.
- e) There should be a limit on how long someone can be covered by Medicaid.
- f) It is very important to me personally to have health insurance.
- g) Getting discounts on copays and premiums as a reward for working on improving your health is a good idea.
- h) Everyone should have to pay something for their health care.
- i) If I have a medical problem, my preference is to go straight to a doctor and ask his or her opinion

**Q42.** In the last 12 months, have you had any questions or problems **using** your Healthy Michigan Plan insurance?

If Q42=YES: **Q42a:** What kind of questions or difficulties did you have? (open ended; check all that apply)

- Difficulty/inability finding a provider

- Needed a service that wasn't covered
- Difficulty finding out information
- Payment issues (making payments, charged incorrectly, did not know how/how much to pay)
- Other [TEXT BOX]

**Q43.** In the last 12 months, about how much did you spend out-of-pocket for your own medical and dental care?  
Record \$ \_\_\_\_\_ OR Don't Know

If Q43=DON'T KNOW: **Q43a.** I'll read some categories, and you stop me when I get to the amount you think is about right. less than \$50, from \$51-100, \$101-500, \$501 to \$2,000, \$2,001 to \$3,000, \$3,001 to \$5,000, or more than \$5,000?

INTERVIEWER NOTE: (1) Your best estimate is fine. (2) Include anything paid for prescription drugs, co-payments, insurance premiums and deductibles. Do not include anything paid by your health insurance.

*For these next questions, you can just answer yes or no.*

**Q44.** In the past 12 months, did you check how much you would pay for a doctor's visit, medication, or other health care service before you received care? Y/N/DK

If Q44=YES: **Q44a:** What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test
- Surgery or procedure
- Other [TEXT BOX]

**Q45.** In the past 12 months, did you compare quality ratings for any health care services at different places?

If Q45=YES: **Q45a:** What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test
- Surgery or procedure
- Other [TEXT BOX]

(Q46 Removed from survey 3/10/2017)

**Q47.** In the past 12 months, did you ask a health care provider to recommend a less costly prescription drug?

*Next we have just a few questions about you.*

**Q48.** Are you currently in school? Yes/No

If YES: **Q48a.** Are you a full-time or part-time student? Full-time/Part-time

**Q49.** Are you currently employed or self-employed? Yes/No

If Q49=YES:

**Q50a.** Are you working full time or part time? Full-time/Part-time

**Q50b.** In the past 12 months...about how many days did you miss work because of illness or injury (do not include maternity leave)?

**Q50c.** Have you changed jobs in the last 12 months? Y/N

If Q49=NO:

**Q51a** Are you out of work, unable to work, retired, or not looking for work at this time?

- 1 Out of work
- 2 Unable to work
- 3 Retired
- 4 Not looking for work at this time

**Q51b** How long have you been [out of work/unable to work/retired]?  
 Less than one year / One year or more

[if unable] **Q51c** Why are you unable to work?  
 Disabled / Poor health / Old age / Caregiving responsibilities / Other [TEXT BOX]

Notes: If Q48=YES, resp. should get Q52b, plus whatever employment questions are appropriate  
 If Q50c=YES, resp. should get Q52b, Q52c and Q52d  
 If Q50c=NO, resp. should get Q52a and Q52c  
 If OUT OF WORK (no matter how long), resp. should get Q52e  
 If UNABLE TO WORK **and** NOT IN SCHOOL, do not ask any of the Q52 questions  
 If RETIRED for **ONE YEAR OR MORE and** NOT IN SCHOOL, do not ask any of the Q52 questions  
 If NOT LOOKING FOR WORK (no matter how long), resp. should get Q52b

**Q52.** For the next questions, please answer Yes, No or Not applicable.

**Q52a:** The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.

**Q52b:** Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.

**Q52c:** The Healthy Michigan Plan helped me do a better job at work.

**Q52d:** The Healthy Michigan Plan helped me get a better job.

**Q52e:** The Healthy Michigan Plan has made me better able to look for a job.

**Q53.** What is the highest grade of school you have completed, or the highest degree you have received? [open-ended]

- Less than high school
- High school graduate (or equivalent)
- Some college (1-4 years, no degree)
- Associate's degree (including occupational or academic degrees)
- Bachelor's degree (BA, BS, AB, etc.)
- A post graduate degree (MS, MSW, MPH, MD, JD, etc.)

**Q54.** Are you: Married Divorced Widowed Separated Partnered Never Married

**Q55a.** In the past 3 years, how many places have you lived for one week or longer —including where you live now? Would you say: 1 / 2 / 3 / 4 or more

**Q55b.** Have you been homeless at any time in the last 12 months?

**Q56.** Would you like to add anything else about your experiences with the Healthy Michigan Plan? [TEXT BOX]

**End of Survey/Contact Information:**

**ADDRESS2** That's the end of the survey. Can you please confirm your address so we can send your gift card? [AUTOFILL address] You should receive the gift card in 1-3 weeks at that address.

**FOLLOWUPSURV** We may be conducting a follow-up survey. Would you be willing to have us recontact you for that? We're just asking for contact information – you can decide at that time if you'd like to participate. Y/N

**FOLLOWUPPHONE** If YES: What is the best phone number to reach you? [Record new #]

**FOLLOWUPTEXT** Can this number get text messages? Yes/No

**FOLLOWUPEMAIL** Is there an email address we can use to contact you? Y/N [record if given]

**INT99** Thanks so much for talking with me today! Look for your gift card in 1-3 weeks.

# 2017 Healthy Michigan Voices Follow-Up Survey

## Appendix F: Survey Instrument For Those No Longer Enrolled

### Operationalized Version

[MAKING CONTACT/AGREEMENT TO PARTICIPATE]

Hi, can I speak with [RESP firstname]? This is [interviewer firstname] with the Healthy Michigan Voices project at the University of Michigan.

[If answered by another person] We want to give \_\_\_\_\_ an opportunity to participate in the Healthy Michigan Voices project. When would be a good time to call back? \_\_\_\_\_. Also, I'd like to leave a toll-free number where [RESP] can call us back. The number is 844-263-8402.

[If Voicemail] Hi, this message is for [firstname]. This is [interviewer firstname] with the Healthy Michigan Voices Project at the University of Michigan. **We spoke with you about a year ago, and would like to speak with you again about a follow-up survey and your opportunity for another \$25 gift card. When you have about 15 minutes to take the survey, or you'd like to schedule a call-back time,** please give us a call back at our toll free number: 844-263-8402. Again, that's the Healthy Michigan Voices Project at 844-263-8402. Thank you.

#### **INT00: If you have the enrollee on the phone:**

Healthy Michigan Voices is a project at the University of Michigan – you may remember completing a phone survey with us about a year ago. We're checking back with people we interviewed last year, to check in on how they've been doing over the last year.

The follow-up survey takes about 15 minutes, and you'll receive another \$25 gift card for participating. Does this sound like something you'd have time for today?

**INT10:** Okay, just a couple of quick things for you to know before we start:

- The survey is confidential. We will not tell the state, your health plan, or your doctor any of the specific answers you give on the survey.
- Participating in the survey is voluntary -- if there are any questions you don't want to answer, you can skip them.
- For completing the survey, you get a \$25 gift card that can be used anywhere that accepts MasterCard. And I'll tell you more about that at the end.

Do you have any questions before we begin?

**RECORD\_CALL:** For quality assurance and training purposes, can we record this call? Yes/No [If respondent says no, verify that recorder is turned off]

**[once recorder is on]** Ok, we have your ID listed as <\$Q>.

**CH\_DOB:** And just to confirm that I'm talking with the right person, we show that you were born in <MONTH> <YEAROFB>. Is that correct? Yes/No [TEXT BOX if no]

**CK\_DISENROL:** And our records show that your last month in the Healthy Michigan Plan was [HMP last month/year autofilled]. Does that sound about right?

Yes – go to Q1

Recently got back on the Healthy Michigan Plan – go to HMV Follow-Up for Still Enrolled in HMP

On Medicaid but not HMP – go to Q1

No - wrong end date (but still off HMP) [TEXT BOX for explanation] - then go to Q1

So now I have a few questions about the end of your Healthy Michigan Plan insurance coverage.

**Q1.** Was it your choice to end your Healthy Michigan Plan enrollment?

If YES: Why did you decide to end your Healthy Michigan Plan enrollment? Was it...

- Q1a** Because you got other insurance coverage? Yes/No
- Q1b** Because you were not satisfied with the Healthy Michigan Plan? Yes/No
- Q1b1** If YES: What were you dissatisfied with? [TEXT BOX]
- Q1c** Because of some other reason? Yes/No [TEXT BOX if yes]

If NO: **Q1d.** Why did your Healthy Michigan Plan insurance end? [open-ended; check all mentioned]

- No longer eligible
- Didn't send in re-enrollment materials
- Don't know why
- Other [TEXT BOX]

**Q2.** Are you currently covered by any kind of health insurance or health care plan?

Yes—skip to Q4A / No - continue to Q3

**[If Q2=NO, NOT currently covered by health insurance]**

**Q3.** Did you have health insurance at any time since your Healthy Michigan Plan insurance ended?

Yes – continue with 3a / No – skip to 3e

If Q3=YES: **Q3a.** What type of health insurance did you have? [open-ended; *can have >1 type*]

- Insurance provided through a job or union  
If YES: **Q3a1.** Whose job is it? (respondent/family member)
- Insurance purchased by you or someone else  
If YES: **Q3a2.** Who purchased it? (respondent/family member)  
**Q3a3.** Was it purchased through the marketplace known as healthcare.gov? Y/N/DK  
If YES: **Q3a4.** Did you receive a subsidy? A subsidy is a benefit from the government that can lower your monthly health insurance payments according to your income. Y/N/DK
- Veterans Administration or VA care
- CHAMPUS, TRICARE
- Medicare
- County health plan
- Medicaid / MiChild / other state program
- Student health plan
- Other: [TEXT BOX]

**Q3b.** Why did that insurance coverage end?

- Lost job/employer coverage
- Too expensive
- Other [TEXT BOX]

**Q3c.** Since your Healthy Michigan Plan insurance ended, for how many months were you uninsured?

- Three months or less
- Four months to six months
- Seven months to 11 months
- More than 12 months
- Other [explain] [TEXT BOX]
- Don't know

**Q3d.** What are the MAIN reasons you currently do not have health insurance? [open-ended; check all]

- Job didn't offer health insurance / offered but too expensive
- No medical problems/didn't need insurance
- Too expensive to buy own policy
- Was waiting to get insurance through a job
- Had problems with applying
- Tried to enrolled in private insurance, redirected to Medicaid
- Just didn't get around to it
- Other [TEXT BOX]
- Don't know

**Q3e.** Do you think you will get health insurance within the next 6 months? Yes/No/Unsure/Don't Know

If YES: **Q3e1.** What type of health insurance? Employer/Medicaid/Medicare/Other [TEXT BOX]

If UNSURE: **Q3e2.** What type of health insurance do you think that would be?

Employer/Medicaid/Medicare/Other [TEXT BOX]

If Q2=YES: **Q4a.** What type of health insurance do you have?...

- Insurance provided through a job or union  
If YES: **Q4a1** Whose job is it? (respondent; family member)
- Insurance purchased by you or someone else  
If YES: **Q4a2** Who purchased it? (respondent; family member)  
**Q4a3** Was this insurance purchased through the marketplace known as healthcare.gov?  
Yes/No  
**Q4a4** If YES: Did [you/they] receive a subsidy? A subsidy is a benefit from the government that can lower your monthly health insurance payments according to your income. Yes/No
- Veterans Administration or VA care
- CHAMPUS, TRICARE
- Medicare
- County health plan
- Medicaid
- Other: [TEXT BOX]

**Q4b.** Was there any time since your Healthy Michigan Plan insurance ended that you didn't have any health insurance? Yes/No

If YES: **Q4b1.** How long were you uninsured? [record response; offer categories if needed]

- Three months or less
- Four months to six months
- Seven months to 11 months
- More than 12 months
- Other [explain] [TEXT BOX]
- Don't know

**Q4c.** What were the main reasons you were without health insurance for that time? [open-ended]

- Job didn't offer health insurance / offered but too expensive
- No medical problems/didn't need insurance
- Too expensive to buy own policy
- Was waiting to get insurance through a job
- Had problems with applying
- Tried to enrolled in private insurance, redirected to Medicaid

- Just didn't get around to it
- Other [TEXT BOX]

**Q4d.** Back to the health insurance you currently have...Is your current health insurance plan in your name or someone else's? In my name/Someone else's name

**Q4d1.** If SOMEONE ELSE'S: What is your relationship to that person? Spouse/Former spouse/ Other family member/Some other relationship/Don't know

How much are the health insurance premiums? Give the dollar amount and how often it is paid, for example, \$100 a month. Include what is taken out of a paycheck to cover insurance premiums. *Include cost covered by anyone on your behalf EXCEPT an employer.*

<p><b>Q4e1</b> [TEXT BOX \$____]          \$0/          \$1-\$99/          \$99-\$199          \$200 or more          Don't know</p>	<p><b>Q4e3</b> Every week/          Every 2 weeks/bi-monthly          Once a month/          Quarterly (every 3 months)/          Twice a year          Once a year/          N/A - \$0          Other [TEXT BOX]          Don't know</p>
<p><b>Q4e2</b> <i>If Don't Know for either \$ or timeframe:</i>          Would you say the amount per month is:          \$0          \$1-\$99          \$99-\$199          \$200 or more          Don't know</p>	

[Ask ONLY for those who currently have private coverage and insurance in respondent's name]

**Q4f.** Who is covered under your current health insurance plan?

- Just me
- Me and at least one other family member
- Don't know

**Q4g.** A deductible is the amount of money you yourself have to pay for health care services before your health insurance will start paying. Does this health plan have a deductible? Yes/No/Don't know

TRAINING NOTE: Sometimes there are services covered before the deductible is met (IF RESPONDENT CONFUSES DEDUCTIBLE AND CO-PAY: A co-pay is payment for a doctor visit or other medical service and a deductible is the amount you pay before your insurance plan will start paying any part of your medical bills.

[if 4G=Yes] Is the annual deductible for medical care for this plan:

<p><b>Q4g1a</b> <i>If individual plan:</i>          less than \$1,300/          between \$1,300 and \$2,600 or          more than \$2,600?</p>	<p><b>Q4g1b</b> <i>[If 2+ persons covered by this plan:]</i>          less than \$2,600,          between \$2,600 and \$5,200 or          more than \$5,200?</p>
--	--

TRAINING NOTE: If there is a separate deductible for prescription drugs, hospitalization, or out-of-network care, do not include those deductible amounts here.

*These next questions are about your health and health care.*

**Q5.** In general, would you say your health is: Excellent; Very Good; Good; Fair; OR Poor

**Q6.** Thinking about your physical health, which includes physical illness and injury: for how many days during the past 30 days was your physical health not good?

**Q7.** In the past year, would you say your physical health has gotten better, stayed the same, OR gotten worse?

**Q8.** Now thinking about your mental health, which includes stress, depression, and problems with emotions: for how many days during the past 30 days was your mental health not good?

**Q9.** In the past year, would you say your mental and emotional health has gotten better, stayed the same, OR gotten worse?

**Q10.** During the past 30 days, for how many days did poor physical or mental health keep you from doing your usual activities, such as self-care, work, or recreation?

**Q11.** In the past year, has the health of your teeth and gums gotten better, stayed the same, OR gotten worse?

**Q12.** How tall are you? \_\_\_\_\_

**Q13.** How much do you weigh? \_\_\_\_\_

**Q14.** Has a doctor or other health professional ever told you that you had any of the following?

- a) Hypertension, also called high blood pressure? Yes/No
- b) A heart condition or heart disease? Yes/No
- c) Diabetes or sugar diabetes (other than during pregnancy)? Yes/No
- d) Cancer, other than skin cancer? Yes/No
- e) A mood disorder (For example, depression, anxiety, bipolar disorder)? Yes/No
- f) A stroke? Yes/No
- g) Asthma? Yes/No
- h) Chronic bronchitis, COPD or emphysema? Yes/No
- i) A substance use disorder? Yes/No
- j) Arthritis or a related condition (for example, rheumatoid arthritis, gout, lupus, or fibromyalgia)? Yes/No
- k) Any other ongoing health condition? Yes/No If YES: What is the condition? [TEXT BOX]

*Now I'm going to ask about your recent experiences getting health care.*

**Q15. Since your Healthy Michigan Plan insurance ended,** is there a place you usually go when you need a checkup, feel sick, or want advice about your health? Yes/ No/ Don't know/NA – haven't gotten care

If Q15=YES:

**Q15a.** What kind of a place was it? a clinic, doctor's office, urgent care/walk-in clinic, ER

If Q15a=clinic/ doctor's office: **Q15b.** Is this the same place as your Healthy Michigan Plan primary care provider? Yes/No

**Q16. Since your Healthy Michigan Plan insurance ended,** did you go to a hospital emergency room about your own health (whether or not you were admitted overnight)? Yes – complete Q17 /No – skip to Q18

If 16=YES: **Q17.** Thinking about the most recent time you were at the emergency room, did you try to contact your usual provider's office before going to the emergency room? Yes/No/NA – no usual provider

If Q17=YES: **Q17a.** Did you talk to someone? Yes/No

If Q17a=YES: **Q17b.** Why did you end up going to the ER? [open-ended, check whatever mentioned]

- No response from the provider
- Told to go to the ER
- Advice wasn't helpful
- Symptoms didn't improve or got worse
- You couldn't get an appointment soon enough
- N/A don't have a usual provider right now
- Other [TEXT BOX]

**Q18.** Since your Healthy Michigan Plan insurance ended, have you had to change any of your providers? Yes/No

**Q18a.** If YES: Which providers? [open-ended; mark all mentioned]

- Primary care provider
- Specialist
- Mental health provider
- Dentist
- Other [TEXT BOX]

**Q19.** Since your Healthy Michigan Plan insurance ended, was there any time when you didn't get the health care you needed? Yes/No

**Q19a.** If YES: What type of care? [open-ended; mark all mentioned]

- Primary care visits
- Specialist visits
- Mental health
- Prescription medication
- Other [TEXT BOX]

**Q19b.** If YES: Why didn't you get the care you needed? [open-ended/mark all; loop Q19a types]

- Cost
- No insurance coverage
- Plan wouldn't cover services needed
- Couldn't find provider that took your insurance
- Problems getting appointment
- Transportation/logistics
- Other [TEXT BOX]

**Q20.** Since your Healthy Michigan Plan insurance ended, was there any time when you didn't get the dental care you needed? Yes/No

If Q20=YES: **Q20a.** Why didn't you get the care you needed? [open-ended; mark all mentioned]

- Dental plan wouldn't cover treatment/service
- Couldn't find provider that took your dental insurance
- Problems getting appointment
- Transportation/logistics
- Afraid of going to dentist
- Doesn't realize HMP covers dental at all
- Other [TEXT BOX]

**Q21.** Overall, how does the amount you currently pay for your health care in a typical month compare to what you were paying with your Healthy Michigan Plan insurance? Would you say: About the same/Less /A Little More /A lot more

**Q22.** Since your Healthy Michigan Plan insurance ended, have you had problems paying medical bills? Yes/No  
IF Q22=YES: **Q22a** Since your Healthy Michigan insurance ended, have your problems paying medical bills Gotten worse/Stayed the same/Gotten better?

*These next few questions ask for your opinions about the Healthy Michigan Plan.*

**Q23.** Tell me if you: Strongly agree/Agree/Are neutral/Disagree/Strongly disagree

- a) The amount I paid for the Healthy Michigan Plan seemed fair.
- b) The amount I paid for the Healthy Michigan Plan was affordable.
- c) I worry more about something bad happening to my health since my Healthy Michigan Plan insurance ended.

**Q24.** For these next questions, tell me if you: Strongly agree/Agree/Are neutral/Disagree/Strongly disagree

- a) [If CURRENTLY INSURED]: The amount I pay now for my health insurance seems fair.
- b) [If CURRENTLY INSURED]: The amount I pay now for my health insurance is affordable.
- c) Getting discounts on copays and premiums as a reward for working on improving your health is a good idea.
- d) Everyone should have to pay something for their health care.
- e) It is very important to me personally to have health insurance.
- f) People without health insurance need to worry a lot about being wiped out financially.

**Q25.** For these next few questions, I'm going to read some general statements about getting health care, and you tell me if you: Strongly agree/Agree/Are neutral/Disagree/Strongly disagree

- a) I'm often embarrassed to go see a doctor.
- b) Getting regular check-ups is not very important when you are healthy.
- c) Going to public or free clinics is just fine with me.
- d) Sometimes I go to the ER because I know they can't turn me away.
- e) Sometimes I go to the ER because I don't have another place to get care.
- f) Many people are treated poorly when they are applying for Medicaid.
- g) Doctors treat people on Medicaid the same as people with private insurance.
- h) Medicaid helps people get a "leg-up" when they really need it.
- i) Many people on Medicaid do not want other people to know.
- j) A lot of people in this country don't respect those on Medicaid.
- k) There should be a limit on how long someone can be covered by Medicaid.

*For these next questions, you can just answer yes or no.*

**Q26.** In the past 12 months, did you check how much you would pay for a doctor's visit, medication, or other health care service before you received care? Y/N/DK

If Q26=YES: **Q26a:** What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test
- Surgery or procedure
- Other [TEXT BOX]

**Q27.** In the past 12 months, did you compare quality ratings for any health care services at different places?

If Q27=YES: **Q27a:** What type of health care was this for? (open ended; check all that apply)

- Doctor's visit
- Medication
- Lab test / imaging test
- Surgery or procedure

Other [TEXT BOX]

(Q28 Removed from survey 3/10/2017)

**Q29.** In the past 12 months, did you ask a health care provider to recommend a less costly prescription drug?

*Next we have just a few questions about you.*

**Q30.** Are you currently in school? Yes/No

If YES: **Q30a1** Are you a full-time or part-time student? Full-time/Part-time

**Q31.** Are you currently employed or self-employed? Yes/No

If Q31=YES: **Q31a.** Are you working full time or part time? Full-time/Part-time

**Q31b.** In the past 12 months...about how many days did you miss work because of illness or injury (do not include maternity leave)?

**Q31c.** Have you changed jobs in the last 12 months? Y/N

If Q31=NO: **Q32a.** Are you out of work, unable to work, retired, or not looking for work at this time?

- 1 Out of work
- 2 Unable to work
- 3 Retired
- 4 Not looking for work at this time

**Q32b.** How long have you been [out of work/unable to work/retired]?

Less than one year / One year or more

[if unable] **Q32c.** Why are you unable to work?

Disabled / Poor health / Old age / Caregiving responsibilities / Other [TEXT BOX]

**Notes:** If Q30=YES, resp. should get Q33b, plus whatever employment questions are appropriate

If Q31c=YES, resp. should get Q33b, Q33c and Q33d

If Q31c=NO, resp. should get Q33a and Q33c

If OUT OF WORK (no matter how long), resp. should get Q33e

If UNABLE TO WORK **and** NOT IN SCHOOL, do not ask any of the Q33 questions

If RETIRED for **ONE YEAR OR MORE and** NOT IN SCHOOL, do not ask any of the Q33 questions

If NOT LOOKING FOR WORK (no matter how long), resp. should get Q33b

**Q33.** For the next questions, please answer Yes, No or Not applicable.

a: The Healthy Michigan Plan gave me insurance when I couldn't get insurance at my job.

b: Having the Healthy Michigan Plan helped me stay insured between jobs or between school and a job.

c: The Healthy Michigan Plan helped me do a better job at work.

d: The Healthy Michigan Plan helped me get a better job.

e: The Healthy Michigan Plan has made me better able to look for a job.

**Q34.** What is the highest grade of school you have completed, or the highest degree you have received? [open-ended / mark correct category]

- Less than high school
- High school graduate (or equivalent)
- Some college (1-4 years, no degree)
- Associate's degree (including occupational or academic degrees)
- Bachelor's degree (BA, BS, AB, etc.)
- A post graduate degree (MS, MSW, MPH, MD, JD, etc.)

**Q35.** Are you: Married Divorced Widowed Separated Partnered Never Married

**Q36a.** In the past 3 years, how many places have you lived for one week or longer – including where you live now? Would you say: 1 / 2 / 3 / 4 or more

**Q36b.** Have you been homeless at any time in the last 12 months? Yes/no

**Q37.** Would you like to add anything else about your experiences with the Healthy Michigan Plan? [TEXT BOX]

**End of Survey/Contact Information:**

**ADDRESS2** That's the end of the survey. Can you please confirm your address so we can send your gift card? [AUTOFILL address] You should receive the gift card in 1-3 weeks at that address.

**FOLLOWUPSURV** We may be conducting a follow-up survey. Would you be willing to have us recontact you for that? We're just asking for contact information – you can decide at that time if you'd like to participate. Y/N

**FOLLOWUPPHONE** If YES: What is the best phone number to reach you? [Record new #]

**FOLLOWUPTEXT** Can this number get text messages? Yes/No

**FOLLOWUPEMAIL** Is there an email address we can use to contact you? Y/N [record If given]

**INT99** Thanks so much for talking with me today! Look for your gift card in 1-3 weeks