



Nathan Deal, Governor

Frank W. Berry, Commissioner

2 Peachtree Street, NW | Atlanta, GA 30303-3159 | 404-656-4507 | www.dch.georgia.gov

December 21, 2018

Ms. Tonya Moore
Division of State Demonstrations and Waivers
Children and Adults Health Programs Group
Centers for Medicaid and CHIP Services
Centers for Medicare and Medicaid Services
7500 Security Boulevard, Mail-Stop S2-01-16
Baltimore, Maryland 21244-1850

Dear Ms. Moore:

The Georgia Department of Community Health is pleased to submit the attached formal request for Georgia's Section 1115 Family Planning Demonstration Waiver, Planning for Healthy Babies (P4HB®). Georgia respectfully requests a ten (10) year extension of its demonstration waiver for the period of April 1, 2019 through March 30, 2029.

The extension of the Planning for Healthy Babies program will allow Georgia to continue providing family planning and family planning-related services to eligible women ages 18 through 44 and inter-pregnancy care services including primary care and primary care case management for eligible women who have delivered a very low birth weight baby.

The goals for the Planning for Healthy Babies program during the extension period will remain the same as proposed in the initial application. These include: (1) reduce Georgia's LBW and VLBW rates; (2) reduce the number of unintended pregnancies in Georgia; and (3) reduce Georgia's Medicaid costs.

Should you have additional questions or concerns, I may be reached at (404) 656-7513 or via email at lrhodes@dch.ga.gov. Additionally, you may reach Perri Smith, Women's Health Services Coordinator at (404) 463-7454 or via email at psmith3@dch.ga.gov.

[Redacted Signature]

✓ Lynnette R. Rhodes, Esq.
Acting Executive Director
Medical Assistance Plans

cc: Blake Fulenwider, Chief Health Policy Officer

Georgia Application Certification Statement - Section 1115(a) Extension

This document, together with the supporting documentation outlined below, constitutes Georgia's application to the Centers for Medicare & Medicaid Services (CMS) to extend the Family Planning Demonstration Waiver, Planning for Health Babies, for a period of 10 years pursuant to section 1115(a) of the Social Security Act.

Section 1115(a) extension with no program changes.

This constitutes the state's application to the Centers for Medicare & Medicaid Services (CMS) to extend its demonstration without any programmatic changes. The state is requesting to extend approval of the demonstration subject to the same Special Terms and Conditions (STCs), waivers, and expenditure authorities currently in effect for the period April 1, 2019 through March 30, 2029.

The state is submitting the following items that are necessary to ensure that the demonstration is operating in accordance with the objectives of title XIX or title XXI as originally approved. The state's application will only be considered complete for purposes of initiating federal review and federal-level public notice when the state provides the information as requested in the below appendices.

- **Appendix A:** A historical narrative summary of the demonstration project, which includes the objectives set forth at the time the demonstration was approved, evidence of how these objectives have or have not been met, and the future goals of the program.
- **Appendix B:** Budget/allotment neutrality assessment, and projections for the projected extension period. The state will present an analysis of budget/allotment neutrality for the current demonstration approval period, including status of budget/allotment neutrality to date based on the most recent expenditure and member month data, and projections through the end of the current approval that incorporate the latest data. CMS will also review the state's Medicaid and State Children's Health Insurance Program Budget and Expenditure System (MBES/CBES) expenditure reports to ensure that the demonstration has not exceeded the federal expenditure limits established for the demonstration. The state's actual expenditures incurred over the period from initial approval through the current expiration date, together with the projected costs for the requested extension period, must comply with CMS budget/allotment neutrality requirements outlined in the STCs.
- **Appendix C:** Interim evaluation of the overall impact of the demonstration that includes evaluation activities and findings to date, in addition to plans for evaluation activities over the requested extension period. The interim evaluation should provide CMS with a clear analysis of the state's achievement in obtaining the outcomes expected as a direct effect of the demonstration program. The state's interim evaluation must meet all of the requirements outlined in the STCs.

- **Appendix D:** Summaries of External Quality Review Organization (EQRO) reports, managed care organization and state quality assurance monitoring, and any other documentation of the quality of and access to care provided under the demonstration.
- **Appendix E:** Documentation of the state’s compliance with the public notice process set forth in 42 CFR 431.408 and 431.420.

Signature



Acting Executive Director

Date:

12/21/18

CMS will notify the state no later than 15 days of submitting its application of whether we determine the state’s application meets the requirements for a streamlined federal review. The state will have an opportunity to modify its application submission if CMS determines it does not meet these requirements. If CMS reviews the state’s submission and determines that any proposed changes significantly alter the original objectives and goals of the existing demonstration as approved, CMS has the discretion to process this application full scope pursuant to regular statutory timeframes for an extension or as an application for a new demonstration.

Georgia Department of Community Health
§1115a Demonstration Waiver for Family Planning
Planning for Healthy Babies Contact Information

Date Proposal Submitted: December 20, 2018

Projected Date of Implementation: April 1, 2019

Primary Family Planning Program Contacts:

Name: Lynnette R. Rhodes, Acting Executive Director

Email Address: lrhodes@dch.ga.gov

Name: Perri Nena Smith, Women's Health Services Coordinator

Email Address: psmith3@dch.ga.gov

Appendix A: Historical Narrative Summary.

Executive Summary.

The Planning for Healthy Babies (P4HB) program is a Social Security Act, Section 1115 Demonstration Waiver. Section 1115 gives the Secretary of Health and Human Services authority to approve experimental, pilot, or demonstration projects that are found by the Secretary to be likely to assist in promoting the objectives of the Medicaid program. The purpose of these demonstrations, which give states additional flexibility to design and improve their programs, is to demonstrate and evaluate state-specific policy approaches to better serving Medicaid populations.

To better serve Georgia's Medicaid's population, Department of Community Health (DCH or Department), Medical Assistance Plans developed the P4HB Demonstration Waiver. P4HB was developed to assist the Department in reducing the number of low birth weight and very low birth weight births in Georgia.

P4HB provides family planning and family planning-related services to eligible women ages 18 through 44 and inter-pregnancy care services including primary care and case management for eligible women who have delivered a very low birth weight baby.

The goals for the P4HB program during the renewal period will remain the same as the initial application: reduce Georgia's Low Birth Weight and Very Low Birth Weight rates; reduce the number of unintended pregnancies in Georgia; and reduce Georgia's Medicaid costs.

The objective of this Demonstration during the renewal period will remain the same as the initial application: assist the State of Georgia in reducing its low birth weight rates by providing preconception and inter-conception care that promotes birth spacing and appropriately timed pregnancies.

No changes to P4HB will be made at this time; the goals and objectives will remain the same.

P4HB Eligibility Requirements.

Eligibility requirements for P4HB differ slightly for the three levels of service offered within the program. There is no cost-sharing required to receive any of these levels of service.

All participants must be 18 through 44 years of age with incomes at or below 211% of the current Federal Poverty Level (FPL) and be able to bear children. Women seeking family planning and family planning related services only must meet these requirements and must also be otherwise uninsured.

Women seeking Inter-Pregnancy Care (IPC) services in addition to the family planning and family planning related services must meet all of the above requirements and must have delivered a Very Low Birth Weight baby (VLBW). P4HB also offers Resource Mothers Outreach (RM) only

services to women 18 through 44 years of age who are able to bear children, , have delivered a VLBW baby, and eligible for Medicaid services.

P4HB Benefits and Cost Sharing.

The following benefits are currently available under P4HB and will continue to be available upon program renewal.

1. Family Planning services and supplies described in section 1905(a)(4)(C) of the Act are reimbursable at the 90 percent matching rate, including: approved methods of contraception, sexually transmitted infection testing, Pap test, pelvic exams, drugs, supplies, devices related to women's health services, contraceptive management, patient education, and counseling. Family planning-related services are reimbursable at the State's Federal Medical Assistance Percentage (FMAP) rate.
2. Participants ages 19 and 20 will be eligible to receive the Hepatitis B, tetanus-diphtheria (Td), and combined tetanus, diphtheria, and pertussis (Tdap) vaccinations. Participants who are 18 years old are eligible to receive immunizations at no cost via the Vaccines for Children (VFC) Program. These services are reimbursable at the State's FMAP rate.
3. Women who are enrolled in the IPC component of the P4HB are also eligible for primary care referrals to other social service and health care providers as medically indicated, 5 office/outpatient visits, management and treatment of chronic diseases, substance use disorder treatment (detoxification and intensive outpatient rehabilitation) (referral required), case management/ Resource Mothers Outreach, limited dental, prescription drugs (non-family planning), and non-emergency medical transportation. These services are reimbursable at the State's FMAP rate.
4. Women serviced under the IPC and Resource Mothers Outreach components of the P4HB will have access to Resource Mothers Outreach. The Care Management Organizations (CMOs) will employ or contract with Resource Mothers and the Resource Mothers will assist nurse case managers to achieve defined health improvement goals.

Family Planning (FP) Services include medically necessary services and supplies related to birth control and pregnancy prevention. The program offers contraceptive management with a variety of methods, patient education, counseling and referral as needed to other social services and health care providers.

Inter-pregnancy care (IPC) services include all family planning services plus primary care and primary care case management (including Resource Mother's outreach) services for women who delivered a VLBW infant.

Eligibility for the program is re-determined on an annual basis. Women eligible for the family planning component of the Demonstration may continue receiving family planning services for as long as the Demonstration is authorized by CMS. Women eligible for inter-pregnancy care services

may continue receiving those services for two years from the date of initial enrollment into the program or until conception of the next infant.

P4HB Health Care Delivery System.

P4HB members are enrolled in managed care. Georgia has four (4) CMOs: Amerigroup, CareSource, Peach State Health Plan, and WellCare of Georgia. CMOs receive a capitated Per Member Per Month (PMPM) payment for each P4HB member. Capitation rates were approved by CMS and serve as the basis for calculating the expenses in the budget neutrality worksheets submitted to CMS. The CMOs' provider networks provide clinical, laboratory, pharmacy and other Demonstration services to the P4HB enrollees. Each CMO has nurse case managers and Resource Mothers who provide the case management services for the IPC and the RM enrollees.

P4HB Overall Process on Meeting Goals.

Overall, the progress on key P4HB goals and related program objectives is mixed. While the analysis below indicates effects of P4HB on increasing access to pregnancy prevention, reducing unintended births, reducing teen births, increasing age at first birth and reducing very short interpregnancy intervals, there is little evidence to indicate that the P4HB program has yet had any effects on infant birth outcomes. As noted above, the descriptive data on low and very low birth weight indicate an upward trend and the analysis based on the quasi-experimental design showed no significant effects.

While the P4HB initially enrolled a significant portion of eligible women in the community, enrollment dropped significantly when the auto-enrollment process ended and, more currently, other options for obtaining insurance have perhaps moved some near-poor women onto the Marketplace exchange. Access to and use of family planning and contraceptive services has also been an issue. As the current reports notes, the use of any family planning services and in particular, the use of the more effective contraceptive methods has not increased substantially, although patterns were affected by the lower use rates seen among the auto-enrolled.

Yet, once women are enrolled in the FP only or IPC components of the P4HB, they are less likely to have pregnancies or deliveries than comparison groups of Georgia Medicaid Right from the Start (RSM) women followed over the same time period. This would suggest that enrolling and retaining larger numbers of women in the P4HB may be key to moving the program closer to its intended goals.

Appendix B: Budget Neutrality Assessment and Projections.

Please see Attachment 1 for the Budget Neutrality Assessment and Projections.

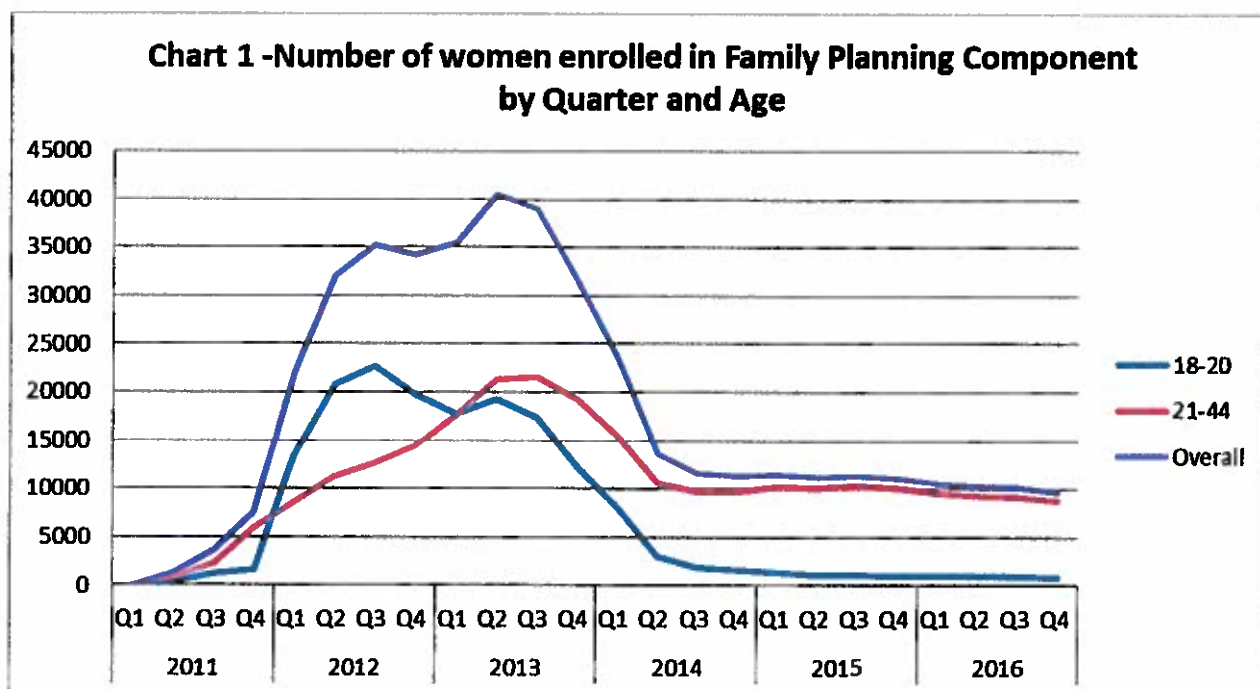
Please see Attachment 2 for the Budget Neutrality Assessment and Projections Assumptions.

Appendix C: Interim Evaluation.

Enrollment Trends.

As seen in Chart 1, enrollment in the FP only component of P4HB has declined markedly from the second quarter of 2013. Discontinuation of auto-enrollment in this year was associated with significant declines in the number of women enrolled in the FP only component of P4HB. Total enrollment in the FP only component began to fall from its peak level of 40,593 in Q2 2013 and has continued to decline to 9,749 by the 4th quarter of 2016, less than one-quarter of its peak level.

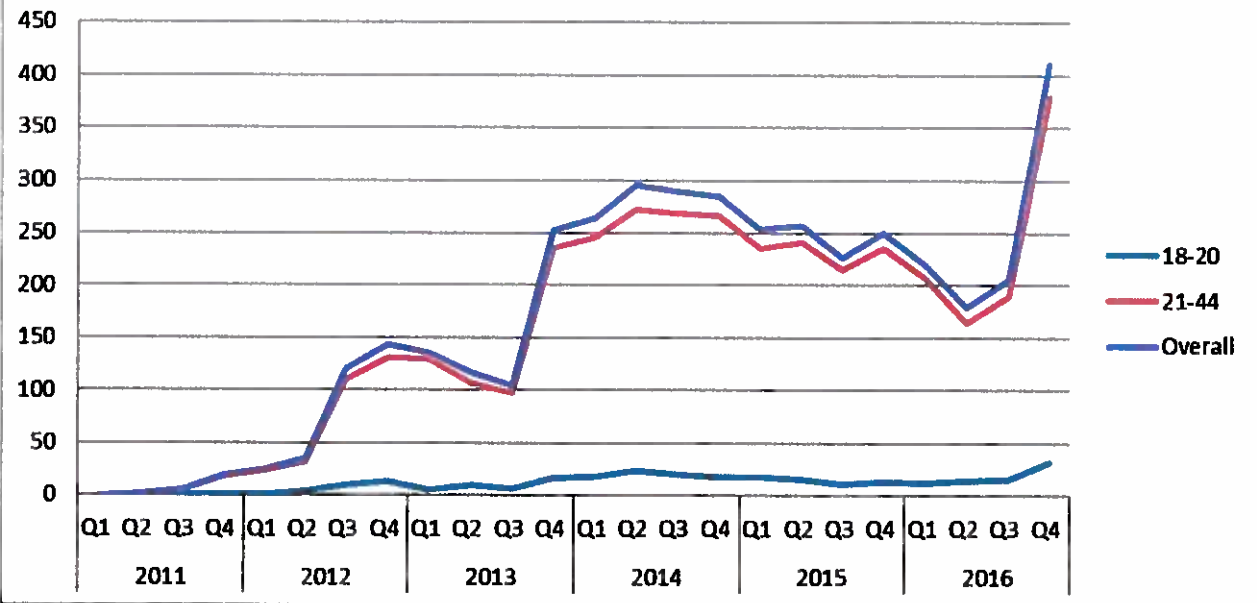
The composition of these FP only enrollees by age also changed dramatically over this period. Whereas the 18-20-year-olds comprised 48% of FP only enrollees at the peak enrollment point, by the end of 2016 this younger group made up only 10% of the total. While the peak enrollment for the 21-44 age group occurred later than for the 18-20-year-old group their downward trend lines appear fairly similar since quarter 2 of 2014.



In contrast to the declines in the FP only component, enrollment in the IPC component of the P4HB has grown significantly in 2016 as shown in Chart 2. This growth has largely been among those ages 21-44 although there was a slight increase among those ages 18-20 in the last quarter of this year. During 2016, the increase in total enrollment of women in IPC from the 250 enrolled in quarter 4 of 2015 to 411 indicates a 64% increase.

The increase in enrollment of women with a very low birth weight infant into the IPC component during 2016 more than doubled for the younger age group of 18-20-year-olds while increasing 83% among those in the older age group of 21-44. These patterns contrast with the slight decline seen in 2015 and indicates outreach efforts to these women may have been more successful in the current study year.

Chart 2 -Number of women enrolled in IPC Component by Quarter and Age



The number of women enrolled in the Resource Mothers only component of the P4HB program totaled 138 by the end of PY6. Combined with the 411 women enrolled in the IPC component, there were 549 women who had delivered VLBW infants and received, through the P4HB program, nurse case management and Resource Mother services, primary care and other IPC services available to them, by the end of PY6. The total number of 549 IPC and RM only women at the end of PY6 is up significantly (83.0%) from the 300 women in this group at the end of PY5.

Participation Rates.

As in prior reports, we used data from the American Community Survey (ACS) for each year to estimate the number of uninsured, citizen women 18-44 years with incomes at or below 200% of FPL to gauge the percentage of eligible women who have enrolled. Given the implementation of the ACA in 2014, the number of (citizen) women with incomes less than or equal to 200% FPL remaining uninsured has declined in Georgia. The estimate of eligible women in the community is 187,342 for 2016 a decline of almost 35% from 2013.

As shown below in Table 1, the percentage of those eligible who enroll increased from less than 3% in 2011, the first year of P4HB, to an estimated 12% of the eligible population enrolled in the family planning only component of P4HB in 2012. This remained fairly stable at 11% in PY3. Beginning in PY4, however, this percentage dropped in half to approximately 5% where it has remained since. When we consider that only an estimated 54.5% of the eligible population may be 'in need' of family planning services (sexually active, able to become pregnant, not currently pregnant or trying to get pregnant), the estimated percentage enrolled peaked in PY2/PY3 at 20% to 22%. This participation measure has also dropped and it is estimated to equal 9% to approximately 10% over the last three P4HB program years.

Table 1. Enrollment of Population Eligible in the Community.

Demonstration Group	Enrolled in 4 th Quarter	Population Eligible in Community ^{1,2}	Percent Eligible Enrolled
FP Only 2011	7,543	296,949	2.5%
2012 P4HB Enrollment/Participation			
FP Only 2012 ³	34,184	285,927	12.0%
FP Only 2012	34,184	155,830 ⁴	21.9%
IPC/Resource Mother Only	221	1,522	14.5%
2013 P4HB Enrollment/Participation			
FP Only 2013 ³	31,690	287,220	11.1%
FP Only 2013	31,690	156,535 ⁴	20.2%
IPC/Resource Mother Only	318	1,716	18.5%
2014 P4HB Enrollment/Participation			
FP Only 2014 ³	11,370	232,718	4.9%
FP Only 2014	11,370	126,831 ⁴	9.0%
IPC/Resource Mother Only	317	1,616	19.6%
2015 P4HB Enrollment/Participation			
FP Only 2015 ³	11,133	207,966	5.4%
FP Only 2015	11,133	113,341 ⁴	9.8%
IPC/Resource Mother Only	300	1,695	17.7%
2016 P4HB Enrollment/Participation			
FP Only 2016 ³	9,749	187,342	5.2%
FP Only 2016	9,749	102,101 ⁴	9.5%
IPC/Resource Mother Only	549	1,716	32.0%

¹Those eligible for family planning only benefits are uninsured female citizens ages 18-44 with income < 200% FPL and residing in Georgia. The number of uninsured women in this age and income range was estimated using the ACS 1-year PUMS for 2011 – 2016 as shown in column 3.

²Those eligible for IPC include uninsured women 18-44 with income < 200% FPL residing in Georgia with a live born infant under 1500 grams at delivery. Women enrolled in RSM with a VLBW infant should be the denominator for this calculation. Those eligible for Resource Mother only include LIM and ABD Classes of Eligibility women with a VLBW infant. The enrollment counts for IPC and Resource Mother were combined for the numerator and use all Medicaid paid VLBW births in 2016 (n = 1,716 in Table A.1 shown later) as the denominator.

³The numbers enrolled as of the 4th quarter of 2016 (and reported in our 4th Quarter 2016 Report) were used for consistency with the earlier parts of this report.

⁴This denominator adjusts for women in need of family planning services based on a report from the Guttmacher Institute. Their estimate is that 54.5% of women in the age group 13-44 were actually in need of family planning services; they count women who are sexually active, able to get pregnant but not currently pregnant or trying to get pregnant.

See: <http://www.guttmacher.org/pubs/win/contraceptive-needs-2008.pdf>. The "in the community" population was multiplied by .545 to get the 155,830 for 2012, 156,535 for 2013, 126,831 for 2014, 113,341 for 2015 and 102,101 for 2016 as shown in column 3.

In marked contrast to the participation of women in the FP only component of P4HB, the data in Table 1 show that the percentage of women with a VLBW infant enrolled in the IPC and Resource Mother only components of P4HB grew from a low of 14.5% in PY2 to a high of 32% in PY6.

If the declines in the percentage of eligible women enrolled in the FP only component is due to increased coverage under Medicaid or subsidized insurance on the Marketplace, there is less concern for their access to family planning services and hence, potential enrollment in Medicaid if

pregnant. We are not able, however, to document the causes for this decline. While women in this income range also have access to free or reduced cost family planning at Title X clinics, we reported on large declines in the use of these services in our PY5 report. We update the Title X data in a later section of this annual report.

Use of Family Planning Services.

The causal pathway through which the P4HB program can impact the program goals and outcomes is in improvement in access to family planning services for a sufficient number of women < 200% FPL in the community. In turn, it is important that women utilize effective family planning services once enrolled. As noted in prior reports, the use of family planning services through the P4HB program should be in addition to those provided through other public programs, such as Title X, in order for the use of family planning services by *all* women of reproductive age in the income range targeted by the P4HB program to increase.

In prior reports, we indicated that the use of contraceptives at Title X clinics shifted toward long-acting, reversible contraceptives (LARCs) and the percentage of eligible women using Title X services increased from 2009-2013. However, when viewed as a combined, publicly funded family planning delivery system, total family planning services (paid for by Medicaid or Title X) did not increase enough to result in a growing percentage of women with incomes at or below 200% FPL with a family planning or birth control visit from 2009 through 2013.

Family Planning and Birth Control Visits by Medicaid and Title X Clients.

In this section, we update the data on use of family planning services by Medicaid enrolled women users of Title X clinics, through 2016. As previously noted, we can no longer track detailed Title X funded use by individual women but rather, use aggregate data available from the Family Planning Annual Report (FPAR), which is the uniform reporting method used by all Title X service grantees. These data are presented in summary form to protect the confidentiality of users.

Medicaid Usage.

We continue to use the detailed Medicaid claims and enrollment files to report on the trends in use of family planning services paid for by Medicaid, the Medicaid recipients' use of contraceptives and among users, use by relative effectiveness of the contraceptives. We have made some changes in the coding of these services and contraceptive methods due to the introduction of ICD-10 diagnosis codes in October 2015. We have also made changes in recognition that the Georgia CMOs are not using Therapeutic Class coding when reporting on drug usage and, due to this practice, a number of P4HB enrolled women who were using oral contraceptives were not previously identified as contraceptive users. In addition, we recognized that we should include an additional diagnosis code that indicated contraceptive use even though a separate procedure or drug code was not observed for the woman. In enacting these coding changes, a larger number of family planning visits and users of contraceptive methods were captured and the newly identified group of contraceptive users were primarily users of oral contraceptives. To assure our ability to

examine trends pre and post implementation of the P4HB program, we updated our prior years of Medicaid data to be consistent with these changes.

The first bank of data in Table 2 reflects the percentage of Medicaid enrolled women ages 18-44 years with any Medicaid family planning related visit reimbursed at the 90:10 FMAP over the pre/post P4HB period. In turn, the percentage of P4HB enrolled women with any Medicaid family planning related visit, including visits for the additional P4HB covered services (e.g. treatment of STIs or primary care provider visits for IPC women), is shown. The additional P4HB covered services are reimbursed at the state’s regular FMAP rate. In the last bank of data, the percentage of all Medicaid enrolled women with any family planning or family planning related visit is shown for those women *not* enrolled in the P4HB program during the year.

As the data show, the percentage of all Medicaid enrolled women 18-44 years of age and actually using family planning or family planning related services first increased over the 2009-2013 time-period; in 2009, this percentage was approximately 25% and by 2013 it equaled 31.1%. The 17 percentage of all Medicaid enrolled women for whom the visit involved the provision of some form of birth control was relatively stable 2009-2013 between 21 to 22%. Both of these measures, however, declined over the following years; use of any family planning equaled approximately 27% in 2016 and the percentage with any visit/service for birth control equaled 18.2%.

Table 2. Use of Family Planning and Birth Control Visits among Medicaid Enrolled, P4HB, and Medicaid Non-P4HB

	Use Among Medicaid Women Ages 18-44 All Medicaid Enrolled			Use Among P4HB Women P4HB Enrolled			Use Among Medicaid Non-P4HB Women Ages 18-44 All Medicaid Non-P4HB Enrolled		
	Any Family Planning Visits ¹	Mean Visits Per User	Any Visit /Service for Birth Control ²	Any Family Planning Visits ²	Mean Visits Per User	Any Visit /Service for Birth Control ²	Any Family Planning Visits	Mean Visits Per User	Any Visit /Service for Birth Controls
2009	24.5	2.4	22.0						
2010	25.0	2.4	21.9						
2011	28.9	2.3	20.9	35.0	2.7	27.3	28.8	2.3	20.7
2012	30.4	2.8	21.6	27.3	3.9	20.1	30.9	2.6	21.9
2013	31.1	2.6	21.4	27.9	3.7	19.8	31.6	2.4	21.7
2014	29.0	2.5	20.4	26.2	3.7	18.7	29.2	2.4	20.5
2015	28.3	2.5	19.6	41.0	3.9	31.6	27.7	2.4	19.0
2016	26.7	2.4	18.2	39.1	3.8	29.3	26.1	2.4	17.7

¹ Denominator is all women ages 18-44 enrolled in Medicaid during year. ² Denominator is all women ages 18-44, citizen, and < 200% FPL in Georgia during year. ³ Denominator is all women ages 18-44, citizen, and < 200% FPL in Georgia during year; numerator is sum of use among Medicaid enrolled women and Title X non-Medicaid enrolled women ages 18-44.

These patterns among all Medicaid insured women reflect the combination of usage of family planning services by P4HB and non-P4HB Medicaid insured women. Among women in P4HB, the percentage with a family planning visit began at a higher level in 2011 at 35%, declined to 26.2% in 2014 and then increased markedly to 39% in 2016.

On the other hand, patterns of use for the non-P4HB enrolled Medicaid women, representing the great majority of the total, mirror the overall pattern of usage from 2011-2016, indicating a general decline. With respect to the usage of family planning visits for birth control, the pattern for non-P4HB enrolled women also ‘mirrors’ the overall pattern. On the other hand, the percentage of P4HB enrolled women with birth control visits declines and then increases, ending at approximately 30% in 2016. The declines in usage over 2012-2014 for the P4HB women reflects in large part, the increased enrollment of the auto-enrolled over this period; auto-enrolled women tended to use birth control at a lower rate.

Methods of Contraception Used.

Another way the introduction of the P4HB program could affect usage of family planning services is to move women using some form of contraception toward one of the more effective methods of contraception. In Table 3 below, we show the distribution of the users of some form of contraceptive by the WHO tiers of effectiveness 1-4. We also show the percentage of users of some form of contraceptive who are using long-acting reversible contraceptives (LARCs) in the last column of Table 3. We note that the reported percentages reflect the change in coding to: 1) mirror the OPA list of codes; and 2) use of NDC codes in addition to therapeutic class to address the CMOs’ reporting issue. A key change that occurs from the use of the OPA codes is a portion (5-9%) of the users have a visit for birth control but no procedure or drug code to indicate what type is used and hence, the tier cannot be specified.

Table 3. Distribution of Contraceptive Methods Paid by Medicaid for All Medicaid Enrolled 2009-2015.

Year	Percent of Contraceptive Methods among Users of Some Birth Control by Tier, All Medicaid Enrolled, Ages 18-44				
	Tier 1	Tier 2	Tier 3/4	Tier Not Specified	LARC
2009	34.23	59.05	1.76	4.95	20.98
2010	30.95	62.84	1.50	4.71	17.88
2011	37.34	52.16	1.65	8.85	22.29
2012	33.55	58.50	1.64	6.30	20.75
2013	31.53	60.74	1.79	5.93	18.90
2014	31.47	60.93	1.67	5.93	19.22
2015	32.49	61.05	1.24	5.22	20.73
2016	33.53	60.69	0.95	4.84	21.41

Notes: WHO Tiers of contraceptive effectiveness: Tier 1 (High effectiveness): implants, intrauterine devices, sterilization; Tier 2 (Medium effectiveness): injectable methods, patch, pills, and vaginal ring; Tier 3 and 4 (Low effectiveness): condoms, diaphragms, fertility awareness methods, spermicides; Long-acting reversible contraceptive methods (LARC) are a subset of Tier 1 methods that are reversible and include implants and intrauterine devices.

As the data in Table 3 show, the use of Tier 1 contraceptives was virtually unchanged from 2009 to 2016 (approximately 34%). While there was an increase to 37% in 2011, the first year of P4HB, the percentage declines thereafter. The increase in Tier 1 usage was related to a slight increase in the use of LARCs from 21% in 2009 to 22% in 2011 but this too, declined thereafter. The increase in Tier 1 usage was mirrored by a decline in the use of Tier 2 birth control methods, largely oral contraceptives, from 2009 to 2011 but this percentage increased after 2011 to 61% in 2016.

If the P4HB program is working as intended, the patterns of family planning service and contraception usage among enrollees (with required months of continuous enrollment) should show increases as P4HB enrollees become more aware of their benefits, more accustomed to their CMO providers and more of them receive advice regarding their reproductive health care.

Table 4. Distribution of Contraceptive Methods Paid by Medicaid for Women in P4HB versus Not in P4HB, 2009-2015.

	% of Contraceptive Methods by Tier Paid by Medicaid: P4HB Enrolled Women					% of Contraceptive Methods by Tier Paid by Medicaid: Medicaid Non-P4HB Enrolled Women Ages 18-44				
	Tier 1	Tier 2	Tier 3/4	Tier Not Specified	LARC	Tier 1	Tier 2	Tier 3/4	Tier Not Specified	LARC
2011	22.25	66.47	3.30	7.97	18.22	37.78	51.74	1.60	8.88	22.41
2012	16.48	70.43	3.69	9.40	14.33	35.87	56.88	1.36	5.88	21.62
2013	16.18	71.34	3.84	8.64	13.95	34.16	58.93	1.44	5.47	19.75
2014	14.15	73.77	3.52	8.57	12.37	33.10	59.73	1.49	5.68	19.87
2015	15.57	76.31	2.30	5.82	14.04	33.97	59.72	1.14	5.17	21.32
2016	15.18	77.89	1.40	5.53	13.74	34.93	59.37	0.92	4.78	21.99

Notes: WHO Tiers of contraceptive effectiveness: Tier 1 (High effectiveness): implants, intrauterine devices, sterilization; Tier 2 (Medium effectiveness): injectable methods, patch, pills, and vaginal ring; Tier 3 and 4 (Low effectiveness): condoms, diaphragms, fertility awareness methods, spermicides; Long-acting reversible contraceptive methods (LARC) are a subset of Tier 1 methods that are reversible and include implants and intrauterine devices.

As shown in Table 4, the use of Tier 1 contraceptives among all P4HB users of some form of contraceptive declined from 2011-2016, ending at about 15% of P4HB users in this category in 2016. There was a slight increase in use of Tier 1 and LARCs from 2014 to 2106 among P4HB women. Yet the percentage using LARCs declined from 18% in 2011 to approximately 14% in 2016. There was a related increase in the percentage of P4HB users using oral contraceptives over this period. Among non-P4HB enrolled women there was also a general decline 2011 to 2016 in the use of Tier 1 contraceptives but with a similar slight increase from 2014 to 2016. This pattern also applies to the use of LARCs among these women with the percentage in 2011 being virtually the same in 2016 (approximately 22%) due to a slight increase between 2014 and 2016.

Use at Title X Clinics.

Since July 2015, the new Title X grantee, the Georgia Family Planning System (GFPS), is largely a set of Federally Qualified Health Centers (FQHCs) which serve a broader and perhaps different clientele than the prior grantee, the Department of Public Health (DPH). In our prior reports, we noted that as the Title X grantee changed in the state, the amount of 'unknown' data for several of the key data elements provided in the FPAR reports increased markedly from 2014 to 2015. This affected our ability to draw clear conclusions regarding the patterns of change. Since our last annual report, we found that the FPAR reports have been updated by the GFPS, reducing the amount of unknown data and we report on these updated data here.

In Table 5 below, we show the FPAR for the full calendar years of 2012 through 2016; data for the years 2012-2013 are all from the Georgia DPH whereas data for years 2015-2106 are all from the

GFPS. Despite the updated numbers, there was still a clear reduction in the number of females getting family planning services beginning in 2014, falling from 112,703 to 97,483 and continuing through 2015 to 66,912.

Table 5. Use of Services by Family Planning Users at Title X Clinics 2012 -2016, FPAR Data.

	FPAR Data 2012 ^a		FPAR Data 2013 ^a		FPAR Data 2014 ^a		FPAR Data 2015 ^a		FPAR Data 2016 ^a	
	#	%	#	%	#	%	#	%	#	%
Number and % of Family Planning Users by Gender										
Female	123,967	97.6%	112,703	97.7%	97,483	95.3%	66,912	77.5%	90,687	71.4%
Male	3,025	2.4%	2,604	2.3%	4,840	4.7%	19,997	22.5%	36,871	28.6%
Total	126,992		115,307		102,323		86,909		127,558	
Number and % of Female Family Planning Users At Risk^b of Unintended Pregnancy (UFP)										
At Risk of Unintended Pregnancy	108,448	87.5%	98,512	87.4%	84,838	86.5%	60,745	90.8%	72,732	80.2%
Not at Risk of Unintended Pregnancy	15,518	12.5%	14,190	12.6%	13,144	13.5%	6,167	9.2%	17,967	19.8%
Total	123,967		112,703		97,483		66,912		90,687	
Number and % of Female Family Planning Users Less than 25 Years with Chlamydia Testing										
Tested for Chlamydia	85,165	68.8%	79,478	69.9%	74,729	76.1%	7,073	10.6%	11,401	12.6%
Not Tested for Chlamydia	38,802	31.2%	34,225	30.1%	22,754	23.9%	61,391	91.4%	79,286	87.4%
Total	123,967		113,703		97,483		68,464		90,687	
Number and % of Family Planning Users by Income in Relation to Federal Poverty Level^c (FPL)										
Income <100% FPL	106,751	84.1%	98,811	85.7%	78,118	80.0%	40,309	58.8%	77,187	75.2%
Income 100% to 200% FPL	19,092	15.0%	15,745	13.7%	12,640	12.8%	11,743	17.1%	18,826	17.9%
Income Over 200% FPL	1,149	0.9%	751	0.7%	1,565	1.2%	3,263	4.7%	6,865	6.8%
Total (Known Income Level)	126,992		115,307		91,864		55,315		102,878	
UK/NA/Missing	0	0.0%	0	0.0%	10,459	10.7%	31,594	46.1%	24,510	23.4%
Total	126,992		115,307		102,323		86,909		127,388	
Number and % of Family Planning Users by Insurance Status										
Public Insurance	19,716	15.5%	20,786	18.0%	22,856	23.2%	24,713	28.4%	37,805	29.4%
Private Insurance	18,702	14.7%	16,511	14.3%	14,978	15.3%	23,738	27.4%	37,717	29.7%
Uninsured	82,224	64.8%	72,813	64.0%	59,138	61.3%	34,325	41.0%	51,934	40.9%
Total (Known Insurance Status)	120,642		110,110		96,972		82,777		126,936	
UK/NA/Missing	6,350	5.0%	4,897	4.2%	5,871	5.7%	3,730	4.3%	1,800	1.4%
Total	126,992		115,007		102,843		86,507		128,736	
Number and % of Female Family Planning Users At Risk of Unintended Pregnancy by Effectiveness of Primary BC Method After Visit										
Most Effective Permanent Methods (Tier 3, Non-reversible)	3,076	2.5%	3,629	3.2%	1,862	1.9%	5,345	7.9%	9,507	10.6%
Most Effective Reversible Methods (Tier 1, Reversible)	8,273	6.7%	8,711	7.7%	6,770	7.0%	4,020	6.0%	10,251	11.3%
Moderately Effective Methods (Tier 2)	74,947	60.6%	68,889	61.2%	52,230	53.6%	11,000	16.4%	20,334	22.4%
Less Effective Methods (Tier 3, 4)	18,593	15.0%	16,567	14.7%	9,243	9.5%	6,293	9.3%	15,533	17.1%
Total (Known Birth Control Method)	104,919		95,896		71,105		26,658		55,525	
UK/NA/Missing/None	8,535	6.8%	7,907	7.0%	11,277	11.5%	34,077	50.7%	17,004	18.9%
Total	113,454		103,803		82,382		60,735		72,529	

^a Family Planning Annual Report (FPAR) data as reported by the Georgia Title X grantees
^b Federal Poverty Level, as determined by reported household income relative to Federal Poverty Guidelines
^c WHO Tiers of contraceptive effectiveness: Tier 1 (high effectiveness), non-reversible methods include sterilization by any method.
^d WHO Tiers of contraceptive effectiveness: Tier 1 (high effectiveness), reversible methods include IARC methods, coily implants and intrauterine devices.
^e WHO Tiers of contraceptive effectiveness: Tier 2 (medium effectiveness) methods include diaphragms, injectable methods, patch, pills, and vaginal ring.
^f WHO Tiers of contraceptive effectiveness: Tier 3/4 (low effectiveness) methods include condoms, fertility awareness methods, and spermicides.
^g Women at risk excludes those who are pregnant, seeking pregnancy or abstinent.

While the number of female users increased in 2016 to 90,687 this is still below the 112,703 women served by DPH in 2013. It is the case, however, that the total men and women family planning users in 2016 (127,068) is higher than the number of men and women (115,307) served by DPH in 2013 and the percent of male clients served by the GFPS (22 to approximately 29%) is much higher than at DPH (2 to approximately 5%).

The remaining data in Table 5 pertain only to female family planning users. Of those with known income data, the percentage of female < 250% FPL and hence, likely eligible for P4HB was approximately 93% in 2016. In this year, the GFPS provided services to a fairly large percentage (~41%) uninsured female planning users, but this percentage is lower than for clientele served by DPH. Of all female planning users seen by GFPS in 2016, approximately 80% were 'at risk' of

becoming pregnant; this group exclude those who are already pregnant, seeking pregnancy or abstinent.

We use only those women 'at risk' of pregnancy and with known method of contraception to discuss changes in the use of relative effectiveness of contraceptives. The percentage (23% in the 2016 GFPS) still in this unknown/not reported group data is down from 56% in the 2015 GFPS data but still much larger than in the DPH data (approximately 3%). This makes it difficult to interpret the data and, especially, to interpret changes in percentages using each type of method. Based on those with known data, the percentage reporting a Tier 1, *non-reversible* (sterilization by any method) decreased by about 3 percentage points from 2015 to 2016 while the percent using Tier 1, *reversible* methods (LARCs) increased by approximately the same amount from 15% to 18%. This leaves the estimated percentage using Tier 1 stable at 35%. The remaining 65% of women at risk of unintended pregnancy with known method used moderately effective (Tier 2) or less effective (Tier 3 & 4) methods. Among these women, it appears that GFPS clientele have reduced their use of Tier 2 methods (from 41% to approximately 37%) while increasing their use of the less effective methods. Without knowing the composition of usage among *all* female planning users 'at risk' of unintended pregnancy leaving with a contraceptive method, it is impossible to say whether or not the overall distribution shifted toward more effective methods.

In our last annual report, we noted that there was a decline in the percentage of female family planning users less than 25 years of age who were tested for chlamydia from 40% in 2014 to approximately 33% in 2015. It may be that the billing process at FQHCs is different or less detailed than the Title X process and hence, women may have been getting these services, but it was not being recorded in the FPAR data. In the 2016 data, there is a reported increase to 37% but this is still lower than the 56-59% reported as being screened in the DPH data. A decline in this testing is a concern given that the screening of asymptomatic women under age 25 for chlamydia is a long-standing recommendation of the United States Preventive Services Task Force.

IPC Service Use Related to Chronic Conditions.

A key goal of the IPC component of the P4HB program is to help women who deliver a VLBW infant maintain or improve their health during the period following the birth of the index VLBW throughout the allowable enrollment period by providing access to the expanded set of interpregnancy primary care health services noted earlier. Likewise, a key goal of the Resource Mother only component of the P4HB program is to offer case management and outreach services to women who deliver a VLBW infant who are already covered by Georgia LIM (Low Income Medicaid) or ABD (Aged, Blind and Disabled) Medicaid following the index delivery. In early years of the evaluation (PY1 through PY4), we focused the content of the annual report on capturing the number of encounters for covered services by IPC enrolled women and the types of covered services utilized by IPC enrolled women (such as care for preventive services, acute gynecologic conditions or other gynecologic testing, dental conditions, other acute conditions, contraceptive services, and chronic health conditions). Given the growing interest in the chronic health conditions affecting the IPC and Resource Mother only enrolled women, and the known adverse impact of poorly controlled chronic health conditions on reproductive health outcomes, we shifted the focus of the administrative data for PY5 on ascertaining the types of chronic conditions

for which these women are seeking and receiving care under the P4HB program and we continued this approach for PY6 data.

Table 6a. Service Utilization for Chronic Health Conditions for IPC and Resource Mother Only Participants (PY6).

Condition	Resource Mother	IPC
	N = 158	N = 466
≥ 1 Condition	92 (58.2%)	153 (32.8%)
Depression – Other	20 (12.7%)	28 (6.0%)
Depression - Major	4 (2.5%)	4 (0.9%)
Depression - Bipolar	17 (10.8%)	23 (4.9%)
	4 (2.5%)	3 (0.6%)
Cardiovascular	38 (24.1%)	60 (12.9%)
Hypertension	36 (22.8%)	54 (11.6%)
Hyperlipidemia	8 (5.1%)	4 (0.9%)
CHF/Ischemia	5 (3.2%)	7 (1.5%)
Endocrine Disorders	30 (19.0%)	38 (8.2%)
Obesity	19 (12.0%)	32 (6.9%)
Diabetes	14 (8.9%)	5 (1.1%)
Thyroid Disorders	4 (2.5%)	3 (0.6%)
Substance Use	26 (16.5%)	38 (8.2%)
Tobacco	23 (14.6%)	32 (6.9%)
Drugs	7 (4.4%)	12 (2.6%)
Atopic and Allergic	21 (13.3%)	29 (6.2)
Asthma	14 (8.9%)	23 (4.9%)
Allergies	8 (5.1%)	7 (1.5%)
Lupus	6 (3.8%)	2 (0.4%)
Migraine/headaches	21 (13.3%)	42 (9.0%)
Anemia	20 (12.7%)	24 (5.2%)
Chronic fatigue/malaise	9 (5.7%)	5 (1.1%)
Gastrointestinal Reflux	10 (6.3%)	7 (1.5%)

The specification of services used for IPC and Resource Mother only enrolled women for PY6, as shown in Table 6a, are based on ICD-10 coding. Among the IPC component’s 466 participants, the claims data indicate that 153 (32.8%) enrolled in IPC in PY6 utilized services indicative of care for a chronic condition. The most common group of chronic conditions for which IPC enrolled women received services was for cardiovascular disorders (12.9%), particularly for hypertension (11.6%); followed by migraine headaches (9%); endocrine disorders, particularly obesity (6.9%); and substance use (8.2%), particularly tobacco use (6.9%). Care for atopic and allergic conditions was also quite common (6.2%), with utilization in this category dominated by care for asthma (4.9%), as was care for severe mental illness (6%), which was dominated by care for major depression (4.9%).

The chronic health conditions for which the Resource Mother only women were treated include the same set of conditions as observed for the IPC women but, as the data show, their rates of receiving services for chronic conditions were higher overall than for IPC women (58.2% vs. 32.8% for one or more chronic health conditions). Also, while their chronic condition service utilization followed the same pattern as for IPC women, with the most utilized services for care of

chronic conditions being for cardiovascular disease (particularly hypertension), followed by endocrine disorders (particularly obesity), substance use (particularly tobacco use), and severe mental illness (particularly for major depression), utilization of services for each of these sets of chronic conditions was substantially higher than those observed for the IPC women, which may reflect the poorer health status of women covered by Georgia LIM (Low Income Medicaid) or ABD (Aged, Blind and Disabled) Medicaid and/or their better understanding of the availability of covered services for the care of their chronic health conditions. Notably, 24.1% of RM only women were treated for cardiovascular disease (vs. 12.9% of IPC women), 19% of RM only women were treated for endocrine disorders (vs. 8.2% of IPC women), 16.5% were treated for substance use (vs. 8.2% of IPC women), and 12.7% were treated for severe mental illness (vs. 6% of IPC women). Treatment for migraine headaches and anemia was also substantially higher for RM only vs. IPC women (13.3% vs. 9%, and 12.7% vs. 5.2%, respectively).

Of note, there were more women enrolled in IPC during PY6 compared to PY5 (466 vs. 378) and in the Resource Mother only component during PY6 compared to PY5 (158 vs. 125); see Table 6b for chronic condition service utilization for PY5. The proportion of women enrolled in each component who utilized services for one or more chronic health conditions during PY6 compared to PY5 was, however, largely unchanged: 32.8% vs. 36.7%, respectively, for IPC enrollees and 58.2% vs. 56.0%, respectively, for Resource Mother only enrollees. There are some differences in the rank order of the type of chronic condition services between PY5 and PY6; most notably, the leading set of chronic condition services utilized in PY5 were for severe mental illness and endocrine disorders for both IPC (both approximately 13.0%) and Resource Mother only (both approximately 22%), while utilization of services for cardiovascular conditions led in PY6. We note, however, that further analysis is needed in order to best interpret the trends in utilization of services for chronic health conditions. Specifically, in order to better understand the proportion of women with chronic health conditions who are enrolled in the IPC and Resource Mother only components of P4HB, and then evaluate the proportion of those women known to have chronic health conditions who are utilizing services for the care of those chronic health conditions during the interpregnancy period, we plan to broaden the scope of our evaluation to include using the infant birth records and prenatal care claims codes to establish the set of women with and without diagnosed chronic health conditions and examine their utilization of indicated chronic care and preventive health services during the time that they are enrolled in the program.

Table 6b. Service Utilization for Chronic Health Conditions for IPC and Resource Mother Only Participants (PY5).

Condition	Resource Mother N = 125	IPC N = 378
≥ 1 Condition	70 (56.0%)	139 (36.7%)
Severe Mental Illness	28 (22.4%)	49 (13.0%)
Depression – Other	21 (16.8%)	33 (8.7%)
Depression - Major	5 (4.0%)	7 (1.9%)
Depression - Bipolar	4 (3.2%)	7 (1.9%)
Cardiovascular	25 (20.0%)	39 (10.3%)
Hypertension	24 (19.2%)	37 (9.8%)
Hyperlipidemia	5 (4.0%)	3 (0.8%)
CHF/Ischemia	1 (0.8%)	1 (0.3%)

Endocrine Disorders	28 (22.4%)	51 (13.5%)
Obesity	21 (16.8%)	37 (9.8%)
Diabetes	8 (6.4%)	8 (2.1%)
Thyroid Disorders	3 (2.4%)	9 (2.4%)
Substance Use	14 (11.2%)	48 (12.7%)
Tobacco	12 (9.6%)	43 (11.4%)
Drugs	2 (1.6%)	7 (1.9%)
Alcohol	1 (0.8%)	4 (1.1%)
Autoimmune	4 (3.2%)	3 (0.8%)
Lupus	4 (3.2%)	2 (0.5%)
Rheumatoid Arthritis	2 (1.6%)	1 (0.3%)
Neurologic	20 (16.0%)	29 (7.7%)
Migraine/headaches	19 (15.2%)	28 (7.4%)
Seizures	1 (0.8%)	3 (0.8%)
Atopic and Allergic	17 (13.6%)	15 (4.0%)
Asthma	8 (6.4%)	12 (3.2%)
Allergies	9 (7.2%)	3 (0.8%)
Anemia	23 (18.4%)	25 (6.6%)
Chronic fatigue/malaise	12 (9.6%)	5 (1.3%)
Gastrointestinal Reflux	8 (6.4%)	8 (2.1%)

Access to health care before and between pregnancies is recognized as crucial for improving US birth outcomes, and is recognized as especially important for women with chronic health conditions and for women with prior adverse birth outcomes⁶. The aim of interpregnancy care for women with chronic health conditions and those with prior adverse birth outcomes is to reduce risks that may affect the woman’s health and any future pregnancy she may have. In particular, experiencing an adverse outcome, such as VLBW delivery, in a previous pregnancy is among the strongest predictors for future adverse pregnancy health outcomes⁷, underscoring the critical importance of the receipt of interpregnancy care, especially care for chronic health conditions, by women in the IPC and RM only components of the waiver as these women have all had a VLBW delivery.

Substance use in the interconception periods predicts substance use in the prenatal period (of a subsequent pregnancy). It is well-recognized that an intervention to reduce tobacco, alcohol, and drug use in the interconception period is critical for the health of the woman, any subsequent pregnancy she conceives, and other children living in the home who would be exposed to second-hand smoke.

Outcomes Among P4HB Participants.

Averted Births.

Compared to Section 1115 Family Planning waivers in other states, the P4HB program has had a budget neutrality requirement that was not based on averted births but rather on a ‘shifting’ of the birth weight distribution such that the total costs to the Medicaid program supported by the federal matching rate would be lowered from what it would otherwise be. The mechanism through which this would occur was an anticipated lowering of the percentage of all Medicaid births that are LBW and VLBW. In turn, the state anticipated an increase in the use of family planning services

as well as the management of contraceptive use and health conditions that affect reproductive outcomes, which would help lengthen the interpregnancy intervals of P4HB enrolled women. Additionally, the treatment of acute and the management of chronic conditions of women enrolled in the IPC component would lead to better health of the women, and in turn better birth outcomes.

While the count of ‘averted’ births is therefore not central to the calculation of budget neutrality on a quarterly or annual basis under the P4HB program, it is a measure that can help gauge the success of the program. In Table 7 below, we present an estimate of the number of births that the state would have ‘expected’ to see among participants in the family planning only component of the P4HB program. The expected birth count was based on the projected fertility rate among women 18-44 years of age with incomes at or below 200% FPL and uninsured as reported in the Planning for Healthy Babies’ Concept Paper submitted to CMS during the initial application process.⁹ The estimated fertility rate was 160 per 1,000 for the fifth program year; we use this ‘expected’ fertility rate for this sixth program year since the state is awaiting renewal of P4HB. If this rate is applied to all women enrolled in the FP only and the IPC/RM program components at the end of PY5 (11,433 from Table 1) and hence, at risk of a delivery in PY6, the number of expected births is 1,829 in PY6 as shown below.

Table 7. An Estimate of Averted Births among the P4HB Demonstration Population.

Number of ‘Expected’ Births Among Participants ¹	Number of Deliveries/Live Births in 2016 to Participants ²	Number of ‘Averted’ Births
1,829	471	1,358

¹Based on fertility rates from the concept paper developed in application process: http://dch.georgia.gov/sites/dch.georgia.gov/files/imported/vgn/images/portal/cit_1210/33/52/156793595PlanningforHealthyBabiesProgram121709Final.pdf.

²Reflects the count of all deliveries of a live born in all three components in 2016 for women enrolled in Demonstration at the end of 2015, but includes only those counted based on the methods described in prior reports. If stillbirth and fetal deaths to women in all three components of the program are counted the total in 2016, would be 575.

The above estimates indicate that the number of actual births in PY6 to P4HB participants (471) enrolled at the end of 2015 is less than that expected and the number of ‘averted births’ is 1,358. We note that the births counted here include births to P4HB enrollees that could be due to a pregnancy after the first 18 months of their enrollment in P4HB. This would be a pregnancy within an appropriate interpregnancy interval and means the number of ‘averted’ births could be under counted in the above calculations. The positive number of averted births in Table 7, while smaller than in earlier years, still indicates potential savings to the state from a lower-than-expected birth rate among those enrolled in the P4HB program.

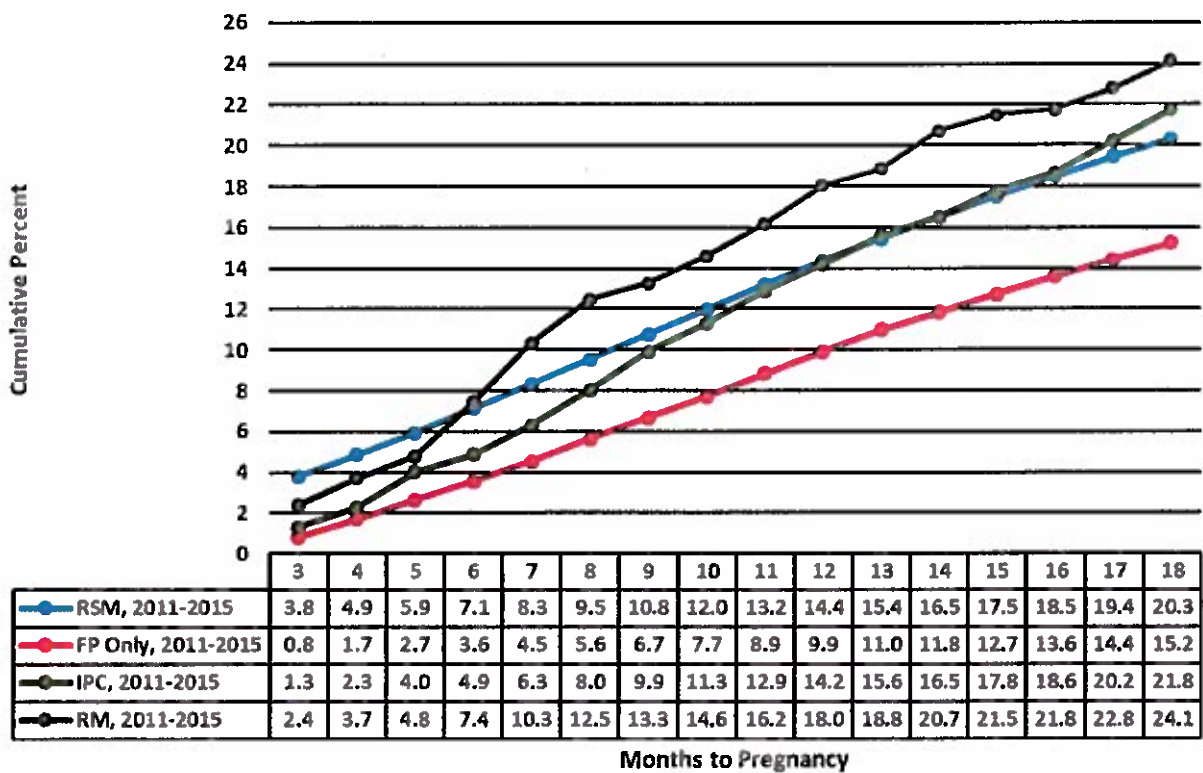
P4HB Participants and Non-Participants.

In the PY6 annual report, we continue to examine the outcomes of pregnancy or delivery among P4HB women after they enroll in the waiver program. We have organized the data in this section by annual cohorts representing the woman’s initial enrollment into the P4HB program as this allows us to follow women from their initiation to a given outcome (pregnancy) as shown in Chart 3. This chart shows the cumulative percentage of women enrolled in any of the P4HB components with evidence of a new pregnancy by the month we observe the pregnancy in the Medicaid claims

data. We chart the data for the 2011-2015 cohorts of P4HB FP only enrollees and for comparison purposes, we chart the same outcome for RSM women with an index birth in 2011-2015, regardless of their infants' birthweights and who were never enrolled in the P4HB program. The data in Chart 3 indicate that the percentage of women for whom we observe a pregnancy is consistently lower for the women enrolled in the FP only component than the RSM women. By the eighteenth month following their initial month of enrollment into the FP only component of P4HB, 15% of enrollees had evidence of a pregnancy compared to 20% of RSM women who qualified for, but did not enroll in, the P4HB program. These data are suggestive of P4HB's success in delaying a new or repeat pregnancy among eligible and participating women compared to women in the same income range, eligible for the P4HB program, but not participating. We note that the percentage of FP only enrollees with repeat pregnancies is lower at 6 months (approximately 4% compared to 7%) and at 12 months (approximately 10% compared to 14%), both of which represent very short interpregnancy intervals.

We also show in Chart 3, the cumulative percentage of IPC and RM only enrolled women with a new pregnancy by month since their enrollment. Both of these groups had delivered a VLBW infant just before their enrollment into P4HB. As the data shows, they are more likely to have a repeat pregnancy than all RSM women with any infant birthweight outcome. The percentage with a repeat pregnancy is generally higher among the RM only group than the IPC group especially by the sixth month. By the end of the 18th month, the cumulative percentage of RM and IPC women with a repeat pregnancy is close but still higher for RM (24%) than for the IPC enrolled women (22%). While this indicates that the majority (76%) of these two groups avoided a repeat pregnancy [paid by Medicaid] for at least 18 months, a sizeable percentage of these two groups (14% to 18%) did have a repeat pregnancy within a short period (12 months or less).

Chart 3 - Months to Pregnancy for RSM (Ages 18-44) and P4HB (Family Planning Only, IPC and Resource Mothers)



IPC Participants versus Non-Participants.

A pregnancy conceived before 18 months of enrollment, regardless of outcome, is indicative of a short interpregnancy interval and is an adverse outcome that the P4HB program was designed to prevent. To evaluate the effect of the P4HB program on the IPC participants, we compared their outcomes to a group of women who were eligible for IPC but not participating, namely, RSM women with an index birth of a VLBW infant between 2011-2015 as they would have qualified for the IPC component of P4HB but chose not to participate. In Table 8, we show the percentages of women in the 2011-2015 IPC enrollee cohort and the RSM comparison cohort with a repeat pregnancy within six, twelve and eighteen months' post-enrollment. Among the 2011-2015 IPC enrollee cohort, a significantly smaller percentage experienced a repeat pregnancy within six months (4.9% vs. 10.4%) and twelve months (14.2% vs. 18.9%) of their index VLBW delivery compared to women in the RSM comparison cohort. However, by 18 months after the index VLBW delivery, there was no longer a statistically significant difference between the two cohorts when approximately 22% of the 2011-2015 IPC enrollee cohort vs. approximately 25% for the RSM comparison cohort had a repeat pregnancy.

Table 8. Number and Percent of Women with VLBW Infant with Repeat Pregnancy within Six, Twelve or 18 Months and Repeat Delivery within 18 Months, IPC Waiver Demonstration Participants, Ages 18-44.

Timing of Repeat Pregnancy or Delivery	IPC 2011-2015 N = 698	RSM – VLBW 2011-2015 N =3,015
Pregnant within 6 months	34 (4.9%)	314 (10.4%) ^^
Pregnant within 12 months	99 (14.2%)	571 (18.9%) ^^
Pregnant within 18 months	152 (21.8%)	759 (25.2%)^
Delivery within 18 months	N 605*	N = 2,706*
Fetal Deaths	74 (12.2%)	456 (16.9%)^^
Still Births	6 (1.0%)	54 (2.0%)
Very Low Birth Weight (<1500 g)	5 (0.8%)	23 (0.8%)
Low Birth Weight (1500-2499 g)	9 (1.5%)	33 (1.2%)
Normal Weight (≥2500 g)	13 (2.1%)	84 (3.1%)
Unknown Weight	38 (6.3%)	234 (8.6%)
Adverse Outcomes**	3 (0.5%)	28 (1.0%)
	33 (5.5%)	194 (7.2%)

**IPC and RSM-VLBW index deliveries through 06/30/2015 **Sum of fetal deaths, still births, and low birth weight deliveries. Chi-Square: ^ P-value < 0.10, ^^ P-value < 0.05, ^^ P-value <0.01 Notes: Repeat pregnancies were identified using the following set of claims codes: Repeat deliveries were defined as human conceptions ending in live birth, stillbirth (>= 22 weeks' gestation), or fetal death (< 22 weeks). Ectopic and molar pregnancies and induced terminations of pregnancy were NOT included. Deliveries of Live births were identified in the claims by using: ICD-9 diagnostic codes 640-676 plus V27.x OR ICD-9 procedure codes 72, 73, or 74 plus V27.x OR CPT-4 codes 59400, 59409, 59410, 59514, 59515, 59612, 59614, 59620, 59622 plus V27.x or Z37.x OR ICD-10 diagnostic codes O0–O9 plus Z37.x or ICD-10 procedure codes 10A, 10D, or 10E plus Z37. x. Deliveries of Stillbirths were identified by using ICD-9 diagnostic code 656.4x (intrauterine fetal death >= 22 weeks gestation) OR specific V-codes [V27.1 (delivery singleton stillborn, V27.3 (delivery twins, 1 stillborn), V27.4 (delivery twins, 2 stillborn), V27.6 (delivery multiples, some stillborn), V27.7 (delivery multiples, all stillborn)] or ICD-10 diagnostic codes Z37.1, Z37.4, or Z37.7 Deliveries associated with Fetal deaths < 22 weeks were identified by using ICD-9 diagnostic codes 632 (missed abortion) and 634.xx (spontaneous abortion) or ICD-10 diagnostic codes O03 or O02.1. In the case of a twin or multiple gestations, the delivery was counted as a live birth delivery if ANY of the fetuses lived. Costs were accumulated over the pregnancy and attributed to the delivery event if there was a fetal death (632) that preceded a live birth.*

In Table 8, we also show the percentage of women in each cohort with a delivery within 18 months of their index VLBW delivery, along with the outcomes of those deliveries. The above data show that the proportion of women experiencing a delivery within 18 months of their index VLBW delivery was statistically significantly lower for the IPC enrollee cohort compared to the RSM comparison cohort (12.2% vs. 16.9%). While there was not a significant difference in the proportion of those deliveries ending in an adverse birth outcome (fetal death, stillbirth, very low or low birth weight delivery), the percent with adverse outcomes (5.5%) for the IPC enrollees was markedly lower than for the RSM women with an index VLBW infant (7.2%).

Next, we used regression analysis to assess the difference in the: 1) probability of a repeat pregnancy within 18 months; and 2) the probability of a delivery within 18 months among IPC women and RSM women with a VLBW infant. In this analysis, we control for age, race, month of index birth, months enrolled in the 18 months over which we follow them and an indicator for urban/rural residence. The regression results shown in Table 9 indicate that participation in the IPC component of the P4HB program is associated with a reduced probability (9.4 percentage points) of a repeat pregnancy within 18 months of an index VLBW delivery. In turn, P4HB program participation is associated with a reduced probability of repeat delivery within 18 months of 6.9

percentage points. We note that there are likely unobserved characteristics of the women with a VLBW infant that affect their decision to participate in IPC that may also affect these outcomes and hence, it is hard to imply causality from these findings.

Table 9. Estimated Marginal Effects for IPC Compared to RSM Women with VLBW Infants, Ages 18-44.

Outcome	Marginal Effect
Repeat Pregnancy within 18 Months after Index Delivery	-9.4 ^{^^^}
Repeat Delivery within 18 Months after Index Delivery	-6.9 ^{^^^}

[^] P-value < 0.10, ^{^^} P-value < 0.05, ^{^^^} P-value < 0.01

Estimated effects from logistic models are multiplied by 100 to provide percentage point changes in the dependent variable. Controlled for age, race, month of index birth, months enrolled in the 18 months over which we follow them and urban/rural residence. Repeat pregnancy within 18 months' regressions include IPC participants through 12/31/2015. Repeat delivery within 18 months' regressions include IPC participants through 06/30/2015.

Effects of the P4HB Program On Goals.

When the P4HB program was implemented, the Emory team proposed to work with the state in the evaluation of the P4HB program by obtaining and linking data to enable the state to assess changes in the performance measures noted earlier. The state hypothesized that the P4HB program would bring sufficient numbers of women into the program such that the overall use of family planning services/supplies among low-income women would increase, and, the more consistent use of effective contraceptive methods among program users would increase. Because the P4HB program is targeted at the income range of women who would qualify for Medicaid 'if' they become pregnant, we hypothesized that this increased use of contraceptives should lead to reduced unintended pregnancies and in turn, unintended births among the RSM eligible group of women in Georgia (as well as improved inter-pregnancy intervals). Since teens are at high risk of unintended pregnancy, a related hypothesis was that the rate of unintended births and repeat teen births would also fall post P4HB. An overall improvement in the use of family planning services and the outcomes noted could also occur among all Medicaid women if there were 'spillover' effects on the LIM and disabled women in Medicaid and perhaps, to younger teens (<18 years) in Medicaid.

As initially proposed in our evaluation design, we used data from the Pregnancy Risk Assessment Monitoring System (PRAMS) and claims/vital records to assess progress on program goals/outcomes. We use PRAMS data on measures that cannot be measured based on claims data, such as an unintended live birth. We first report on these analyses and then, on measures of program outcomes based on linked claims and vital records data.

PRAMS Analysis of Outcomes.

The PRAMS is a mixed-mode, population-based, state-specific surveillance system of selected maternal behaviors and experiences during pregnancy and following childbirth. Our study sample included data from the years prior to implementation of the P4HB program (2008-2010) and the

years following implementation (2012-2013); we excluded data from the transition year of P4HB implementation (2011). To test the effects of P4HB using PRAMS data, we identified women who were uninsured pre-pregnancy but Medicaid insured at delivery as these women were most likely in the income range targeted by P4HB. We included these women in the Georgia PRAMS sample and similarly defined women in the PRAMS sample in three control states (Arkansas, Oklahoma, and Maryland). A key criterion in selecting our control states was a formal test of equality in trends of outcome measures in Georgia and our control states. We verified that the trends were similar allowing the control states to serve as a counterfactual for Georgia.

Dependent Variables.

Unintended Birth: Unintended birth is a key outcome of interest that we can only measure with survey data. Due to changes in the PRAMS survey during our study period, we tested several measures of unintended pregnancy/birth. For years 2008-2010, the PRAMS data asked the question: "*Thinking back to just before you got pregnant with your new baby, how did you feel about becoming pregnant?*" and included as possible responses the following options: 1) *I wanted to be pregnant sooner*, 2) *I wanted to be pregnant later*, 3) *I wanted to be pregnant then*, and 4) *I didn't want to be pregnant then or at any time in the future*. In 2012, however, a fifth response choice was added: 5) *I wasn't sure what I wanted*. While PRAMS data have generally been used to classify pregnancies as unintended if a woman wanted to be pregnant later or did not want to be pregnant then or at any time in the future, we had to address the additional response introduced in 2012-2013. We therefore tested several ways of using the data to measure unintended pregnancy/birth. For our first measure, we considered a mother's answer to a second question: *When you got pregnant with your new baby, were you trying to get pregnant?* We then classified mothers as having an unintended pregnancy/birth if they responded that they were: 1) *unsure what they wanted*; or 2) *were not trying to get pregnant*. With this measure, we tested models excluding mothers who were unsure what they wanted. Finally, we completed a separate analysis of whether a mother was trying to get pregnant, based on the answer to the following question: *When you got pregnant with your new baby, were you trying to get pregnant?*

Pregnancy Prevention Effort: Our analysis assessed women's reports of efforts to prevent pregnancy in the preconception and postpartum periods as well as their report of problems getting birth control during the preconception period. Pregnancy prevention during the preconception period was based on the mother's yes/no response to the question: "*When you got pregnant with your new baby, were you or your husband or partner doing anything to keep you from getting pregnant?*" This question lists the key things people do to keep from getting pregnant: birth control pills, condoms, withdrawal, or natural family planning. Pregnancy prevention post-partum is a yes/no to the question: "*Are you and your husband or partner doing anything now to keep from getting pregnant?*" Problems getting birth control pre-conception is a yes/no to the question: "*I had problems getting birth control when I needed it*" which was a possible response to the question: "*What were your reasons or your husbands' or partners' reasons for not doing anything to keep from getting pregnant?*"

Weight: We examined two models estimating the probability of a low or very low birthweight infant. In these models, low birthweight was defined as less than 2,500 grams, while very low birthweight was defined as less than 1,500 grams.

Age at Birth: While we estimated a number of models examining the mothers age at birth, most of these results were statistically insignificant. We present in Table 10 below, the results using a continuous measure (age in years) at first birth. Mothers with a previous live birth were excluded from this analysis.

Results.

In Table 10 we show the means for each of the dependent variables for the sample of women uninsured pre-pregnancy but insured through Medicaid at delivery in Georgia and our control states; the unadjusted means are shown for the pre (2008-2010) and post (2012-2013) time periods. As the descriptive data show, the rate of unintended pregnancy, regardless of the way we measured it, declined between the pre and post period for women [uninsured pre-pregnancy but insured through Medicaid at delivery] in our Georgia as well as control states' samples. In Georgia, this rate was 61% in the pre period but declined to 57% in the post period while this rate declined from 60% to 51% in the control states. Those with live births who reported they were 'not trying' to get pregnant went up in Georgia with 72% of women reporting this in the post period compared to a decline in the control states to 60%.

Table 10. Descriptive Statistics PRAMS 2008-2013.

	Georgia				Control States (AR, MD, OK)			
	Pre P4HB (n=1,057)		Post P4HB (n=455)		Pre P4HB (n=4,494)		Post P4HB (n=1,074)	
	Mean	SE	Mean	SE	Mean	SE	Mean	SE
Unintended Pregnancy*	61.0%	2.4%	56.8%	3.5%	60.4%	1.2%	50.8%	2.4%
Unintended Pregnancy**	61.0%	2.4%	44.6%	4.0%	60.4%	1.2%	44.1%	2.6%
Not Trying	70.9%	2.3%	72.3%	3.2%	69.4%	1.1%	60.1%	2.4%
Pregnancy Prevention Pre-conception	40.2%	2.9%	70.9%	3.7%	44.9%	1.5%	40.5%	3.1%
Pregnancy Prevention Post-partum	82.8%	1.8%	80.8%	2.7%	86.1%	0.8%	79.0%	1.9%
Problems getting birth control pre-conception	9.0%	1.7%	6.5%	1.8%	6.3%	0.7%	6.3%	1.5%
Very Low Birthweight (<1,500 g)	1.8%	0.2%	1.2%	0.3%	1.5%	0.1%	1.7%	0.2%
Low Birthweight (<2,500 g)	9.0%	0.5%	10.0%	1.5%	8.4%	0.2%	8.1%	0.5%

Age at First Birth	23.3	0.36	24.1	0.62	23.0	0.17	24.8	0.29
--------------------	------	------	------	------	------	------	------	------

Notes: Pre-period 2008-2010, Post-period 2012-2013. Sample is limited to Medicaid at delivery and uninsured pre-pregnancy
 * "Were you trying" was used if respondent said "was not sure" to the intent question in 2012 or 2013. If not sure and not trying, then coded as unintended ** Dropped those saying 'was not sure' (2012-2013).

There are markedly different trends in Georgia versus the comparison states on using pre-conception pregnancy prevention methods; in Georgia this increased from 40% to 71% over the pre/post period while in the control states, this declined from 45% to 41%. Pregnancy prevention post-partum declined in Georgia and the control states' samples but more so in the latter. An important question for evaluating the P4HB program is whether these women reported problems getting pregnancy prevention methods pre-conception; here, nearly 9% of women in Georgia said 'yes' in the pre period but this declined to 7% in the post period while the percent saying 'yes' to this question in the control states stayed stable at 6%. With respect to birth outcomes, the descriptive data suggest that very low birth weight rates improved in Georgia relative to the comparison states while the rate of low birth weight (inclusive of very low birth weight) did not. Finally, age at first birth went up slightly in both samples. These means are unadjusted for age, race/ethnicity and other factors affecting these outcomes. We report on the outcomes after adjusting for these and other factors in the text below.

Multivariable PRAMS Analysis: We used the difference-in-difference method to estimate the effects of P4HB on these outcomes. With this method, changes in the outcomes from the control group are subtracted from those of the treatment group, controlling for any group-specific and time-specific effects that may have altered the outcomes during the study years. As noted, the treatment group includes mothers in Georgia that were uninsured pre-pregnancy but insured with Medicaid at delivery and the control group includes these women in the control states (Arkansas, Oklahoma, and Maryland). We used logistic analysis to examine all dichotomous outcomes and linear regression to estimate continuous measures. We controlled for mothers age, race/ethnicity, number of stressors, if the mother drank alcohol three months before her pregnancy, if the mother smoked three months before her pregnancy, number of previous live births, and number of terminations. All regression models included state and year fixed effects, and adjusted standard errors for clustering at the state/year level. Analyses was conducted in Stata version 14.2 and account for the complex sample design of the PRAMS.

Table 11. Estimated Marginal Effects on Pregnancy Prevention and Birth Outcomes.

	Marginal Effect	Standard Error	p-value
Unintended Pregnancy*	-0.068	0.035	0.054
Unintended Pregnancy (drop unsure)**	-0.114	0.036	0.002
Not trying	0.021	0.035	0.557
Pregnancy Prevention Pre-conception	0.294	0.041	<0.001
Pregnancy Prevention Post-partum	0.031	0.016	0.054
Problems getting birth control pre-conception	0.019	0.023	0.409

Very Low Birthweight	-0.006	0.029	0.847
Low Birthweight	0.006	0.144	0.969
Age at First Birth	-1.020	1.111	0.363

Controls: age, race/ethnicity, education, number of stressors, drank, smoked, year, number of previous live births, number of previous terminations. * "Were you trying" was used if respondent said "was not sure" to intent question in 2012 or 2013. If not sure and not trying, then coded as unintended ** Dropped those saying 'was not sure' (2012-2013) Standard errors clustered by state/year Pre-period 2008-2010, Post-period 2012-2013. Sample is limited to Medicaid at delivery and uninsured pre-pregnancy

The results shown in Table 11 indicate that regardless of the measure of unintended pregnancy used, there were reductions in unintended pregnancy for women in Georgia relative to similar women in the control states. Using the first measure, the results indicate a reduction in births from unwanted pregnancies of 6.8 percentage points for the target group of women. When the women who are 'unsure' are excluded from this analysis, the magnitude of the effect is larger and statistically significant. The only remaining results that are statistically significant ($p < .05$) include a large increase of 29 percentage points in the probability of using pregnancy prevention methods pre-conception and a three-percentage point increase in using pregnancy prevention methods post-partum.

Claims/ Vital Records Analyses of Outcomes.

We have updated our prior analysis of the linked claims and vital records data to include data on births from 2016, the sixth program year. Descriptive data on the outcomes for 2009/2010, 2012/2013, 2014/2016 for RSM and other Medicaid paid births and for a comparison group of women delivering a live birth in Georgia over the study period are presented in Table 12. The comparison group should be women whose coverage of family planning services was not likely affected by the implementation of P4HB. In the analysis that follows, we again used privately insured women with a high school or less level of education as a comparison group. We chose a lower education level in order to identify women expected to have incomes more comparable to the RSM and other Medicaid insured women (< 200% FPL).

We note that the analysis includes two 'post P4HB' time periods: 2012-2013 before the ACA and 2014-2016 after the ACA. While Georgia did not expand Medicaid, many women who would be eligible for the P4HB program (women with incomes between 100% and 200% FPL) could obtain subsidized private insurance through the federal Marketplace exchange post ACA. As this occurs it confounds our control group in 2014 and beyond. We also note that the linkage of mothers and their babies within the claims data has improved over the study period and this means we have a larger number of VLBW infants being included in the analytic sample.

These data were used to assess the effects of the P4HB program on: 1) age at first birth; 2) teen births; 3) repeat births; 4) maternal smoking; 5) interpregnancy intervals; 6) preterm birth; and 7) birth weight distribution. The descriptive data in Table 15 indicate that between 2009/2010 and 2014/2016, some of the outcomes of interest improved favorably for the RSM and other Medicaid eligible women versus the private insured, lower educated group of women. For example, age at first birth was higher for the private insured comparison group prior to P4HB and remained stable in the follow-up P4HB periods at 27 years but in contrast, age at first birth for Medicaid insured increased by 0.8 of a year, from the pre (2009-2010) to post-P4HB periods. Moreover, the increase

in age at first birth for the Medicaid women appears related to a large decrease in the percent teen births. Whereas the percentage of teen births among privately insured declined very slightly, there was a decline of 7.6 percentage points (25.9% to 18.3%) among the Medicaid insured.

There were also declines in maternal smoking and very short interpregnancy intervals for both the private and Medicaid groups 2009-2010 to 2014-2016. The declines pre and post-P4HB seen in the maternal risk factors (teen pregnancy, smoking, short interpregnancy intervals) that are associated with poor birth outcomes were all slightly greater for the Medicaid versus the private insured and could correlate with favorable changes in preterm, low birth weight and very low birth weight rates. While we see slight improvements in the percentage preterm births for both groups, the declines in LBW and VLBW pre and post the P4HB seen for the privately insured do not hold for the Medicaid insured women. Indeed, the percentage LBW actually increases from the 2009/2010 to the 2014/ 2016 time period for the Medicaid insured women.

Overall Patterns.

Table 12. Maternal Health and Birth Outcomes for Medicaid and Private Insured Women.

Data for RSM and Private Insured Comparison Group on Targeted Maternal Health and Birth Outcomes, * All Live Births						
	Private Insured ≤ High School			Medicaid Women		
Maternal Health Outcomes	2009/ 2010	2012/ 2013	2014/ 2016	2009/ 2010	2012/ 2013	2014/ 2016
Age at First Birth ¹	27.1	26.8	27.1	22.9	23.2	23.7
Age 18-19 at First Birth ¹	6.5%	7.6%	6.2%	25.9%	21.3%	18.3%
Teen Birth ²	2.8%	3.3%	2.7%	13.1%	10.0%	8.3%
Repeat Birth ³	64.9%	65.4%	61.8%	62.3%	63.4%	64.2%
Maternal Smoking ⁴	4.6%	3.9%	3.9%	10.0%	9.1%	8.8%
Interpregnancy Interval ≤ 6 monthss	6.0%	5.9%	5.7%	12.8%	10.9%	11.3%
Interpregnancy Interval ≤ 12 monthss	16.6%	15.8%	15.5%	27.2%	23.6%	24.1%
Interpregnancy Interval ≤ 18 monthss	28.1%	26.1%	25.9%	39.8%	35.4%	35.6%
Birth Outcome						
Preterm (<37 weeks) ⁶	9.8%	9.2%	8.2%	11.6%	11.5%	10.1%
Low Birth Weight (< 2500 grams) ⁷	6.9%	6.2%	5.9%	8.9%	8.9%	9.3%
Very Low Birth Weight (< 1500 grams) ⁸	1.5%	1.1%	1.1%	1.6%	1.6%	1.7%

*All outcomes are measured using linked Medicaid and vital records data. ¹Age at first birth was determined based upon age and parity (parity = 0) as reported on the birth certificate; ²Teen birth was defined as those ages 18-19 years at the time of the index birth as reported on the birth

certificate; ³ Repeat birth was defined as those for which the birth certificate indicated that the birth event was the second or more (MBTHEVOR ≥ 2); ⁴ Maternal smoking was defined as those with tobacco use indicated on the birth certificate; ⁵ Interpregnancy interval ≤ 6 months was determined based upon the interbirth interval as indicated on the birth certificate minus the gestational age of the subsequent birth; ⁶ Preterm birth was determined based upon a gestational age < 37 weeks on the birth certificate; ⁷ Low birth weight was determined based upon an infant birth weight < 2500 grams on the birth certificate; ⁸ Very low birth weight was determined based upon an infant birth weight < 1500 grams on the birth certificate.

Regression Analysis of Medicaid Compared to Sample of Private Insured.

The descriptive data provide some insight on the expected changes pre and post the P4HB program but changes in the overall distribution of income, levels of employment, etc. will lead to changes in the numbers of women in need of and qualifying for Medicaid paid services. In order to control for some of the secular changes that may affect the fertility and birth outcomes of both the Medicaid and comparison group of women, we used data pre and post-P4HB to test whether there were differences in the changes seen pre- versus post-P4HB for the two groups. Such a quasi-experimental design enables a more rigorous examination of the causal impacts of P4HB.

Specifically, we used a pre/post (0/1) indicator, a Medicaid/private insured indicator (0/1), and interacted these two indicators (pre/post times Medicaid/private insured) to test for differences in the changes pre and post P4HB. We controlled for other factors (age group, race/ethnicity, marital status, mother’s education, mother’s tobacco use, month of birth and the percent poverty level of their census tract) in all equations. First birth (0/1) was included when analyzing the infant outcomes and we included only singletons in the regression analysis. The results shown in Table 13 reflect the two post-P4HB time periods: 2012-2013 before the ACA and 2014-2016 after the ACA. As in the PRAMS analysis, we omit data from the transitional year (2011).

The estimated effects shown in Table 13 can be interpreted as the change in the probability of the outcomes (with the exception of age at first birth, which is a continuous measure) for the RSM and other Medicaid women affected by the P4HB program versus the control group (private insured, lower education) of women, controlling for the above covariates and a monthly time trend. This provides one measure of the ‘effect’ of the demonstration on the outcomes analyzed. In our discussion of the results we focus on the effects which are significant at $p < .05$.

Table 13. Estimated Effects of P4HB Implementation on Targeted Maternal Health and Birth Outcomes, * All Live Births.

	Ages 18-44		Ages <18		Ages 18-19		Ages 18-24	
Maternal Health Outcomes	Post12_13* RSM	Post14_16* RSM	Post12_13* RSM	Post14_16* RSM	Post12_13* RSM	Post14_16* RSM	Post12_13* RSM	Post14_16* RSM
Age at First Birth:	.52 ^{^^}	.72 ^{^^}	--	--	--	--	--	--
Age 18-19 at First Birth:	-2.01 ^{^^}	-1.91 ^{^^}	--	--	--	--	--	--
Teen Birth2	-.69 ^{^^}	-.66 ^{^^}	--	--	--	--	--	--
Repeat Births	-1.39 [^]	2.59 ^{^^}	-6.04 [^]	1.06	-2.29	3.02	-2.43 [^]	2.20

Maternal Smoking ⁴	-.10	.24	--	--	.80	-1.15	.27	.21
Interpregnancy Interval ≤ 6 months	-1.10 ^{^^}	-.23	--	--	.92	-13.33	.24	-1.38
Interpregnancy Interval ≤ 12 months	-1.49 [^]	.08	--	--	5.86	-.21	-.80	-1.47
Interpregnancy Interval ≤ 18 months	-.89	.57	--	--	5.55	-.35	.88	-2.67
Birth Outcomes (Live born infants)								
Preterm (<37 weeks) ⁶	.27	-.11	-2.03	.43	1.77	-1.36	1.41	.43
Low Birth Weight (< 2500 grams) ⁷	.45	1.27 ^{^^^}	-6.59	.43	2.52	3.05	1.19	1.62 ^{^^}
Very Low Birth Weight (< 1500 grams) ⁸	.23	.35 ^{^^}	-4.47	-1.20	.58	.89	.40	.30

[^] P-value < 0.10, ^{^^} P-value < 0.05, ^{^^^} P-value < 0.01

(With the exception of age at first birth, estimated effects from logistic models are multiplied by 100 to provide percentage point changes in the dependent variable.) *All outcomes are measured using linked Medicaid and vital records data. ⁰ Insufficient sample size in control group. ¹ Age at first birth was determined based upon age and parity (parity = 0) as reported on the birth certificate; ² Teen birth was defined as those ages 18-19 years at the time of the index birth as reported on the birth certificate; ³ Repeat birth was defined as those for which the birth certificate indicated that the birth event was the second or more (MBTHEVOR ≥ 2); ⁴ Maternal smoking was defined as those with tobacco use indicated on the birth certificate; ⁵ Interpregnancy interval ≤ 6 months was determined based upon the inter-birth interval as indicated on the birth certificate minus the gestational age of the subsequent birth; ⁶ Preterm birth was determined based upon a gestational age < 37 weeks on the birth certificate; ⁷ Low birth weight was determined based upon an infant birth weight < 2500 grams on the birth certificate; ⁸ Very low birth weight was determined based upon an infant birth weight < 1500 grams on the birth certificate.

We found significant: 1) increases in the age at first birth; 2) reductions in first births at ages 18-19; 3) reductions in teen births; and 4) reductions in very short interpregnancy (<6 months) intervals. The result on age at first birth suggests a half-year increase in the age at which Medicaid women have their first birth relative to the privately insured control group in the 2012-2013 post period and the effect is larger in the 2014-2016 post P4HB period. The results indicate a reduction of approximately two percentage points in the likelihood of a first birth at ages 18-19 and in addition, almost a 0.7 percentage point reduction in births to teens less than age 18. The probability of a interpregnancy interval < six months for the Medicaid versus low-income private insured sample was lower by 1.1 percentage points in the 2012-2013 post versus pre-P4HB period.

The results on repeat (second-order) births are only significant at p < .10 and only indicate a lower probability that Medicaid insured women were having a second baby relative to the private insured comparison group in the 2012-2013 post P4HB period; this holds for teens < 18 and those ages 18-24 as well. However, in the second post-P4HB period, these effects are actually positive and significant at p<.05 for all women 18-44. These results indicate there that the ACA mandate and

the implementation of the Marketplace exchange in Georgia may be associated with a change in the composition of the Medicaid and/or comparison groups that need to be considered in future analyses. Perhaps related to this issue, there are unexpected positive effects on the probability of LBW and VLBW infant outcomes for the Medicaid women compared to the privately insured sample in the 2014-2016 post P4HB period; this effect holds only for the 18-24 age group. It may be that the evaluation of the P4HB program should be done only using data prior to the ACA as so many changes took place for women in the income range targeted by P4HB as the ACA unfolded. We will consider the use of propensity scoring as we move toward a manuscript based on these analyses.

Thus, while the combined PRAMS and vital records/clams analysis indicates effects of P4HB on increasing access to pregnancy prevention, reducing unintended births, reducing teen births, increasing age at first birth and reducing very short interpregnancy intervals we do not find evidence that the P4HB program had any effects on birth outcomes as was intended.

Medicaid Paid Births In 2016.

We continue to track the total number of Medicaid paid births and births to P4HB program participants as in prior annual reports to CMS. Birth counts increased from the 2011 level to approximately 79,000 in 2012 and 2013 but have declined since then. The total number of births, including stillbirths, paid by Georgia Medicaid in 2016 equaled 76,454.

As the data in Table A.1 also indicate, the percentage of all Medicaid births that are VLBW has been remarkably stable at about two percent over the pre/post P4HB time-period. We also previously reported that the birth weight distribution using claims data is very close to that using the linked vital records for the percentage of VLBW infants, at about 2%, but differs from the vital records on the percentage of LBW infants and hence, on the percentage of normal birth weight infants. Whereas the claims data indicate that approximately 91% of Medicaid paid births were normal birthweight, the vital records data indicate a lower rate, approximately 89%.

We ultimately treat the vital records as the 'gold standard' when measuring birth weight and work with the linked records when completing the evaluation of P4HB. We note that the linkage rate, while close to 90% in 2009-2010, fell to nearly 82% in 2011 but has increased since then. Based on the linked records, the percentage of VLBW infants paid for by Medicaid has increased slightly from 1.9% in 2009 to 2.1% in 2016. A larger increase is seen in the percentage of LBW infants, climbing from 8.3% in 2009 to 9.0% in 2016.

Data in Table A.3 show that the Medicaid costs for the mother across all deliveries (including deliveries of both live born and stillborn infants) totals slightly over \$326 million and the average costs per mother was \$4,453. The total costs for the 76,454 infants (including stillborn) delivered to Medicaid enrolled women in 2016 was approximately \$327 million, leading to a total maternal and infant cost of approximately \$653 million to the state Medicaid program. As in prior years, the average costs at delivery for the infant born VLBW was significantly higher at an estimated \$77,096 in CY 2016, compared to the costs for an infant of normal birthweight, which equaled \$1,923 in CY 2016.

The costs to Medicaid for the care of infants born VLBW continued to be high throughout their first year of life. As shown in Table A.5, the costs for the full first year of life for these infants born in the first six months of CY 2016 averaged \$10,862 and totaled nearly \$19 million. The average costs for VLBW infants is markedly lower (23%) than the average in CY 2015 (\$14,119). The difference appears to be driven by the very large costs of care for a few VLBW infants in CY 2015 since the median is not that different between the two years.

In comparison, the average costs to Medicaid for the first year of life for a normal birth weight infant in CY 2016 was \$2,669. The bulk of the total cost for all infants in their first year is for these infants of normal weight, at \$185 million, with a total cost for all infants of \$236 million. While nearly 90% of all infants born under Medicaid coverage are of normal birth weight, the more the P4HB program can 'shift' the birthweight distribution toward these normal birth weight infants, the more successful it will be in terms of improving the health of the newborns as well as reducing the costs to the Medicaid program.

Conclusions and Recommendations.

The data and conclusions reported within this annual report pertain largely to the sixth year of the P4HB Demonstration and measures based on linked Medicaid and vital records data. In this, as in the PY5 Annual Report, we include analysis of the effects of the P4HB based on the Pregnancy Risk Assessment Monitoring System (PRAMS) data and linked claims/vital records using the quasi-experimental design originally proposed to CMS. These analyses are based on five years of data after the implementation of the P4HB program and hence, provide significant information regarding the success of the program on its stated goals. In the introduction to this report, we organized our findings around the program goals and objectives.

Here, we provide a summary conclusion from the analysis, challenges to achieving the stated goals of the P4HB, and a set of recommendations to move the program closer to its intended goals.

Conclusions. Overall, the progress on key P4HB goals and related program objectives is mixed. While the combined PRAMS and vital records/ claims analysis indicates effects of P4HB on increasing access to pregnancy prevention, reducing unintended births, reducing teen births, increasing age at first birth and reducing very short interpregnancy intervals, there is little evidence to indicate that the P4HB program has yet had any effects on infant birth outcomes. As noted above, the descriptive data on low and very low birth weight indicate an upward trend and the analysis based on the quasi-experimental design showed no significant effects.

While the P4HB initially enrolled a significant portion of eligible women in the community, enrollment dropped significantly when the auto-enrollment process ended and, more currently, other options for obtaining insurance have perhaps moved some near-poor women onto the Marketplace exchange. Access to and use of family planning and contraceptive services has also been an issue. As the current reports notes, the use of any family planning services and in particular, the use of the more effective contraceptive methods has not increased substantially, although patterns were affected by the lower use rates seen among the auto-enrolled.

Yet, once women are enrolled in the FP only or IPC components of the P4HB, they are less likely to have pregnancies or deliveries than comparison groups of RSM women followed over the same time period. This would suggest that enrolling and retaining larger numbers of women in the P4HB may be key to moving the program closer to its intended goals.

Barriers to Success. There are numerous reasons the P4HB has not attained some of its stated goals. While some of these may be beyond the control of the state, there are some key threats that can be noted:

- Low levels of enrollment and penetration of the eligible population in the community;
- Low retention of enrollees in both the FP only and IPC components of the program beyond the one-year mark related to the required re-certification of program eligibility that occurs at that point for the continuation of enrollment and benefits;
- Limited understanding of the program itself – including the enrollment process and the program’s eligibility criteria and covered services – by women and their providers;
- Limited marketing or large-scale outreach to eligible women about P4HB and the enrollment process.
- Lack of focus on how the FP only and IPC components must work together to decrease the probability of a VLBW infant outcome through reducing teen and unintended pregnancies, lengthening interpregnancy intervals, as well as by reducing the risk of a repeat VLBW delivery through interpregnancy care.
- Little improvement in use of family planning services in general and, importantly, little to no improvement in the use of the most effective contraceptive methods;
- Disruption of the Title X provider system and initial declines in female family planning users that limited the ability of P4HB to reach the broader community of eligible women.

Our analysis of the chronic conditions for which the IPC and RM women are receiving services highlights that, while utilization of IPC care is not as high as it could be for these women, women with chronic health conditions are indeed utilizing services for a variety of chronic conditions that are linked to adverse reproductive health outcomes if the conditions are not under control with proper management. This highlights the importance of the IPC services for promoting subsequent reproductive health outcomes. The leading chronic conditions for which services were utilized were similar in order of importance for IPC and Resource Mother only women, although the percent utilizing the chronic health condition services were substantially higher for women in the Resource Mother only group. This may highlight their better understanding of the availability of covered services or their worse underlying health status. The leading chronic health conditions for which IPC and Resource Mother women utilized services were for cardiovascular disorders, particularly for hypertension; followed by migraine headaches; endocrine disorders, particularly obesity; and substance use, particularly tobacco use.

As described previously, but which is deserving of further emphasis, in order to better understand the proportion of women with chronic health conditions who are enrolled in the IPC and Resource Mother only components of P4HB, and then evaluate the proportion of those women known to have chronic health conditions who are utilizing services for the care of those chronic health

conditions during the interpregnancy period, we plan to broaden the scope of our evaluation to include using the infant birth records and prenatal care claims codes to establish the set of women with and without diagnosed chronic health conditions and examine their utilization of indicated chronic care and preventive health services during the time that they are enrolled in the program. This more refined analysis of the set of women with chronic health conditions who deliver a VLBW infant and are enrolled in the IPC and Resource Mother only components will allow for us to examine for another threat to success—the possible lack of coordination between obstetrical and other providers in the Medicaid system. Women with chronic health conditions need access to primary health care providers and appropriate follow-up care, which they may not be receiving consistently. Similarly, those with chronic health conditions need not only the care important to their chronic health conditions but also access to family planning services to help in avoiding repeat pregnancies before the chronic conditions are better managed and pregnancies with short intervals.

As reported in prior years, while there have been numerous efforts throughout the state to make women and providers aware of the P4HB program, and despite these efforts the percentage of women eligible who actually enrolled in the program has consistently fallen well below the expected numbers. While uninsured women in the income range targeted by the P4HB program has declined in Georgia, a large number remain uninsured in 2016 and it is likely that many of them would qualify for and benefit from the P4HB program. On a positive note, the implementation of Georgia Gateway, the systematic approach to one-stop enrollment for public system, was fully implemented during 2017, offering promise that more of these uninsured, eligible women will be systematically brought into P4HB.

Appendix D: Summaries of Quality Assurance Monitoring.

Per 42 CFR 431.412(c)(2)(iv), the application should include summaries of External Quality Review Organization (EQRO) reports, CMO and State quality assurance monitoring, and any other documentation of the quality of and access to care provided under the demonstration.

P4HB services are delivered through the Care Management Organizations (CMOs) and their networks of providers. According to 42 CFR §438.358, the state, an agent that is not a Care Management Entity, or its EQRO must conduct reviews to determine compliance with standards established by the State related to member rights and protections, access to services, structure and operations, measurement and improvement, and grievance system standards. P4HB is included in the annual compliance reviews for each CMO.

In 2016, DCH's Quality Strategic Plan noted that the P4HB program identified successes in reducing the number of repeat very low birthweight births. DCH's Quality Strategic Plan continues to include strategies to improve access to family planning and interpregnancy care services through collaboration and data monitoring. DCH's QAPI report can be found online at <https://dch.georgia.gov/medicaid-quality-reporting>.

Overall, 2018 QAPI evaluations showed that over the course of several quarters, the CMOs have strived to stabilize enrollment and raise participation in the family planning program by increasing the number of outreach events. At these community events, meetings, health fairs, etc.

resource mothers educated community partners, P4HB enrollees, P4HB participants, and potential enrollees about the program benefits and services as well as leveraged community partners to be key communicators. In 2017, all CMOs continued to expand its outreach efforts for resource mother participation.

DCH has identified the need to refine the provider-facing materials to an improved user-friendly format. New materials were approved by DCH in late December 2016 and has been placed in circulation in 2017. This stronger one-page educational flyer offers detailed information about all aspects of the program and addresses all three portions of the target membership (Family Planning, Inter-Pregnancy Care, and Resource Mother only). In addition, Provider Relations teams will distribute and conduct face-to-face education with providers through a targeted provider outreach process in 2017.

CMO specific, and more detailed QAPI information can be found at <https://dch.georgia.gov/medicaid-quality-reporting>.

Appendix E: Public Notice Process.

Pursuant to 42 CFR 431.408, DCH is required to give a 30-day public notice and comment period and conduct two (2) public hearings related to the State's plan to comply with Section 1115(a) of the Social Security Act (the Act) and 42 USC §1315(a) for demonstration projects.

The 30-day public notice and comment period will be open from October 11, 2018 through November 12, 2018. Two opportunities for in person public comment will be held. DCH will accept verbal and written comments at these meetings. The meetings are as follows:

- Thursday, October 18, 2018, 10:30 a.m. EST
Department of Community Health
2 Peachtree Street Northwest, Atlanta, Georgia 30303
1-877-411-9748, Access Code 2562265, or,
WebEx:

<https://dchevents.webex.com/dchevents/onstage/g.php?MTID=ec921dc1b62121fc211007edf9f17437a>

Event number: 667 744 378

- Friday, October 26, 2018; 8:00 a.m. - 2:00 p.m. EST
Center for Rural Prosperity, The Georgia Chamber Tifton Office
1001 Love Avenue Tifton, Georgia 31794

Please see Attachment 3 for the Public Notice and Abbreviated Public Notice.

After hearing the public's ideas and comments, DCH will make final decisions about how to proceed with the P4HB waiver renewal request at the **December 14, 2018 DCH Board Meeting**.

Public comments and public testimony will be provided to the Board of Community Health prior to the **December 14, 2018 Board meeting**. The Board will vote on any proposed changes at the Board

meeting to be held at 10:30 a.m. at the Department of Community Health (2 Peachtree Street, N.W., Atlanta, Georgia 30303) in the 5th Floor Board Room. DCH will then submit the application, and supporting documents to CMS.

The summary of comments will be posted online for public viewing, along with the waiver application when it is submitted to CMS. Please see Attachment 4 for the Public Notice Process Report for issues raised by the public during the state's 30-day public comment period and how DCH considered the comments when developing the demonstration extension application. Because Georgia's 30-day public comment period has not started yet, a report on the 30-day public comment period will be included before the application is formally submitted to CMS.

DCH intends to submit a request to renew the P4HB to CMS, effective for services provided on or after April 1, 2019.

Appendix F: Summary of Waiver and Expenditure Authorities.

Waiver Authorities.

DCH is requesting to extend the same waiver authorities as currently approved in the P4HB demonstration. Those waiver authorities are listed below:

- **Methods of Administration: Transportation Section 1902(a)(4) insofar as it incorporates 42 CFR 431.53 to the extent necessary, to enable the State to not assure transportation to and from providers for Demonstration Population 1.**
- **Eligibility Section 1902(a)(10)(A) - To the extent necessary to allow Georgia to not provide medical assistance for Demonstration Populations 1 and 2 until the individual has been enrolled in a managed care organization.**
- **Amount, Duration, and Scope of Services (Comparability) Section 1902(a)(10)(8) - To the extent necessary to allow the State to offer Demonstration Population 1 a benefit package consisting only of family planning and family planning-related services and Demonstration Population 2 a benefit consisting only of family planning, family planning related services, and IPC services.**
- **Freedom of Choice Section 1902(a)(23) - To the extent necessary to enable the State to limit freedom of choice of provider for Demonstration Populations 1 and 2. Individuals may be auto-enrolled into the care management organization they were enrolled in at the time of the delivery of their VLBW baby.**
- **Retroactive Eligibility Section 1902(a)(34) - To the extent necessary to enable the State to not provide medical assistance to Demonstration Populations 1 and 2 for any time prior to when an application for the Demonstration is made.**

- **Early and Periodic Screening, Diagnostic, and Treatment Section 1902(a)(43)(A) (EPSDT) - To the extent necessary to enable the State to not furnish or arrange for all EPSDT services to Demonstration Populations 1 and 2.**

Expenditure Authorities.

DCH is requesting to extend the same expenditure authorities as currently approved in the P4HB demonstration. Those expenditure authorities are listed below:

- **Demonstration Population 1: Expenditures for extending family planning and family planning-related services provided to:**
 - **Uninsured women, ages 18 through 44, losing Medicaid pregnancy coverage at the conclusion of 60 days postpartum, and who are not otherwise eligible for Medicaid or the Children's Health Insurance Program (CHIP); and,**
 - **Uninsured women, ages 18 through 44, who have family income at or below 211 percent of FPL, and who are not otherwise eligible for Medicaid or CHIP.**
- **Demonstration Population 2: Expenditures for extending family planning, family planning-related, and IPC services to women, ages 18 through 44, who deliver a VLBW baby on or after January 1, 2011, with family income at or below 211 percent of the FPL, and who are not otherwise eligible for Medicaid or CHIP. IPC services will be available for 2 years after enrollment.**
- **Demonstration Services 1: Expenditures for extending Resource Mother Outreach services to women, ages 18 through 44, who deliver a VLBW baby on or after January 1, 2011, who are eligible for Medicaid. Resource Mother services will be available for 2 years after enrollment.**

Public Notice

Planning for Healthy Babies (P4HB) Demonstration Extension Proposal

Pursuant to 42 CFR 431.408, the Georgia Department of Community Health (DCH) is required to give a 30-day public notice and comment period and conduct two (2) public hearings related to the State's plan to comply with Section 1115(a) of the Social Security Act (the Act) and 42 USC §1315(a) for demonstration projects. DCH hereby notifies the public via this Public Notice and electronic mailing list that it intends to submit a Demonstration Extension Proposal to the Centers for Medicare and Medicaid Services (CMS) for the Planning for Healthy Babies Program (P4HB).

DCH intends to submit a request to renew the P4HB to CMS, effective for services provided on or after April 1, 2019.

The 30-day public notice and comment period will be open from October 11, 2018 through November 29, 2018.

P4HB Description, Goals, and Objectives.

P4HB provides family planning and family planning-related services to eligible women ages 18 through 44 and inter-pregnancy care (IPC) services including primary care and primary care case management for eligible women who have delivered a very low birth weight baby.

The goal of this Demonstration Extension Proposal is to continue efforts to reduce Georgia's low birth weight rate, to reduce the number of unintended pregnancies in Georgia, and to reduce Georgia's Medicaid costs by reducing the number of unintended pregnancies by women who otherwise would be eligible for Medicaid pregnancy-related services. Services will be delivered through the Georgia Families Care Management Organizations (CMOs).

The objective of this Demonstration is to assist the State of Georgia in reducing its low birth weight rates by providing preconception and inter-conception care that promotes birth spacing and appropriately timed pregnancies.

P4HB Proposed Health Care Delivery System, Eligibility Requirements, Benefit Coverage, and Cost Sharing.

Eligibility requirements for P4HB differ slightly for the three levels of service offered within the program. There is no cost-sharing required to receive any of these levels of service.

All participants must be 18 through 44 years of age with incomes at or below 211% of the current federal poverty level (FPL) and be able to bear children. Women seeking family planning and family planning related services only must meet these requirements and must also be otherwise uninsured. Women seeking IPC services in addition to the family planning and family planning related services must meet all of the above requirements and must have delivered a very low birth weight baby (VLBW). P4HB also offers Resource Mothers Outreach only services to women 18

through 44 years of age who are able to bear children, have delivered a VLBW baby, and eligible for Medicaid services.

The following benefits are currently available under P4HB and will continue to be available upon program extension.

1. Family planning services and supplies described in section 1905(a)(4)(C) of the Act are reimbursable at the 90 percent matching rate, including: approved methods of contraception, sexually transmitted infection testing, Pap test, pelvic exams, drugs, supplies, devices related to women's health services, contraceptive management, patient education, and counseling. Family planning-related services are reimbursable at the State's Federal Medical Assistance Percentage (FMAP) rate.
2. Participants ages 19 and 20 will be eligible to receive the Hepatitis B, tetanus-diphtheria (Td), and combined tetanus, diphtheria, and pertussis (Tdap) vaccinations. Participants who are 18 years old are eligible to receive immunizations at no cost via the Vaccines for Children (VFC) Program. These services are reimbursable at the State's FMAP rate.
3. Women who are enrolled in the IPC component of the P4HB are also eligible for primary care referrals to other social service and health care providers as medically indicated, 5 office/outpatient visits, management and treatment of chronic diseases, substance use disorder treatment (detoxification and intensive outpatient rehabilitation) (referral required), case management/ Resource Mothers Outreach, limited dental, prescription drugs (non-family planning), and non-emergency medical transportation. These services are reimbursable at the State's FMAP rate.
4. Women serviced under the IPC and Resource Mothers Outreach components of the P4HB will have access to Resource Mothers Outreach. The CMOs will employ or contract with Resource Mothers and the Resource Mothers will assist nurse case managers to achieve defined health improvement goals.

Estimated Annual Enrollment and Aggregate Expenditures.

Federal policy requires that Section 1115 Demonstration applications be budget neutral to the federal government. This means that an 1115 Demonstration should not cost the federal government more than what would have otherwise been spent absent the 1115 Demonstration.

Georgia will maintain budget neutrality over the ten-year lifecycle of its P4HB Section 1115 Demonstration, with total spending under the demonstration not exceeding what the federal government would have spent without the demonstration.

Actual and projected total P4HB Section 1115 demonstration enrollment and expenditures are listed below:

	Planning for Healthy Babies Members	Cost of Planning for Healthy Babies Waiver
CY 2013 (Demonstration Year 03) Actual Results	63,908	\$18,241,757
CY 2014 (Demonstration Year 04) Actual Results	38,600	\$8,600,688
CY 2015 (Demonstration Year 05) Actual Results	21,352	\$4,618,677
CY 2016 (Demonstration Year 06) Actual Results	19,731	\$4,744,092
CY 2017 (Demonstration Year 07) Actual Results	37,872	\$7,103,130
CY 2018 (Demonstration Year 08) Projected Results	79,387	\$15,828,858
CY 2019 (Demonstration Year 09) Projected Results	96,946	\$18,668,910
CY 2020 (Demonstration Year 10) Projected Results	47,841	\$11,213,937
CY 2021 (Demonstration Year 11) Projected Results	35,103	\$9,498,426
CY 2022 (Demonstration Year 12) Projected Results	32,654	\$9,576,152
CY 2023 (Demonstration Year 13) Projected Results	32,957	\$10,217,312
CY 2024 (Demonstration Year 14) Projected Results	33,278	\$10,902,072
CY 2025 (Demonstration Year 15) Projected Results	33,617	\$11,633,439

CY 2026 (Demonstration Year 16) Projected Results	33,975	\$12,414,631
CY 2027 (Demonstration Year 17) Projected Results	34,354	\$13,249,088
CY 2028 (Demonstration Year 18) Projected Results	34,754	\$14,140,495

Hypothesis and Evaluation Parameters.

The key hypothesis for the P4HB waiver are as follows:

- If P4HB lowers the number of overall Medicaid paid pregnancies, deliveries, births, the state and federal government will ultimately realize a net cost savings despite increased spending on family planning and interpregnancy care related services.
- If P4HB causes changes such that there are relatively fewer low birth weight and very low birth weight infants born to Medicaid enrolled women in Georgia, total expenditures should be lowered for the state and federal government.

P4HB will continue to be evaluated using a quasi-experimental design to test for changes pre- and post-P4HB using the following performance measures:

- Total family planning visits per poor and near poor woman;
- Use of contraceptive services/supplies per poor and near poor woman;
- Use of interpregnancy care services (primary care and outreach) by women with a VLBW delivery;
- Average interpregnancy intervals for poor and near poor women;
- Average interpregnancy intervals for women with a VLBW delivery;
- Teen and repeat teen births for poor and near poor 18- and 19-year-olds;
- Rate of LBW and VLBW deliveries among the Medicaid population with comparisons to the statewide rates for LBW and VLBW deliveries;
- Rate of LBW and VLBW deliveries among poor and near poor women and among Medicaid enrolled women compared to other populations within the state;
- Rate of infant mortality among the Medicaid population with a comparison to the statewide rate for infant mortality;
- Rate of infant mortality among poor and near poor women and among Medicaid enrolled women compared to other populations within the state.

The objectives of the evaluation are to test not only for changes in the performance measures pre and post P4HB but to assess whether there is evidence of a causal pathway through the expanded

access the P4HB program provides. When sufficient numbers of eligible women enroll in the program such that there is an increase in the overall use of family planning services and supplies among low-income women or an increase in consistent use of more effective contraceptive methods than would otherwise occur, use of methods of higher effectiveness should lead to reduced rates of unintended pregnancies, unintended births among this population of women, and improved interpregnancy intervals. Since teens are at high risk of unintended pregnancies, the rate of unintended births and repeat teen births should also fall as a result of the Demonstration.

Waiver Authorities.

DCH is requesting to extend the same waiver authorities as currently approved in the P4HB demonstration. Those waiver authorities are listed below:

- **Methods of Administration: Transportation Section 1902(a)(4)** insofar as it incorporates 42 CFR 431.53 to the extent necessary, to enable the State to not assure transportation to and from providers for Demonstration Population 1.
- **Eligibility Section 1902(a)(10)(A)** - To the extent necessary to allow Georgia to not provide medical assistance for Demonstration Populations 1 and 2 until the individual has been enrolled in a managed care organization.
- **Amount, Duration, and Scope of Services (Comparability) Section 1902(a)(10)(8)** - To the extent necessary to allow the State to offer Demonstration Population 1 a benefit package consisting only of family planning and family planning-related services and Demonstration Population 2 a benefit consisting only of family planning, family planning related services, and IPC services.
- **Freedom of Choice Section 1902(a)(23)** - To the extent necessary to enable the State to limit freedom of choice of provider for Demonstration Populations 1 and 2. Individuals may be auto-enrolled into the care management organization they were enrolled in at the time of the delivery of their VLBW baby.
- **Retroactive Eligibility Section 1902(a)(34)** - To the extent necessary to enable the State to not provide medical assistance to Demonstration Populations 1 and 2 for any time prior to when an application for the Demonstration is made.
- **Early and Periodic Screening, Diagnostic, and Treatment Section 1902(a)(43)(A) (EPSDT)** - To the extent necessary to enable the State to not furnish or arrange for all EPSDT services to Demonstration Populations 1 and 2.

Expenditure Authorities.

DCH is requesting to extend the same expenditure authorities as currently approved in the P4HB demonstration. Those expenditure authorities are listed below:

- **Demonstration Population 1:** Expenditures for extending family planning and family planning-related services provided to:
 - Uninsured women, ages 18 through 44, losing Medicaid pregnancy coverage at the conclusion of 60 days postpartum, and who are not otherwise eligible for Medicaid or the Children's Health Insurance Program (CHIP); and,
 - Uninsured women, ages 18 through 44, who have family income at or below 211 percent of FPL, and who are not otherwise eligible for Medicaid or CHIP.
- **Demonstration Population 2:** Expenditures for extending family planning, family planning-related, and IPC services to women, ages 18 through 44, who deliver a VLBW baby on or after January 1, 2011, with family income at or below 211 percent of the FPL, and who are not otherwise eligible for Medicaid or CHIP. IPC services will be available for 2 years after enrollment.
- **Demonstration Services 1:** Expenditures for extending Resource Mother Outreach services to women, ages 18 through 44, who deliver a VLBW baby on or after January 1, 2011, who are eligible for Medicaid. Resource Mother services will be available for 2 years after enrollment.

Locations to Access Copies of Public Notice and Waiver Application.

This public notice, the abbreviated public notice, and the demonstration application are also available on the Department's website homepage, at <https://dch.georgia.gov>. This public notice, the abbreviated public notice, and the demonstration waiver application are also available for review at each county Division of Family and Children Services office. A comprehensive statewide list of locations of all Division of Family and Children Services offices can be found at <https://dfcs.georgia.gov/locations>.

Public Hearings and Public Input Procedure.

Two opportunities for in person public comment will be held. DCH will accept verbal and written comments at these meetings. The meetings are as follows:

- **Thursday, October 18, 2018, 10:30 a.m. EST**
 Department of Community Health
 2 Peachtree Street Northwest, Atlanta, Georgia 30303
 1-877-411-9748, Access Code 2562265, or,
 WebEx:
<https://dchevents.webex.com/dchevents/onstage/g.php?MTID=ec921dc1b62121fc211007edf9f17437a>
 Event number: 667 744 378
- **Friday, October 26, 2018; 8:00 a.m. - 2:00 p.m. EST**
 Center for Rural Prosperity, The Georgia Chamber Tifton Office
 1001 Love Avenue Tifton, Georgia 31794

This public notice and the demonstration waiver application is available for review at each county Division of Family and Children Services office. A comprehensive statewide list of locations of all Division of Family and Children Services offices can be found at <https://dfcs.georgia.gov/locations>.

Individuals wishing to comment in writing on any of the proposed changes should do between **Thursday, October 11, 2018 and Monday, November 29, 2018**, to the Board of Community Health, Post Office Box 1966, Atlanta, Georgia 30301-1966. You may also email comments to Danisha Williams, danwilliams@dch.ga.gov or fax to (404) 651-6880.

Comments submitted will be available for review by submitting a request via email to Danisha Williams, danwilliams@dch.ga.gov. Public comments and public testimony will be provided to the Board of Community Health prior to the **December 14, 2018** Board meeting. The Board will vote on any proposed changes at the Board meeting to be held at 10:30 a.m. at the Department of Community Health (2 Peachtree Street, N.W., Atlanta, Georgia 30303) in the 5th Floor Board Room.

NOTICE IS HEREBY GIVEN THIS 11th DAY OF OCTOBER, 2018
Frank W. Berry, Commissioner

Abbreviated Public Notice

Planning for Healthy Babies Demonstration Extension Proposal

Pursuant to 42 CFR 431.408, the Georgia Department of Community Health (DCH) is required to give a 30 day public notice and comment period and conduct two (2) public hearings related to the State's plan to comply with Section 1115(a) of the Social Security Act (the Act) and 42 USC §1315(a) for demonstration projects. DCH hereby notifies the public via this Public Notice and electronic mailing list that it intends to submit a Demonstration Extension Proposal to the Centers for Medicare and Medicaid Services (CMS) for the Planning for Healthy Babies Program (P4HB).

DCH intends to submit a request to renew the P4HB to CMS, effective for services provided on or after April 1, 2019.

The 30-day public notice and comment period will be open from October 11, 2018 through November 29, 2018.

P4HB Description, Goals, and Objectives.

P4HB provides family planning and family planning-related services to eligible women ages 18 through 44 and inter-pregnancy care services including primary care and primary care case management for eligible women who have delivered a very low birth weight baby.

The goal of this Demonstration Extension Proposal is to continue efforts to reduce Georgia's low birth weight rate, to reduce the number of unintended pregnancies in Georgia, and to reduce Georgia's Medicaid costs by reducing the number of unintended pregnancies by women who otherwise would be eligible for Medicaid pregnancy-related services. Services will be delivered through the Georgia Families Care Management Organizations (CMOs).

The objective of this Demonstration is to assist the State of Georgia in reducing its low birth weight rates by providing preconception and inter-conception care that promotes birth spacing and appropriately timed pregnancies.

Locations to Access Copies of Public Notice and Waiver Application.

This public notice, the abbreviated public notice, and the demonstration waiver application are also available on the Department's website homepage, at <https://dch.georgia.gov>. This public notice, the abbreviated public notice, and the demonstration waiver application are also available for review at each county Division of Family and Children Services office. A comprehensive statewide list of locations of all Division of Family and Children Services offices can be found at <https://dfcs.georgia.gov/locations>.

Public Hearings and Public Input Procedure.

Two opportunities for in person public comment will be held. DCH will accept verbal and written comments at these meetings. The meetings are as follows:

- Thursday, October 18, 2018, 10:30 a.m. EST
Department of Community Health
2 Peachtree Street Northwest, Atlanta, Georgia 30303
1-877-411-9748, Access Code 2562265, or,
WebEx:

<https://dchevents.webex.com/dchevents/onstage/g.php?MTID=ec921dc1b62121fc211007edf9f17437a>

Event number: 667 744 378

- Friday, October 26, 2018; 8:00 a.m. - 2:00 p.m. EST
Center for Rural Prosperity, The Georgia Chamber Tifton Office
1001 Love Avenue Tifton, Georgia 31794

This public notice and the demonstration waiver application is available for review at each county Division of Family and Children Services office. A comprehensive statewide list of locations of all Division of Family and Children Services offices can be found at <https://dfcs.georgia.gov/locations>. This public notice, the abbreviated public notice, and the demonstration waiver application are also available on the Department's website homepage, at <https://dch.georgia.gov>.

Individuals wishing to comment in writing on any of the proposed changes should do so **between Thursday, October 11, 2018 and Monday, November 29, 2018**, to the Board of Community Health, Post Office Box 1966, Atlanta, Georgia 30301-1966. You may also email comments to Danisha Williams, danwilliams@dch.ga.gov or fax to (404) 651-6880.

Comments submitted will be available for review by submitting a request via email to Danisha Williams, danwilliams@dch.ga.gov. Comments from and public testimony will be provided to the Board of Community Health prior to the **December 14, 2018** Board meeting. The Board will vote on any proposed changes at the Board meeting to be held at 10:30 a.m. at the Department of Community Health (2 Peachtree Street, N.W., Atlanta, Georgia 30303) in the 5th Floor Board Room.

NOTICE IS HEREBY GIVEN THIS 11th DAY OF OCTOBER, 2018

Frank W. Berry, Commissioner

	Planning for Healthy Babies Members	Cost of Planning for Healthy Babies Waiver
CY 2013 (Demonstration Year 03) Actual Results	63,908	\$18,241,757
CY 2014 (Demonstration Year 04) Actual Results	38,600	\$8,600,688
CY 2015 (Demonstration Year 05) Actual Results	21,352	\$4,618,677
CY 2016 (Demonstration Year 06) Actual Results	19,731	\$4,744,092
CY 2017 (Demonstration Year 07) Actual Results	37,872	\$7,103,130
CY 2018 (Demonstration Year 08) Projected Results	79,387	\$15,828,858
CY 2019 (Demonstration Year 09) Projected Results	96,946	\$18,668,910
CY 2020 (Demonstration Year 10) Projected Results	47,841	\$11,213,937
CY 2021 (Demonstration Year 11) Projected Results	35,103	\$9,498,426
CY 2022 (Demonstration Year 12) Projected Results	32,654	\$9,576,152
CY 2023 (Demonstration Year 13) Projected Results	32,957	\$10,217,312
CY 2024 (Demonstration Year 14) Projected Results	33,278	\$10,902,072
CY 2025 (Demonstration Year 15) Projected Results	33,617	\$11,633,439
CY 2026 (Demonstration Year 16) Projected Results	33,975	\$12,414,631
CY 2027 (Demonstration Year 17) Projected Results	34,354	\$13,249,088

	Planning for Healthy Babies Members	Cost of Planning for Healthy Babies Waiver
CY 2028 (Demonstration Year 18) Projected Results	34,754	\$14,140,495

	Family Planning								Interpregnancy Care and Resource Mother										Total Savings Due to Planning for Healthy Babies 1115 Waiver
	Family Planning Members	Cost with Waiver			Cost Without Waiver			Savings Due to Family Planning Portion of Waiver	Interpregnancy Care and Resource Mother Members	Cost with Waiver			Cost Without Waiver				Savings Due to Interpregnancy Care and Resource Mother Portion of Waiver		
		Family Planning Member Months	Family Planning Per Member Per Month Cost	Total Cost of Family Planning	Projected Number of Averted Births	Average Capitalated Cost of an Infant through its First Year of Life	Total Projected Cost without Family Planning			Interpregnancy Care and Resource Mother Member Months	Interpregnancy Care and Resource Mother Per Member Per Month Cost	Total Cost of Interpregnancy Care and Resource Mother	Projected Number of Averted Low Birth Weight (LBW) Births	Average Capitalated Cost of a LBW Infant through its First Year of Life	Projected Number of Averted Very Low Birth Weight (VLBW) Births	Average Capitalated Cost of a VLBW Infant through its First Year of Life		Total Projected Cost without Interpregnancy Care and Resource Mother	
CY 2011 (Demonstration Year 01) Actual Results	8,378	32,239	\$38.17	\$1,230,715	37	\$13,297.59	\$492,011	(\$738,704)	27	77	\$1,501.17	\$115,590.00	39	\$13,297.59	16	\$101,235.60	\$2,138,375.61	\$2,022,785.61	\$1,284,081.44
CY 2012 (Demonstration Year 02) Actual Results	51,791	351,053	\$36.34	\$12,755,643	907	\$13,550.71	\$12,290,494	(\$465,149)	337	1,168	\$1,711.37	\$1,998,877.00	157	\$13,550.71	66	\$104,087.70	\$8,997,249.67	\$6,998,372.67	\$6,533,223.64
CY 2013 (Demonstration Year 03) Actual Results	63,190	430,783	\$36.34	\$15,654,866	3,770	\$14,237.88	\$53,676,808	\$38,021,942	718	3,030	\$853.76	\$2,586,891.00	154	\$14,237.88	55	\$109,697.06	\$8,225,971.82	\$5,639,080.82	\$43,661,022.42
CY 2014 (Demonstration Year 04) Actual Results	37,827	200,728	\$35.75	\$7,175,173	3,368	\$14,743.72	\$49,656,849	\$42,481,676	773	4,017	\$354.87	\$1,425,515.00	102	\$14,743.72	35	\$120,330.87	\$5,715,439.89	\$4,289,924.89	\$46,771,600.85
CY 2015 (Demonstration Year 05) Actual Results	20,629	140,059	\$20.50	\$2,871,009	1,381	\$14,284.02	\$19,726,232	\$16,855,223	723	3,761	\$464.66	\$1,747,668.00	75	\$14,284.02	26	\$119,854.45	\$4,187,517.20	\$2,439,849.20	\$19,295,071.82
CY 2016 (Demonstration Year 06) Actual Results	18,781	127,345	\$27.07	\$3,447,793	1,358	\$14,368.87	\$19,512,925	\$16,065,132	950	3,862	\$335.65	\$1,296,299.00	62	\$14,368.87	27	\$123,477.50	\$4,224,762.44	\$2,928,463.44	\$18,993,595.90
CY 2017 (Demonstration Year 07) Actual Results	34,322	150,675	\$28.15	\$4,242,038	2,471	\$15,424.69	\$38,114,409	\$33,872,371	3,550	13,201	\$216.73	\$2,861,092.00	237	\$15,424.69	90	\$72,914.86	\$10,217,988.93	\$7,356,896.93	\$41,229,267.92
Total Actual Results	234,918	1,432,882	\$33.06	\$47,377,237	13,292	\$14,555.35	\$193,469,727	\$146,092,490	7,078	29,116	\$413.24	\$12,031,932.00	826	\$14,479.88	315	\$100,783.88	\$43,707,305.56	\$31,675,373.56	\$177,767,863.99
CY 2018 (Demonstration Year 08) Projected Results	75,338	452,025	\$28.39	\$12,832,990	5,424	\$16,512.34	\$89,567,886	\$76,734,896	4,049	16,198	\$184.96	\$2,995,868.41	232	\$16,512.34	88	\$16,512.34	\$5,283,948.80	\$2,288,080.39	\$79,022,976.50
CY 2019 (Demonstration Year 09) Projected Results	92,439	554,635	\$27.60	\$15,307,917	6,656	\$16,633.07	\$110,703,328	\$95,395,411	4,507	18,028	\$186.43	\$3,360,993.10	227	\$16,633.07	86	\$16,633.07	\$5,206,150.91	\$1,845,157.81	\$97,240,569.26
CY 2020 (Demonstration Year 10) Projected Results	43,077	258,460	\$29.64	\$7,661,368	3,102	\$17,464.72	\$54,167,139	\$46,505,771	4,764	19,056	\$186.43	\$3,552,569.71	213	\$17,464.72	80	\$17,464.72	\$5,117,163.99	\$1,564,594.27	\$48,070,365.35
CY 2021 (Demonstration Year 11) Projected Results	30,067	180,405	\$31.84	\$5,743,360	2,165	\$18,337.96	\$39,699,096	\$33,955,736	5,035	20,142	\$186.43	\$3,755,066.18	203	\$18,337.96	77	\$18,337.96	\$5,134,628.71	\$1,379,562.52	\$35,335,298.92
CY 2022 (Demonstration Year 12) Projected Results	27,331	163,988	\$34.19	\$5,607,047	1,968	\$19,254.86	\$37,890,802	\$32,283,755	5,323	21,290	\$186.43	\$3,969,104.96	195	\$19,254.86	74	\$19,254.86	\$5,179,556.71	\$1,210,451.75	\$33,494,207.22
CY 2023 (Demonstration Year 13) Projected Results	27,331	163,988	\$36.72	\$6,021,968	1,968	\$20,217.60	\$39,785,342	\$33,763,374	5,626	22,504	\$186.43	\$4,195,343.94	189	\$20,217.60	71	\$20,217.60	\$5,256,576.14	\$1,061,232.20	\$34,824,606.33
CY 2024 (Demonstration Year 14) Projected Results	27,331	163,988	\$39.44	\$6,467,594	1,968	\$21,228.48	\$41,774,609	\$35,307,016	5,947	23,786	\$186.43	\$4,434,478.54	184	\$21,228.48	70	\$21,228.48	\$5,392,034.06	\$957,555.52	\$36,264,571.12
CY 2025 (Demonstration Year 15) Projected Results	27,331	163,988	\$42.36	\$6,946,196	1,968	\$22,289.90	\$43,863,340	\$36,917,144	6,286	25,142	\$186.43	\$4,687,243.82	181	\$22,289.90	68	\$22,289.90	\$5,550,186.24	\$862,942.42	\$37,780,086.55
CY 2026 (Demonstration Year 16) Projected Results	27,331	163,988	\$45.49	\$7,460,214	1,968	\$23,404.40	\$46,056,507	\$38,596,293	6,644	26,575	\$186.43	\$4,954,416.72	179	\$23,404.40	67	\$23,404.40	\$5,757,482.36	\$803,065.64	\$39,399,358.28
CY 2027 (Demonstration Year 17) Projected Results	27,331	163,988	\$48.86	\$8,012,270	1,968	\$24,574.62	\$48,359,332	\$40,347,062	7,022	28,090	\$186.43	\$5,236,818.47	177	\$24,574.62	67	\$24,574.62	\$5,996,207.24	\$759,388.76	\$41,106,450.90
CY 2028 (Demonstration Year 18) Projected Results	27,331	163,988	\$52.47	\$8,605,178	1,968	\$25,803.35	\$50,777,299	\$42,172,121	7,423	29,691	\$186.43	\$5,535,317.13	176	\$25,803.35	67	\$25,803.35	\$6,270,214.25	\$734,897.12	\$42,907,017.89
Total Projected Results	432,240	2,593,441	\$34.96	\$90,666,100	31,121	\$20,520.12	\$602,644,680	\$511,978,580	62,626	250,502	\$186.33	\$46,677,221	2,156	\$20,520.12	815	\$20,520.12	\$60,144,149.40	\$13,466,928.41	\$525,445,508.33

Description of the Trend Assumptions in the Family Planning Savings Calculation
CY 2018 – CY 2028

- **Family Planning Members Assumptions**
 - **CY 2018 through CY 2028: Average of 6 Months of Membership.** On average, a family planning member is enrolled in the program for 6 months. Therefore, to calculate the projected number of members in CY 2018 through CY 2028, the family planning member months for the corresponding year were divided by 6.
- **Family Planning Member Months Assumptions**
 - **CY 2018: Large Growth Due to the Implementation of Auto-enrollment.** In 2017, the State of Georgia implemented a new Integrated Eligibility System (IES). The new IES auto-enrolls family planning members. As a result of auto-enrollment, family planning enrollment has more than tripled when you compare May 2018 to May 2017. Therefore, the projection assumes that the Family Planning Member Months in CY 2018 will be 300% the number of member months in CY 2017.
 - **CY 2019: Continued Auto-enrollment, but Slowed Growth.** In previous periods in which the program experienced auto-enrollment (CY 2012 through CY 2013), it was observed that after the initial jump in membership, year over year growth in the program decreased over time. For this reason, it was assumed that in CY 2019, growth will slow, mimicking the growth from CY 2012 to CY 2013 (22.7%).
 - **CY 2020 through CY 2022: End of Auto-enrollment.** Upon CMS approval, the Department of Community Health expects to end auto-enrollment of family planning members. The projection assumes that auto-enrollment will end in CY 2020. When auto-enrollment was ended previously (CY 2014), it resulted in a large decrease in the number of member months over the course of several years. The projection assumes that the same enrollment pattern will be experienced in CY 2020 through CY 2022. The projection assumes -53.4% growth in CY 2020, -30.2% growth in CY 2021, and -9.1% growth in CY 2022.
 - **CY 2023 through CY 2028: Stable Membership.** The projection assumes that the number of family planning member months will remain stable after auto-enrollment with 0% growth each year in CY 2023 through CY 2028.
- **Family Planning Per Member Per Month Cost Assumptions**
 - **CY 2018 through CY 2019: Known Capitated Rates, Pending CMS Approval.** The State of Georgia's actuaries have calculated the capitated rates for the family planning program through SFY 2019 (ending June 30, 2019). The projection assumes that CMS will approve these rates and they will be implemented as calculated.
 - **CY 2020 through CY 2028: Continued Expected Increase in Costs.** The State of Georgia's actuaries observed a trend of an annual increase in the cost of services of 7.4% in setting the SFY 2019 family planning rate. The projection assumes this trend will continue in CY 2020 through CY 2028.
- **Projected Number of Averted Births Assumptions**
 - **CY 2018 through CY 2028: Continued Expected Rate of Averted Births.** From CY 2013 through CY 2017, the average number of averted births was 7.2% of Family Planning Members. The projection assumes that this trend will carry forward.

- **Average Capitated Cost of an Infant through its First Year of Life Assumptions**
 - ***CY 2018 through CY 2019: Known Capitated Rates, Pending CMS Approval.*** The State of Georgia's actuaries have calculated the capitated rates for the Georgia Families program through SFY 2019 (ending June 30, 2019). The projection assumes that CMS will approve these rates and they will be implemented as calculated.
 - ***CY 2020 through CY 2028: Continued Expected Increase in Costs.*** The average projected annual increase from CY 2016 through CY 2019 is 5.00%. The projection assumes a 5% annual increase in the average capitation rate CY 2020 through CY 2028.

Description of the Trend Assumptions in the Interpregnancy Care and Resource Mother Savings Calculation
CY 2018 – CY 2028

- **Interpregnancy Care and Resource Mother Members Assumptions**
 - ***CY 2018 through CY 2028: Average of 4 Months of Membership.*** On average, an interpregnancy care and resource mother member is enrolled in the program for 4 months. Therefore, to calculate the projected number of members in CY 2018 through CY 2028, the interpregnancy care and resource mother member months were divided by 4.
- **Interpregnancy Care and Resource Mother Member Months Assumptions**
 - ***CY 2018 through 2028: Large Growth Due to the Implementation of Auto-enrollment.*** In 2017, the State of Georgia implemented a new Integrated Eligibility System (IES). The new IES auto-enrolls interpregnancy care and resource mother members. Auto-enrollment of interpregnancy care and resource mother members is expected to continue indefinitely. In CY 2018, growth is projected to slow from CY 2017's observed growth to a growth rate of 22.7%, as seen in the family planning program after a few years of auto-enrollment. In CY 2019, growth is projected to slow further to 11.3%. In CY 2020 through CY 2028, growth is projected to be 5.7% per year.
- **Average Interpregnancy Care and Resource Mother Per Member Per Month Cost Assumptions**
 - ***CY 2018 through CY 2019: Known Capitated Rates, Pending CMS Approval.*** The State of Georgia's actuaries have calculated the capitated rates for the interpregnancy care and resource mother program through SFY 2019 (ending June 30, 2019). The projection assumes that CMS will approve these rates and they will be implemented as calculated.
 - ***CY 2020 through CY 2028: Stable Rates.*** Recent data indicates that costs are increasing in the program, and therefore, capitation rates are increasing. However, auto-enrollment has historically led to a large number of members that do not utilize the services, and, therefore, results in a decrease in the capitation rates. The projection assumes that these forces will cancel out and the capitation rates will remain stable.
- **Projected Number of Averted Low Birth Weight (LBW) Births Assumptions**
 - ***CY 2018 through CY 2028: Growth Due to Auto-enrollment.*** From CY 2012 through CY 2016, the projected number of averted low birth weight (LBW) births declined due to a declining percentage of eligible women participating in the program. However, starting in 2017, the State of Georgia's new Integrated Eligibility System (IES) began auto-enrolling members, leading to a substantial increase in the percentage of eligible women enrolled in the program. For this reason, it was assumed that the projected number of averted LBW births will substantially increase in CY 2017 and track the projected percentage of eligible women enrolled through CY 2028.
- **Average Capitated Cost of a LBW Infant through its First Year of Life Assumptions**
 - ***CY 2018 through CY 2019: Known Capitated Rates, Pending CMS Approval.*** The State of Georgia's actuaries have calculated the capitated rates for the Georgia Families program through SFY 2019 (ending June 30, 2019). The projection assumes that CMS will approve these rates and they will be implemented as calculated.

- ***CY 2020 through CY 2028: Continued Expected Increase in Costs.*** The average projected annual increase from CY 2016 through CY 2019 is 5.00%. The projection assumes a 5% annual increase in the average capitation rate CY 2020 through CY 2028.
- **Projected Number of Averted Very Low Birth Weight (VLBW) Births**
 - ***CY 2018 through CY 2028: Growth Due to Auto-enrollment.*** From CY 2012 through CY 2016, the projected number of averted very low birth weight (VLBW) births declined due to a declining percentage of eligible women participating in the program. However, starting in 2017, the State of Georgia's new Integrated Eligibility System (IES) began auto-enrolling members, leading to a substantial increase in the percentage of eligible women enrolled in the program. For this reason, the projection assumes that the projected number of averted VLBW births will substantially increase in CY 2017 and track the projected percentage of eligible women enrolled through CY 2028.
- **Average Capitated Cost of a VLBW Infant through its First Year of Life Assumptions**
 - ***CY 2018 through CY 2019: Known Capitated Rates, Pending CMS Approval.*** The State of Georgia's actuaries have calculated the capitated rates for the Georgia Families program through SFY 2019 (ending June 30, 2019). The projection assumes that CMS will approve these rates and they will be implemented as calculated.
 - ***CY 2020 through CY 2028: Continued Expected Increase in Costs.*** The average projected annual increase from CY 2016 through CY 2019 is 5.00%. The projection assumes a 5% annual increase in the average capitation rate CY 2020 through CY 2028.