Maryland PRAMS Report 2016 Births

Pregnancy Risk Assessment Monitoring System



Maryland Department of Health

Maternal and Child Health Bureau Vital Statistics Administration



Pregnancy Risk Assessment Monitoring System

www.marylandprams.org

Larry Hogan, Governor -Boyd K. Rutherford, Lt. Governor -Robert R. Neall, Secretary



Maryland PRAMS Report

2016 Births

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The Maryland PRAMS Report is also available at www.marylandprams.org

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INTRODUCTION

This report highlights data from births occurring to Maryland residents in 2016 collected through the Pregnancy Risk Assessment Monitoring System (PRAMS). PRAMS is a surveillance system established by the Centers for Disease Control and Prevention (CDC) in 1987 to obtain information about maternal behaviors and experiences that may be associated with adverse pregnancy outcomes. Data are collected by surveying women who have recently delivered live born infants.

PRAMS projects are conducted through cooperative agreements between the CDC and state health departments. PRAMS projects for 2016 births were underway in 40 states and New York City, representing 78% of all U.S. live births. All surveys include a core set of standardized questions, which allows for multi-state analyses. In addition, each state can add questions tailored to meet its needs. The core section of the survey includes questions relating to prenatal care, obstetric history, smoking, alcohol use, physical abuse, contraception, economic status, maternal stress, and infant health. The Maryland-specific section of the survey includes questions on maternal employment, assisted reproduction, pre-pregnancy health, co-sleeping, contraceptive use, depression, oral health, chronic disease, physical activity, infections, and labor induction.

The PRAMS project in Maryland is a collaborative effort of the Maternal and Child Health Bureau (MCHB), the Vital Statistics Administration (VSA) of the Maryland Department of Health (MDH), and the CDC. Maryland began collecting PRAMS data from mothers who delivered in 2000.

METHODOLOGY

Sampling and Data Collection

Women eligible to participate in PRAMS are selected from Maryland's live birth certificate files and need to be Maryland residents who have delivered in the state. Each month, a stratified, random sample of approximately 200 live births is selected. The sample is stratified by infant birth weight (<2500 grams, ≥2500 grams). This sampling frame over-samples mothers who have delivered a low birth weight infant (<2500 grams).

PRAMS combines two modes of data collection; a survey conducted by mailed questionnaire with multiple follow-up attempts, and if mail is not successful, a survey conducted by telephone interview. Survey questionnaires and other materials are available in both English and Spanish.

The first mailing, which is done two to four months after delivery, is a letter that introduces PRAMS to the mother and informs her that a questionnaire will soon arrive. Within seven days of this letter, the questionnaire packet is mailed. This packet includes the 84-item main survey along with an informed consent page, calendar, and resource brochure. In addition, a manicure file is sent as an incentive for completing the survey. Seven to 10 days after the

initial packet is mailed, a tickler that serves as a thank you and reminder note is sent. Mothers who do not respond to the tickler within seven to 14 days are mailed a second questionnaire packet. A third questionnaire packet is mailed to all remaining nonrespondents seven to 14 days later. Telephone follow-up is initiated for all nonrespondents.

Data collected through PRAMS are linked to birth certificate data, which allows for the survey data to be weighted to reflect the total birth population. Sampling, nonresponse, and noncoverage adjustment factors are applied to the data in order to make the results generalizable to the state's population of women delivering live born infants during the study period. Further information on PRAMS methodology, including weighting procedures, may be found on the CDC website at http://www.cdc.gov/prams/methodology.htm.

Survey Response and Data Analysis

The CDC recommends that states obtain a response rate of at least 55% for analysis of PRAMS 2016 births data. The weighted response rate among women delivering in Maryland between January 1, 2016 and December 31, 2016 was 62%. During this 12-month period, 1,167 mothers completed the PRAMS questionnaire with a weighted response reflecting 65,852 mothers. The weighted figure included 28,302 births to white non-Hispanic, 19,965 births to black non-Hispanic, 4,800 births to Asian, 10,420 births to Hispanic women, 92 births to American Indian, 2,123 Other/Mixed, and 150 Missing race/ethnicity. Survey findings in this report are shown by race/Hispanic origin (White Non-Hispanic, Black Non-Hispanic, Asian Non-Hispanic, and Hispanic), maternal age and maternal years of education.

ACKNOWLEDGMENTS

The Maryland PRAMS Project would like to acknowledge the CDC PRAMS Team for their technical assistance and support, especially Denise D'Angelo, MPH, our project manager who has expertly guided and assisted our program since 2002. Additionally, our thanks go to the Maryland PRAMS Steering Committee for their invaluable input to many aspects of our project.

Most importantly, we very much appreciate the 1,167 mothers who took the time to complete the questionnaires that are represented in this report. Their answers will contribute greatly towards our continuing efforts to improve the health of Maryland mothers and babies.

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(January 2016)

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Maryland PRAMS Highlights--2016

Preconception factors

- Forty-one percent of all live births were **unintended** (includes women who said they were 'not sure' how they felt about the pregnancy).
- Twenty-three percent of women reported they were covered by Medicaid or Health Choice just before pregnancy and 14% were uninsured.
- According to their body mass index (BMI) just before pregnancy, 30% of mothers were overweight and 19% were obese.
- Thirty-five percent of women reported taking a multivitamin daily in the month before conception.
- Before pregnancy, 16% of women reported they had anxiety and 10% had depression.
- During the 3 months just before pregnancy, 13% of women smoked, 55% consumed alcohol, and 18% had at least one episode of binge drinking.
- In the 12 months before pregnancy, 37% of women had not had a **dental cleaning**.
- Sixty-six percent of mothers reported they had a health care visit with a doctor, nurse or other health care worker.

Prenatal factors

- Eighty-four percent of mothers began prenatal care during the first trimester of pregnancy, and 2% began in the third trimester or received no care.
- Sixty-six percent of mothers reported that **HIV testing** was discussed during prenatal care visits; 39% reported getting an HIV test prenatally and 61% reported getting the test during pregnancy or delivery.
- Eight percent of women had gestational diabetes.

- Physical abuse by a current husband/partner or ex-husband/partner during the 12 months before pregnancy was reported by 3% of mothers
- Six percent of women smoked during the last three months of pregnancy. Nine percent of women reported using alcohol and 1% of women reported a binge-drinking episode during the last three months of pregnancy.
- Fifty-nine percent of women were vaccinated for seasonal flu during the 12 months before delivery or during pregnancy.
- Thirty-four percent of women used Medicaid or Health Choice for their prenatal care and 4% were uninsured.
- During pregnancy, 68% of women worked at a job for pay.
- Of the women who worked, sixty-six percent of them felt that the amount of time they were able to take off after the birth of their new baby was too little.

Infant health and related factors

- Eighty-eight percent of infants were breastfed after delivery, and 72% were breastfed eight weeks or longer.
- In terms of **sleeping environment**, 80% of infants were usually placed on their backs to sleep and 57% always slept alone in their own crib or bed in the past 2 weeks.

Maternal postpartum factors

- Twenty-five percent of mothers reported they were not using **postpartum contraception**.
- Eight percent of mothers smoked postpartum.
- Six percent of mothers reported feeling down, depressed or hopeless always or often since their new baby was born.

MARYLAND PRAMS 2012-2016 SURVEILLANCE AND SELECTED HEALTHY PEOPLE 2020 OBJECTIVES

Healthy People 2020 Objective	Maryland PRAMS 2012 Births*	Maryland PRAMS 2013 Births	Maryland PRAMS 2014 Births	Maryland PRAMS 2015 Births	Maryland PRAMS 2016 Births	Healthy People 2020 Target
Preconception						
Increase the proportion of pregnancies that are intended.**	58%	59%	55%	59%	59%	56.0%
Increase the proportion of women who took multivitamins/folic acid daily prior to pregnancy.	37%	34%	34%	35%	35%	33.1%
Increase the proportion of women who did not smoke during the three months prior to pregnancy.	82%	84%	85%	86%	87%	85.4%
Increase the proportion of women who did not drink alcohol during the three months prior to pregnancy.	48%	50%	49%	49%	45%	56.4%
Increase the proportion of women who had a healthy weight (BMI 18.5-24.9) prior to pregnancy.	49%	48%	50%	47%	46%	53.4%
Prenatal						
Increase the proportion of pregnant women who receive prenatal care beginning in the first trimester of pregnancy.***	80%	83%	82%	81%	84%	77.9%
Increase abstinence from cigarette smoking among pregnant women.	93%	92%	94%	94%	94%	98.6%
Increase abstinence from alcohol among pregnant women.	91%	92%	91%	90%	91%	98.3%
Increase abstinence from binge drinking**** among pregnant women.	<100%	99.5%	99%	99.5%	99%	100.0%
Postpartum						
Increase the proportion of infants who are put to sleep on their backs.	77%	77%	80%	79%	80%	75.9%
Increase the proportion of infants who were breastfed (ever).	86%	88%	89%	87%	88%	81.9%

^{*}Includes data from May 1, 2012 – December 31, 2012 (8 months)

^{**}PRAMS data includes only information on pregnancies that end in live birth; In 2012, option "I wasn't sure what I wanted" was not considered intended;

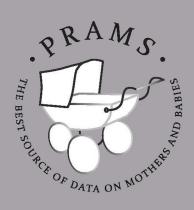
^{***}First trimester defined by PRAMS as <13weeks

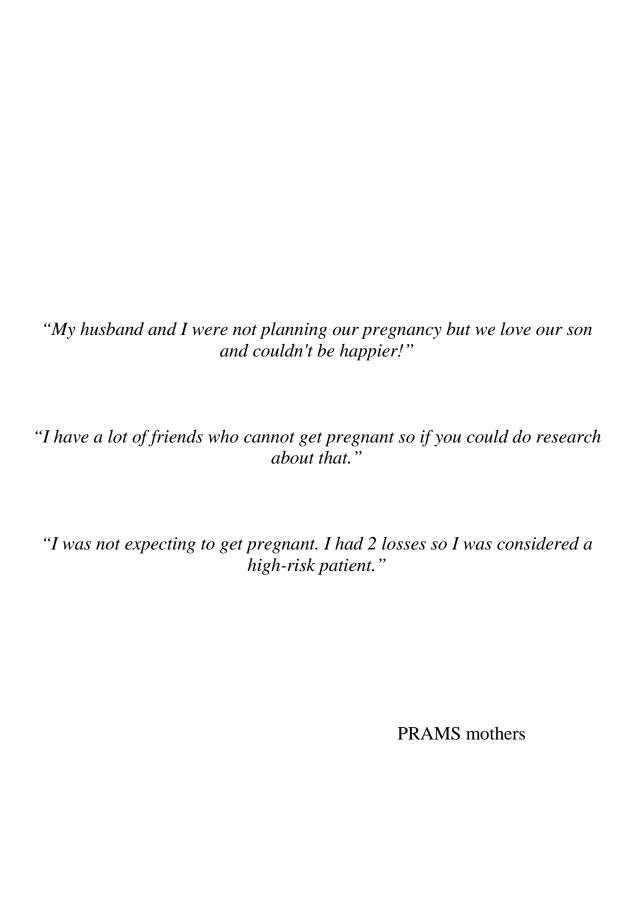
^{****}Binge drinking = 4 or more drinks in a two hour sitting, starting 2009 births. Prior to 2009, binge drinking = 5 or more drinks in one episode.

Preconception Factors





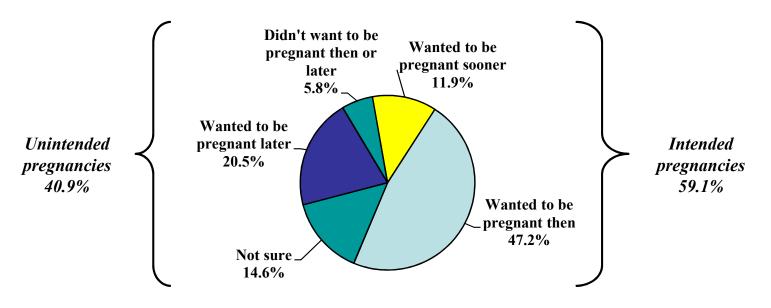




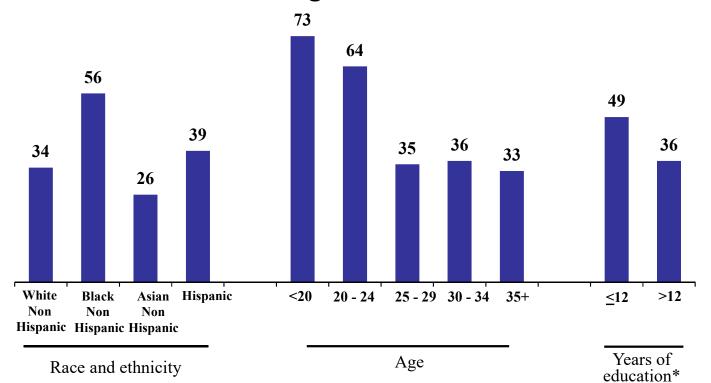
INTENDEDNESS OF PREGNANCY

Question 15: Thinking back to *just before* you got pregnant with your *new* baby, how did you feel about becoming pregnant?

Distribution of Mothers by Intendedness of Pregnancy



Percentage of Mothers With Unintended Pregnancies

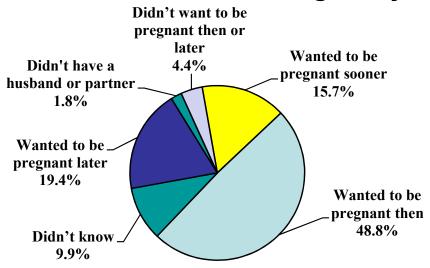


^{*}Includes only mothers ages 20 and above.

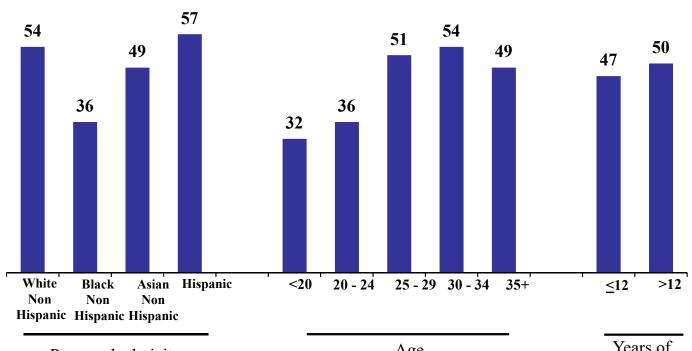
HUSBAND/PARTNER THOUGHTS ON PREGNANCY INTENTION

Question 63: Thinking back to just before you got pregnant with your new baby, how did your husband or partner feel about your becoming pregnant?

Distribution of Husbands/Partners by Intendedness of Pregnancy



Percentage of Husbands/Partners Who Wanted Mom Pregnant Then



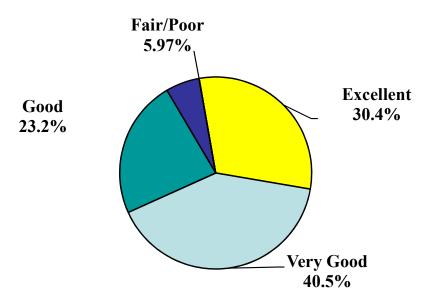
Race and ethnicity

Age

Years of education*

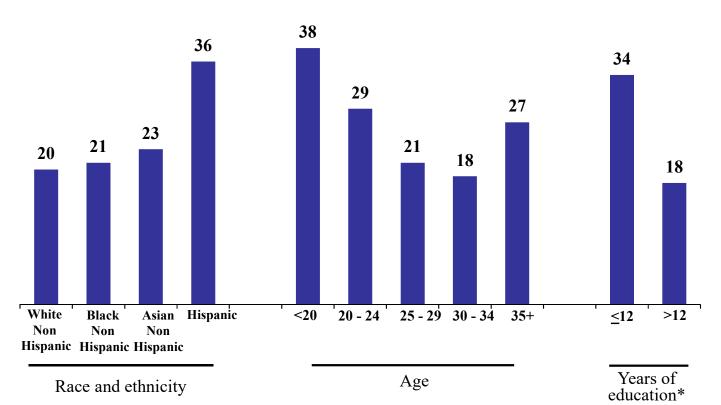
GENERAL HEALTH BEFORE PREGNANCY

Question 6: *Before* you got pregnant, would you say that, in general, your health was-Excellent, Very Good, Good, Fair, or Poor *



* Mothers reporting "Poor" was less than 1%

Percentage of Mothers Who Reported Having *Good* Health Before Pregnancy



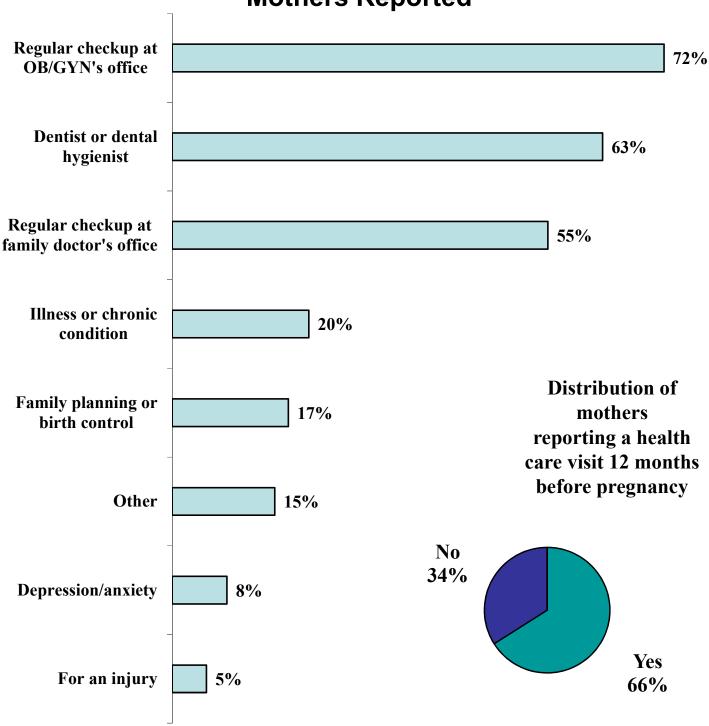
*Includes only mothers ages 20 and above.

HEALTH CARE VISITS

Question 9: In the 12 *months before* you got pregnant with your new baby, did you have any health care visits with a doctor, nurse, or other health care worker, including a dental or mental health worker?

Question 10: What type of health care visit did you have in the *12 months* before you got pregnant with your new baby?

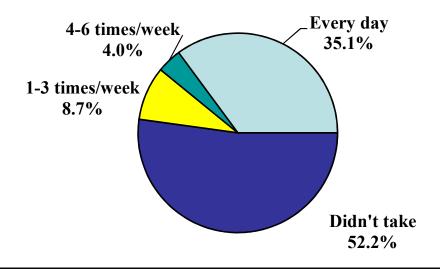
Percentage and Types of Health Care Visits Mothers Reported



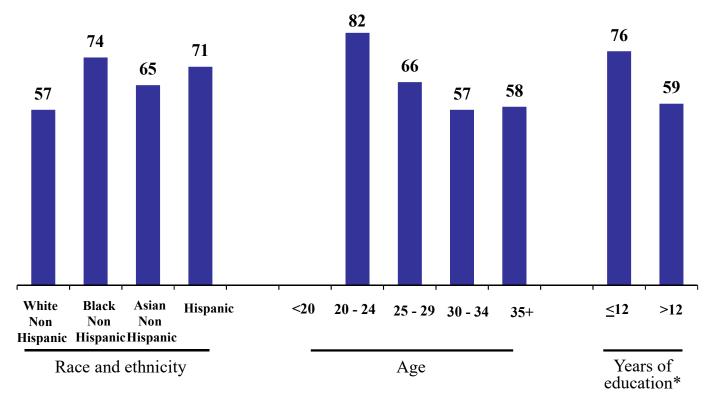
MULTIVITAMIN USE

Question 8: During the *month before* you got pregnant with your new baby, how many times a week did you take a multivitamin, a prenatal vitamin, or a folic acid vitamin?

Distribution of Mothers by Frequency of Multivitamin Use in the Month Before Pregnancy



Percentage of Mothers Who Reported Less Than Daily Multivitamin Use in the Month Before Pregnancy



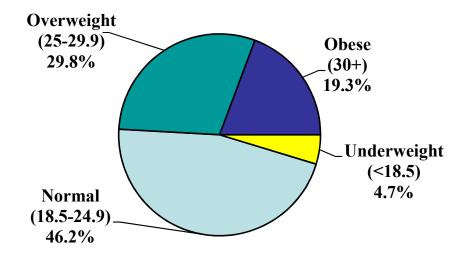
^{*}Includes only mothers ages 20 and above.

Note: Percentages are not reported if the number of respondents was less than five.

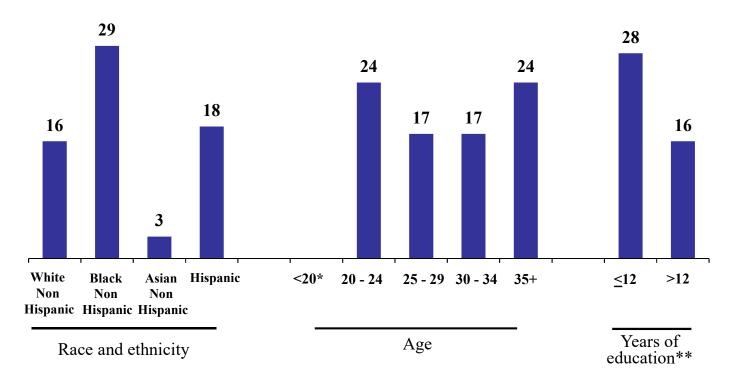
PRE-PREGNANCY BMI

Question 1: How tall are you without shoes? Question 2: *Just before* you got pregnant with your new baby, how much did you weigh?

Distribution of Mothers by BMI Status Before Pregnancy



Percentage of Mothers Who Were Classified as Obese Before Pregnancy

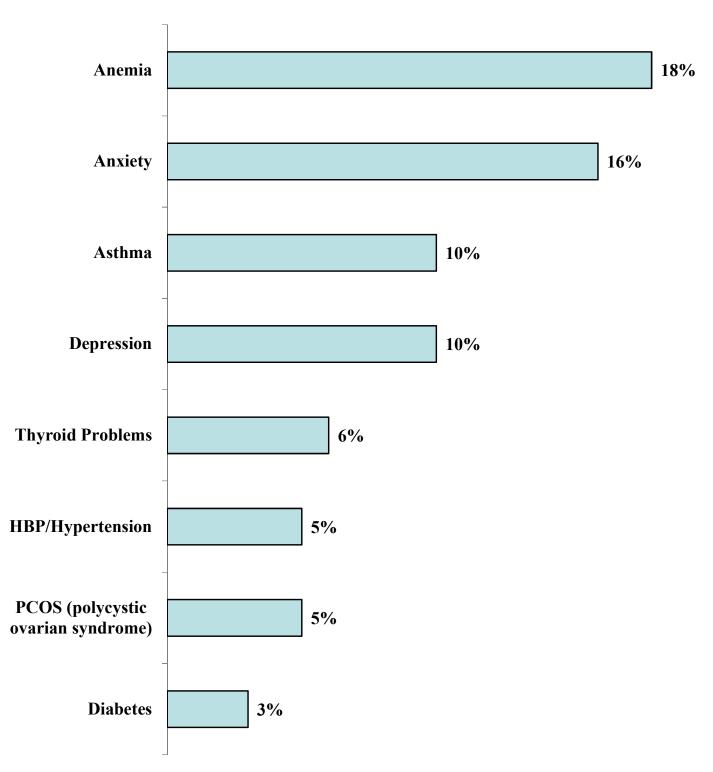


^{*} Mothers <20 years of age had BMI >30 (and were not classified as obese via childhood growth charts) Note: Percentages are not reported if the number of respondents was less than five.

PRE-PREGNANCY HEALTH PROBLEMS

Question 7: During the *3 months before* you got pregnant with your new baby, did you have any of the following health conditions?

Mothers Reporting Health Problems Before Pregnancy

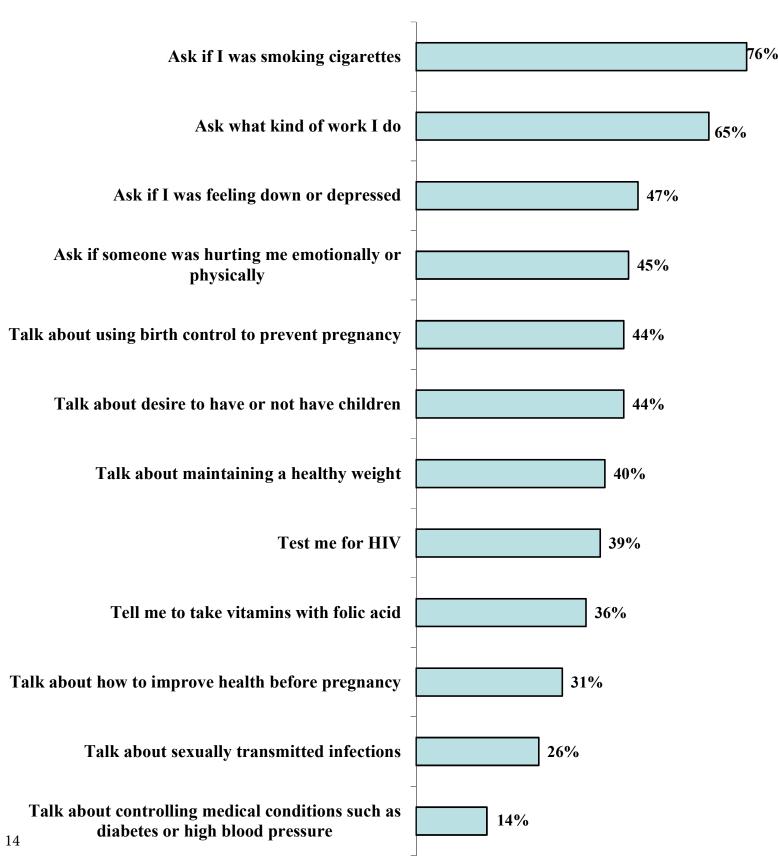


HEALTH CARE VISIT

Question 11: During any of your health care visits in the *12 months* before you got pregnant, did a doctor, nurse, or health care worker <u>do</u> any of the following things?

For each item, check No if they did not or Yes if they did.

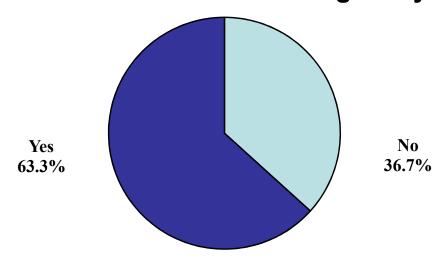
Mothers Reporting Actions During Health Care Visit



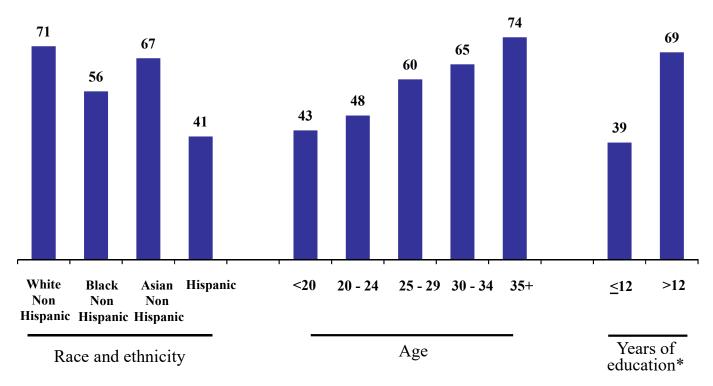
ORAL HEALTH

Question 10: What type of health care visit did you have in the *12 months before* you got pregnant with your new baby?

Mothers Reporting on Teeth Cleaning 12 Months Before Pregnancy



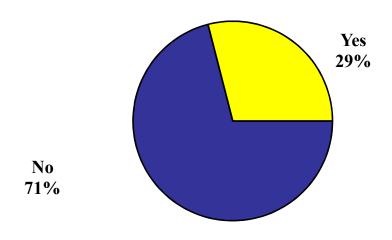
Percentage of Mothers Who Reported Having Had their Teeth Cleaned 12 Months Before Pregnancy



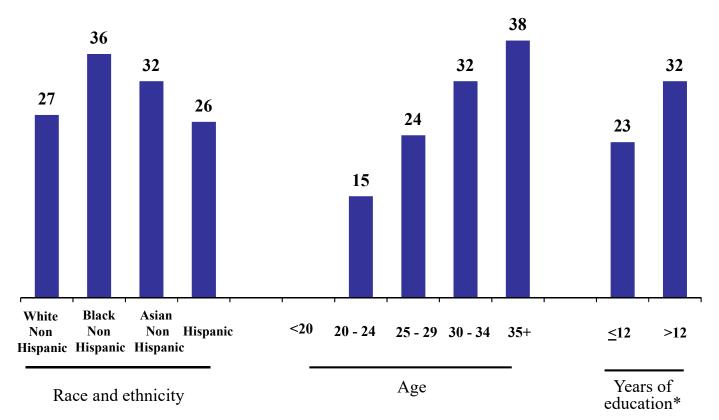
PRIOR CESAREAN DELIVERY

Question 5: *Before* you had your new baby, did you ever have a baby by cesarean delivery or c-section (when a doctor cuts through the mother's belly to bring out the baby)?

Distribution of Mothers Having a Cesarean Delivery



Percentage of Mothers Who Reported Having a Cesarean Delivery



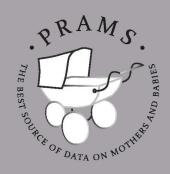
^{*}Includes only mothers ages 20 and above.

Note: Percentages are not reported if the number of respondents was less than five.

Prenatal Factors





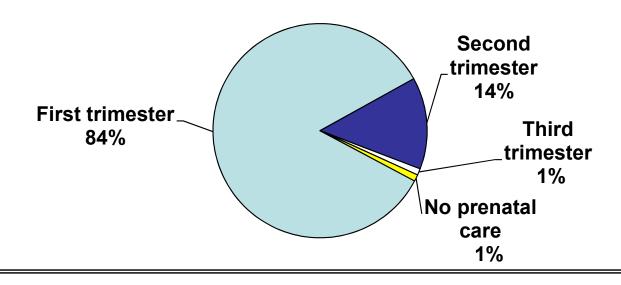


"Even though I was healthy during my pregnancy, I exercised less with this pregnancy and I was induced this time around."
"I didn't take prenatal vitamins. I don't think they are really helpful. I tried them and they got me sick so I don't think we need them."
"I would like them to give me more information about pregnancy and more booklets about health and exercise during your pregnancy. I really needed someone to give me advice."
PRAMS mothers

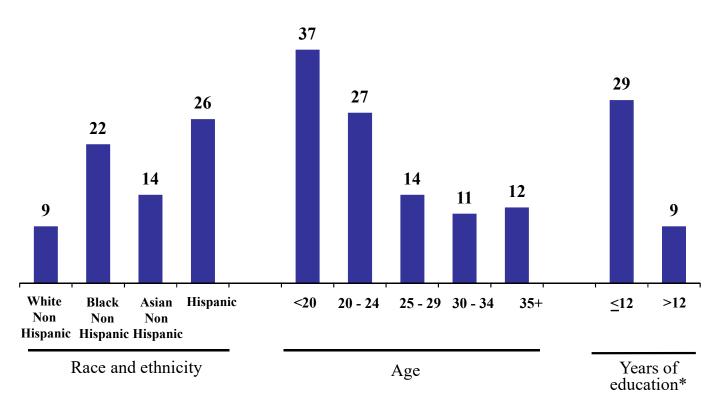
TRIMESTER PRENATAL CARE BEGAN

Question 16: How many weeks or months pregnant were you when you had your first visit for prenatal care?

Distribution of Mothers by Trimester Prenatal Care Began



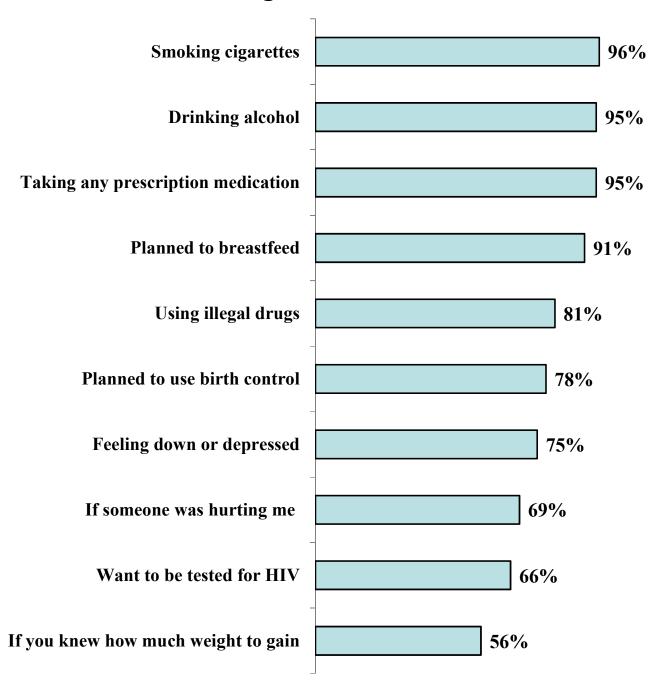
Percentage of Mothers Who Did Not Begin Prenatal Care During the First Trimester of Pregnancy



TOPICS DISCUSSED DURING PRENATAL CARE VISITS

Question 17: *During any of your prenatal care visits*, did a doctor, nurse, or other healthcare worker ask you any of the things listed below?

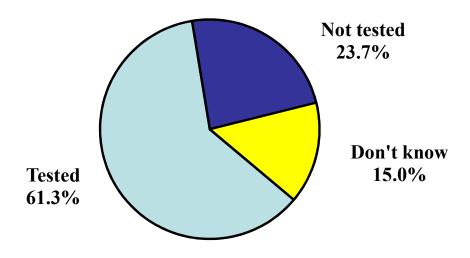
Mothers Reporting That Selected Topics Were Asked During Prenatal Care Visits



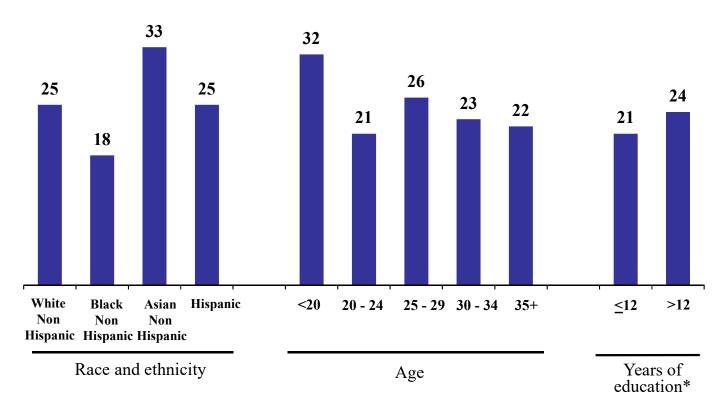
HIV TESTING

Question 18: At any time during *your most recent* pregnancy or delivery, did you have a test for HIV (the virus that causes AIDS)?

Distribution of Mothers by HIV Testing Status



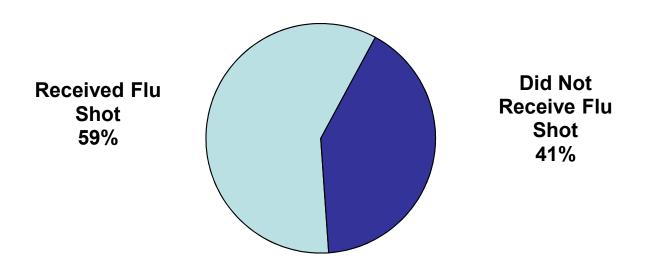
Percentage of Mothers Who Reported They Did Not Have an HIV Test During Pregnancy or Delivery



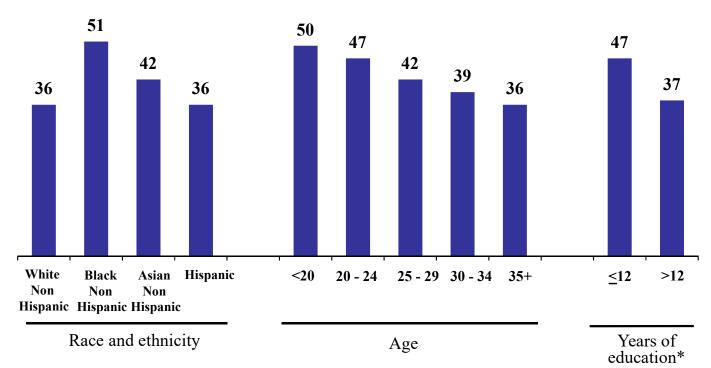
INFLUENZA IMMUNIZATIONS

Question 20: During the 12 months before the delivery of your new baby, did you get a flu shot?

Distribution of Mothers by Flu Immunization Status One Year Before Delivery



Percentage of Mothers Who Reported They Did Not Get a Flu Shot One Year Before Delivery

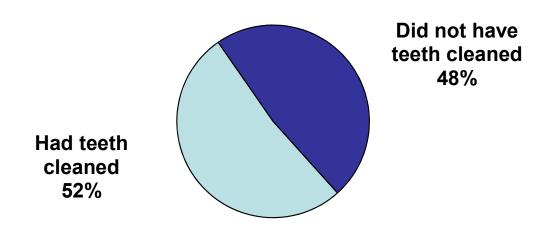


*Includes only mothers ages 20 and above.

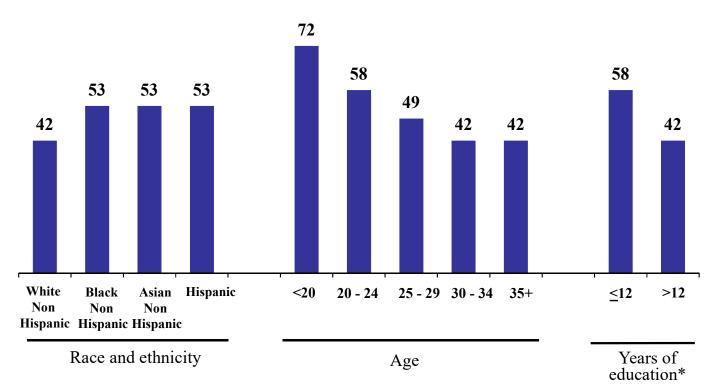
TEETH CLEANING

Question 21: During your most recent pregnancy, did you have your teeth cleaned by a dentist or dental hygienist?

Distribution of Mothers by Teeth Cleaning During Pregnancy



Percentage of Mothers Who Did Not Have Their Teeth Cleaned During Pregnancy

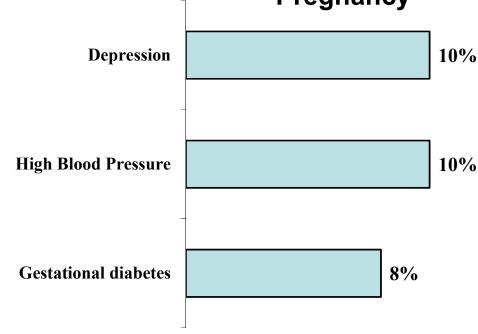


*Includes only mothers ages 20 and above.

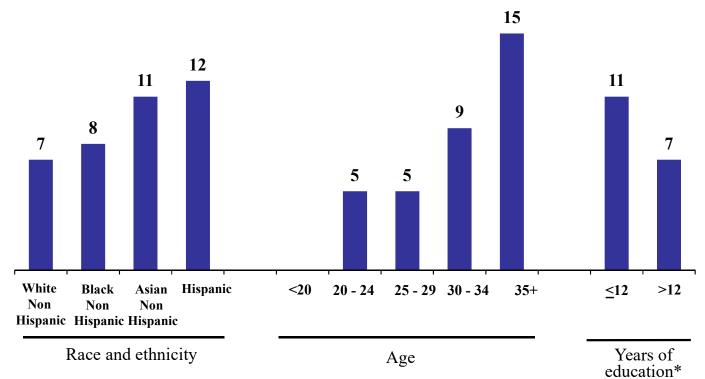
HEALTH CONDITIONS

Question 22: During *your most recent* pregnancy, did you have any of the following health conditions? For each one, check **No** if you did not have the condition or **Yes** if you did.

Mothers Reporting Health Problems During Pregnancy



Percentage of Mothers Who Had Gestational Diabetes



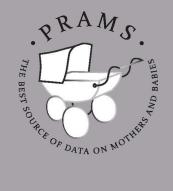
*Includes only mothers ages 20 and above

Note: Percentages are not reported if the number of respondents was less than five.

Health Care Coverage, WIC, Home Visiting, and Employment





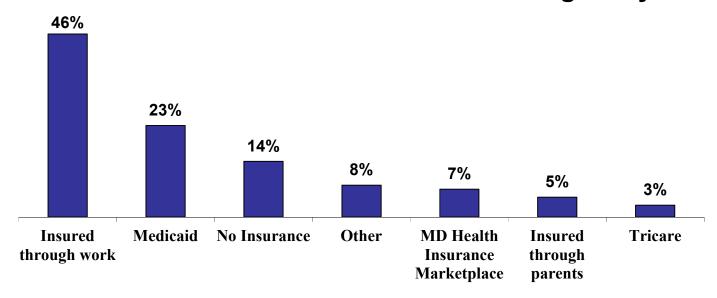


"I love living in Maryland and the one thing I would love for all mothers is paid leave so we can have quality time with our children, especially new moms."
"I really liked the hospital I chose. They did a really good job. I liked their WIC program. They were very helpful."
"I could benefit from some medication but I have no insurance."
PRAMS mothers

HEALTH INSURANCE BEFORE PREGNANCY

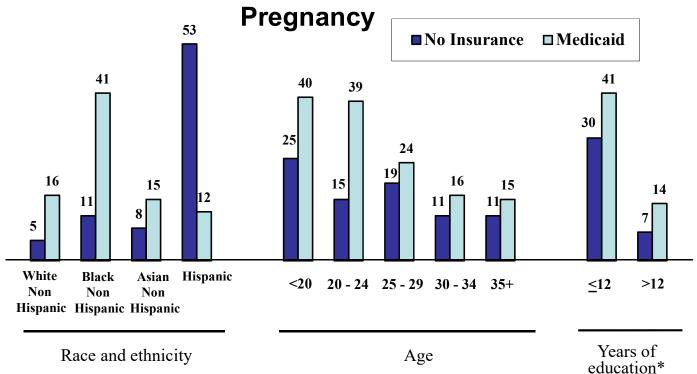
Question 12: During the *month before* you got pregnant with your new baby, what kind of health insurance did you have?

Health Insurance Status Just Before Pregnancy**



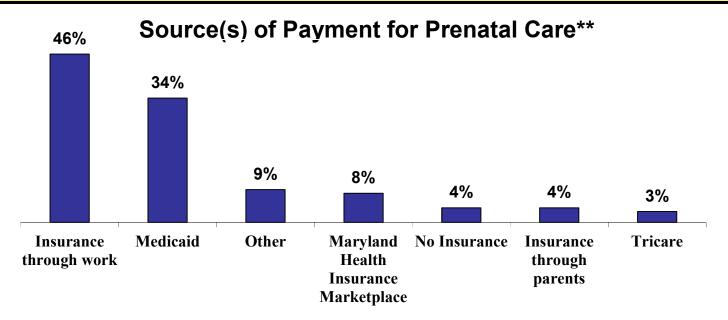
** Respondents were instructed to identify all sources of payment, therefore percentages do not sum to 100.

Percentage of Mothers Who Reported Having Medicaid or No Health Insurance Just Before



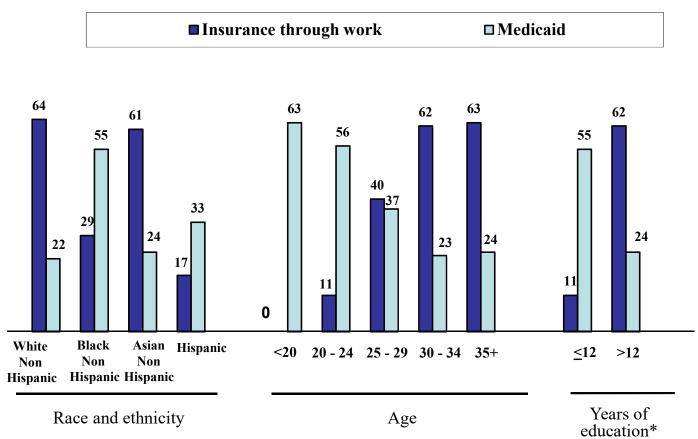
SOURCE OF PAYMENT FOR PRENATAL CARE

Question 13: During *your most recent* pregnancy, what kind of health insurance did you have to pay for your prenatal care?



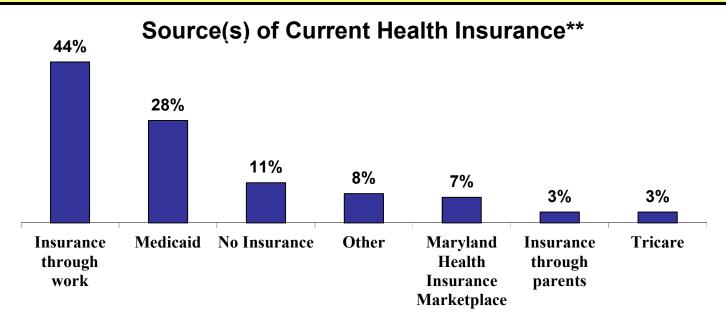
^{**} Respondents were instructed to identify all sources of payment, therefore percentages do not sum to 100.

Percentage of Mothers Who Identified Insurance or Medicaid as a Source of Payment for Prenatal Care



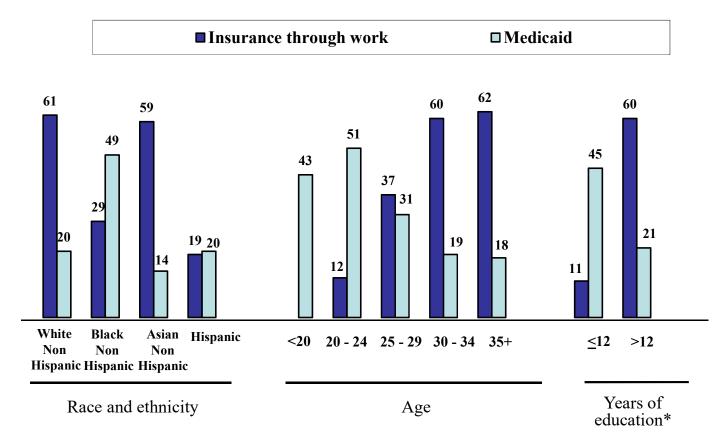
CURRENT HEALTH INSURANCE

Question 14: What kind of health insurance do you have <u>now</u>?



** Respondents were instructed to identify all sources of payment, therefore percentages do not sum to 100.

Percentage of Mothers Who Identified as Currently Having Insurance or Medicaid

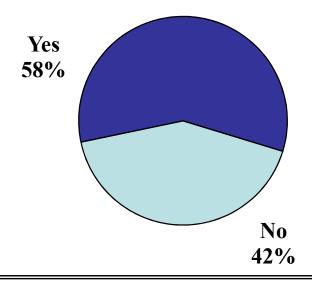


^{*}Includes only mothers ages 20 and above.

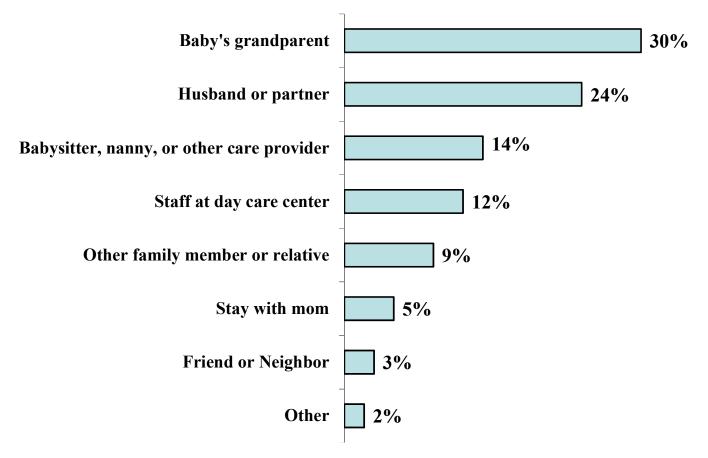
CHILD CARE DURING WORK OR SCHOOL

Question 65: Are you currently in school or working? Question 66: Which one of the following people spends the most time taking care of your new baby when you are at school or work?

Distribution of Mothers Who go to Work or School Outside the Home or from Home



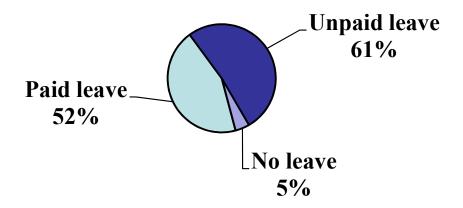
People Who Spend the Most Time with Baby While Momis at Work or School



WORKPLACE LEAVE

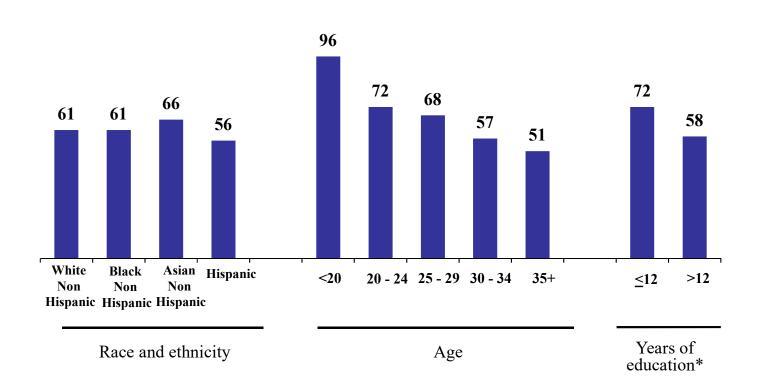
Question 70: Did you take leave from work after your new baby was born?

Distribution of Mothers Who Took Paid or Unpaid Leave After The Baby Was Born



** Respondents were instructed to check ALL that apply, therefore percentages do not sum to 100.

Percentage of Mothers Who Took Unpaid Leave After the Baby Was Born



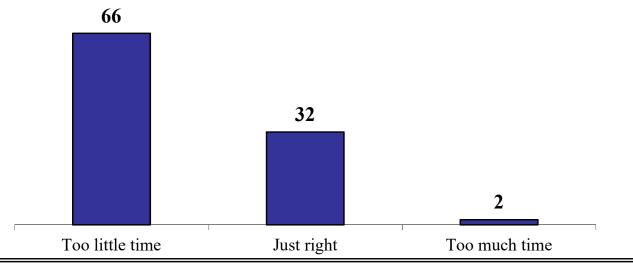
^{*}Includes only mothers ages 20 and above.

FACTORS AFFECTING LEAVE TIME

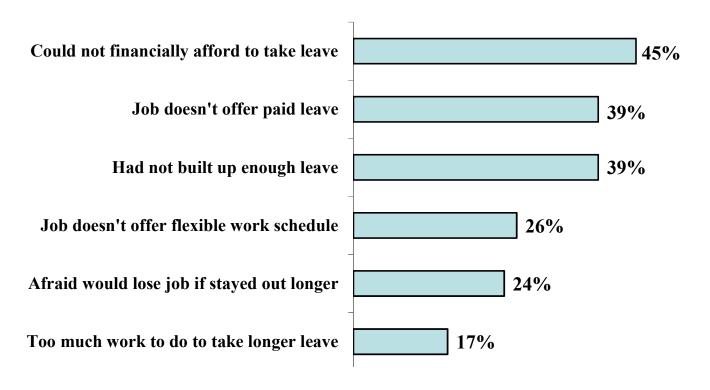
Question 72: How did you feel about the amount of time you were able to take off *after* the birth of your new baby?

Question 73: Did any of the things listed below affect your decision about taking leave from work *after* your new baby was born?

Distribution of How Mothers Felt About The Amount of Time Taken Off



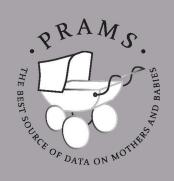
Factors Affecting Decision to Take Leave



Selected Risk Factors





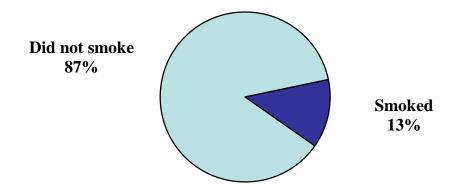


"Breastfeeding is very good and it is great for bonding with your baby."
"Postpartum depression needs to be better addressed and employers more aware."
"I was very unhappy during my pregnancy. My child's father was physically and mentally abusive. I lost a tremendous amount of weight midway but gained more right around the time that I gave birth."
PRAMS mothers

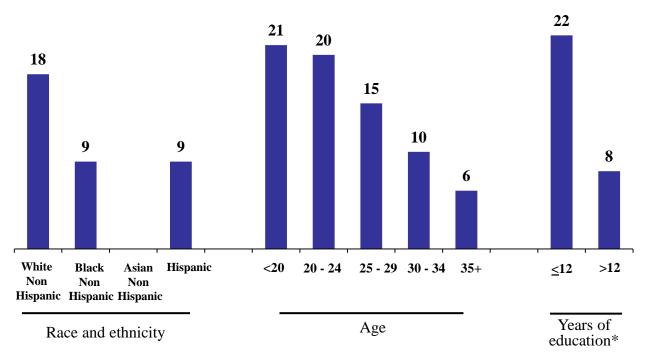
SMOKING BEFORE PREGNANCY

Question 24: In the *three months <u>before</u>* you got pregnant, how many cigarettes did you smoke on an average day?

Distribution of Mothers by Smoking Status During the Three Month Period Before Pregnancy Began



Percentage of Mothers Who Reported They Smoked During the Three Month Period Before Pregnancy Began

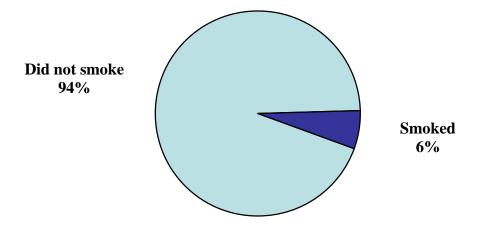


*Includes only mothers ages 20 and above.

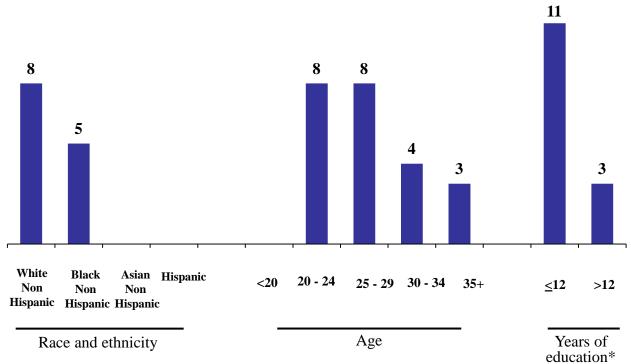
SMOKING DURING PREGNANCY

Question 25: In the <u>last</u> 3 months of your pregnancy, how many cigarettes did you smoke on an average day?

Distribution of Mothers by Smoking Status During the Last Three Months of Pregnancy



Percentage of Mothers Who Reported They Smoked During the Last Three Months of Pregnancy

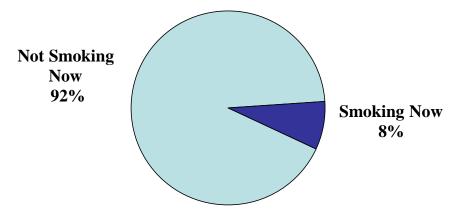


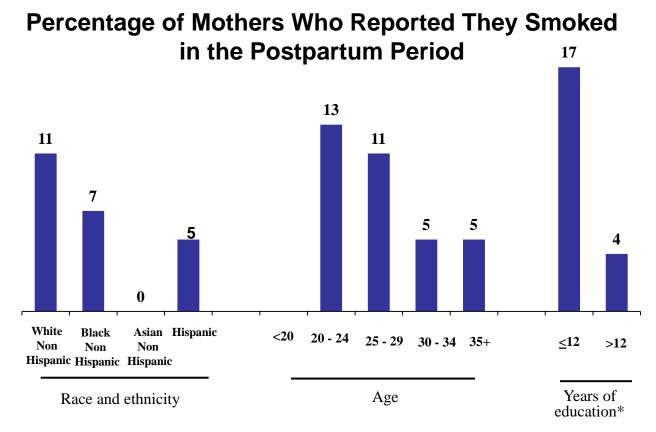
^{*}Includes only mothers ages 20 and above.

SMOKING AFTER PREGNANCY

Question 26: How many cigarettes do you smoke on an average day now?

Distribution of Mothers by Smoking Status in the Postpartum Period



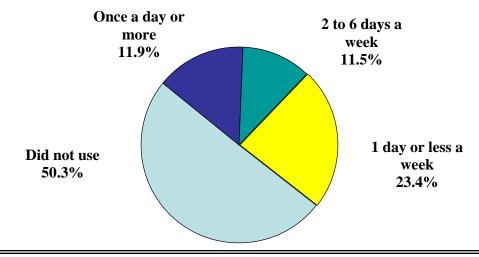


^{*}Includes only mothers ages 20 and above.

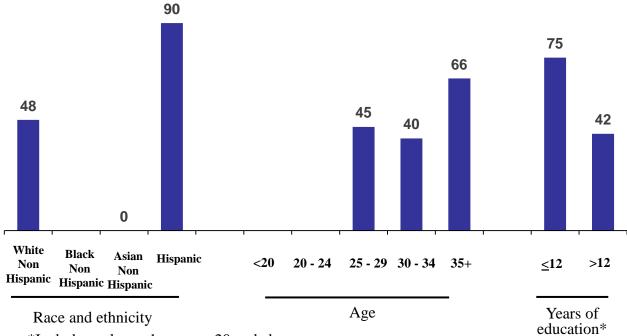
USE OF ELECTRONIC NICOTINE PRODUCTS

Question 28: During the *3 months <u>before</u>* you got pregnant, on average, how often did you use ecigarettes or other electronic nicotine products?

Distribution of Mothers by How Often E-cigarettes or Other Electronic Nicotine Products Were Used



Percentage of Mothers Who Reported E-cigarettes or Electronic Nicotine Products Use in the Three Months Preceding Pregnancy



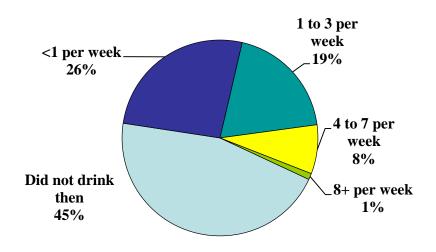
*Includes only mothers ages 20 and above.

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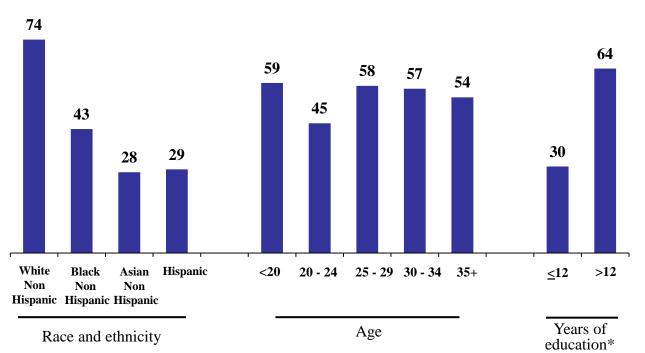
ALCOHOL USE BEFORE PREGNANCY

Question 31: During the *3 months <u>before</u>* you got pregnant, how many alcoholic drinks did you have in an average week?

Distribution of Mothers by the Number of Alcoholic Drinks During the Three Month Period Preceding Pregnancy



Percentage of Mothers Who Reported Any Alcohol Use in the Three Months Preceding Pregnancy



*Includes only mothers ages 20 and above.

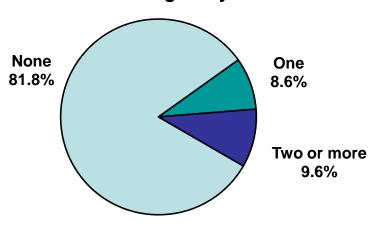
ALCOHOL BINGES BEFORE AND DURING PREGNANCY

Question 32: During the *3 months <u>before</u>* you got pregnant, how many times did you drink 4 alcoholic drinks or more in a 2 hour time span?

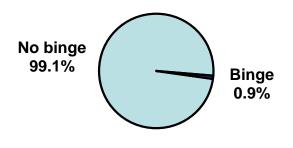
Question 34: During the <u>last</u> 3 months of your pregnancy, how many times did you drink 4 alcoholic drinks or more in a 2 hour time span?

Distribution of Mothers by the Number of Alcohol Binges (4+ Drinks in One Sitting) Before and During Pregnancy

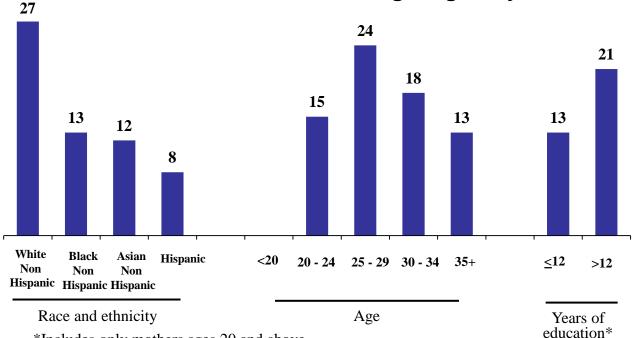
Before Pregnancy



<1% of Mothers Reported Binge Drinking *During* Pregnancy



Percentage of Mothers Who Reported Any Binge Drinking in the Three Months Preceding Pregnancy

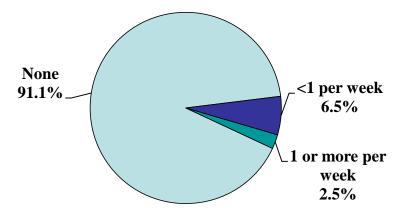


*Includes only mothers ages 20 and above.

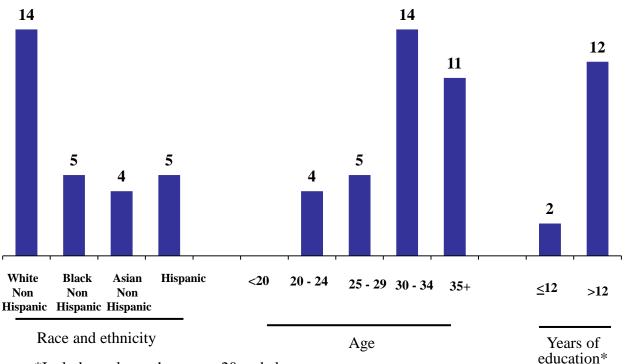
ALCOHOL USE DURING PREGNANCY

Question 33: During the <u>last</u> 3 months of your pregnancy, how many alcoholic drinks did you have in an average week?

Distribution of Mothers by the Number of Alcoholic Drinks During the Last Three Months of Pregnancy



Percentage of Mothers Who Reported Any Alcohol Use in the Last Three Months of Pregnancy

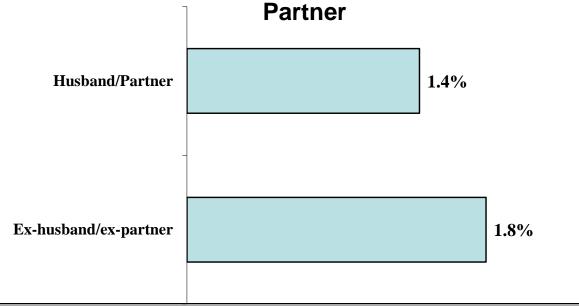


*Includes only mothers ages 20 and above.

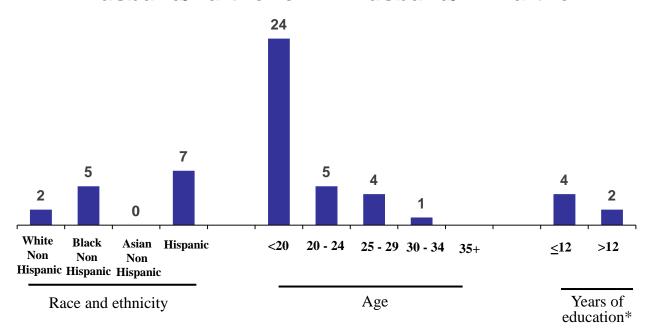
PHYSICAL ABUSE BEFORE PREGNANCY

Question 35: During the *12 months <u>before</u>* you got pregnant with your new baby, did any of the following people push, hit slap, kick, choke, or physically hurt you in any other way?

Distribution of Mothers by Abuse Before Pregnancy by Husband/Partner or Ex-Husband/Ex-



Percentage of Mothers Who Reported Being Physically Abused Before Pregnancy by a Husband/Partner or Ex-Husband/Ex-Partner



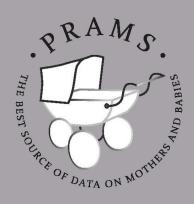
^{*}Includes only mothers ages 20 and above.

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Postpartum Factors







"I was lucky to be able to take some paid leave after birth (6 weeks). It was hard to go back so soon, given baby's erratic sleep schedule and my recovery (c-section). I don't know how mothers who don't have leave manage. Fathers who can't take leave also miss out on a critical part of family bonding. Parental leave should be available to all – paid. We are so penny wise – pound foolish in this country. We 'save' money on not funding parental leave, but how much do we 'spend' on poorer outcomes – health, crime, divorce, poverty?"

"The free classes the health department offered for breastfeeding and Lamaze were very informative and helpful."

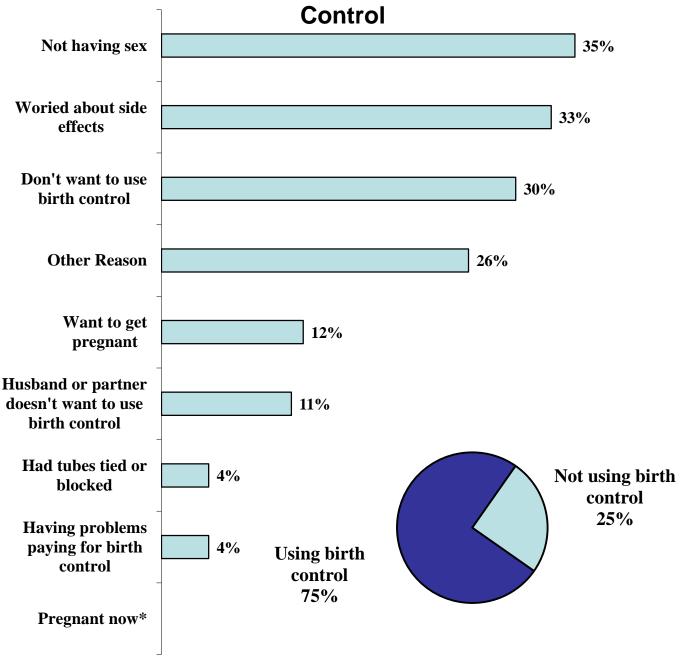
"The most difficult time for me was 3 weeks after the birth of my child. I had problems with breastfeeding, baby was screaming all the time, and I even felt that maybe I should not have even had a baby...I thought my life was over and that I will never get back to doing normal things ever again. But it got better."

PRAMS mothers

REASONS FOR NO POSTPARTUM BIRTH CONTROL

Question 53: Are you or your husband or partner doing anything <u>now</u> to keep from getting pregnant? Question 54: What are your reasons or your husband's or partner's reasons for not doing anything to keep from getting pregnant <u>now</u>? Check all that apply.

Reasons Reported for Not Using Postpartum Birth

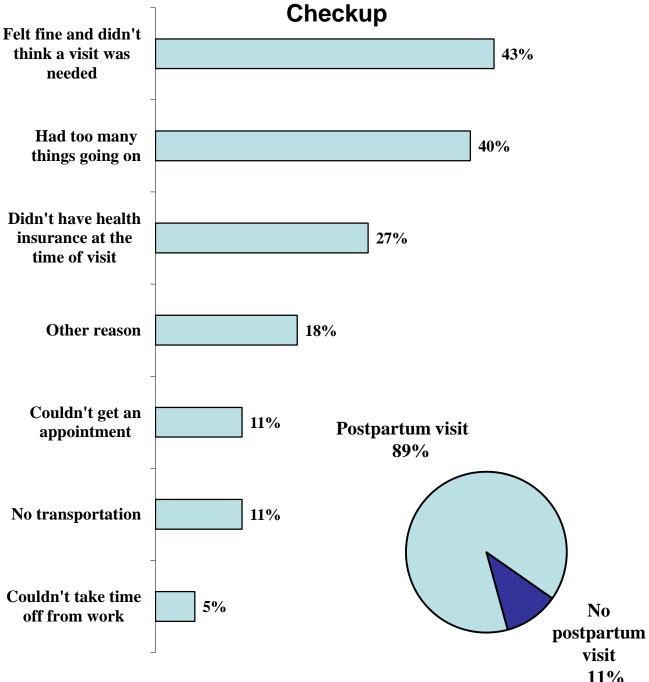


REASONS FOR NO POSTPARTUM CHECKUP FOR MOM

Question 56: Since your new baby was born, have you had a postpartum checkup for yourself? Question 57: Did any of these things keep you from having a postpartum checkup?

Check <u>all</u> that apply.

Reasons Reported for Not Having a Postpartum Checkup



BREASTFEEDING

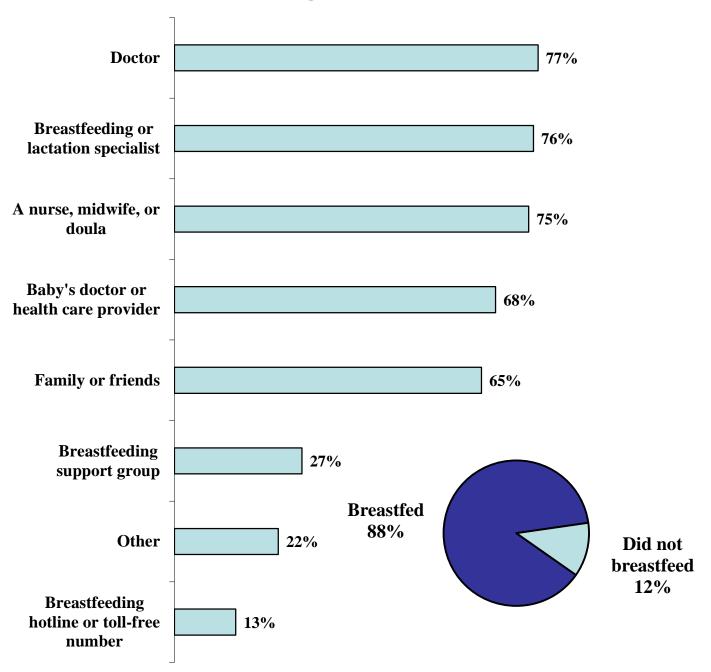
Question 44: Before or after your new baby was born, did you receive information

about breastfeeding from any of the following sources?

Question 45: Did you ever breastfeed or pump breast milk to feed your new baby,

even for a short period of time?

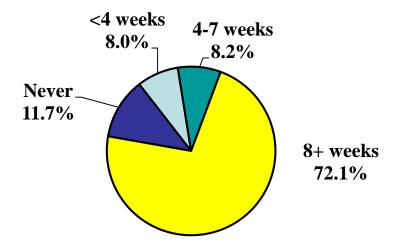
Breastfeeding Information Sources



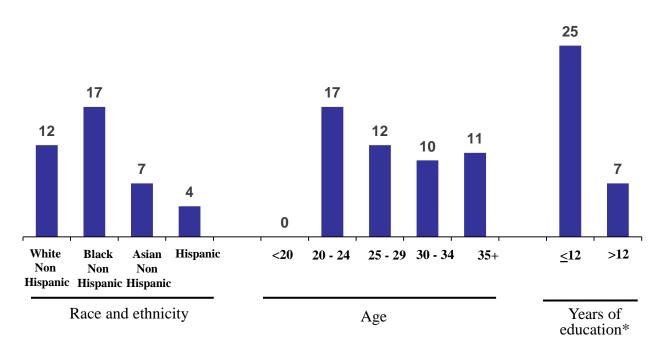
BREASTFEEDING DURATION

Question 47: How many weeks or months did you breastfeed or feed pumped milk to your baby?

Distribution of Mothers by Length of Time Infant Was Breastfed



Percentage of Mothers Who Reported Never Breastfeeding

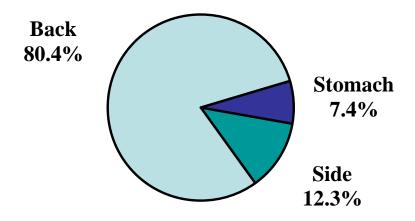


*Includes only mothers ages 20 and above.

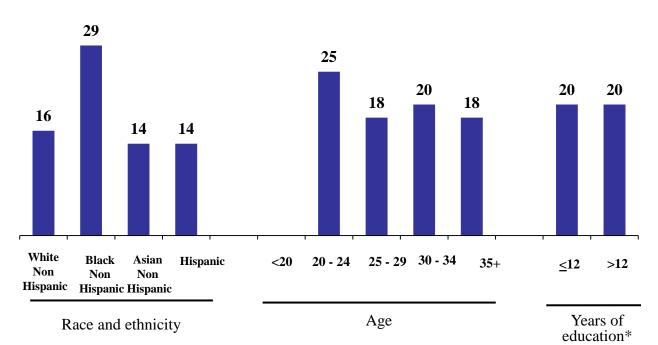
SLEEP POSITION

Question 48: In which *one* position do you <u>most often</u> lay your baby down to sleep now?

Distribution of Infants by Sleep Position



Percentage of Infants Not Placed on Back to Sleep

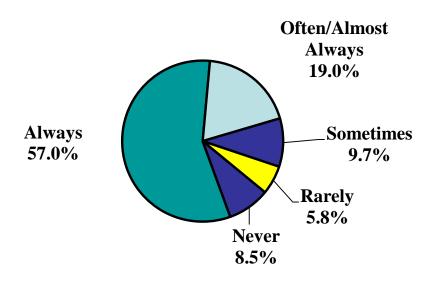


*Includes only mothers ages 20 and above.

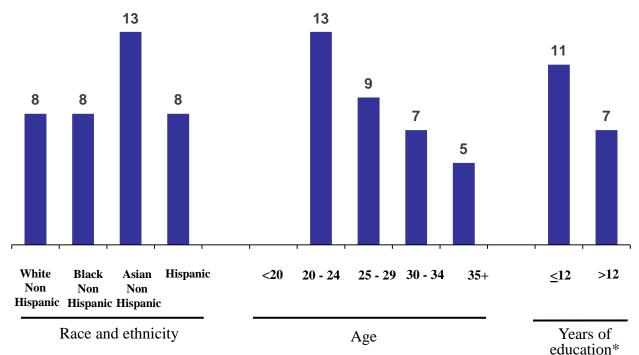
CO-SLEEPING

Question 49: In the *past 2 weeks*, how often has your new baby slept alone in his or her own crib or bed?

Distribution of How Often Babies Slept Alone In Their Own Crib or Bed



Percentage of Babies Who <u>Never</u> Slept Alone In a Crib or Bed

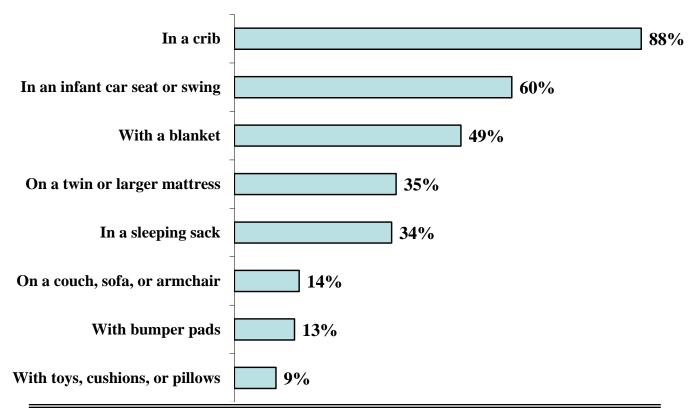


*Includes only mothers ages 20 and above

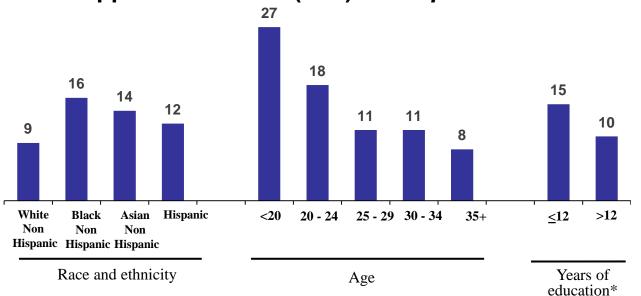
SLEEP ENVIRONMENT

Question 51: Listed below are some more things about how babies sleep. How did your new baby *usually* sleep in the *past 2 weeks*?

Check **No** if your baby did not usually sleep like this or **Yes** if he or she did.



Percentage of Infants Who Did Not Sleep on an Approved Surface (crib) in the past 2 weeks

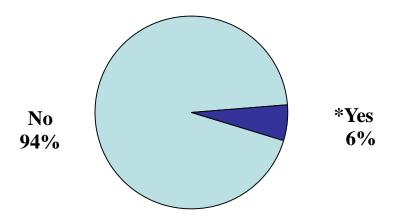


*Includes only mothers ages 20 and above.

SYMPTOMS OF POSTPARTUM DEPRESSION

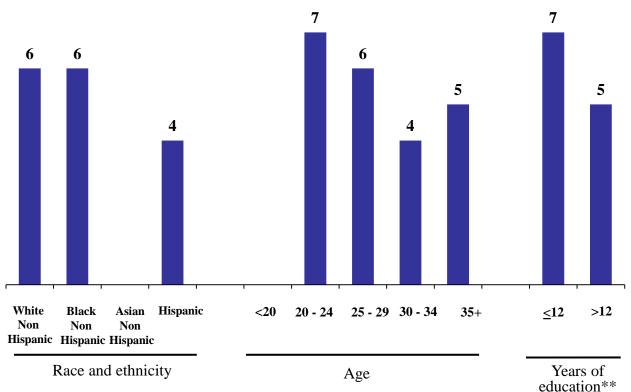
Question 59: Since your new baby was born, how often have you felt down, depressed, or hopeless?

Distribution of Mothers by Postpartum Depression



*Includes mothers who reported having symptoms "Always" or "Often" to Question 59

Percentage of Mothers Who Reported *Oftenl Almost Always* Having Postpartum Depression

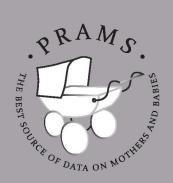


^{**}Includes only mothers ages 20 and above.

Phase 8 Questionnaire







"I wish people would take care of themselves during their pregnancies."
"Thank you for taking the time to learn about mothers' experiences. I appreciate the efforts to try to understand and improve child and maternal health!"
PRAMS mothers

Please check the box next to your answer or follow the directions included with the question. You may be asked to skip some questions that do not apply to you.

BEFORE PREGNANCY				
The first questions are about you.				
1. How tall are <i>you</i> without shoes?				
	Feet Inches OR Centimeters			
2.	Just before you got pregnant with your new baby, how much did you weigh?			
	Pounds OR Kilos			
3.	What is <u>your</u> date of birth?			
	Month Day Year			
The next questions are about the time <u>before</u> you got pregnant with your <i>new</i> baby.				
4. Before you got pregnant with your new baby, did you ever have any other babies who were born alive?				
_ _	□ No ———— Go to Question 6 □ Yes			

Go to Question 5

	have a baby by cesarean delivery or c-section (when a doctor cuts through the mother's belly to bring out the baby)?
	□ No □ Yes
6.	Before you got pregnant, would you say that, in general, your health was—
	□ Excellent□ Very good□ Good□ Fair□ Poor
7.	During the 3 months before you got pregnant with your new baby, did you have any of the following health conditions? For each one, check No if you did not have the condition or Yes if you did.
	No Yes
a. b. c. d. e. f. g. h.	Type 1 or Type 2 diabetes (not gestational diabetes or diabetes that starts during pregnancy)
8.	During the <i>month before</i> you got pregnant with your new baby, how many times a week did you take a multivitamin, a prenatal vitamin, or a folic acid vitamin?
	 □ I didn't take a multivitamin, prenatal vitamin, or folic acid vitamin in the month before I got pregnant □ 1 to 3 times a week □ 4 to 6 times a week □ Every day of the week

5. Before you had your new baby, did you ever

9.	In the 12 months before yo with your new baby, did yo care visits with a doctor, nealth care worker, includ mental health worker?	ou have any health urse, or other	11.	During any of your health care visits in the 12 months before you got pregnant, did a doctor, nurse, or other health care worker do any of the following things? For each ite check No if they did not or Yes if they did.	r
↓ 10.	□ No → Yes What type of health care withe 12 months before you gour new baby?		b. c.	Tell me to take a vitamin with folic acid Talk to me about maintaining a healthy weight Talk to me about controlling any medical conditions such as diabetes or high blood pressure	Yes
	Regular checkup at my fa Regular checkup at my O Visit for an illness or chror Visit for family planning of Visit for depression or and Visit to have my teeth cledental hygienist Other	mily doctor's office B/GYN's office nic condition or birth control xiety	e. f. g. h. i.	Talk to me about my desire to have or not have children	

Check ALL that apply

14. What kind of health insurance do you have

now?

The next questions are about your health insurance coverage before, during, and after your pregnancy with your new baby.

				Private health insurance f of my husband or partner	
12.	During the <u>month before</u> with your new baby, wh insurance did you have?	at kind of health		Private health insurance f Private health insurance f Health Insurance Marketp www.marylandhealthcor HealthCare.gov	from my parents from the Maryland blace,
	 Private health insurance of my husband or particular private health insurance. Private health insurance. Health Insurance Marke www.marylandhealthous HealthCare.gov. Medicaid or HealthChool 	ner ce from my parents ce from the Maryland etplace, connection.gov, or	<u> </u>	Medicaid or HealthChoice TRICARE or other military Other health insurance —	health care → Please tell us:
	☐ TRICARE or other milita☐ Other health insurance		wi	ninking back to <i>just befor</i> ith your new baby, how c ecoming pregnant?	
	☐ I did not have any heal month before I got preg			I wanted to be pregnant la I wanted to be pregnant so I wanted to be pregnant th	ooner
		_			
13.	During your <u>most recent</u> kind of health insurance your prenatal care?			I didn't want to be pregnar in the future I wasn't sure what I wanted	nt then or at any time
13.	kind of health insurance	Go to Question 14 The from my job or the job oner The from my parents the from the Maryland tetplace, connection.gov, or soice one of the distribution of the property of the		I didn't want to be pregnar in the future	nt then or at any time
13.	kind of health insurance your prenatal care? I did not go for prenatal care Private health insurance of my husband or parti Private health insurance Private health insurance Health Insurance Marke www.marylandhealthous HealthCare.gov Medicaid or HealthCho	Check ALL that apply Go to Question 14 te from my job or the job mer te from my parents te from the Maryland tetplace, connection.gov, or Dice tery health care tery health care tery hease tell us:		I didn't want to be pregnar in the future	nt then or at any time

DURING PREGNANCY

The next questions are about the prenatal care you received during your most recent pregnancy. Prenatal care includes visits to a doctor, nurse, or other health care worker before your baby was born to get checkups and advice about pregnancy. (It may help to look at the calendar when you answer these questions.)

16.	How many weeks <i>or</i> months pregnant we you when you had your first visit for pren care?	
{	Weeks OR Months ☐ I didn't go for	
	prenatal care	on 18
17.	During any of your prenatal care visits, did doctor, nurse, or other health care worke you any of the things listed below? For ea item, check No if they did not ask you about Yes if they did.	r ask ch
	No	Yes
a.	If I knew how much weight I should gain during pregnancy	
b.	If I was taking any prescription medication	
c.	If I was smoking cigarettes	
d.	If I was drinking alcohol	
e.	If someone was hurting me emotionally or physically	
f.	If I was feeling down or depressed	
g.	If I was using drugs such as marijuana, cocaine, crack, or meth	
h.	If I wanted to be tested for HIV (the virus that causes AIDS)	
i.	If I planned to breastfeed my new baby \Box	
j.	If I planned to use birth control after my baby was born	

10.	pregnancy or delivery, did you have a test for HIV (the virus that causes AIDS)?
	□ No □ Yes □ I don't know
19.	During the 12 months <i>before the <u>delivery</u></i> of your new baby, did a doctor, nurse, or other health care worker <i>offer</i> you a flu shot or <i>tell</i> you to get one?
	□ No □ Yes
20.	During the 12 months <i>before the <u>delivery</u></i> of your new baby, did you <i>get</i> a flu shot?
	Check ONE answer
	□ No□ Yes, before my pregnancy□ Yes, during my pregnancy
21.	During your most recent pregnancy, did you have your teeth cleaned by a dentist or dental hygienist?
	□ No □ Yes
22.	During your most recent pregnancy, did you have any of the following health conditions? For each one, check No if you did not have the condition or Yes if you did.
a. b. c.	Gestational diabetes (diabetes that started during this pregnancy)

The next questions are about smoking cigarettes around the time of pregnancy (before, during, and after).

	4	
23. Have you smoked any cigarettes in the past 2 years? ☐ No ☐ Yes ☐ Yes ☐ Yes	E-cigarettes (electronic cigarettes) and other electronic nicotine products (such as vape pens, e-hookahs, hookah pens, e-cigars, e-pipes) are battery-powered devices that use nicotine liquid rather than tobacco leaves, and produce vapor instead of smoke.	
24. In the 3 months <u>before</u> you got pregnant, how many cigarettes did you smoke on an average day? A pack has 20 cigarettes.	instead of smoke. A <u>hookah</u> is a water pipe used to smoke tobacco is not the same as an e-hookah or hookah pen.	
 □ 41 cigarettes or more □ 21 to 40 cigarettes □ 11 to 20 cigarettes □ 6 to 10 cigarettes □ 1 to 5 cigarettes □ Less than 1 cigarette □ I didn't smoke then 	 27. Have you used any of the following products in the past 2 years? For each item, check No if you did not use it or Yes if you did. No Yes a. E-cigarettes or other electronic nicotine products 	
 25. In the <u>last 3 months</u> of your pregnancy, how many cigarettes did you smoke on an average day? A pack has 20 cigarettes. 41 cigarettes or more 21 to 40 cigarettes 	b. Hookah	
 11 to 20 cigarettes 6 to 10 cigarettes 1 to 5 cigarettes Less than 1 cigarette I didn't smoke then 	28. During the 3 months <u>before</u> you got pregnant, on average, how often did you use e-cigarettes or other electronic nicotine products?	
26. How many cigarettes do you smoke on an average day now? A pack has 20 cigarettes. 41 cigarettes or more 21 to 40 cigarettes 11 to 20 cigarettes 6 to 10 cigarettes 1 to 5 cigarettes Less than 1 cigarette 1 don't smoke now	 □ More than once a day □ Once a day □ 2-6 days a week □ 1 day a week or less □ I did not use e-cigarettes or other electronic nicotine products then 	

The next questions are about using other tobacco products around the time of pregnancy.

If you used e-cigarettes or other electronic nicotine products in the past 2 years, go to		
b.	Hookah	
a.	E-cigarettes or other electronic nicotine products	
		No Yes
	you did not use it or Yes if you did.	

ш	More than once a day
	Once a day
	2-6 days a week
	1 day a week or less
	I did not use e-cigarettes or other electronic
	nicotine products then

29. During the <u>last 3</u> months of your pregnancy, on average, how often did you use e-cigarettes or other electronic nicotine	33. During the <u>last 3</u> months of your pregnancy, how many alcoholic drinks did you have in an average week?
products? ☐ More than once a day ☐ Once a day ☐ 2-6 days a week ☐ 1 day a week or less ☐ I did not use e-cigarettes or other electronic nicotine products then	14 drinks or more a week 8 to 13 drinks a week 4 to 7 drinks a week 1 to 3 drinks a week Less than 1 drink a week I didn't drink then Go to Question 35
The next questions are about drinking alcohol around the time of pregnancy.	34. During the <u>last 3</u> months of your pregnancy, how many times did you drink 4 alcoholic drinks or more in a 2 hour time span?
30. Have you had any alcoholic drinks in the past 2 years? A drink is 1 glass of wine, wine cooler, can or bottle of beer, shot of liquor, or mixed drink.	 6 or more times 4 to 5 times 2 to 3 times 1 time I didn't have 4 drinks or more in a 2 hour time span
 No → Go to Question 35 Yes 31. During the 3 months before you got pregnant, how many alcoholic drinks did you have in an average week? 	Pregnancy can be a difficult time. The next questions are about things that may have happened <u>before</u> and <u>during</u> your most recent pregnancy.
14 drinks or more a week 8 to 13 drinks a week 4 to 7 drinks a week 1 to 3 drinks a week Less than 1 drink a week I didn't drink then Go to Question 33	35. In the 12 months <u>before</u> you got pregnant with your new baby, did any of the following people push, hit, slap, kick, choke, or physically hurt you in any other way? For each person, check No if they did not hurt you during this time or Yes if they did.
32. During the 3 months <u>before</u> you got pregnant, how many times did you drink 4 alcoholic drinks or more in a 2 hour time span?	a. My husband or partner
 6 or more times 4 to 5 times 2 to 3 times 1 time I didn't have 4 drinks or more in a 2 hour time span 	36. During your most recent pregnancy, did any of the following people push, hit, slap, kick, choke, or physically hurt you in any other way? For each person, check No if they did not hurt you during this time or Yes if they did.
	a. My husband or partner

Check ONE answer

40. Which statement best describes whose idea

(c-section)?

it was for you to have a cesarean delivery

AFTER PREGNANCY

The next questions are about the time since your new baby was born.

37. When was your new baby born?	 My health care provider recommended a cesarean delivery <i>before</i> I went into labor My health care provider recommended a cesarean delivery while I was in labor I asked for the cesarean delivery
Month Day Year	41. After your baby was delivered, how long did he or she stay in the hospital?
38. How was your new baby delivered? ☐ Vaginally → Go to Question 41 ☐ Cesarean delivery (c-section) 39. What was the reason that your new baby was born by cesarean delivery (c-section)?	Less than 24 hours (less than 1 day) 24 to 48 hours (1 to 2 days) 3 to 5 days 6 to 14 days More than 14 days My baby was not born in a hospital My baby is still in
Check ALL that apply	the hospital — Go to Page 8, Question 44
□ I had a previous cesarean delivery (c-section) □ My baby was in the wrong position (such as breech) □ I was past my due date □ My health care provider worried that my baby was too big □ I had a medical condition that made labor dangerous for me (such as heart condition, physical disability) □ I had a complication in my pregnancy (such as pre-eclampsia, placental problems, infection, preterm labor) □ My health care provider tried to induce my labor, but it didn't work □ Labor was taking too long □ The fetal monitor showed that my baby was having problems before or during labor (fetal distress) □ I wanted to schedule my delivery □ I didn't want to have my baby vaginally □ Other — → Please tell us:	42. Is your baby alive now? No We are very sorry for your loss. Go to Page 9, Question 53 43. Is your baby living with you now? No Go to Page 9, Question 53 Go to Page 8, Question 44
breech) I was past my due date My health care provider worried that my baby was too big I had a medical condition that made labor dangerous for me (such as heart condition, physical disability) I had a complication in my pregnancy (such as pre-eclampsia, placental problems, infection, preterm labor) My health care provider tried to induce my labor, but it didn't work Labor was taking too long The fetal monitor showed that my baby was having problems before or during labor (fetal distress) I wanted to schedule my delivery I didn't want to have my baby vaginally	We are very sorry for your log Go to Page 9, Question 9 43. Is your baby living with you now? Go to Page 9, Question 9 Yes Go to Page 9, Question 9

44.	Before or after your new baby was born, did you receive information about breastfeeding from any of the following sources? For each one, check No if you did not receive information		our baby is still in the hospestion 53.	pital, go to
	from this source or Yes if you did.	48. I	n which <i>one</i> position do y	ou most often lav
	No Yes		your baby down to sleep n	
a.	My doctor			Check ONE answer
	A nurse, midwife, or doula		On his or her side	
	A breastfeeding or lactation specialist \Box	_	On his or her back	
d.	My baby's doctor or health care provider		On his or her stomach	
	A breastfeeding support group		n the <u>past 2 weeks</u> , how of	
f.	A breastfeeding hotline or toll-free	·	baby slept alone in his or h	ier own crib or bed?
α.	ramily or friends		Always	
	Other		Often Sometimes	
•••	Please tell us:		Rarely	
			Never →	Go to Question 51
		*		
			When your new baby sleep her crib or bed in the same	
45.	Did you ever breastfeed or pump breast milk to feed your new baby, even for a short		sleep?	room where <u>you</u>
	period of time?		□ No	
			Yes	
	☐ No			
\downarrow			Listed below are some mo	
46.	Are you currently breastfeeding or feeding		how babies sleep. How dic usually sleep in the <u>past 2</u>	
	pumped milk to your new baby?	i	tem, check No if your baby	did not <i>usually</i> sleep
	□ No	I	ike this or Yes if he or she di	d.
	☐ Yes — Go to Question 48			No Yes
4		1	n a crib, bassinet, or pack an	
47.	How many weeks or months did you breastfeed or feed pumped milk to your		On a twin or larger mattress	
	baby?	1	On a couch, sofa, or armchai n an infant car seat or swing	
	☐ Less than 1 week	1	n a sleeping sack or wearabl	
		l	With a blanket	
	Weeks OR Months	l	With toys, cushions, or pillow	
	Weeks On WIOIILIIS	l	ncluding nursing pillows	
		1	With crib bumper pads (mes	
		r	non-mesh)	

52.	Did a doctor, nurse, or other health care worker tell you any of the following things? For each thing, check No if they did not tell you or Yes if they did.	If you or your husband or partner is <u>not doing</u> anything to keep from getting pregnant <i>now,</i> go to Question 56.
	No Yes Place my baby on his or her back to sleep	55. What kind of birth control are you or your husband or partner using <i>now</i> to keep from getting pregnant?
b.	Place my baby to sleep in a crib, bassinet, or pack and play	Check ALL that apply
	Place my baby's crib or bed in my room What things should and should not go in bed with my baby	 Tubes tied or blocked (female sterilization or Essure®) Vasectomy (male sterilization) Birth control pills
53.	Are you or your husband or partner doing anything now to keep from getting pregnant? Some things people do to keep from getting pregnant include having their tubes tied, using birth control pills, condoms, withdrawal, or natural family planning.	 Condoms Shots or injections (Depo-Provera®) Contraceptive patch (OrthoEvra®) or vaginal ring (NuvaRing®) IUD (including Mirena®, ParaGard®, Liletta®, or Skyla®) Contraceptive implant in the arm (Nexplanon®)
↓ 54.	□ No □ Yes → Go to Question 55 What are your reasons or your husband's or	or Implanon®) Natural family planning (including rhythm method) Withdrawal (pulling out)
	partner's reasons for not doing anything to keep from getting pregnant now? Check ALL that apply	□ Not having sex (abstinence)□ Other → Please tell us:
	☐ I want to get pregnant☐ I am pregnant now	
	 □ I am pregnant now □ I had my tubes tied or blocked □ I don't want to use birth control □ I am worried about side effects from birth control □ I am not having sex □ My husband or partner doesn't want to use anything □ I have problems paying for birth control □ Other → Please tell us: 	56. Since your new baby was born, have you had a postpartum checkup for yourself? A postpartum checkup is the regular checkup a woman has about 4-6 weeks after she gives birth. Do No Go to Page 10, Question 58 Go to Page 10, Question 57

58. During your postpartum checkup, did a doctor, nurse, or other health care worker do any of the following things? For each item, check No if they did not do it or Yes if they did.
a. Tell me to take a vitamin with folic acid b. Talk to me about healthy eating, exercise, and losing weight gained during pregnancy
h. Ask me if someone was hurting me emotionally or physically
j. Test me for diabetes
59. Since your new baby was born, how often have you felt down, depressed, or hopeless?
☐ Always ☐ Often ☐ Sometimes ☐ Rarely ☐ Never
60. Since your new baby was born, how often have you had little interest or little pleasure in doing things you usually enjoyed?
☐ Always ☐ Often ☐ Sometimes ☐ Rarely ☐ Never

61. Since your new baby was born, how often have you felt panicky?	If your baby is not alive, is not living with you, or is still in the hospital, go to Question 68.		
☐ Always ☐ Often ☐ Sometimes ☐ Rarely ☐ Never	65. Are you currently in school or working? ☐ No, I don't go to		
62. Since your new baby was born, how often have you felt restless?	Yes, I go to school or work from home		
☐ Always ☐ Often ☐ Sometimes	66. Which one of the following people spends the most time taking care of your new baby when you are at school or work?		
Rarely	Check ONE answer		
□ Never	My husband or partnerBaby's grandparentOther close family member or relative		
OTHER EXPERIENCES	☐ Friend or neighbor ☐ Babysitter, nanny, or other child care provider		
The next questions are on a variety of topics.	☐ Staff at day care center ☐ Other → Please tell us:		
63. Thinking back to <i>just before</i> you got pregnant with your new baby, how did your husband or partner feel about your becoming pregnant?	☐ The baby is with me while I am at school or work — → Go to Question 68		
Check ONE answer			
 Wanted me to be pregnant sooner Wanted me to be pregnant later Wanted me to be pregnant then Didn't want me to be pregnant then or at any 	67. While you are away from your new baby for school or work, how often do you feel that he or she is well cared for?		
time in the future	Check ONE answer		
☐ I don't know ☐ I didn't have a husband or partner	☐ Always ☐ Often ☐ Sometimes ☐ Rarely		
64. During any of the following time periods, did your husband or partner threaten you, limit your activities against your will, or make you	☐ Never		
feel unsafe in any other way? For each time period, check No if it did not happen then or Yes if it did.	68. At any time during your most recent pregnancy, did you work at a job for pay?		
No Yes	☐ No → Go to Page 12, Question 74 ☐ Yes		
a. During the 12 months before I got pregnant			
b. During my most recent pregnancy	Go to Page 12, Question 69		
c Sinco my now baby was born			

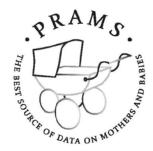
69. Have you returned to the job you had during your most recent pregnancy? Check ONE answer	73. Did any of the things listed below affect your decision about taking leave from work after your new baby was born? For each item, check No if it does not apply to you or Yes if it does.
□ No, and I do not plan to return → Go to Question 74 No, but I will be returning Yes	a. I could not financially afford to take leave
70. Did you take leave from work after your new baby was born? Check ALL that apply I took paid leave from my job I took unpaid leave from my job I did not take any leave Go to Question 73	or stayed out longer
71. How many weeks <i>or</i> months of leave, in total, did you take or will you take?	The last questions are about the time during the 12 months before your new baby was born.
— Weeks OR — Months □ Less than 1 week	
72. How did you feel about the amount of time you were able to take off <i>after</i> the birth of your new baby? Check ONE answer	74. During the 12 months before your new baby was born, what was your yearly total household income before taxes? Include your income, your husband's or partner's income, and any other income you may have received. All information will be kept private and will not affect any services you are now getting.
☐ Too little time ☐ Just the right amount of time ☐ Too much time	\$0 to \$16,000 \$16,001 to \$20,000 \$20,001 to \$24,000 \$24,001 to \$28,000 \$28,001 to \$32,000 \$32,001 to \$40,000 \$40,001 to \$48,000 \$48,001 to \$57,000 \$57,001 to \$60,000 \$573,001 to \$85,000 \$85,001 or more

		,
75.	During the 12 months before your new baby was born, how many people, including yourself, depended on this income?	
	People	
76.	What is today's date?	
	/ / _20	
	Month Day Year	

Please use this space for any additional comments you would like to make about your experiences around the time of your pregnancy or the health of mothers and babies in Maryland.

Thanks for answering our questions!

Your answers will help us work to keep mothers and babies in Maryland healthy.





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