

Peoria County
Maternal and
Child Health
Report

2016

The 2016 Peoria County Maternal and Child Health Report focus on birth and maternal health characteristics.

May 2017



Public Health
Prevent. Promote. Protect.

**Peoria City/County
Health Department**

2016 Peoria County Maternal and Child Health Report

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Definitions

Crude Birth Rate is the ratio of births by total population.

General Fertility Rate is the birth rate of women in fertile ages (15-44 years).

Singleton births are births associated with only one (1) infant

First trimester refers to the first three (3) months of pregnancy

Late or no prenatal care is defined as medical care during the last trimester (last three months of pregnancy) or no prenatal care during the course of the pregnancy.

Preterm is the delivery of a live birth before 37 completed weeks of gestation.

Very Preterm is the delivery of a live birth before 32 completed weeks of gestation.

Low Birth Weight are infants born weighing less than 2,500 grams (5lbs 8oz)

Very Low Birth Weight are infants born weighing less than 1,500 grams (3lbs 4oz)

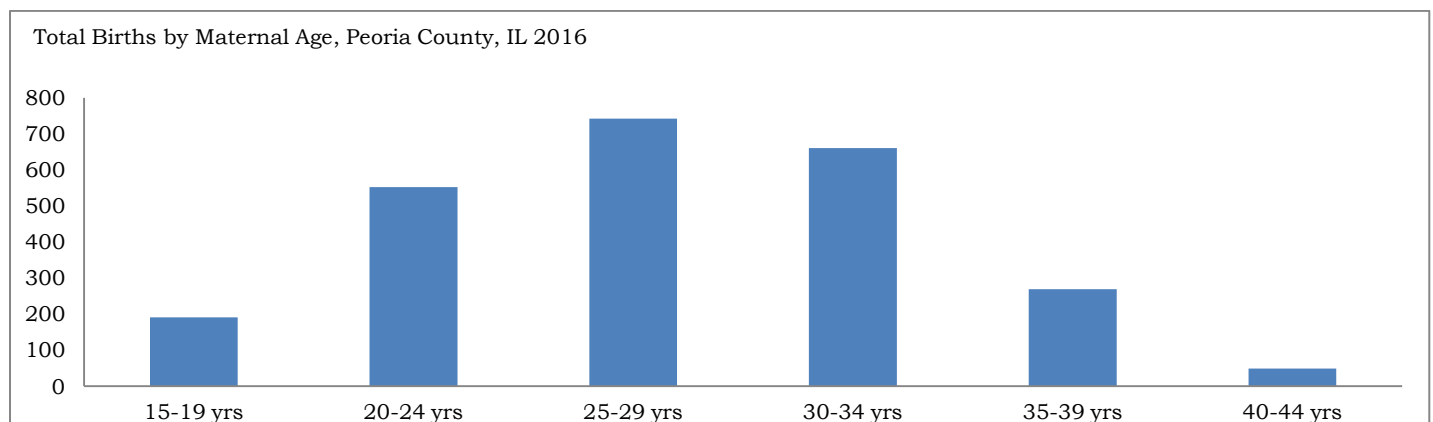
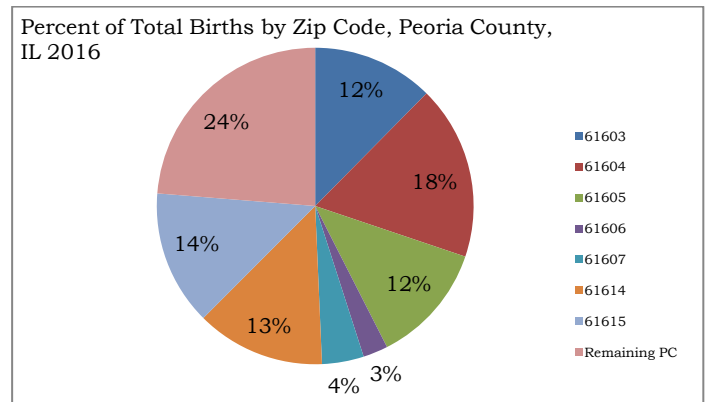
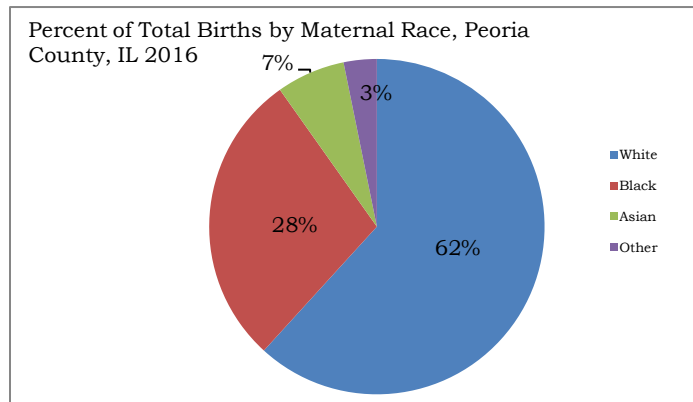
EXECUTIVE SUMMARY

The 2016 Peoria County Maternal and Child Health Report focuses on examining birth outcomes based on various characteristics with the purpose to educate and promote health understanding within the community. Peoria County as a whole had better birth outcomes than Healthy People 2020 target goals; a national health initiative. However, disparities exist when examining outcomes based on racial and geographic factors. The health concerns of teen birth and preterm births were identified within the 2017-2020 Tri-County Community Health Needs Assessment and Improvement Plan as a health priority.

GENERAL DEMOGRAPHICS

Key Findings

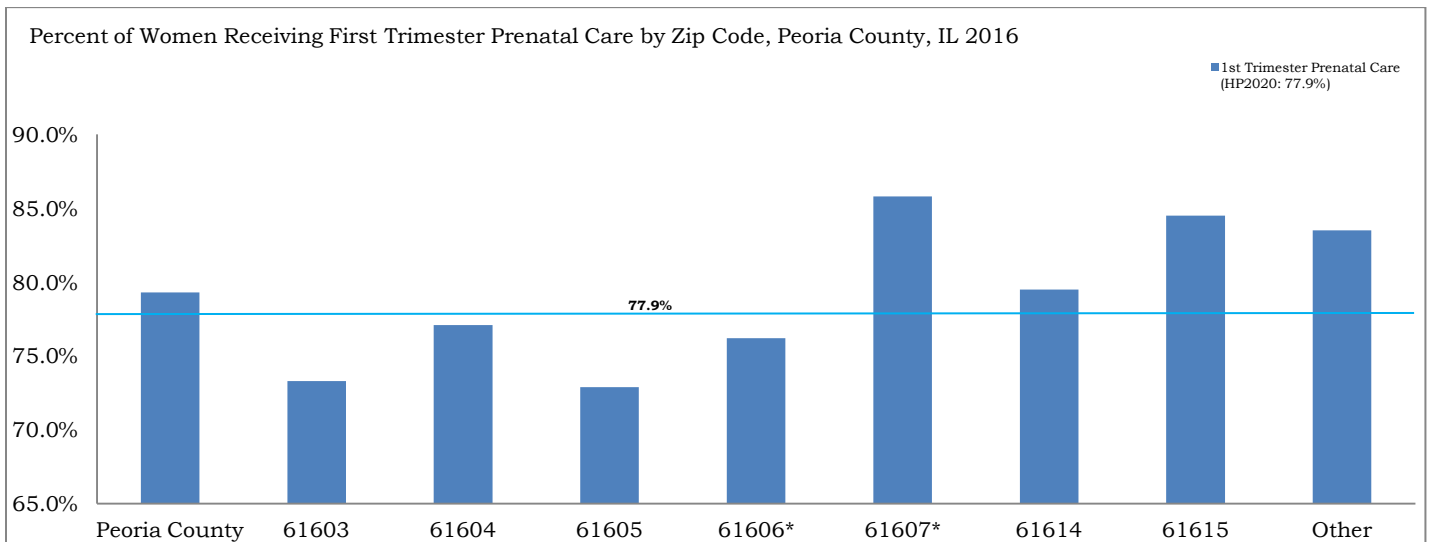
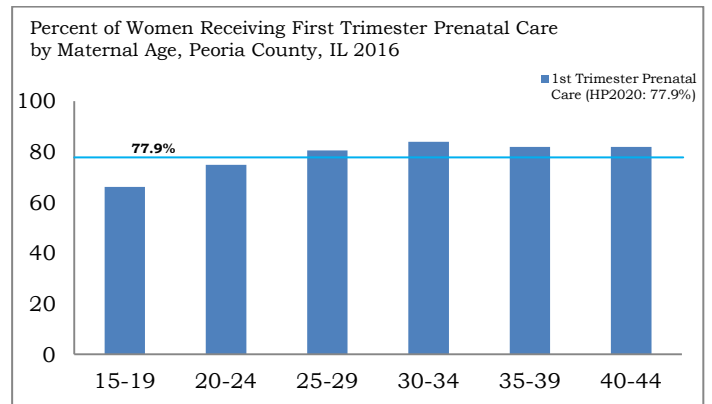
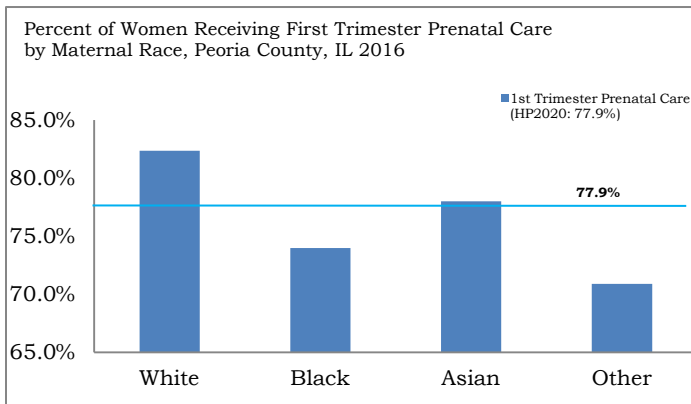
- There were a total of 2,482 live births to Peoria County residents in 2016; with a **crude birth rate** of 13.3 births per 1,000 population.
- The **general fertility rate** was 66.6 births per 1,000 women aged 15-44 years.
- The **birth rate for teens'** age 15-19 years continues to be greater than state and national averages at a rate of 30.5 per 1,000 females' age 15-19 years.
- Approximately 77% of births were within zip codes attributed to the City of Peoria.
- 79.3% of women received prenatal care in the first trimester, with only 3.5% receiving late or no care.
- Preterm deliveries accounted for 5.1% of singleton births
- Approximately 6.6% of singleton births were low birth weight, while 1.2% were very low birth weight.
- 13.9% of mothers reported smoking during pregnancy.
- Three out of ten births (32.6%) of births were delivered via cesarean.



PRENATAL CARE

Key Findings

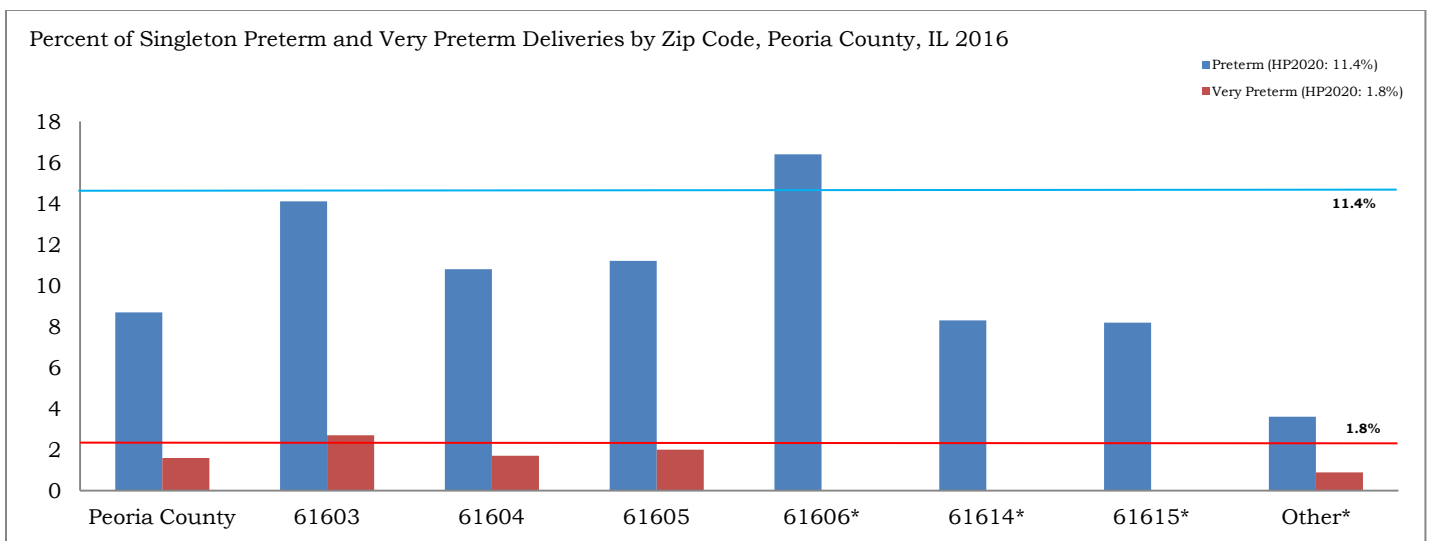
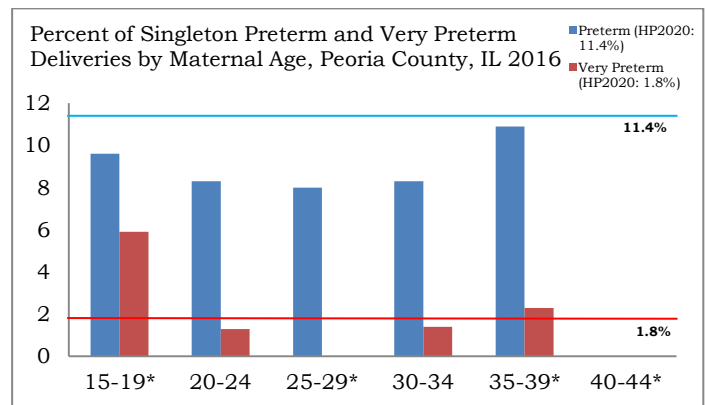
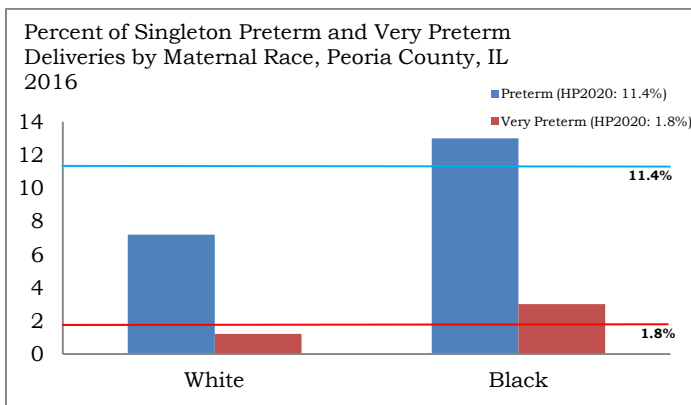
- In 2016, 79.3% of pregnant women received prenatal care during the first trimester and 3.5% received late or no prenatal care.
- Zip codes attached to the City of Peoria had 4.1% late or no prenatal care.
- Black women receiving prenatal care within the first trimester was 74.0% compare to White women which was 82.4%
- Women 15-19 years old had the lowest percentage of first trimester care, while 15-19 y.o. and 20-24 y.o. had the highest percentage of late or no prenatal care.



PRETERM BIRTHS

Key Findings

- The percent of preterm deliveries for singleton births was 8.7% for Peoria County, Illinois in 2016; of which 71.1% are late preterm (34-36 weeks gestational).
- Zip codes of 61603, 61604, and 61605 accounts for 58.2% of preterm births, with zip codes attached to the City of Peoria ranging from 6.9% to 16.4% preterm deliveries for singleton birth.
- African American/Black women had 13.0% preterm singleton deliveries compared to White women who had 7.2%.
- Of the women who had preterm singleton deliveries,
 - 10.1% had gestational diabetes
 - 13.5% were hypertensive
 - 27.4% self-reporting smoking at some time during their pregnancy.
- Approximately 54% of singleton preterm infants were low birth weight.

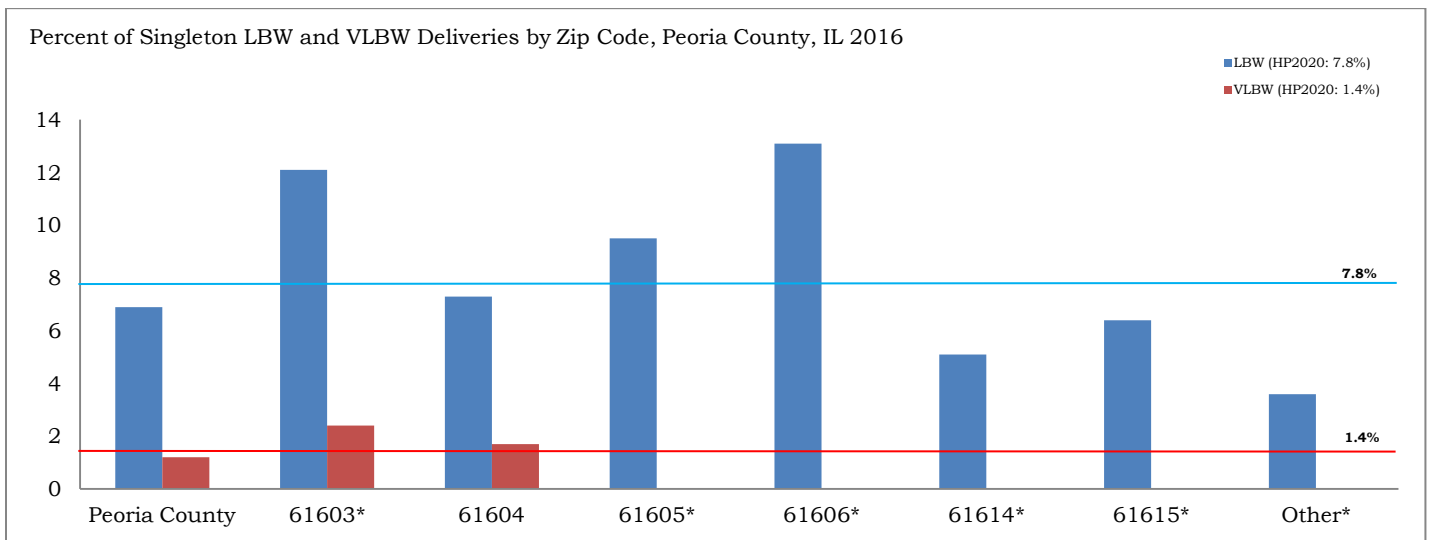
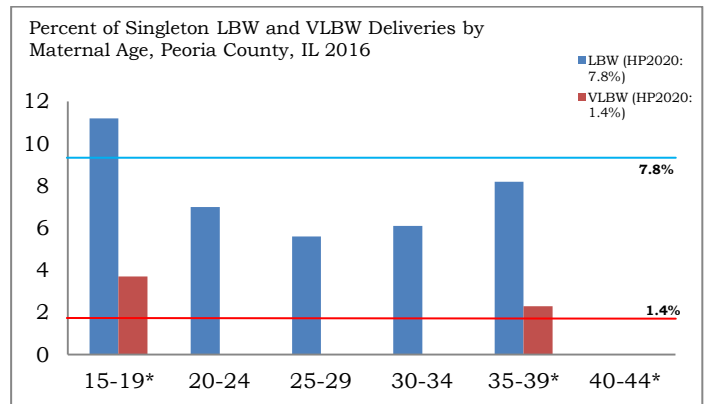
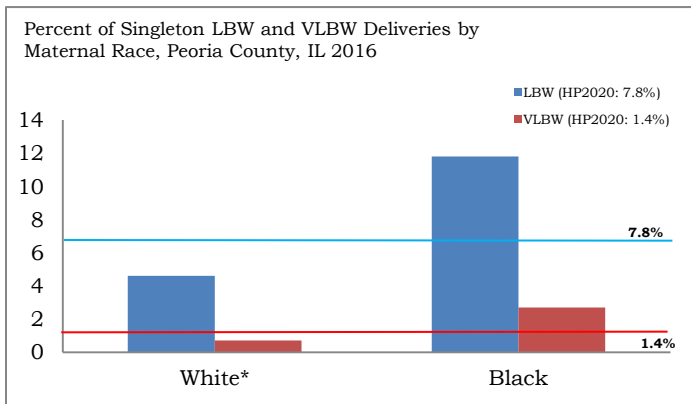


*Denotes counts less than 5.

LOW BIRTH WEIGHT

Key Findings

- The percent of low birth weight deliveries for singleton births was 6.9% and very low birth weight was 1.2%.
- Within the City of Peoria had 5.1% to 13.1% LBW deliveries for singleton birth.
- African American/Black women had the highest percentage of LBW singleton deliveries (11.8%) than women of any other racial group; more than double that of White women (4.6%).
- 31.3% of LBW were full-term (37 weeks gestational or greater).
- Of the women who had LBW singleton deliveries;
 - 16.5% were hypertensive during pregnancy.
 - Approximately 28% self-reported smoking at some time during their pregnancy.

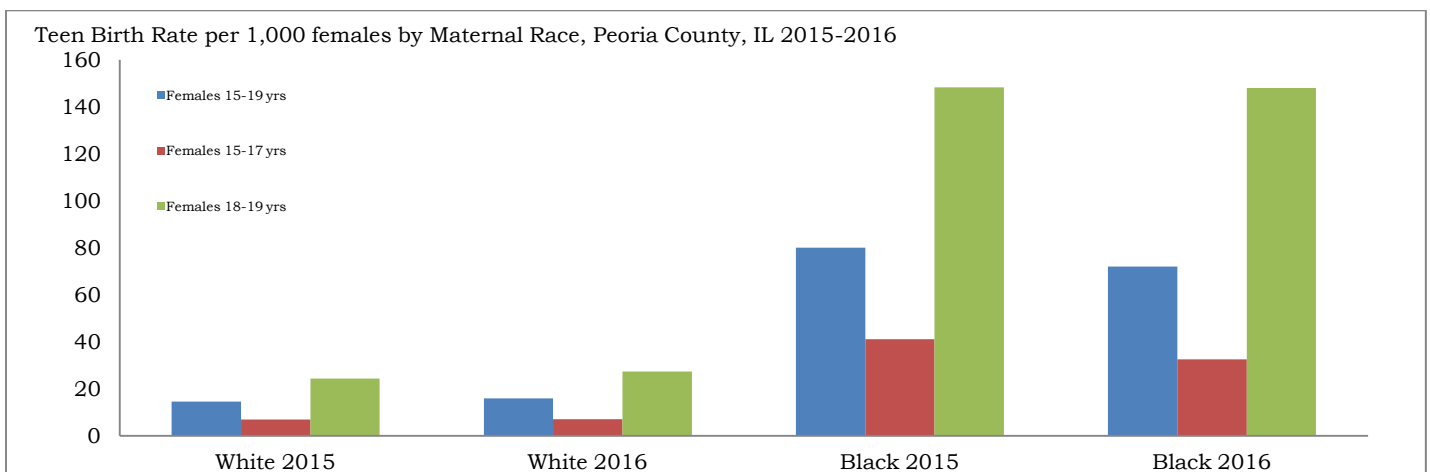


*Denotes values equal to or less than 5.

TEEN BIRTHS

Key Findings

- In 2016, 7.7% of births were to women between the ages of 15 to 19 years; rate of 30.5 per 1,000 female age 15-19 years.
- City of Peoria accounted for approximately 90.7% of teen births.
- The teen birth rate in the high risk zip codes of 61603, 61604, and 61605 is 63.7 per 1,000 female age 15-19; for the remaining Peoria County zip codes it is 13.5.
- African American/Black women had teen birth rates over three times that of White women.
- Characteristics of Women 15-19 years:
 - 9.4% had preterm deliveries
 - 10.9% had low birth weight
 - 66.1% received 1st trimester prenatal care
 - 4.2% had gestational hypertension
 - 18.2% gave birth via Cesarean
 - 12.0% smoked at one point during pregnancy
 - Mean number of pregnancies was 1.4 and births 1.3



Why Reproductive Health?

Perceptions of Health
In Our Community

#6 Early
Sexual
Activity

Ranked among
TOP TEN
health issues
within the Tri-County

Goal: Improve and promote reproductive and sexual health of adolescents and young adults.

- Preconception care and contraception
- Service Learning Programs
- Comprehensive Risk Reduction Sexual Education
- Behavioral and Biomedical Interventions
- Parenting and Caregiver Intervention



Reduce pregnancies by

10%

Among adolescent
females aged 15-19
years by 2019.

TABLE: Total births and percentages of maternal and birth outcomes: Peoria County, IL 2016

	Number	Teen Birth (15-19 y.o.)	Smoking	Diabetes	Hypertension	Prenatal Care		Preterm ¹		Low Birthweight ¹	
						First Trimester	Late or No Care	Total	Very Preterm	Total	Very Low Birthweight
TOTAL	2482	7.7%	13.9%	7.1%	7.6%	79.3%	3.5%	8.7%	1.6%	6.9%	1.2%
Race											
White	1530	4.2%	12.5%	7.2%	7.5%	81.4%	2.3%	7.2%	1.2%	4.6%	0.7%
African American / Black	704	15.8%	19.3%	5.6%	8.7%	73.9%	6.1%	13.0%	3.0%	11.8%	2.7%
Asian	164	0.0%	--	12.2%	4.2%	78.0%	3.0%	6.3%	--	8.2%	--
Other	79	19.0%	17.7%	10.2%	7.6%	70.9%	--	--	--	--	--
Age											
15-19 yr	192	--	12.0%	--	4.2%	66.1%	4.7%	9.6%	5.9%	11.2%	3.7%
20-24 yr	555	--	18.4%	3.2%	5.6%	74.8%	4.8%	8.3%	1.3%	7.0%	--
25-29 yr	742	--	16.6%	6.3%	5.5%	80.6%	3.7%	8.0%	--	5.6%	--
30-34 yr	661	--	9.8%	7.1%	5.3%	84.0%	1.9%	8.3%	1.4%	6.1%	--
35-39 yr	269	--	7.4%	11.9%	7.1%	82.9%	3.4%	10.9%	2.3%	8.2%	2.3%
40-44 yr	50	--	16.0%	12.0%	--	82.0%	--	--	--	--	--
Zip Code											
61603	308	15.6%	25.0%	4.2%	4.9%	73.1%	5.8%	14.1%	2.7%	12.1%	2.4%
61604	441	9.5%	17.0%	6.6%	6.6%	77.1%	5.4%	10.8%	1.7%	7.3%	1.7%
61605	306	15.0%	25.8%	4.2%	3.6%	72.9%	5.2%	11.2%	2.0%	9.5%	--
61606	63	9.5%	19.0%	--	--	76.2%	--	16.4%	--	13.1%	--
61614	327	4.0%	7.6%	10.1%	6.1%	79.5%	3.0%	8.3%	--	5.1%	--
61615	342	3.8%	4.7%	7.9%	7.3%	84.5%	2.0%	8.2%	--	6.4%	--
Remaining Peoria County	695	3.4%	8.8%	5.5%	5.0%	83.9%	1.4%	3.6%	0.9%	3.6%	--

1. Denotes a count of 5 or less.

Data Sources

Peoria County Maternal and Infant Data:

This report presents information on the births within Peoria County as reported through the Vital Records program at Peoria City/County Health Department. The births utilized in the report are for the year 2016. Once finalized data has been processed by the Illinois Department of Public Health and validated by the Centers for Disease Control and Prevention, an updated report will be published.

Population data:

Rates were calculated using population estimates from U.S. Census American Community Survey 5-year estimates. Information includes estimates on total population, gender, race, and age groups for Peoria County, Illinois, United States and specific zip codes.

Data limitations:

It is important to note that live births are reported only by jurisdiction, thus any births attributed to residents occurring outside of Peoria County would not be included.

For additional information, please contact:

Monica Hendrickson, MPH
Epidemiologist, Peoria City/County Health Department
2116 N. Sheridan Road, Peoria, IL 61604
(309) 679-6000

Thank you to Peoria City/County Health Department Vital Records Program for providing data collection and technical support.