

Erie County Maternal, Infant, & Child Health Report, 2014-2016

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Erie County Resident Live Births

There were 9,346 resident live births reported in Erie County during the period 2014 to 2016, for a corresponding crude live birth rate of 11.2 births per 1,000 total population. With respect to gender, males accounted for a slight majority of babies (4,775 births, 51.1%).

Overall, 6,955 (74.4%) of the 9,364 resident births were to White women, 1,082 (11.6%) were to Black women, 1,224 (13.1%) were to women classified as Other Race, and 85 (0.9%) were to women categorized as Unknown Race. A total of 601 (6.4%) births were to women of Hispanic origin, of any race. The crude live birth rates for the White, Black, and Hispanic populations were 9.5, 16.9, and 21.0 births per 1,000, respectively.

Overall, the Erie County live birth rate dropped from 14.9 births per 1,000 population in 1990-1992 to 11.2 in 2014-2016, a decline of 24.8%.

Erie County resident age-specific birth rates are presented in Table 1. The highest rate was observed for women in the 25-29 years age group (101.5 births per 1,000 females aged 25-29 years). Women aged 20-34 years accounted for 80.9% of all births.

Births to teenage mothers (under the age of 20) accounted for 7.1% of all births in 2014-2016, compared to 12.4% of births in 2000-2002, and 14.3% of births in 1990-1992.

Table 1. Erie County Resident Live Births by Age of Mother, 2014-2016

<u>Age Group</u>	<u>Births</u>	<u>Rate</u>
All ages	9,346	11.2
Under 15	7	0.3
15 - 19	654	22.4
15 - 17	189	12.5
18 - 19	465	33.1
20 - 24	2,250	77.7
25 - 29	2,916	101.5
30 - 34	2,383	96.1
35 - 39	923	40.3
40 - 44	183	7.7
45 and older	12	0.5

Notes: For women of all ages, the rate is per 1,000 total population. All other rates are per 1,000 females for each specified age group. There were 18 births where the mother's age was unknown.

Erie County Municipality Births

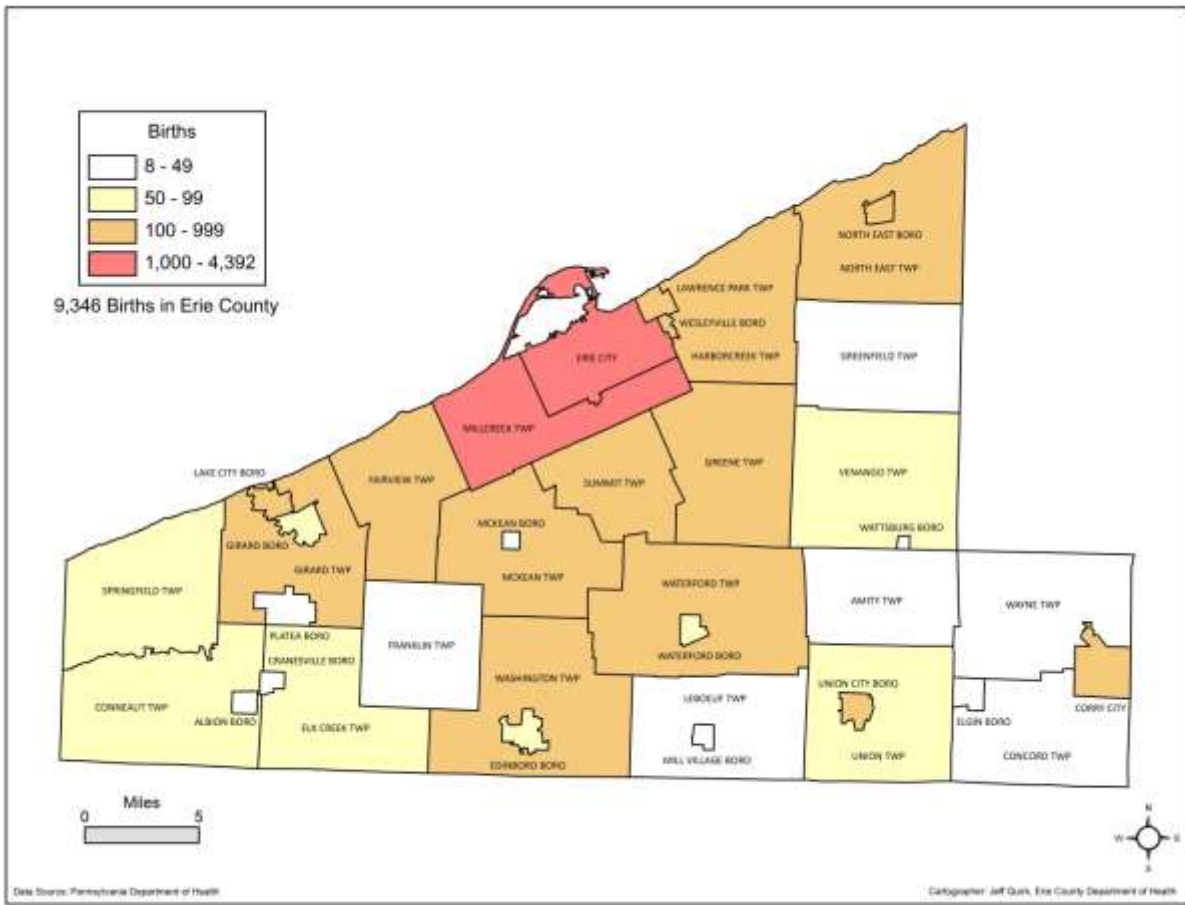
Among Erie County's 38 municipalities, the total number of live births during 2014-2016 ranged from a low of 8 babies in Elgin Borough to a high of 4,392 in the City of Erie (Table 2, Figure 1).

Erie County's three most populous municipalities - the City of Erie (100,164 residents in 2014 and 4,392 births), Millcreek Township (54,056 residents and 1,526 births), and Harborcreek Township (17,625 residents and 473 births) - accounted for over two-thirds (68.4%) of all births. The City of Erie alone accounted for nearly half (47.0%) of all births.

Table 2. Erie County Municipality Births, 2014-2016

Municipality	Births	Municipality	Births
Albion Borough	49	LeBoeuf Township	38
Amity Township	23	McKean Borough	14
Concord Township	29	McKean Township	112
Conneaut Township	65	Millcreek Township	1,526
City of Corry	298	Mill Village Borough	11
Cranesville Borough	17	North East Borough	128
Edinboro Borough	81	North East Township	156
Elgin Borough	8	Platea Borough	11
Elk Creek Township	57	Springfield Township	96
City of Erie	4,392	Summit Township	175
Fairview Township	245	Union Township	56
Franklin Township	38	Union City Borough	109
Girard Borough	89	Venango Township	58
Girard Township	145	Washington Township	120
Greene Township	108	Waterford Borough	68
Greenfield Township	43	Waterford Township	115
Harborcreek Township	473	Wattsburg Borough	21
Lake City Borough	111	Wayne Township	40
Lawrence Park Township	113	Wesleyville Borough	108

Figure 1. Erie County Municipality Births, 2014-2016



Births to Teens

From 1990-1992 to 2014-2016, the Erie County birth rate for female residents 15-19 years of age declined 56.3%, from 51.2 to 22.4 births per 1,000 females 15-19 years (Table 3, Figure 2). Overall, the rate for teens aged 15-17 years fell 65.2%, while the rate for teens aged 18-19 years dropped 50.2%.

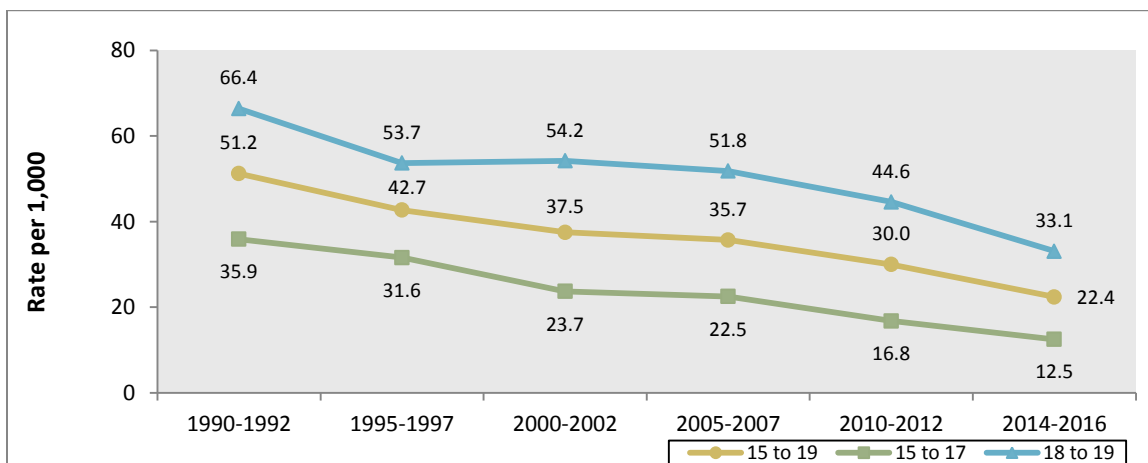
Historically, the lowest three-year total number of births to Erie County female residents 15-19, 15-17, and 18-19 years of age were recorded during the most recent period of 2014-2016. These totals were 654, 189, and 465 births, respectively, compared to 1,735, 606, and 1,129 births during 1990-1992.

Table 3. Erie County Teen Births and Birth Rates, 1990-1992 to 2014-2016

Years	Ages 15 to 19			Ages 15 to 17			Ages 18 to 19		
	Number	Rate	PA Rate	Number	Rate	PA Rate	Number	Rate	PA Rate
1990-1992 (12,440 births)	1,735	51.2	43.5	606	35.9	27.9	1,129	66.4	63.3
1995-1997 (10,834 births)	1,501	42.7	37.2	551	31.6	24.1	950	53.7	55.0
2000-2002 (10,212 births)	1,252	37.5	31.6	437	23.7	17.7	815	54.2	51.1
2005-2007 (10,193 births)	1,230	35.7	29.3	427	22.5	15.9	803	51.8	48.2
2010-2012 (9,603 births)	963	30.0	25.1	283	16.8	13.0	680	44.6	40.6
2014-2016 (9,346 births)	654	22.4	17.5	189	12.5	8.2	465	33.1	29.3

Note: Rates are per 1,000 females for each specified age group.

Figure 2. Erie County Teen Birth Rates, 1990-1992 to 2014-2016



Selected Summary Statistics

Selected summary statistics for Erie County resident live births for the period 2014-2016 are included in Table 4. Brief summaries for some of the major topics follow Table 4.

Table 4. Selected Summary Statistics for Erie County Resident Births, 2014-2016

Subject	All Races (9,346 Births)			White (6,955 Births)			Black (1,082 Births)			Hispanic (601 Births)		
	Count	Erie Co.	PA	Count	Erie Co.	PA	Count	Erie Co.	PA	Count	Erie Co.	PA
% Low Birth Weight Infants	755	8.1	8.2	486	7.0	7.0	138	12.8	13.5	54	9.0	9.0
(Unknown)	28			17			1			1		
% Received Prenatal Care in First Trimester	7,323	79.5	72.5	5,699	82.9	76.7	724	68.2	59.8	455	76.6	62.5
(Unknown)	131			80			21			7		
% Unmarried Mothers	4,486	48.0	41.1	2,944	42.3	32.3	907	83.8	77.6	403	67.2	65.3
(Unknown)	4			3			0			1		
% Preterm Births	808	8.7	9.4	571	8.2	8.6	129	11.9	13.0	55	9.2	9.8
(Unknown)	23			13			0			0		
% Cesarean Section Deliveries	3,538	37.9	30.0	2,622	37.7	29.9	454	42.0	30.5	225	37.4	30.1
(Unknown)	3			0			0			0		
% Non-Smoking Mothers During Pregnancy	7,515	80.5	87.4	5,527	79.5	85.8	873	81.0	89.8	509	85.0	92.6
(Unknown)	13			6			4			2		
% Received WIC Food During Pregnancy	4,062	45.1	36.2	2,497	36.8	26.6	748	72.3	63.8	404	70.9	70.0
(Unknown)	331			176			47			31		
% Medicaid as Source of Payment	3,106	33.6	33.0	1,838	26.7	23.7	591	55.2	63.5	353	59.2	59.4
(Unknown)	103			74			11			5		

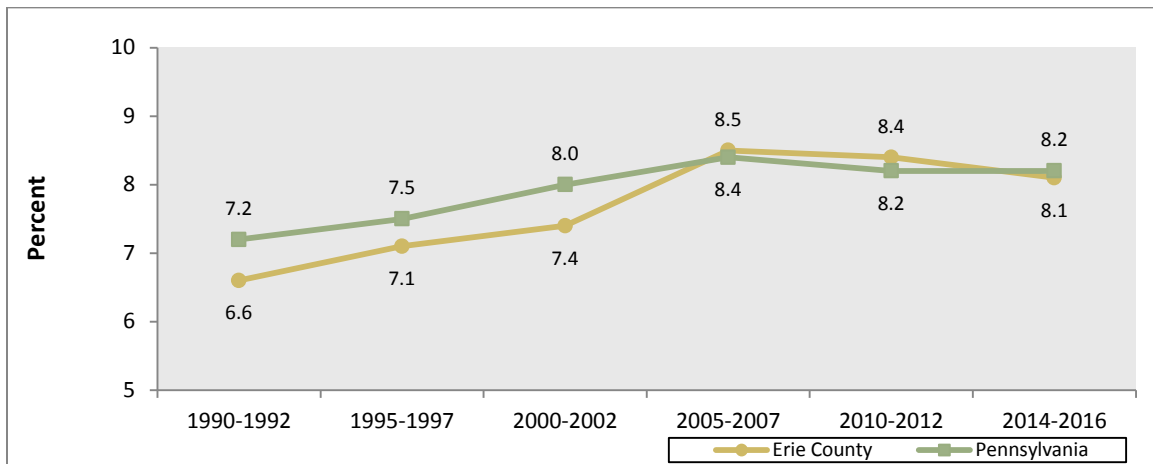
Note: Unknowns excluded from calculations.

Low Birth Weight Infants

Overall, 8.1% of Erie County live births were classified as low birth weight (less than 2,500 grams or 5 pounds and 9 ounces) in 2014-2016. The percentage of low birth weight babies born to Black mothers (12.8) was higher than the percentages for White (7.0) and Hispanic (9.0) mothers.

The percentage of low birth weight babies in Erie County increased from 6.6 in 1990-1992 to 8.1 in 2014-2016 (Figure 3). For Pennsylvania, the percentage rose from 7.2 to 8.2.

Figure 3. Percent of Low Birth Weight Babies, 1990-1992 to 2014-2016

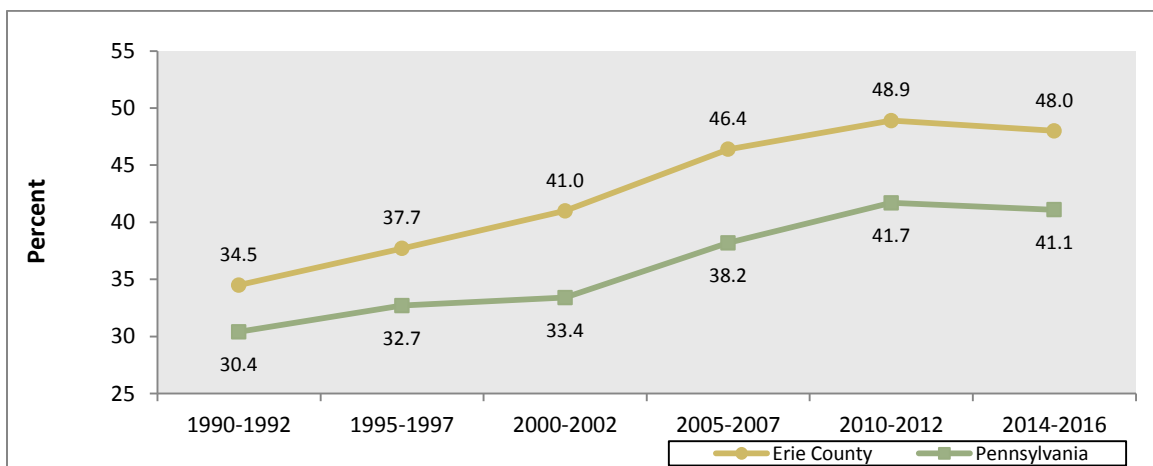


Marital Status of Mother

From 2014-2016, nearly half (48.0%) of Erie County live births were to unmarried mothers. The percentages among White, Black, and Hispanic mothers were 42.3, 83.8, and 67.2, respectively.

The percentage of unmarried mothers in Erie County rose from 34.5 in 1990-1992 to 48.0 in 2014-2016 (Figure 4). For Pennsylvania, the percentage rose from 30.4 to 41.1.

Figure 4. Percent of Live Births to Unmarried Mothers, 1990-1992 to 2014-2016

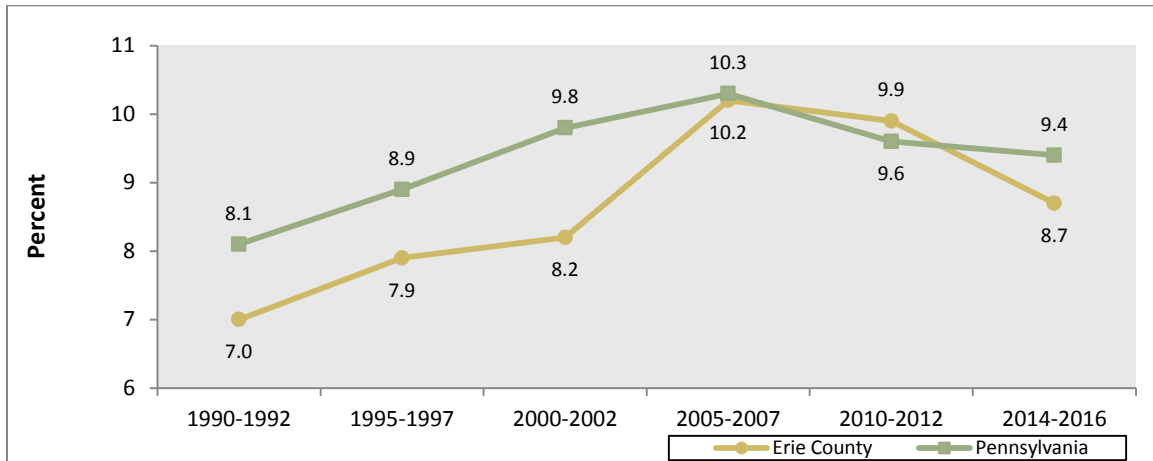


Preterm Births

During 2014-2016, 8.7% of Erie County live births were classified as preterm (less than 37 weeks gestation). The percentage of preterm births born to Black mothers (11.9) was higher than the percentages for White (8.2) and Hispanic (9.2) mothers.

The percentage of preterm births in Erie County increased from 7.0 in 1990-1992 to 8.7 in 2014-2016 (Figure 5). For Pennsylvania, the percentage rose from 8.1 to 9.4.

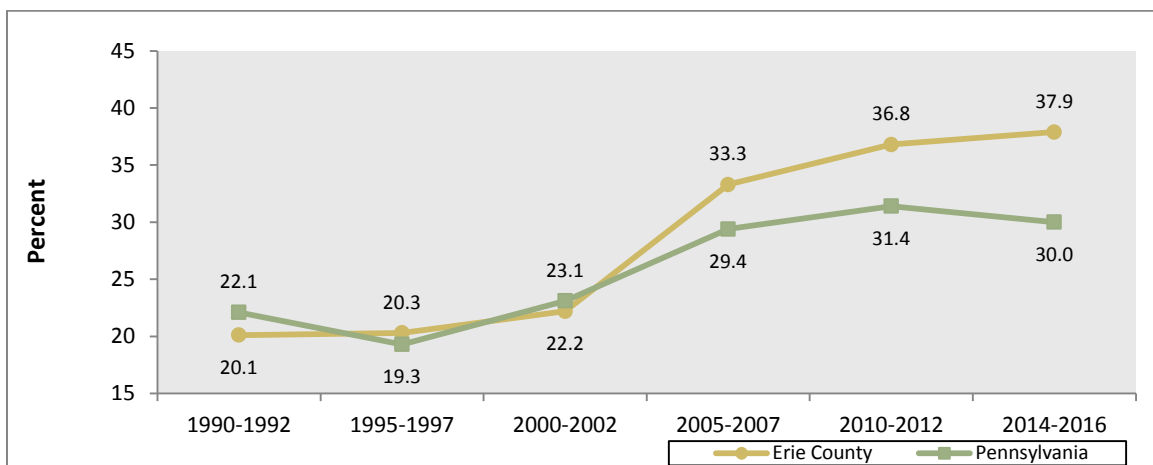
Figure 5. Percent of Preterm Live Births, 1990-1992 to 2014-2016



Cesarean Section Deliveries

During 2014-2016, over one-third (37.9%) of Erie County live births were cesarean section deliveries. The percentage of cesarean section deliveries in Erie County rose from 20.1 in 1990-1992 to 37.9 in 2014-2016 (Figure 6). For Pennsylvania, the percentage rose from 22.1 to 30.0.

Figure 6. Percent of Live Births Delivered by Cesarean Section, 1990-1992 to 2014-2016



Smoking During Pregnancy

During 2014-2016, 80.5% of Erie County live births were to mothers who did not smoke during pregnancy. The percentage of non-smoking mothers in Erie County increased from 73.7 in 1990-1992 to 80.5 in 2014-2016 (Figure 7). For Pennsylvania, the percentage rose from 79.2 to 87.4.

Figure 7. Percent of Live Births to Non-Smoking Mothers, 1990-1992 to 2014-2016

