Indiana

Maternal and Child Health
Outcomes and Performance Measures

DATA BOOK

State and selected county data

2004-2013

Indiana State
Department of Health

Indiana Maternal and Child Health Outcomes and Performance Measures Data Book
State and Selected County Data, 2004 – 2013

Indiana State Department of Health
Health and Human Services Commission
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Glossary of Terms

Appendix

Preface

The Indiana Maternal and Child Health Outcomes and Performance Measures Data Book, 2004 – 2013, provides a summary of data relating to pregnancy, birth, and mortality in Indiana and selected counties for the years 2004 – 2013.

Information for this report was obtained from birth and death certificates filed with the Indiana State Department of Health (ISDH) and from transcripts of original certificates for Indiana residents giving birth or dying in other states. The ISDH Maternal and Child Health Epidemiology Division in collaboration with the ISDH Epidemiology Resource (ERC) Data Analysis Team compiled these data to produce this report.

Indiana began using the 2003 U.S. Standard Certificate of Live Birth (the 2003 "revised" certificate) on January 1, 2007. Although much of the information collected from the mother remained the same, some questions were rephrased or the information gathered in a different manner. This resulted in significant changes to some variables. The major variables that were affected in this report were the month prenatal care began and smoking during pregnancy. **Data on prenatal care and tobacco use for the years 2007 and later are not considered comparable to prior years due to the significant changes in wording on the certificates.** These changes are detailed below:

Prenatal Care: The month prenatal care began has been changed from a box asking for the month of pregnancy in which prenatal care began to questions asking for the date of last normal menses and the date of the first prenatal visit. The month prenatal care began was then calculated from these two variables. If the day of the month was unknown, the day of the month was imputed using a program that the National Center for Health Statistics (NCHS) developed. NCHS observed a decrease in the percent of mothers receiving care in the first month for all states that adopted the revised certificate, and it is considered to be the result of better reporting.

Adequacy of Prenatal Care Utilization (Kotelchuck Index): The data for 2007 and later are not comparable with data from previous years. The percent of women beginning prenatal care in the first trimester decreased from 2006 to 2007 because of the change in the question(s) asked (please see above). Since this variable is central to the calculation of the Kotelchuck Index, the Index is likewise affected.

Tobacco Use: Prior to 2007, the question was asked "Did mother smoke during pregnancy?" Depending on the response, the facility would check one of the following boxes: Yes, No, or Unknown. Beginning in 2007, more detailed information was collected – the average number of cigarettes (or packs of cigarettes) that were smoked during the three months prior to becoming pregnant, the first three months of pregnancy, the second three months of pregnancy, and the last trimester of pregnancy. If the mother smoked at *any time during her pregnancy*, she was considered to be a smoker for this report. This is consistent with NCHS practice.

Preterm Birth: In this 2004 – 2013 MCH Outcomes report, the obstetrical estimate of gestation (clinical estimate of gestation) is used to calculate the preterm birth rates. The preterm data in this report are

comparable to the preterm data in the 1997 - 2006 MCH Outcomes report and prior reports and in all Natality Reports. The preterm birth rates in this report are *not* comparable with the preterm data in MCH Outcomes reports for 1998 – 2007 through 2002 – 2011. Those reports used the calculated gestation based on the last menstrual period to determine preterm births. The preterm birth rates in this report are *not* comparable to preterm birth data provided by the March of Dimes and NCHS.

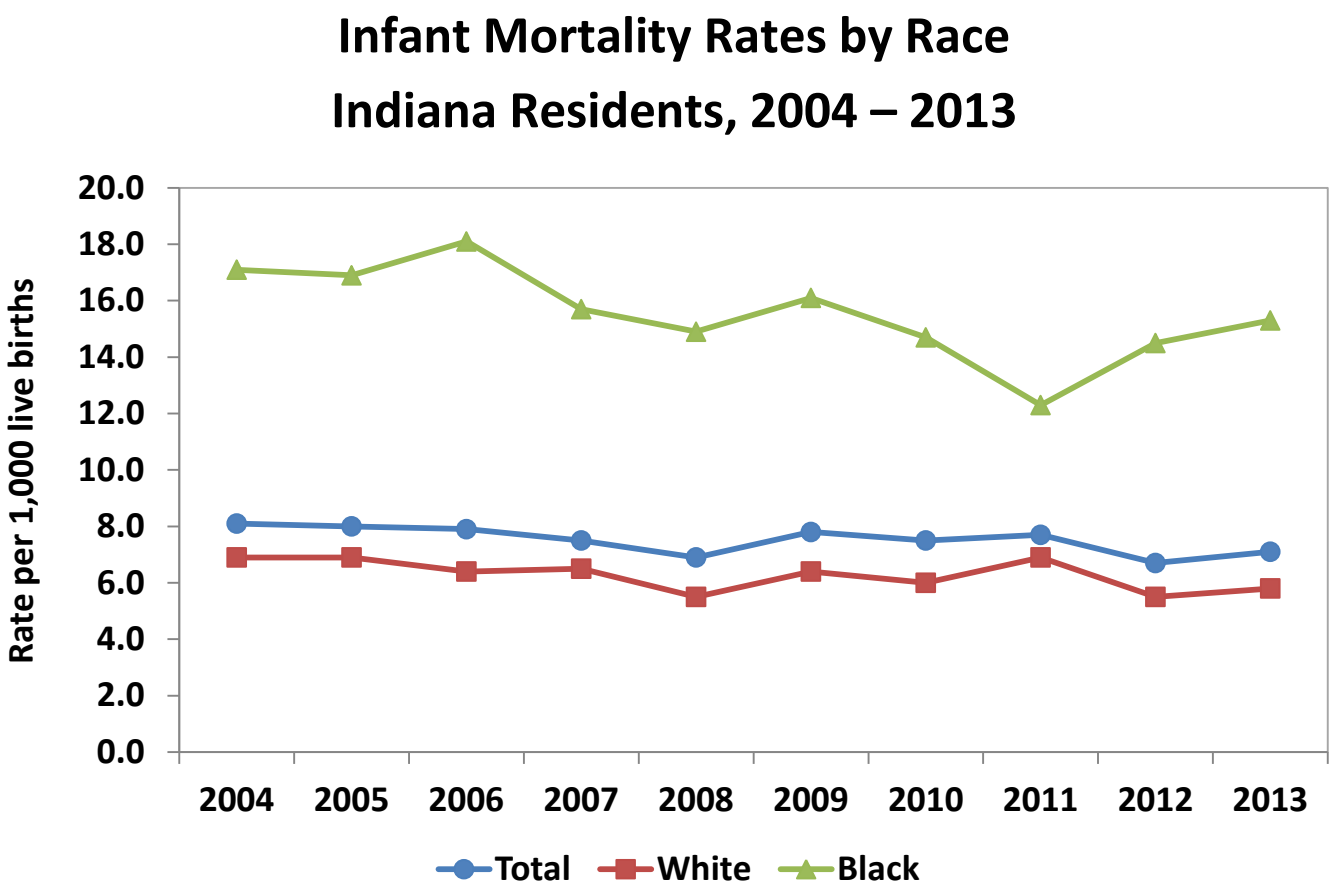
Maternal Mortality: Prior to 2008, the question was asked "Was the decedent pregnant or 90 days postpartum?" and the response was a yes or no. Beginning in 2008, more detailed information was collected for females. The check boxes are as follows: pregnant at time of death; not pregnant within past year; not pregnant, but pregnant within 42 days of death; not pregnant, but pregnant 43 days to 1 year before death; and unknown if pregnant within the past year.

Race of Mother and Father: Indiana now uses the 1997 Office of Management and Budget (OMB) standards for collecting data on race and ethnicity. Beginning with the 2007 birth certificate, the mother and father could check more than one box for race. All racial and ethnicity information is now sent to NCHS, which imputes a single ("bridged") race to the mother and father based on the combination of races, Hispanic origin, sex, and age. This "bridged" race is what is used in this report.

The relationship between the two OMB standards and the terms used to report race and ethnicity in this report are as follows:

Race		
1997 OMB Standards (Current)	1977 OMB Standards (Pre-2007)	This Report
American Indian or Alaska Native	American Indian or Alaska Native	Included in Other
Asian	Asian or Pacific Islander	Included in Other
Black or African American	Black	Black
Native Hawaiian or Other Pacific Islander	Asian or Pacific Islander	Included in Other
White	White	White

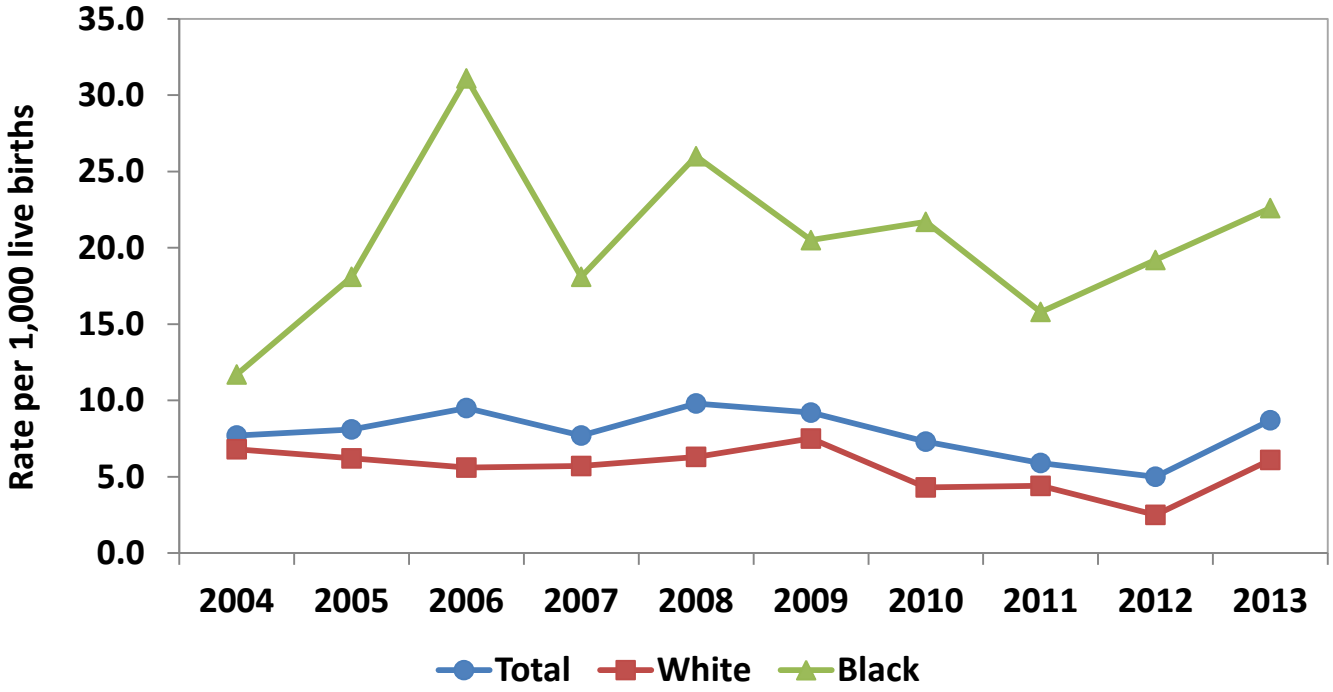
Ethnicity		
1997 OMB Standards (Current)	1977 OMB Standards (Pre-2007)	This Report
Hispanic or Latino	Hispanic	Hispanic
Not Hispanic or Latino	Non-Hispanic	Non-Hispanic



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	8.1	8.0	7.9	7.5	6.9	7.8	7.5	7.7	6.7	7.1
White	6.9	6.9	6.4	6.5	5.5	6.4	6.0	6.9	5.5	5.8
Black	17.1	16.9	18.1	15.7	14.9	16.1	14.7	12.3	14.5	15.3

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

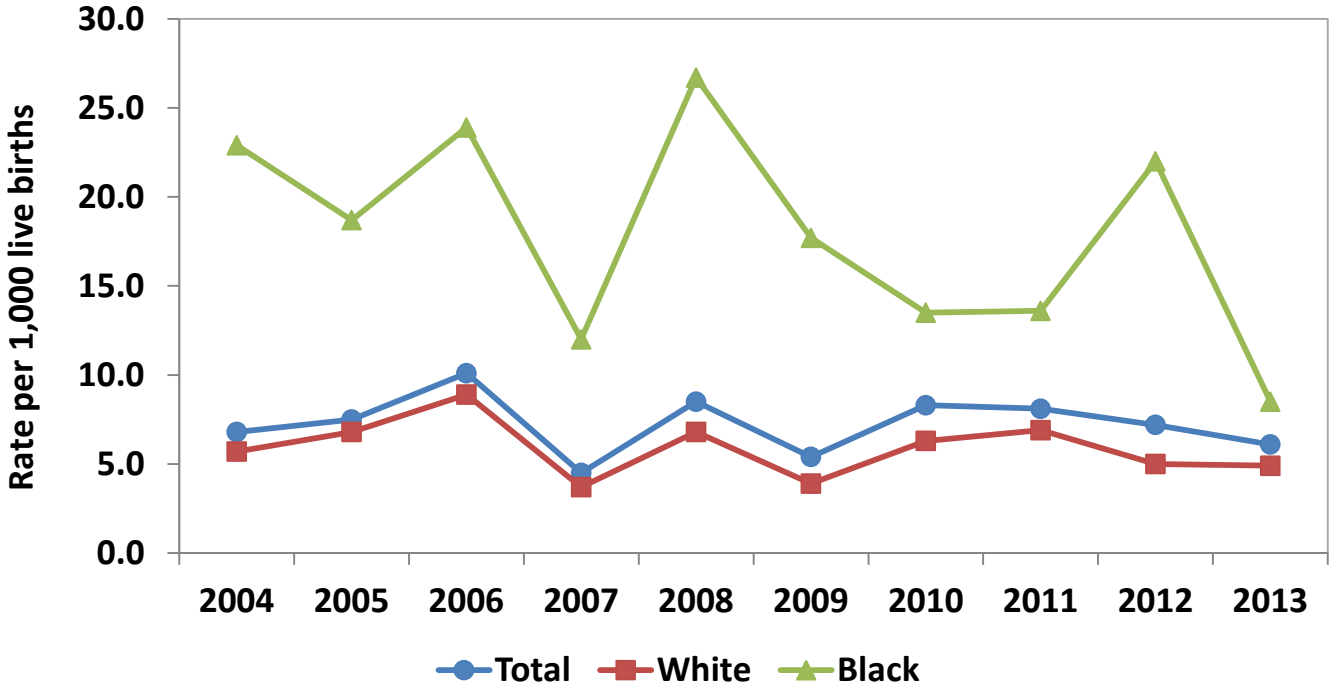
Infant Mortality Rates by Race
Allen County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	7.7	8.1	9.5	7.7	9.8	9.2	7.3	5.9	5.0	8.7
White	6.8	6.2	5.6	5.7	6.3	7.5	4.3*	4.4*	2.5*	6.1
Black	11.7*	18.1*	31.1	18.1*	26.0	20.5*	21.7*	15.8*	19.2*	22.6*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

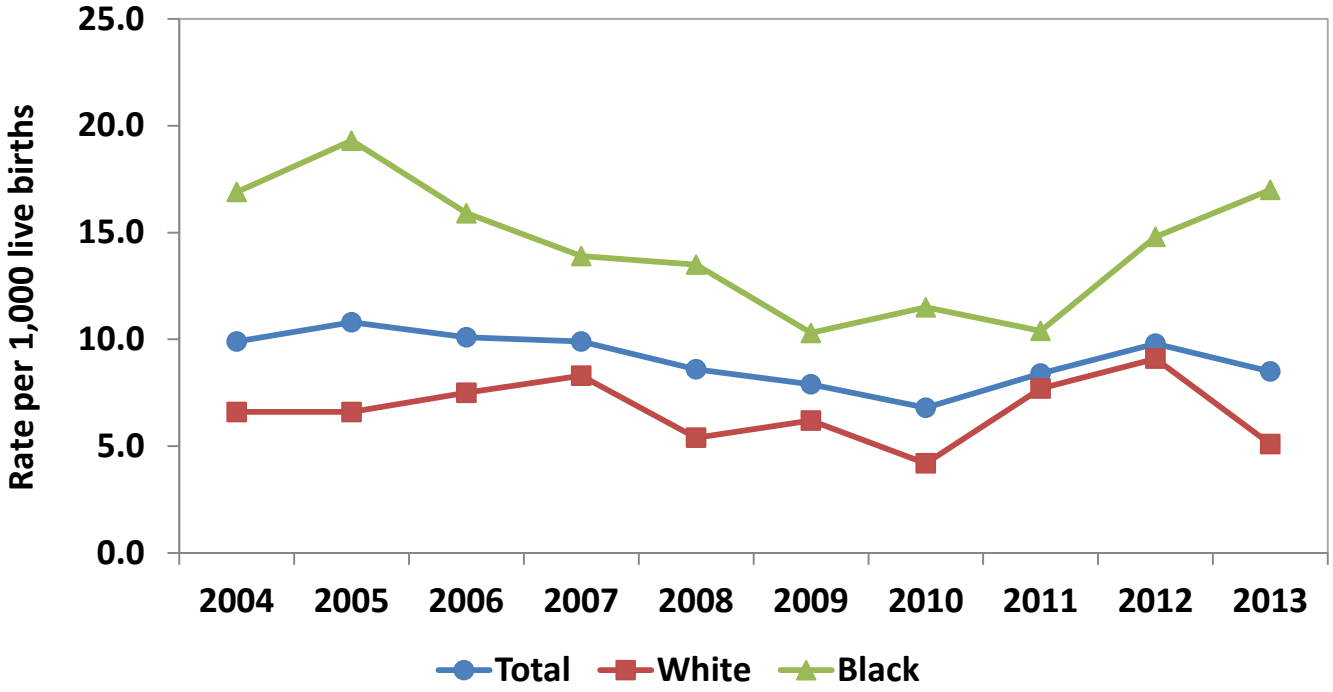
Infant Mortality Rates by Race
Elkhart County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	6.8	7.5	10.1	4.5*	8.5	5.4*	8.3	8.1	7.2	6.1*
White	5.7*	6.8	8.9	3.7*	6.8	3.9*	6.3*	6.9*	5.0*	4.9*
Black	22.9*	18.7*	23.9*	12.0*	26.7*	17.7*	13.5*	13.6*	22.0*	8.5*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

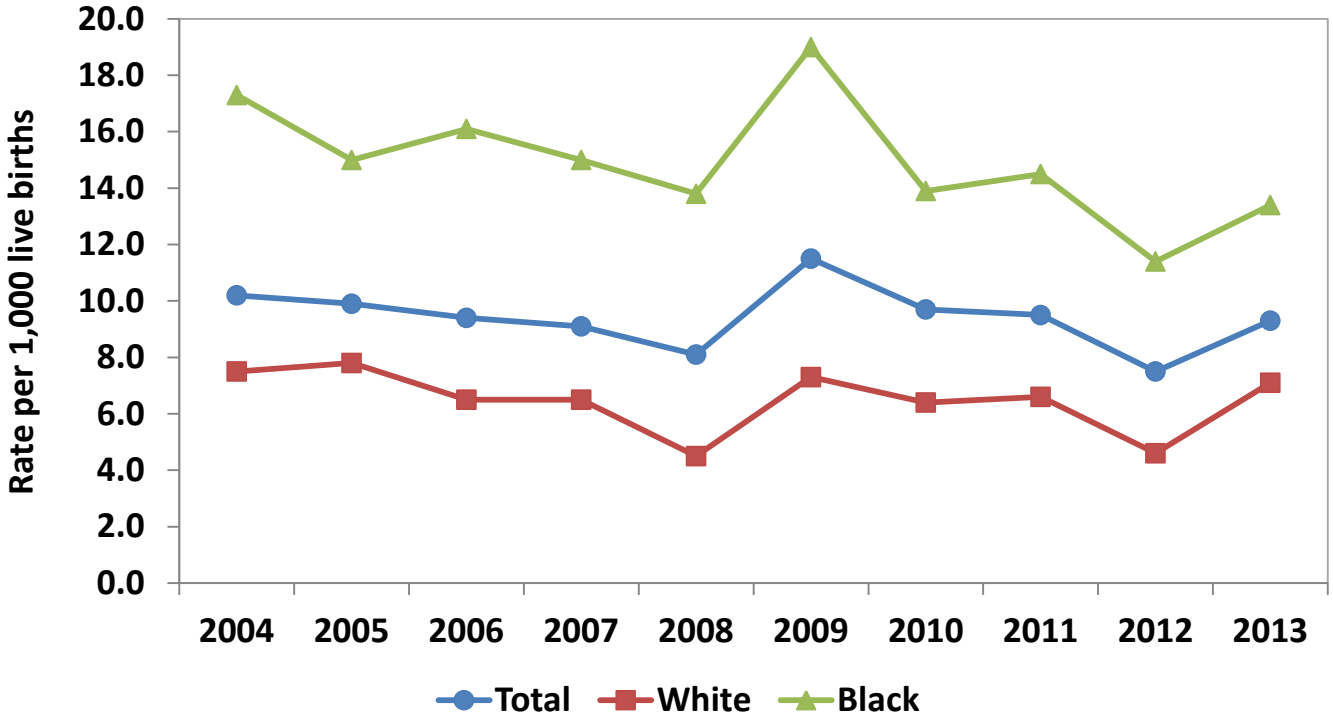
Infant Mortality Rates by Race
Lake County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	9.9	10.8	10.1	9.9	8.6	7.9	6.8	8.4	9.8	8.5
White	6.6	6.6	7.5	8.3	5.4	6.2	4.2*	7.7	9.1	5.1*
Black	16.9	19.3	15.9	13.9	13.5	10.3	11.5	10.4	14.8	17.0

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

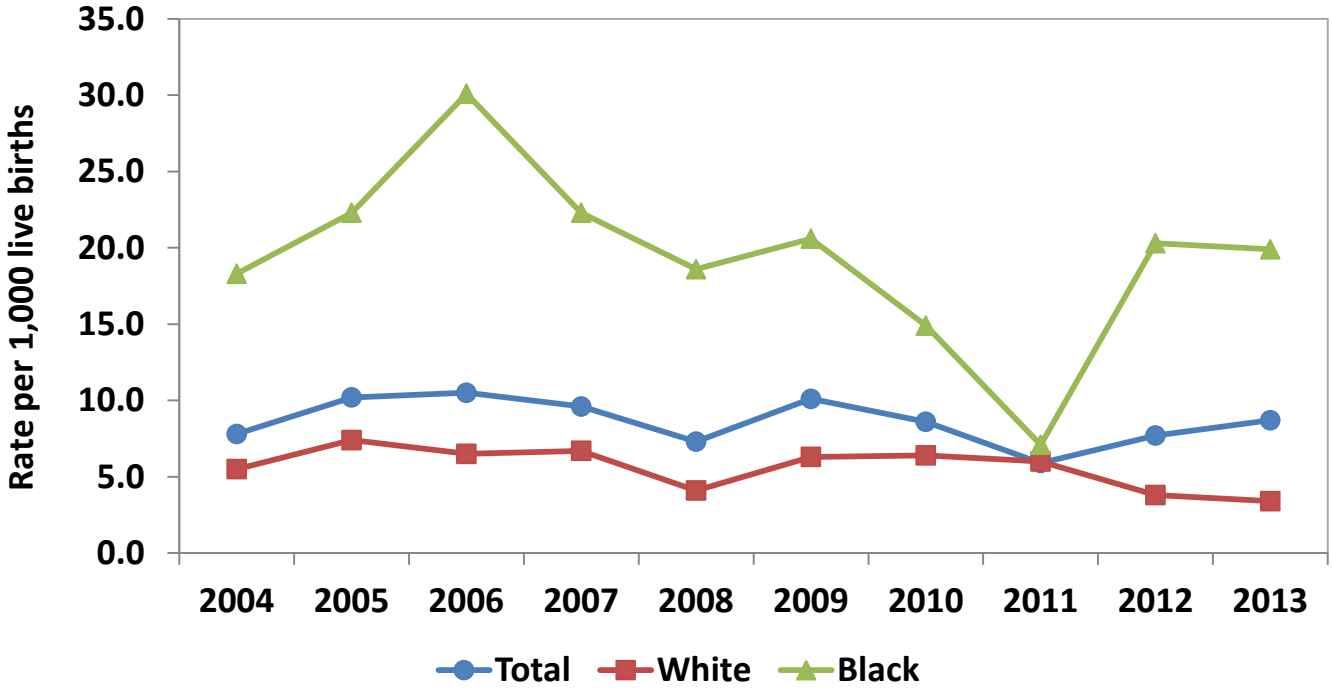
Infant Mortality Rates by Race
Marion County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	10.2	9.9	9.4	9.1	8.1	11.5	9.7	9.5	7.5	9.3
White	7.5	7.8	6.5	6.5	4.5	7.3	6.4	6.6	4.6	7.1
Black	17.3	15.0	16.1	15.0	13.8	19.0	13.9	14.5	11.4	13.4

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

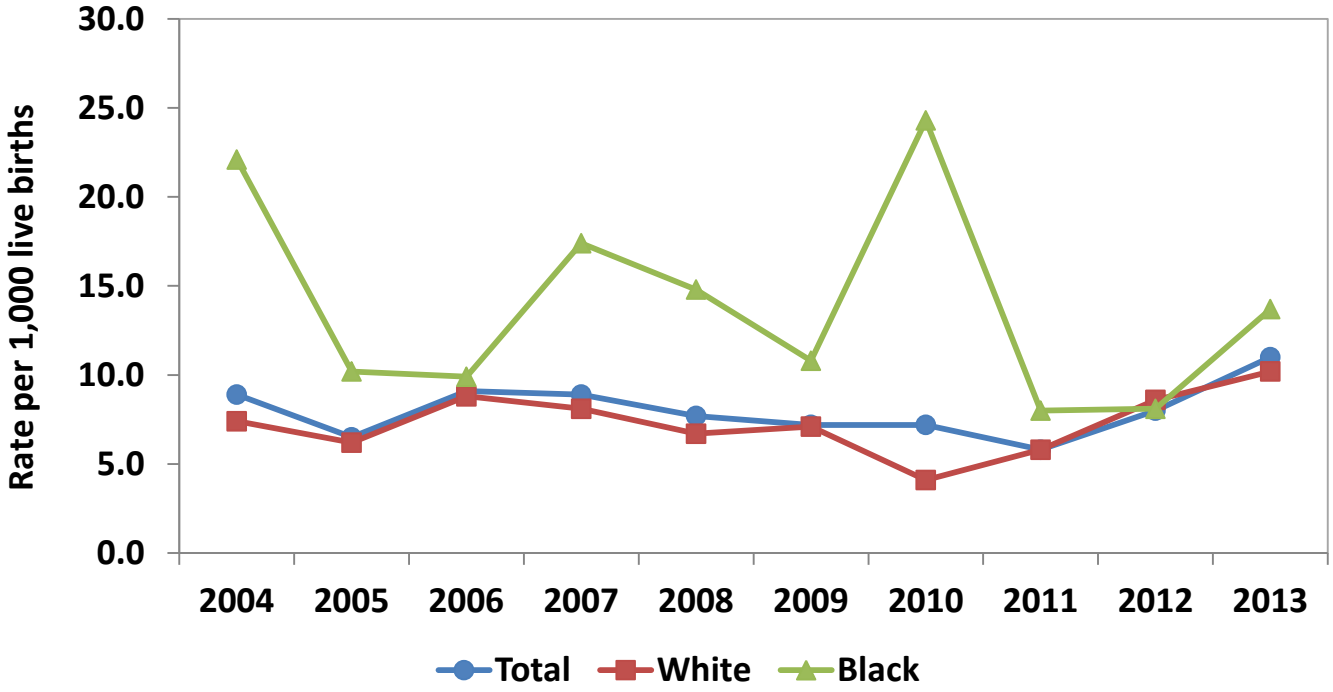
Infant Mortality Rates by Race
St. Joseph County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	7.8	10.2	10.5	9.6	7.3	10.1	8.6	5.9	7.7	8.7
White	5.5*	7.4	6.5	6.7	4.1*	6.3*	6.4*	6.0*	3.8*	3.4*
Black	18.3*	22.3*	30.1	22.3*	18.6*	20.6*	14.9*	7.1*	20.3*	19.9*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Infant Mortality Rates by Race
Vanderburgh County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	8.9	6.5*	9.1	8.9	7.7*	7.2*	7.2*	5.8*	8.0*	11.0
White	7.4*	6.2*	8.8*	8.1*	6.7*	7.1*	4.1*	5.8*	8.6*	10.2*
Black	22.1*	10.2*	9.9*	17.4*	14.8*	10.8*	24.3*	8.0*	8.1*	13.7*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Infant Mortality by Race for Six Urban Counties and Ratio of Black to White Mortality Rates
Indiana Residents, 2004 – 2013

	2004		2005		2006		2007		2008		2009		2010		2011		2012		2013	
	Number	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***
INDIANA	702	8.1	699	8.0	702	7.9	677	7.5	616	6.9	675	7.8	630	7.5	643	7.7	556	6.7	594	7.1
White	522	6.9	519	6.9	495	6.4	499	6.5	409	5.5	458	6.4	420	6.0	479	6.9	371	5.5	393	5.8
Black	164	17.1	166	16.9	188	18.1	162	15.7	156	14.9	164	16.1	148	14.7	122	12.3	146	14.5	153	15.3
Ratio		2.5		2.4		2.8		2.4		2.7		2.5		2.5		1.8		2.6		2.6
ALL RACES	334	9.1	343	9.4	369	9.7	323	8.6	310	8.4	349	9.5	297	8.4	280	8.0	262	7.5	302	8.8
Allen	41	7.7	43	8.1	52	9.5	42	7.7	54	9.8	50	9.2	39	7.3	31	5.9	26	5.0	44	8.7
Elkhart	22	6.8	26	7.5	36	10.1	16	4.5	29	8.5	17	5.4	25	8.3	24	8.1	22	7.2	18	6.1
Lake	69	9.9	74	10.8	70	10.1	67	9.9	57	8.6	53	7.9	44	6.8	52	8.4	59	9.8	51	8.5
Marion	151	10.2	145	9.9	146	9.4	140	9.1	124	8.1	176	11.5	142	9.7	139	9.5	109	7.5	133	9.3
St. Joseph	30	7.8	39	10.2	42	10.5	36	9.6	28	7.3	36	10.1	30	8.6	21	5.9	27	7.7	31	8.7
Vanderburgh	21	8.9	16	6.5	23	9.1	22	8.9	18	7.7	17	7.2	17	7.2	13	5.8	19	8.0	25	11.0
WHITE	188	6.8	193	7.0	197	7.0	180	6.5	140	5.3	173	6.7	137	5.5	152	6.3	121	5.2	138	6.2
Allen	30	6.8	27	6.2	25	5.6	25	5.7	26	6.3	31	7.5	18	4.3	18	4.4	10	2.5	23	6.1
Elkhart	17	5.7	22	6.8	29	8.9	12	3.7	21	6.8	11	3.9	17	6.3	18	6.9	13	5.0	12	4.9
Lake	31	6.6	30	6.6	34	7.5	37	8.3	22	5.4	26	6.2	17	4.2	28	7.7	31	9.1	18	5.1
Marion	78	7.5	79	7.8	69	6.5	69	6.5	46	4.5	74	7.3	60	6.4	61	6.6	40	4.6	57	7.1
St. Joseph	17	5.5	22	7.4	21	6.5	20	6.7	12	4.1	17	6.3	17	6.4	16	6.0	10	3.8	9	3.4
Vanderburgh	15	7.4	13	6.2	19	8.8	17	8.1	13	6.7	14	7.1	8	4.1	11	5.8	17	8.6	19	10.2
BLACK	140	17.0	142	17.0	165	18.6	135	15.6	140	15.8	144	16.8	124	14.5	106	12.8	116	13.9	129	15.5
Allen	9	11.7	14	18.1	27	31.1	16	18.1	24	26.0	18	20.5	18	21.7	13	15.8	16	19.2	18	22.6
Elkhart	5	22.9	**	18.7	6	23.9	**	12.0	7	26.7	**	17.7	**	13.5	**	13.6	5	22.0	**	8.5
Lake	37	16.9	43	19.3	36	15.9	30	13.9	30	13.5	22	10.3	24	11.5	20	10.4	28	14.8	32	17.0
Marion	71	17.3	62	15.0	72	16.1	66	15.0	61	13.8	83	19.0	62	13.9	63	14.5	51	11.4	59	13.4
St. Joseph	12	18.3	16	22.3	21	30.1	15	22.3	14	18.6	14	20.6	10	14.9	5	7.1	14	20.3	14	19.9
Vanderburgh	6	22.1	**	10.2	**	9.9	5	17.4	**	14.8	**	10.8	7	24.3	**	8.0	**	8.1	**	13.7
RATIO																				
Allen		1.7		2.9		5.6		3.2		4.1		2.7		5.0		3.6		7.7		3.7
Elkhart		4.0		2.8		2.7		3.2		3.9		4.5		2.1		2.0		4.4		1.7
Lake		2.6		2.9		2.1		1.7		2.5		1.7		2.7		1.4		1.6		3.3
Marion		2.3		1.9		2.5		2.3		3.1		2.6		2.2		2.2		2.5		1.9
St. Joseph		3.3		3.0		4.6		3.3		4.5		3.3		2.3		1.2		5.3		5.9
Vanderburgh		3.0		1.6		1.1		2.1		2.2		1.5		5.9		1.4		0.9		1.3

Rate per 1,000 live births.

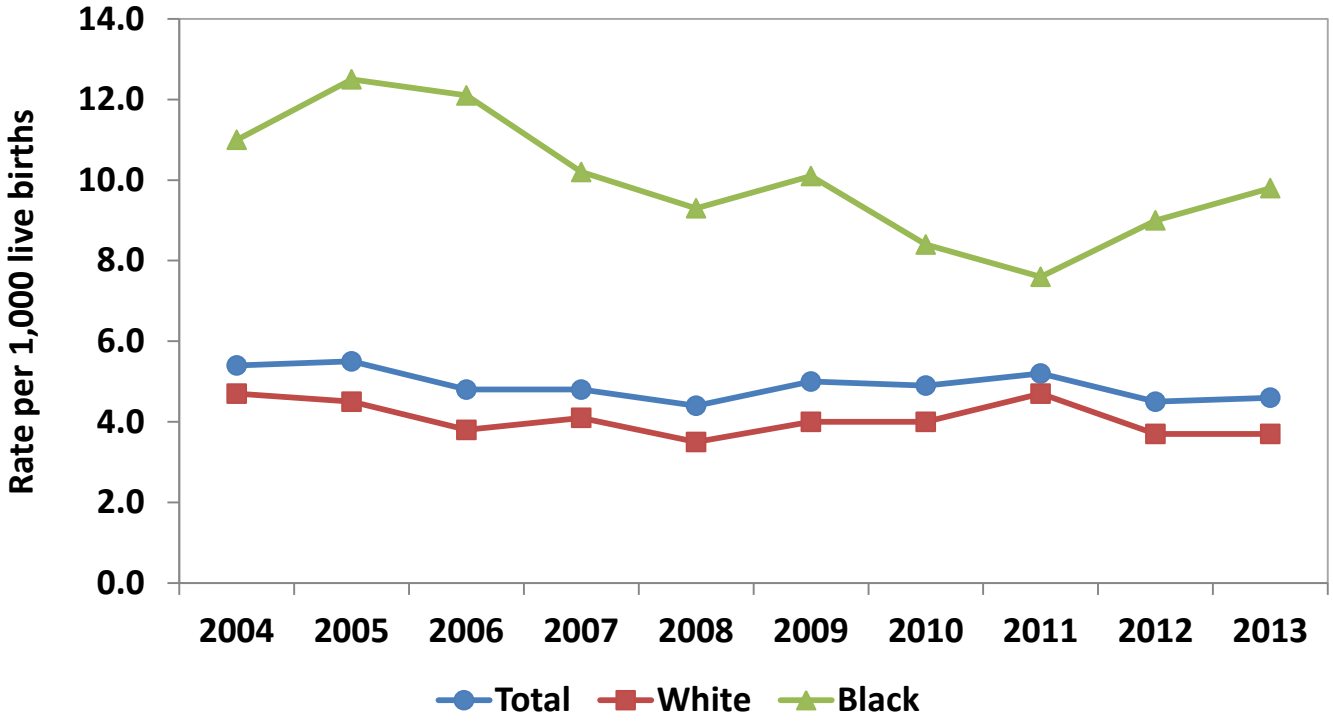
**<5 deaths are suppressed, includes zero values

Shaded Area: Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

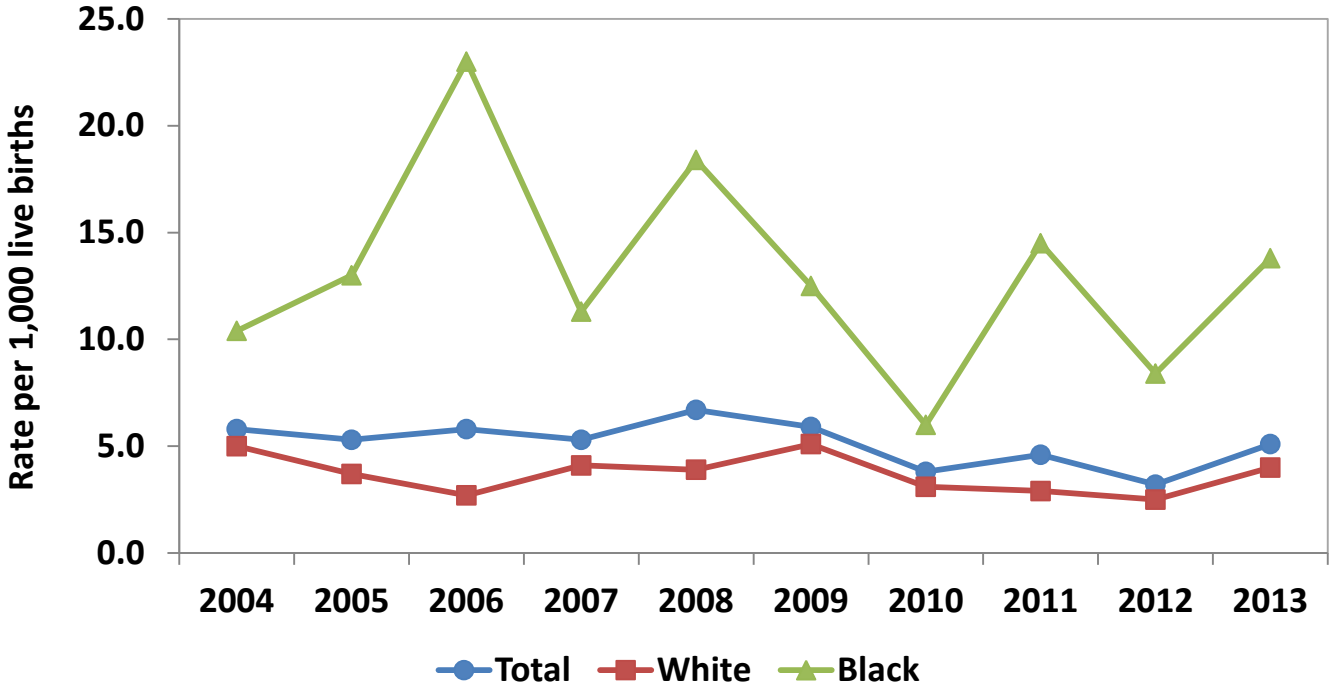
Neonatal Mortality Rates by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	5.4	5.5	4.8	4.8	4.4	5.0	4.9	5.2	4.5	4.6
White	4.7	4.5	3.8	4.1	3.5	4.0	4.0	4.7	3.7	3.7
Black	11.0	12.5	12.1	10.2	9.3	10.1	8.4	7.6	9.0	9.8

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

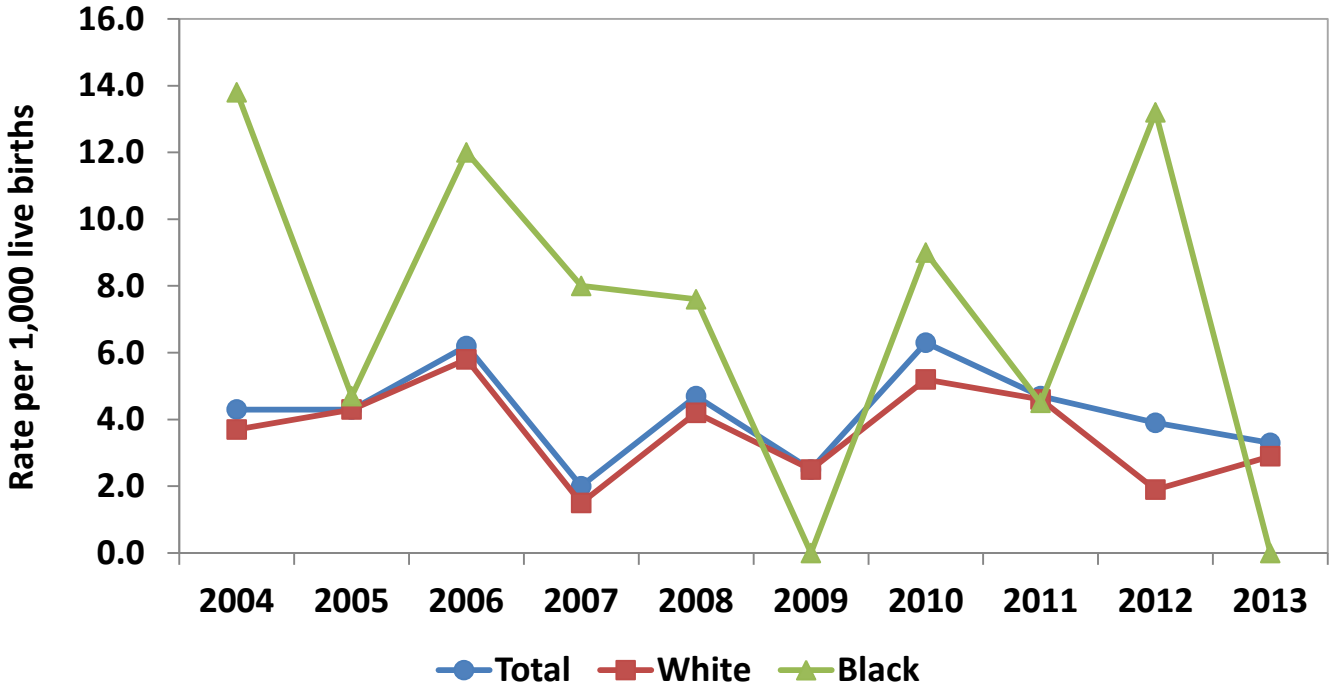
Neonatal Mortality Rates by Race
Allen County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	5.8	5.3	5.8	5.3	6.7	5.9	3.8	4.6	3.2*	5.1
White	5.0	3.7*	2.7*	4.1*	3.9*	5.1	3.1*	2.9*	2.5*	4.0*
Black	10.4*	13.0*	23.0	11.3*	18.4*	12.5*	6.0*	14.5*	8.4*	13.8*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

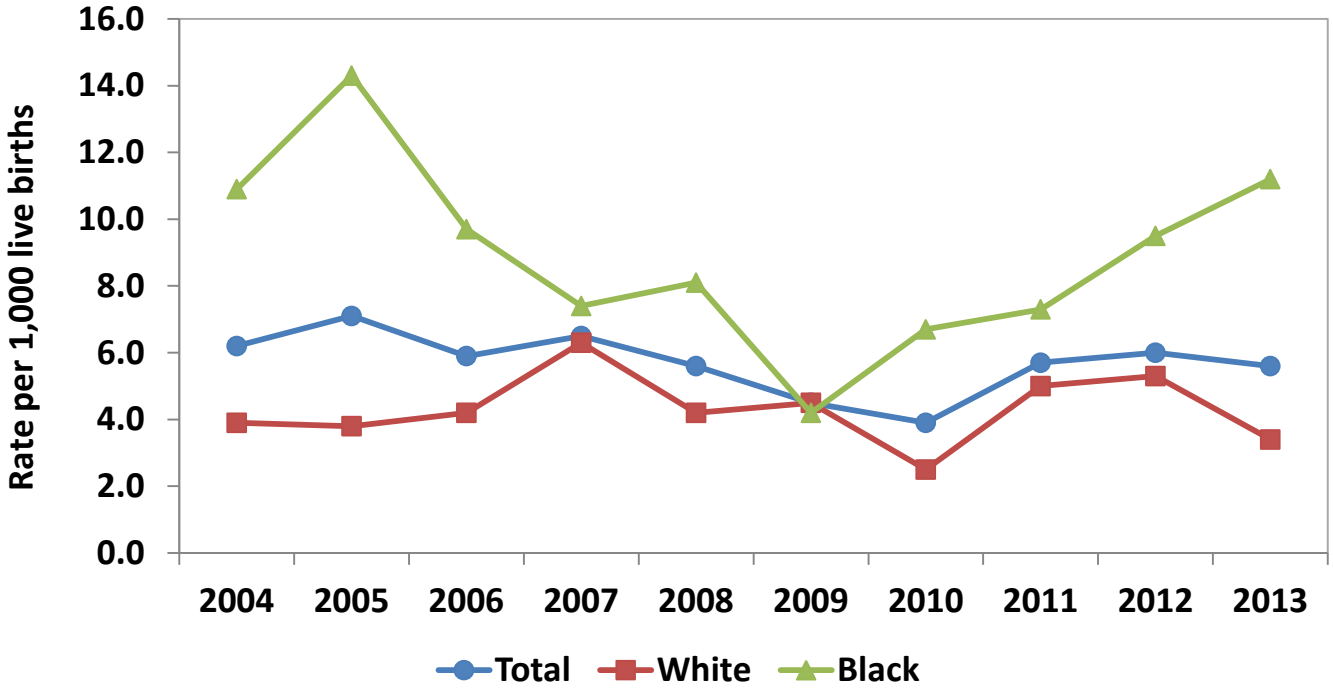
Neonatal Mortality Rates by Race
Elkhart County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	4.3*	4.3*	6.2	2.0*	4.7*	2.5*	6.3*	4.7*	3.9*	3.3*
White	3.7*	4.3*	5.8*	1.5*	4.2*	2.5*	5.2*	4.6*	1.9*	2.9*
Black	13.8*	4.7*	12.0*	8.0*	7.6*	0.0*	9.0*	4.5*	13.2*	0.0*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

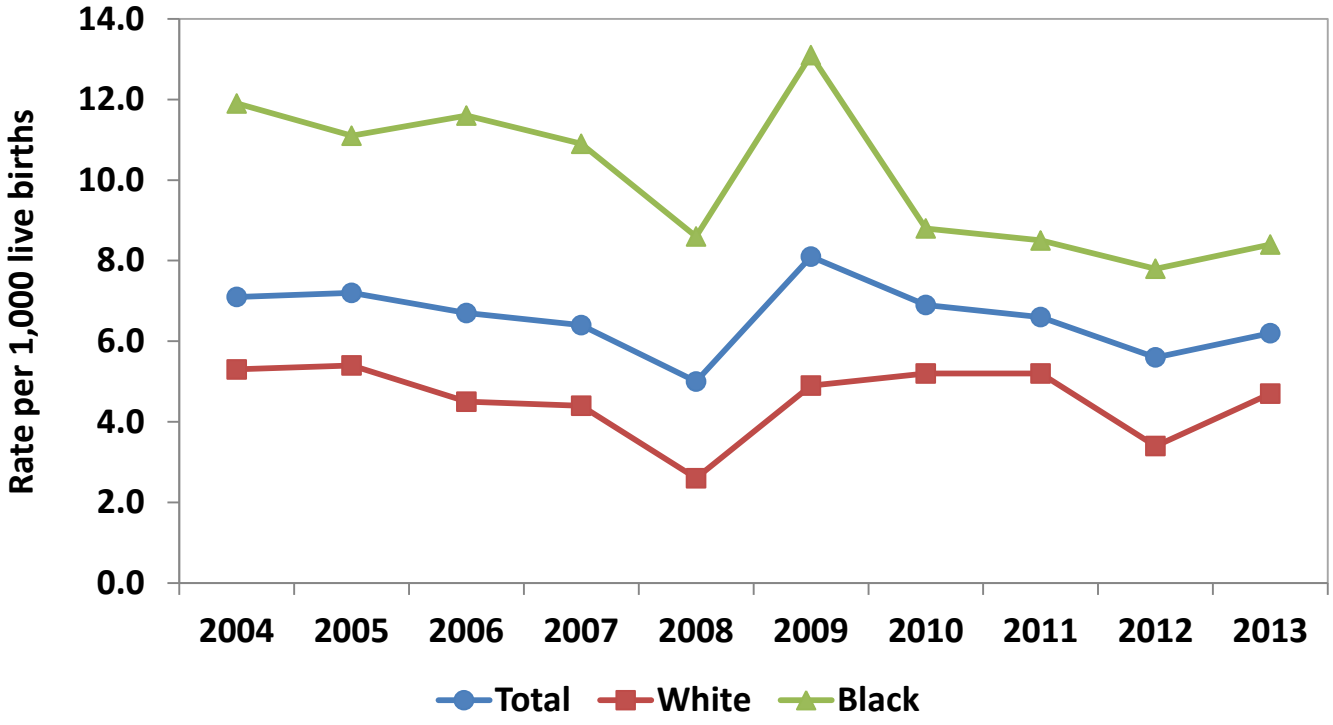
Neonatal Mortality Rates by Race
Lake County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	6.2	7.1	5.9	6.5	5.6	4.5	3.9	5.7	6.0	5.6
White	3.9*	3.8*	4.2*	6.3	4.2*	4.5*	2.5*	5.0*	5.3*	3.4*
Black	10.9	14.3	9.7	7.4*	8.1*	4.2*	6.7*	7.3*	9.5*	11.2

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

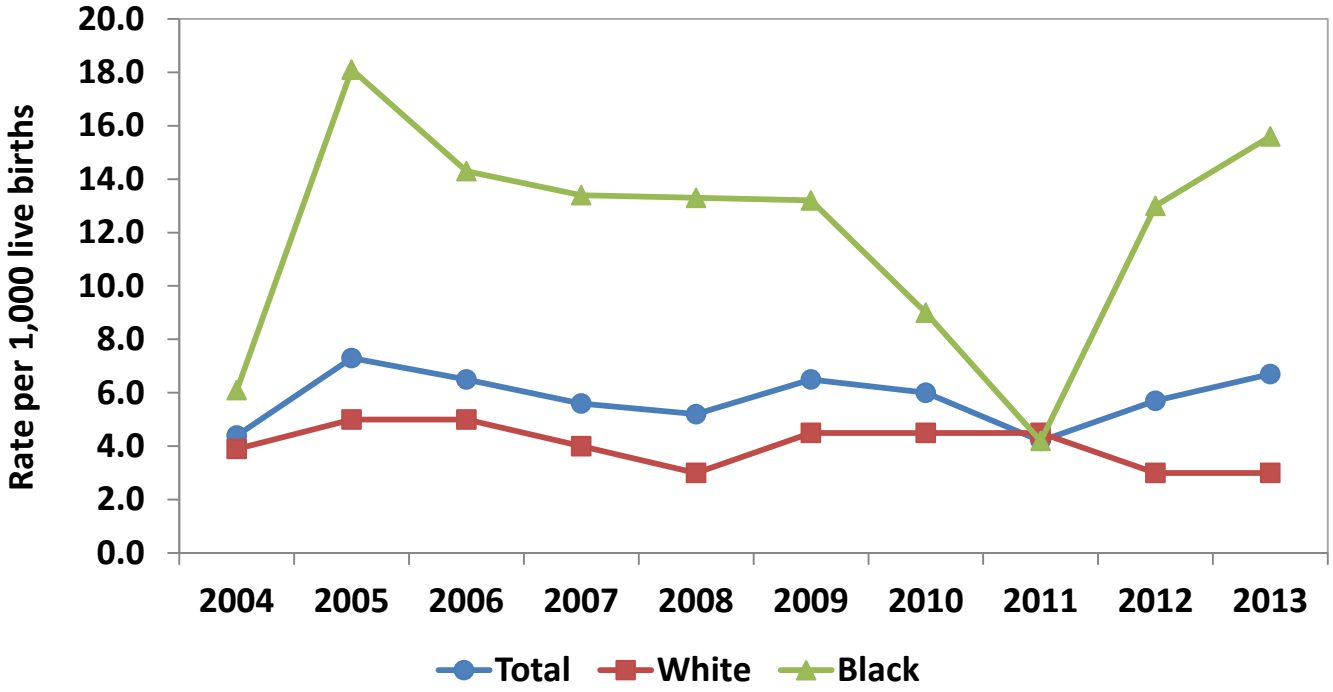
Neonatal Mortality Rates by Race
Marion County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	7.1	7.2	6.7	6.4	5.0	8.1	6.9	6.6	5.6	6.2
White	5.3	5.4	4.5	4.4	2.6	4.9	5.2	5.2	3.4	4.7
Black	11.9	11.1	11.6	10.9	8.6	13.1	8.8	8.5	7.8	8.4

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

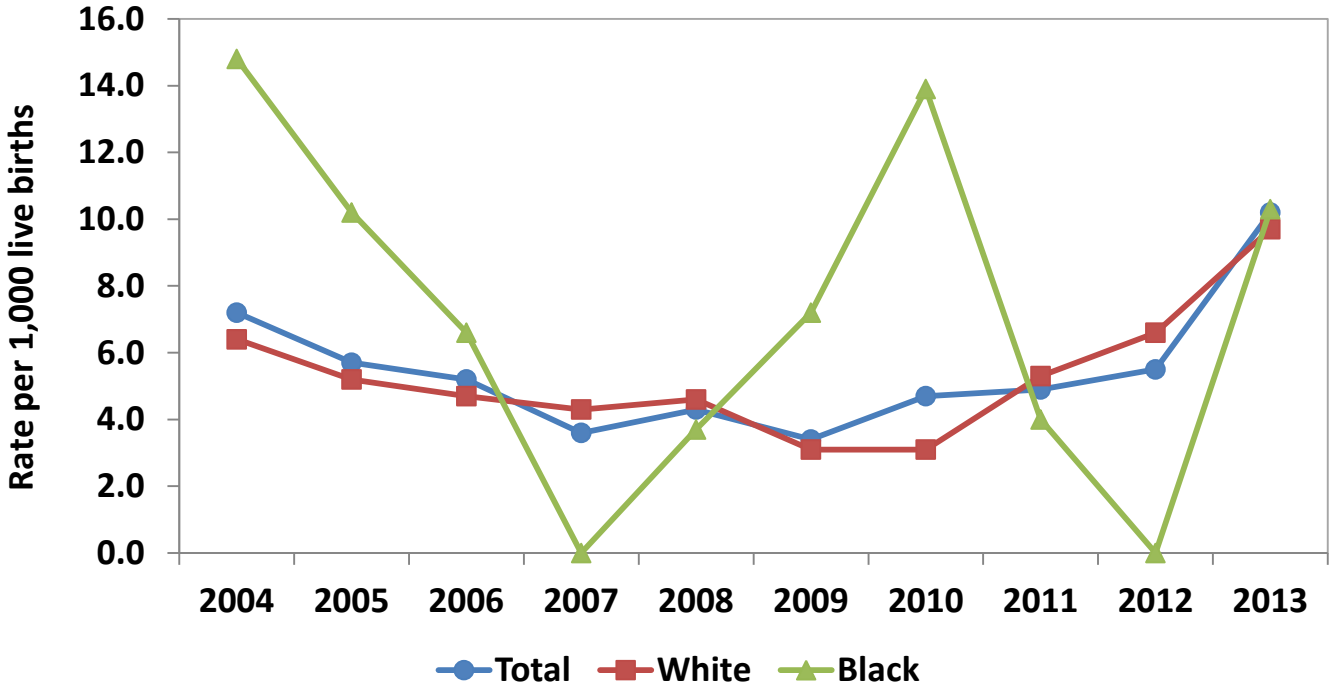
Neonatal Mortality Rates by Race
St. Joseph County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	4.4*	7.3	6.5	5.6	5.2	6.5	6.0	4.2*	5.7	6.7
White	3.9*	5.0*	5.0*	4.0*	3.0*	4.5*	4.5*	4.5*	3.0*	3.0*
Black	6.1*	18.1*	14.3*	13.4*	13.3*	13.2*	9.0*	4.2*	13.0*	15.6*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Neonatal Mortality Rates by Race
Vanderburgh County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	7.2*	5.7*	5.2*	3.6*	4.3*	3.4*	4.7*	4.9*	5.5*	10.2
White	6.4*	5.2*	4.7*	4.3*	4.6*	3.1*	3.1*	5.3*	6.6*	9.7*
Black	14.8*	10.2*	6.6*	0.0*	3.7*	7.2*	13.9*	4.0*	0.0*	10.3*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Neonatal Mortality by Race for Six Urban Counties and Ratio of Black to White Mortality Rates
Indiana Residents, 2004 – 2013

	2004		2005		2006		2007		2008		2009		2010		2011		2012		2013	
	Number	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***
INDIANA	472	5.4	475	5.5	433	4.8	428	4.8	387	4.4	428	5.0	407	4.9	435	5.2	371	4.5	381	4.6
White	354	4.7	343	4.5	296	3.8	313	4.1	258	3.5	290	4.0	282	4.0	327	4.7	250	3.7	248	3.7
Black	105	11.0	123	12.5	126	12.1	105	10.2	98	9.3	103	10.1	84	8.4	75	7.6	90	9.0	98	9.8
Ratio		2.3		2.8		3.2		2.5		2.7		2.5		2.1		1.6		2.4		2.6
ALL RACES	228	6.2	239	6.5	238	6.3	208	5.6	196	5.3	225	6.1	196	5.6	195	5.6	179	5.2	205	6.0
Allen	31	5.8	28	5.3	32	5.8	29	5.3	37	6.7	32	5.9	20	3.8	24	4.6	17	3.2	26	5.1
Elkhart	14	4.3	15	4.3	22	6.2	7	2.0	16	4.7	8	2.5	19	6.3	14	4.7	12	3.9	10	3.4
Lake	43	6.2	49	7.1	41	5.9	44	6.5	37	5.6	30	4.5	25	3.9	35	5.7	36	6.0	34	5.6
Marion	106	7.1	105	7.2	104	6.7	98	6.4	76	5.0	124	8.1	100	6.9	96	6.6	81	5.6	88	6.2
St. Joseph	17	4.4	28	7.3	26	6.5	21	5.6	20	5.2	23	6.5	21	6.0	15	4.2	20	5.7	24	6.7
Vanderburgh	17	7.2	14	5.7	13	5.2	9	3.6	10	4.3	8	3.4	11	4.7	11	4.9	13	5.5	23	10.2
WHITE	131	4.8	128	4.7	124	4.4	118	4.3	90	3.4	115	4.4	103	4.2	112	4.6	84	3.6	98	4.4
Allen	22	5.0	16	3.7	12	2.7	18	4.1	16	3.9	21	5.1	13	3.1	12	2.9	10	2.5	15	4.0
Elkhart	11	3.7	14	4.3	19	5.8	5	1.5	13	4.2	7	2.5	14	5.2	12	4.6	5	1.9	7	2.9
Lake	18	3.9	17	3.8	19	4.2	28	6.3	17	4.2	19	4.5	10	2.5	18	5.0	18	5.3	12	3.4
Marion	55	5.3	55	5.4	48	4.5	46	4.4	26	2.6	50	4.9	48	5.2	48	5.2	30	3.4	38	4.7
St. Joseph	12	3.9	15	5.0	16	5.0	12	4.0	9	3.1	12	4.5	12	4.5	12	4.5	8	3.0	8	3.0
Vanderburgh	13	6.4	11	5.2	10	4.7	9	4.3	9	4.6	6	3.1	6	3.1	10	5.3	13	6.6	18	9.7
BLACK	92	11.2	105	12.6	109	12.3	85	9.8	86	9.7	88	10.3	70	8.2	68	8.2	72	8.6	83	10.0
Allen	8	10.4	10	13.0	20	23.0	10	11.3	17	18.4	11	12.5	5	6.0	12	14.5	7	8.4	11	13.8
Elkhart	**	13.8	**	4.7	**	12.0	**	8.0	**	7.6	**	0.0	**	9.0	**	4.5	**	13.2	**	0.0
Lake	24	10.9	32	14.3	22	9.7	16	7.4	18	8.1	9	4.2	14	6.7	14	7.3	18	9.5	21	11.2
Marion	49	11.9	46	11.1	52	11.6	48	10.9	38	8.6	57	13.1	39	8.8	37	8.5	35	7.8	37	8.4
St. Joseph	**	6.1	13	18.1	10	14.3	9	13.4	10	13.3	9	13.2	6	9.0	**	4.2	9	13.0	11	15.6
Vanderburgh	**	14.8	**	10.2	**	6.6	**	0.0	**	3.7	**	7.2	**	13.9	**	4.0	**	0.0	**	10.3
RATIO																				
Allen		2.1		3.5		8.5		2.8		4.7		2.5		1.9		5.0		3.4		3.5
Elkhart		3.7		1.1		2.1		5.3		1.8		0.0		1.7		1.0		7.0		0.0
Lake		2.8		3.8		2.3		1.2		1.9		0.9		2.7		1.5		1.8		3.3
Marion		2.2		2.1		2.6		2.5		3.3		2.7		1.7		1.6		2.3		1.8
St. Joseph		1.6		3.6		2.9		3.4		4.3		2.9		2.0		0.9		4.3		5.2
Vanderburgh		2.3		2.0		1.4		0.0		0.8		2.3		4.5		0.8		0.0		1.1

Rate per 1,000 live births.

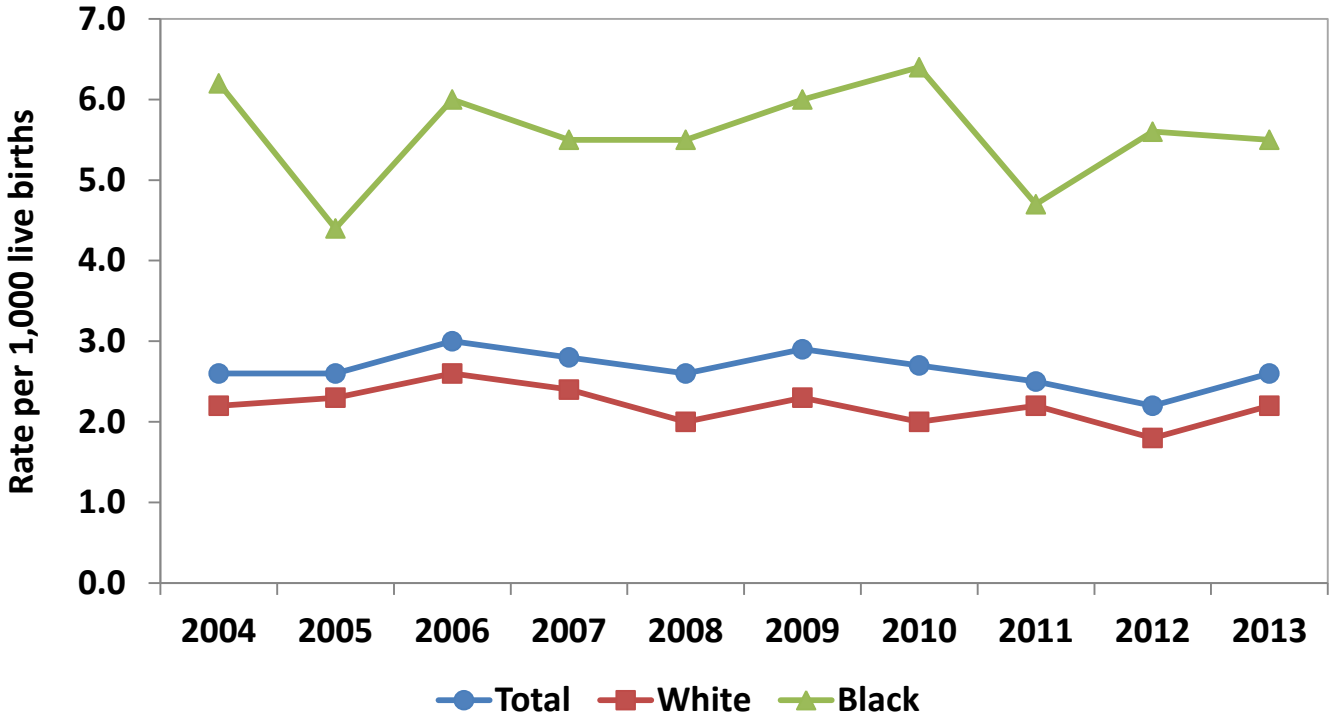
**<5 deaths are suppressed, includes zero values

Shaded Area: Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

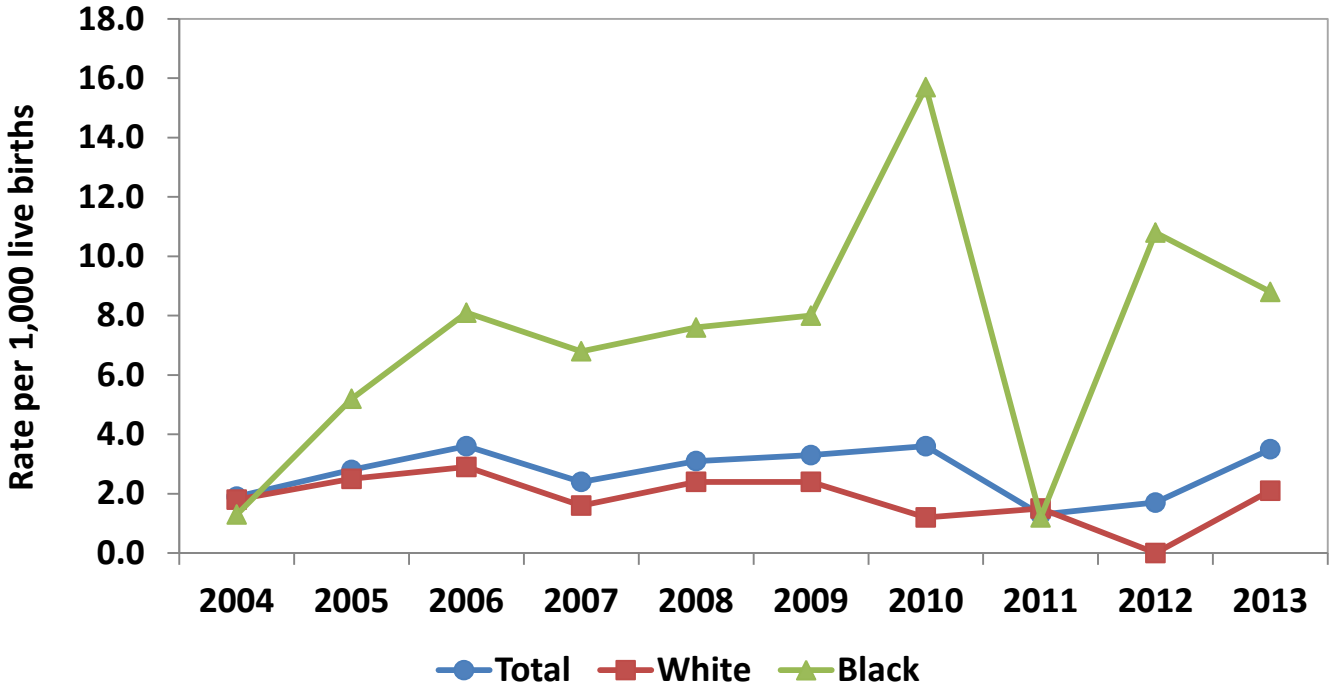
Post-Neonatal Mortality Rates by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	2.6	2.6	3.0	2.8	2.6	2.9	2.7	2.5	2.2	2.6
White	2.2	2.3	2.6	2.4	2.0	2.3	2.0	2.2	1.8	2.2
Black	6.2	4.4	6.0	5.5	5.5	6.0	6.4	4.7	5.6	5.5

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

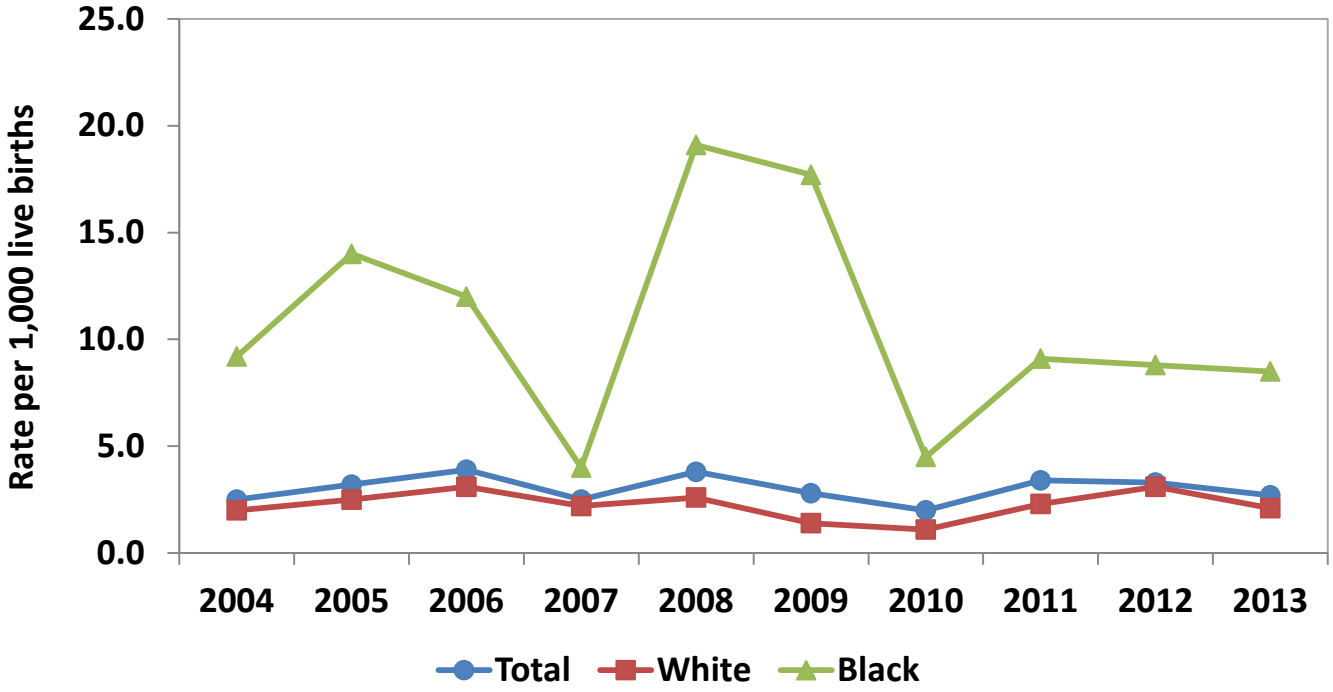
Post-Neonatal Mortality Rates by Race
Allen County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.9*	2.8*	3.6	2.4*	3.1*	3.3*	3.6*	1.3*	1.7*	3.5*
White	1.8*	2.5*	2.9*	1.6*	2.4*	2.4*	1.2*	1.5*	0.0*	2.1*
Black	1.3*	5.2*	8.1*	6.8*	7.6*	8.0*	15.7*	1.2*	10.8*	8.8*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

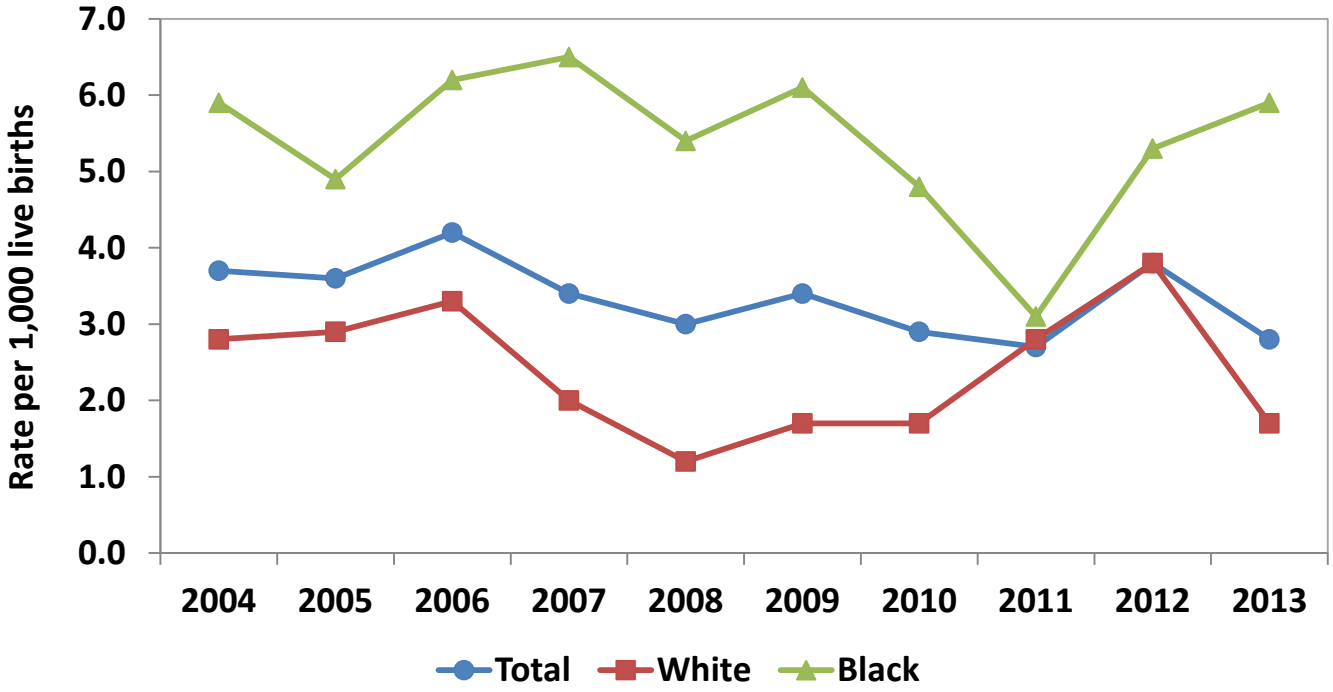
Post-Neonatal Mortality Rates by Race
Elkhart County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	2.5*	3.2*	3.9*	2.5*	3.8*	2.8*	2.0*	3.4*	3.3*	2.7*
White	2.0*	2.5*	3.1*	2.2*	2.6*	1.4*	1.1*	2.3*	3.1*	2.1*
Black	9.2*	14.0*	12.0*	4.0*	19.1*	17.7*	4.5*	9.1*	8.8*	8.5*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

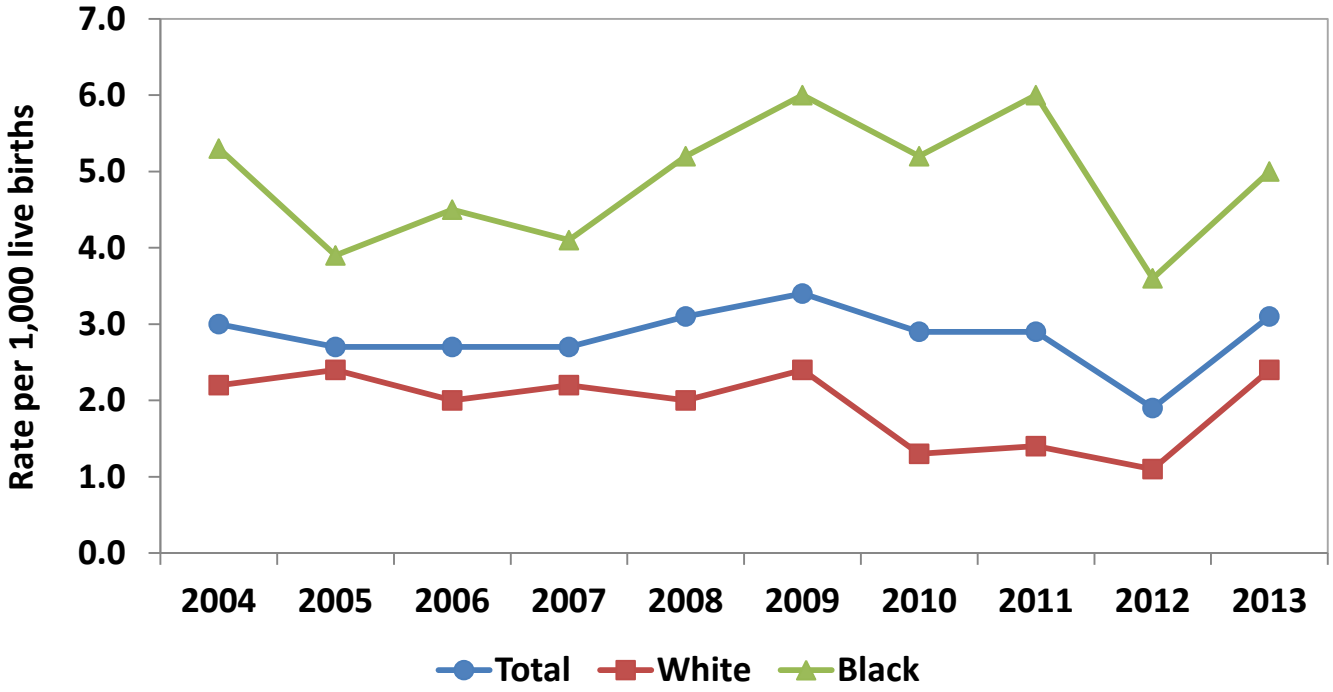
Post-Neonatal Mortality Rates by Race
Lake County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	3.7	3.6	4.2	3.4	3.0	3.4	2.9*	2.7*	3.8	2.8*
White	2.8*	2.9*	3.3*	2.0*	1.2*	1.7*	1.7*	2.8*	3.8*	1.7*
Black	5.9*	4.9*	6.2*	6.5*	5.4*	6.1*	4.8*	3.1*	5.3*	5.9*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

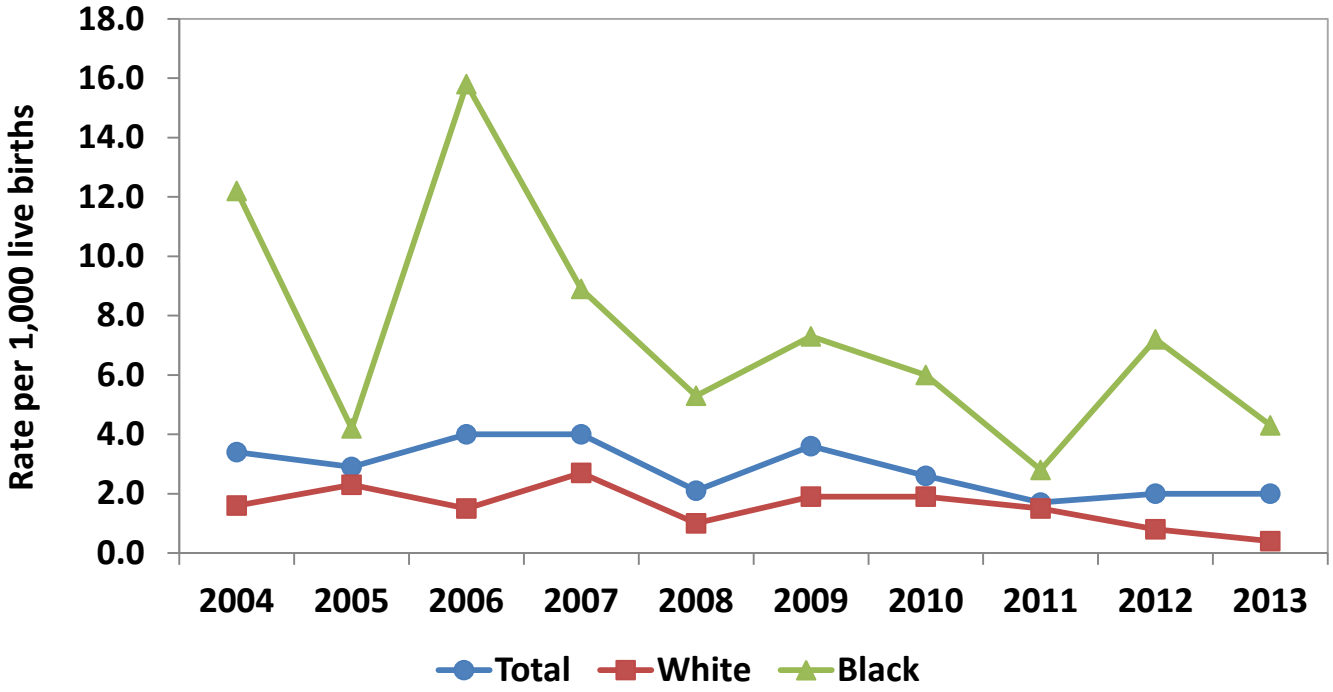
Post-Neonatal Mortality Rates by Race
Marion County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	3.0	2.7	2.7	2.7	3.1	3.4	2.9	2.9	1.9	3.1
White	2.2	2.4	2.0	2.2	2.0	2.4	1.3*	1.4*	1.1*	2.4*
Black	5.3	3.9*	4.5	4.1*	5.2	6.0	5.2	6.0	3.6*	5.0

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

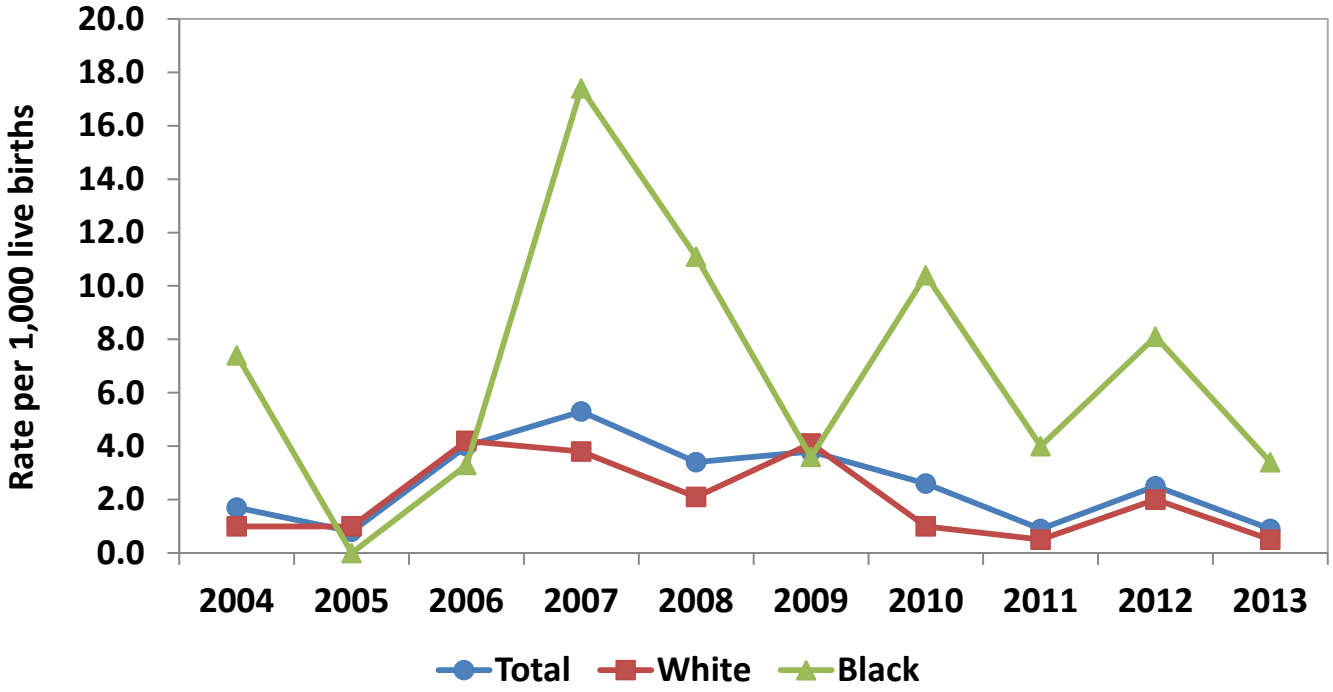
Post-Neonatal Mortality Rates by Race
St. Joseph County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	3.4*	2.9*	4.0*	4.0*	2.1*	3.6*	2.6*	1.7*	2.0*	2.0*
White	1.6*	2.3*	1.5*	2.7*	1.0*	1.9*	1.9*	1.5*	0.8*	0.4*
Black	12.2*	4.2*	15.8*	8.9*	5.3*	7.3*	6.0*	2.8*	7.2*	4.3*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Post-Neonatal Mortality Rates by Race
Vanderburgh County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.7*	0.8*	4.0*	5.3*	3.4*	3.8*	2.6*	0.9*	2.5*	0.9*
White	1.0*	1.0*	4.2*	3.8*	2.1*	4.1*	1.0*	0.5*	2.0*	0.5*
Black	7.4*	0.0*	3.3*	17.4*	11.1*	3.6*	10.4*	4.0*	8.1*	3.4*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Post-Neonatal Mortality by Race for Six Urban Counties and Ratio of Black to White Mortality Rates
Indiana Residents, 2004 – 2013

	2004		2005		2006		2007		2008		2009		2010		2011		2012		2013	
	Number	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***	**Number**	***Rate***
INDIANA	230	2.6	224	2.6	269	3.0	249	2.8	229	2.6	247	2.9	223	2.7	208	2.5	185	2.2	213	2.6
White	168	2.2	176	2.3	199	2.6	186	2.4	151	2.0	168	2.3	138	2.0	152	2.2	121	1.8	145	2.2
Black	59	6.2	43	4.4	62	6.0	57	5.5	58	5.5	61	6.0	64	6.4	47	4.7	56	5.6	55	5.5
Ratio		2.8		1.9		2.3		2.3		2.8		2.6		3.2		2.1		3.1		2.5
ALL RACES	106	2.9	104	2.8	131	3.4	115	3.1	114	3.1	124	3.4	101	2.9	85	2.4	83	2.4	97	2.8
Allen	10	1.9	15	2.8	20	3.6	13	2.4	17	3.1	18	3.3	19	3.6	7	1.3	9	1.7	18	3.5
Elkhart	8	2.5	11	3.2	14	3.9	9	2.5	13	3.8	9	2.8	6	2.0	10	3.4	10	3.3	8	2.7
Lake	26	3.7	25	3.6	29	4.2	23	3.4	20	3.0	23	3.4	19	2.9	17	2.7	23	3.8	17	2.8
Marion	45	3.0	40	2.7	42	2.7	42	2.7	48	3.1	52	3.4	42	2.9	43	2.9	28	1.9	45	3.1
St. Joseph	13	3.4	11	2.9	16	4.0	15	4.0	8	2.1	13	3.6	9	2.6	6	1.7	7	2.0	7	2.0
Vanderburgh	4	1.7	**	0.8	10	4.0	13	5.3	8	3.4	9	3.8	6	2.6	**	0.9	6	2.5	**	0.9
WHITE	57	2.1	65	2.4	73	2.6	62	2.2	50	1.9	58	2.2	34	1.4	40	1.7	37	1.6	40	1.8
Allen	8	1.8	11	2.5	13	2.9	7	1.6	10	2.4	10	2.4	5	1.2	6	1.5	**	0.0	8	2.1
Elkhart	6	2.0	8	2.5	10	3.1	7	2.2	8	2.6	**	1.4	**	1.1	6	2.3	8	3.1	5	2.1
Lake	13	2.8	13	2.9	15	3.3	9	2.0	5	1.2	7	1.7	7	1.7	10	2.8	13	3.8	6	1.7
Marion	23	2.2	24	2.4	21	2.0	23	2.2	20	2.0	24	2.4	12	1.3	13	1.4	10	1.1	19	2.4
St. Joseph	5	1.6	7	2.3	5	1.5	8	2.7	**	1.0	5	1.9	5	1.9	**	1.5	**	0.8	**	0.4
Vanderburgh	**	1.0	**	1.0	9	4.2	8	3.8	**	2.1	8	4.1	**	1.0	**	0.5	4	2.0	**	0.5
BLACK	48	5.8	37	4.4	56	6.3	50	5.8	54	6.1	56	6.5	54	6.3	38	4.6	44	5.3	46	5.5
Allen	**	1.3	**	5.2	7	8.1	6	6.8	7	7.6	7	8.0	13	15.7	**	1.2	9	10.8	7	8.8
Elkhart	**	9.2	**	14.0	**	12.0	**	4.0	5	19.1	**	17.7	**	4.5	**	9.1	**	8.8	**	8.5
Lake	13	5.9	11	4.9	14	6.2	14	6.5	12	5.4	13	6.1	10	4.8	6	3.1	10	5.3	11	5.9
Marion	22	5.3	16	3.9	20	4.5	18	4.1	23	5.2	26	6.0	23	5.2	26	6.0	16	3.6	22	5.0
St. Joseph	8	12.2	**	4.2	11	15.8	6	8.9	**	5.3	5	7.3	**	6.0	**	2.8	5	7.2	**	4.3
Vanderburgh	**	7.4	**	0.0	**	3.3	5	17.4	**	11.1	**	3.6	**	10.4	**	4.0	**	8.1	**	3.4
RATIO																				
Allen		0.7		2.1		2.8		4.3		3.2		3.3		13.1		0.8		N/A		4.2
Elkhart		4.6		5.6		3.9		1.8		7.3		12.6		4.1		4.0		2.8		4.0
Lake		2.1		1.7		1.9		3.3		4.5		3.6		2.8		1.1		1.4		3.5
Marion		2.4		1.6		2.3		1.9		2.6		2.5		4.0		4.3		3.3		2.1
St. Joseph		7.6		1.8		10.5		3.3		5.3		3.8		3.2		1.9		9.0		10.8
Vanderburgh		7.4		0.0		0.8		4.6		5.3		0.9		10.4		8.0		4.1		6.8

Rate per 1,000 live births.

**<5 deaths are suppressed, includes zero values

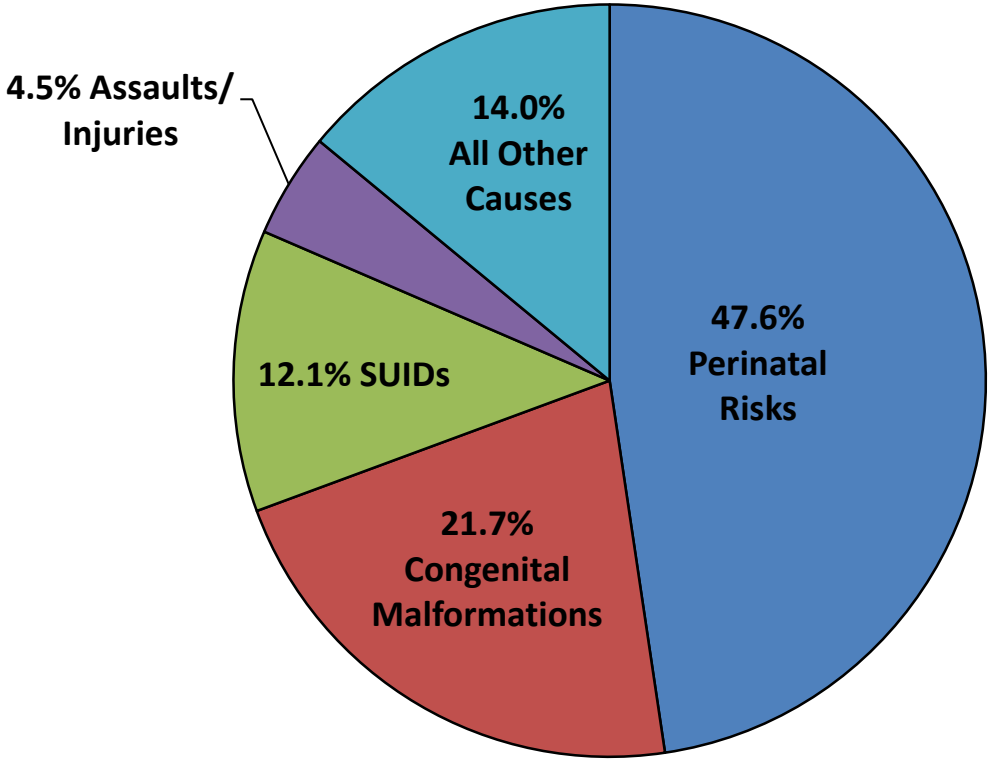
Shaded Area: Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Infant Mortality by Cause

Indiana Residents, 2013

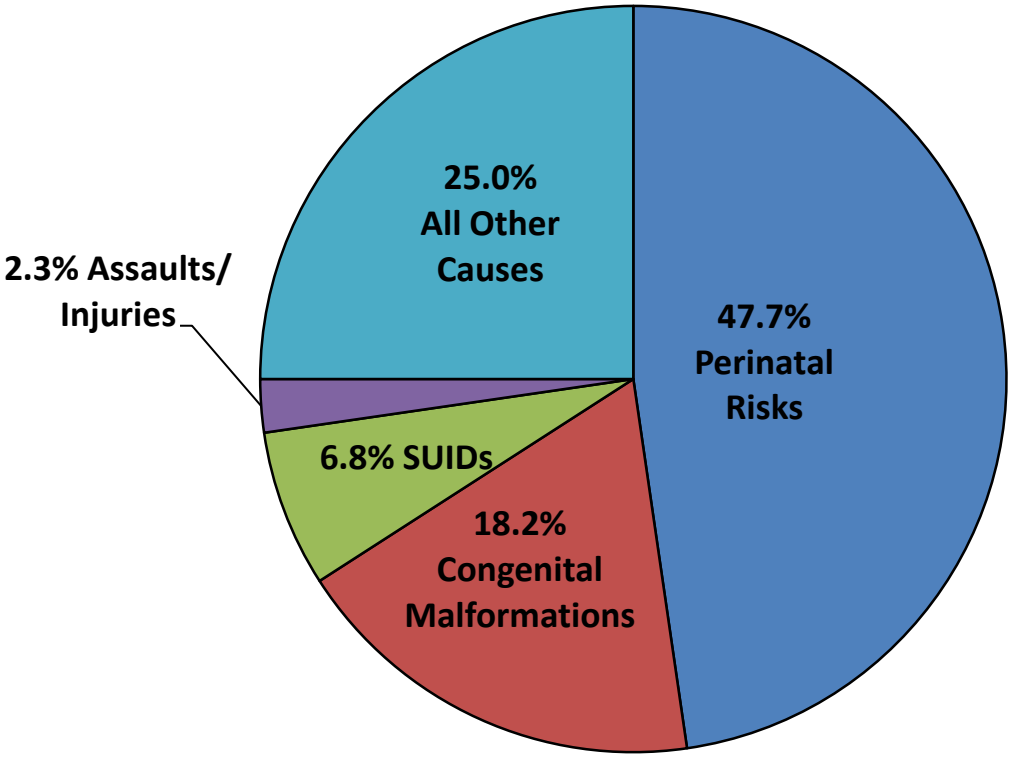


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infants Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and injuries include deaths related to homicide, neglect, and preventable injuries not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Infant Mortality by Cause

Allen County Residents, 2013

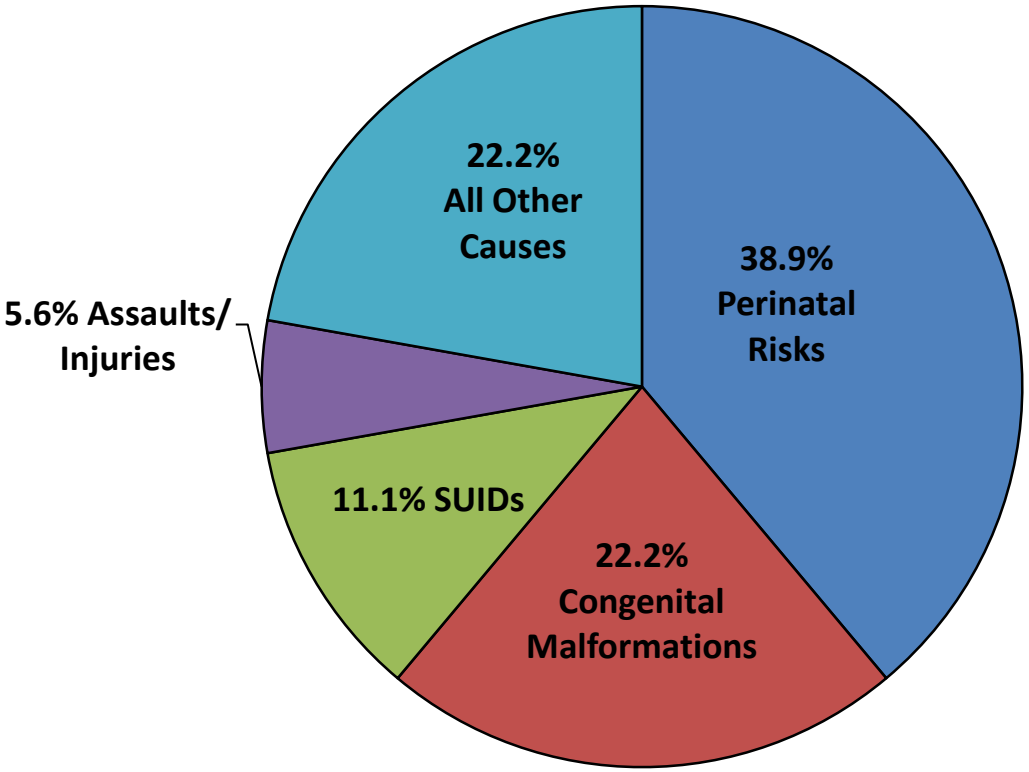


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infants Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and injuries include deaths related to homicide, neglect, and preventable injuries not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Infant Mortality by Cause

Elkhart County Residents, 2013

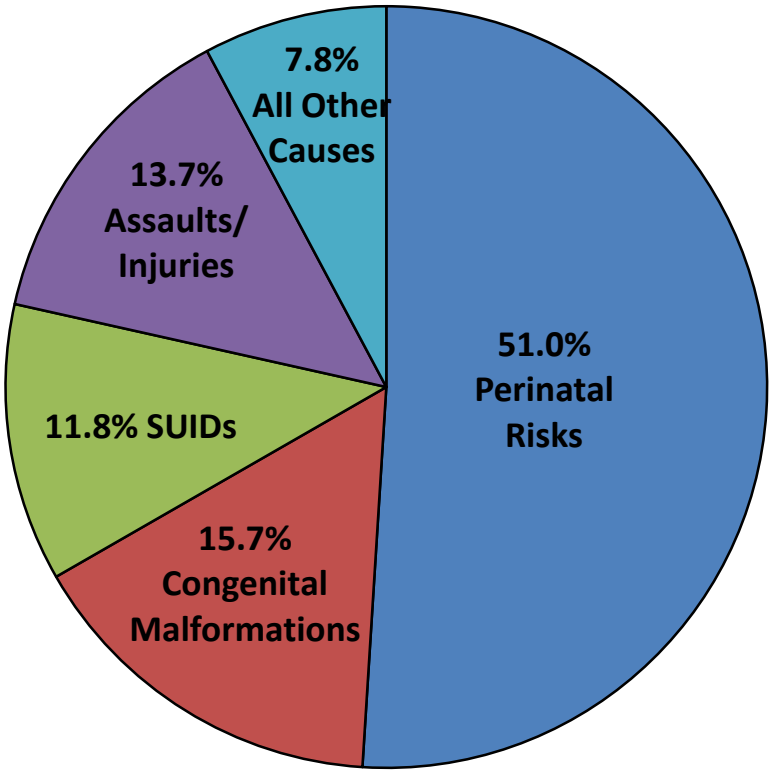


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infants Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and injuries include deaths related to homicide, neglect, and preventable injuries not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Infant Mortality by Cause

Lake County Residents, 2013

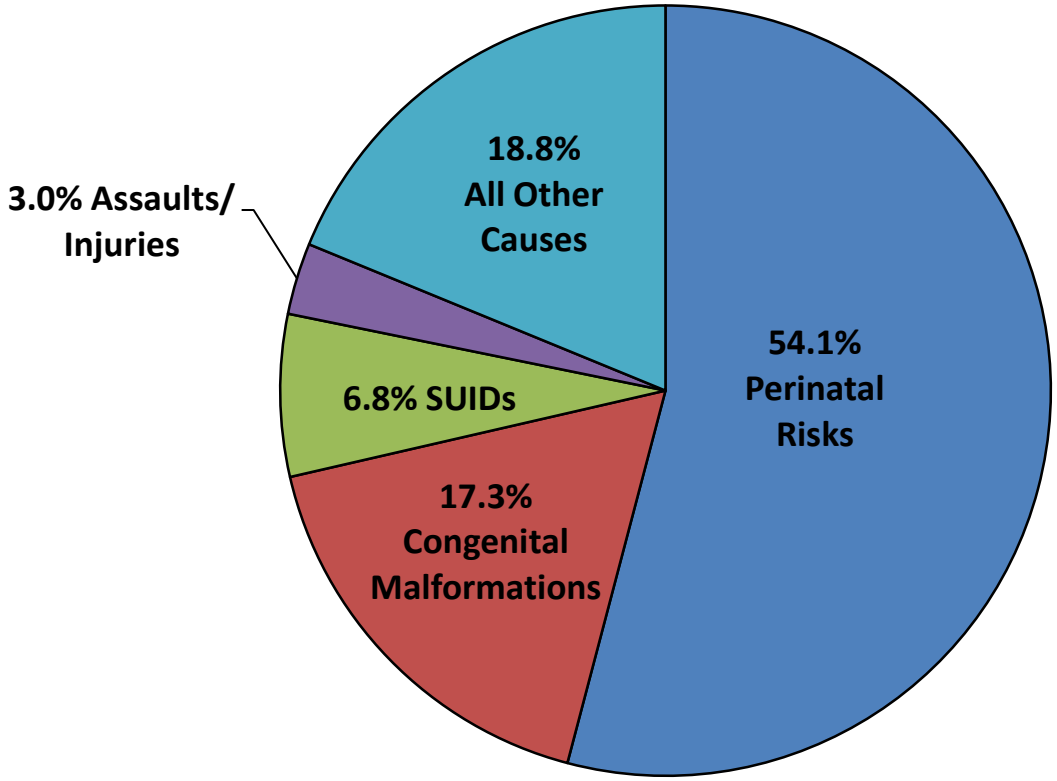


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infants Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and injuries include deaths related to homicide, neglect, and preventable injuries not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Infant Mortality by Cause

Marion County Residents, 2013

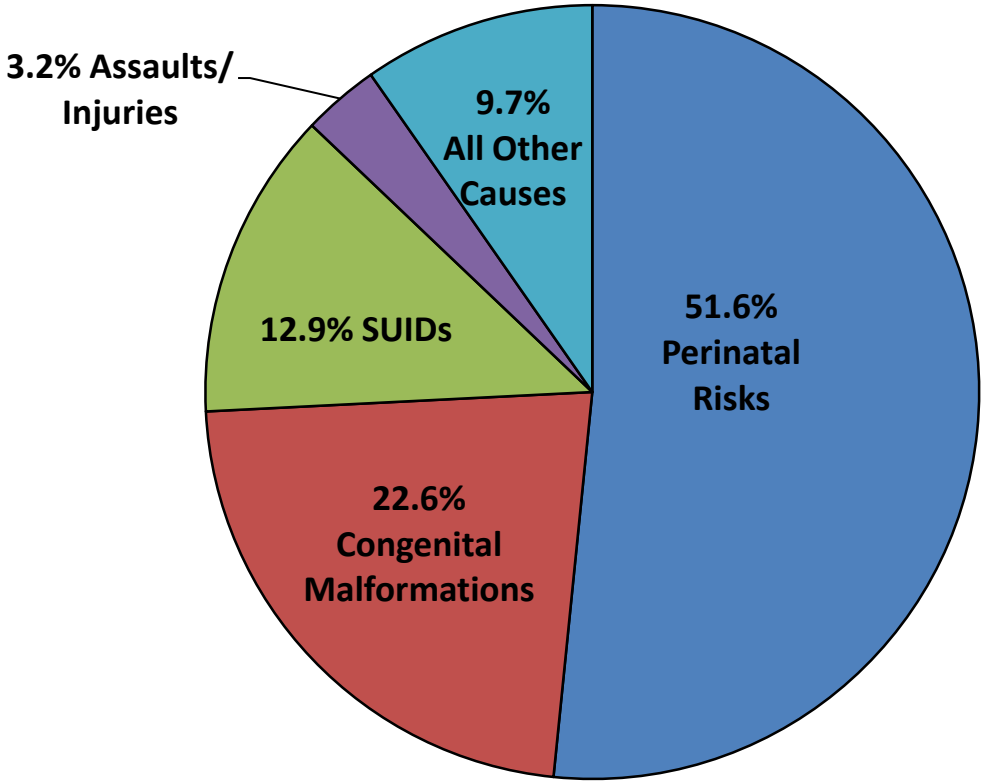


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infants Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and injuries include deaths related to homicide, neglect, and preventable injuries not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Infant Mortality by Cause

St. Joseph County Residents, 2013

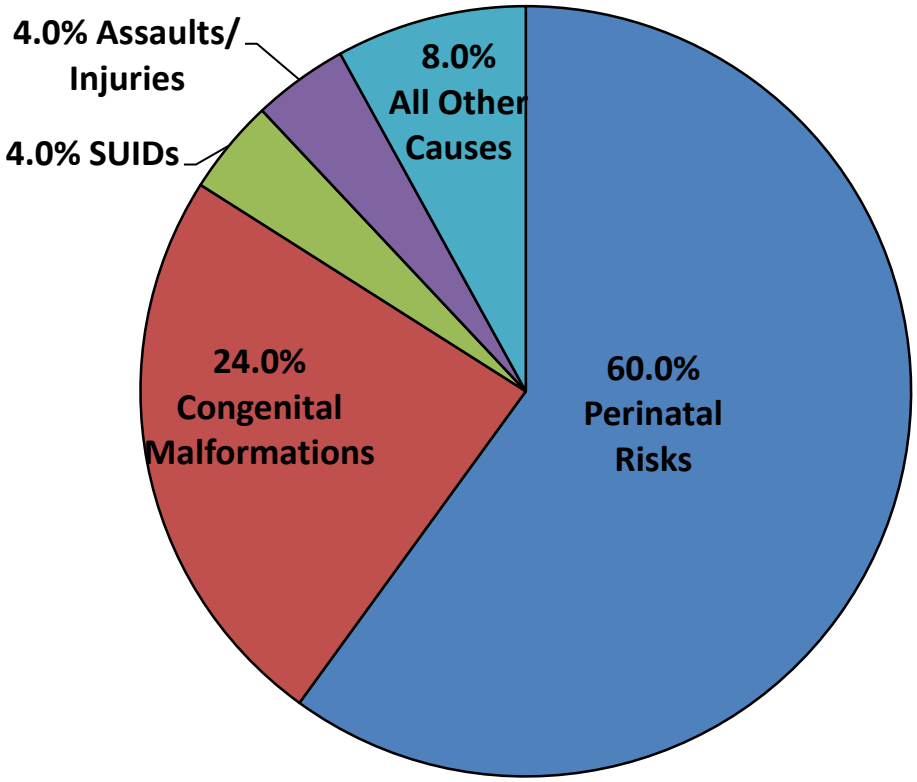


Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infants Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and injuries include deaths related to homicide, neglect, and preventable injuries not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

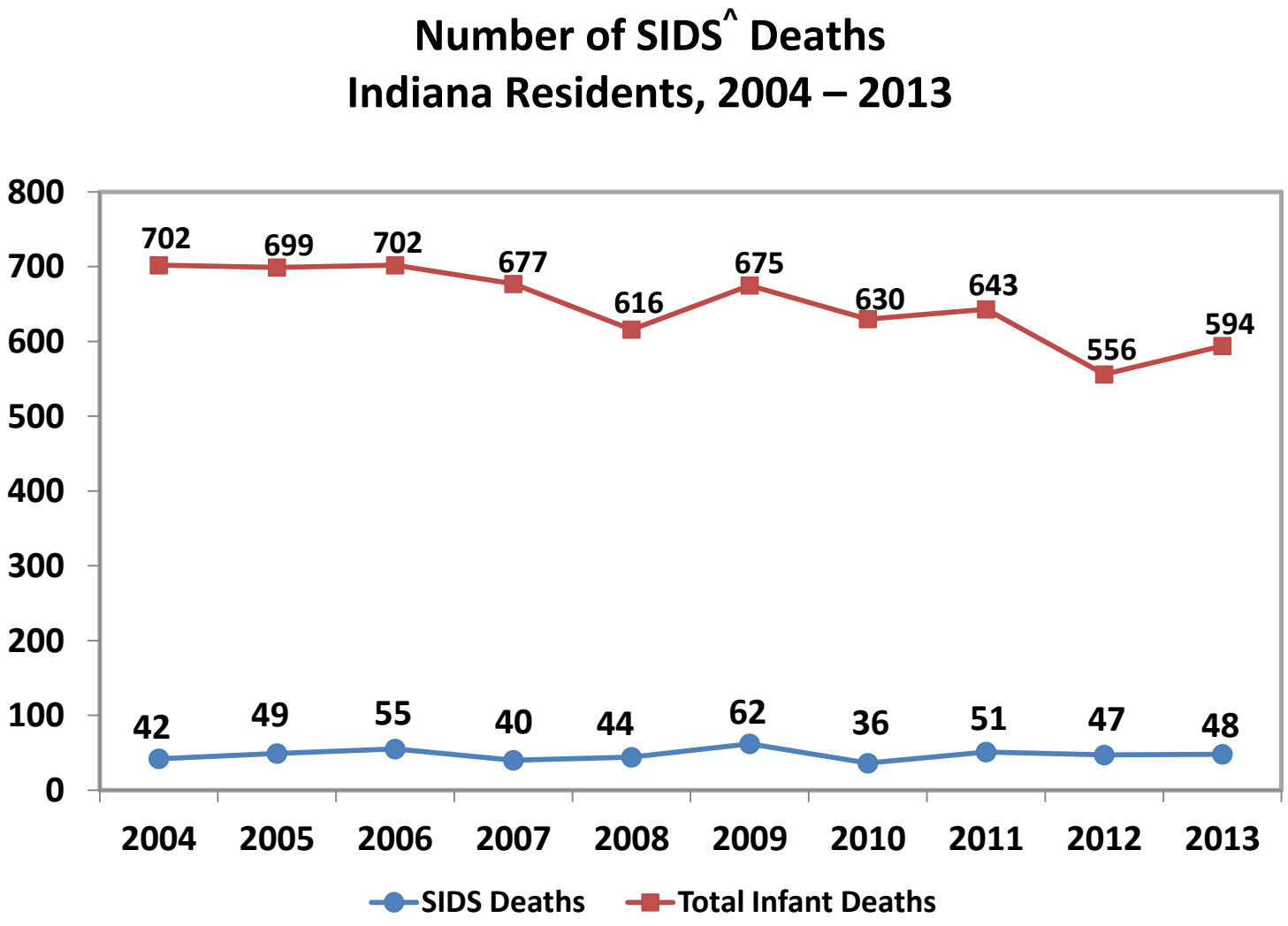
Infant Mortality by Cause

Vanderburgh County Residents, 2013



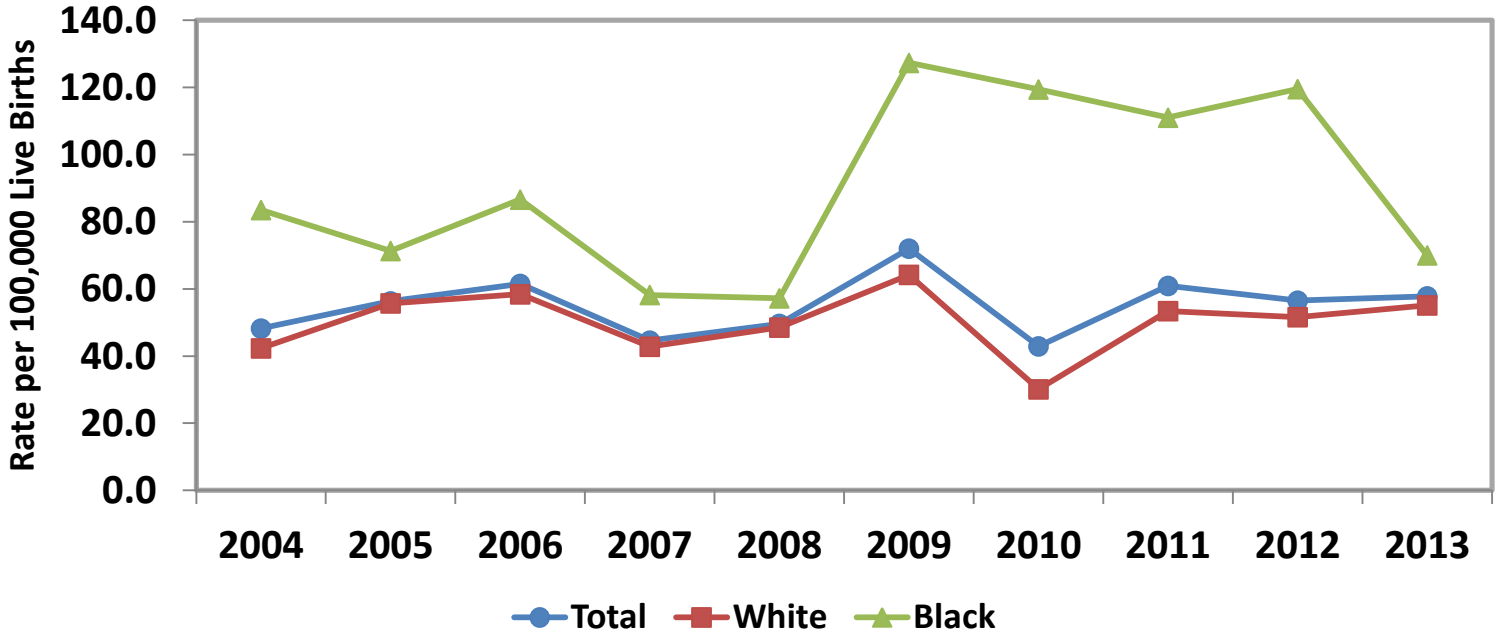
Notes: Perinatal risks are certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.). Congenital malformations and anomalies are physical defects present at birth that result from genetics, through exposure of the fetus to malforming agents, or are of unknown origin. Sudden Unexpected Infants Deaths (SUIDs) typically include sleep related infant deaths and unexpected deaths of no known cause after investigation. Assaults and injuries include deaths related to homicide, neglect, and preventable injuries not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.). *For ICD-10 codes included in these categories, refer to Appendix A.*

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015



^ Sudden Infant Death Syndrome (SIDS) ICD-10 Code R95
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

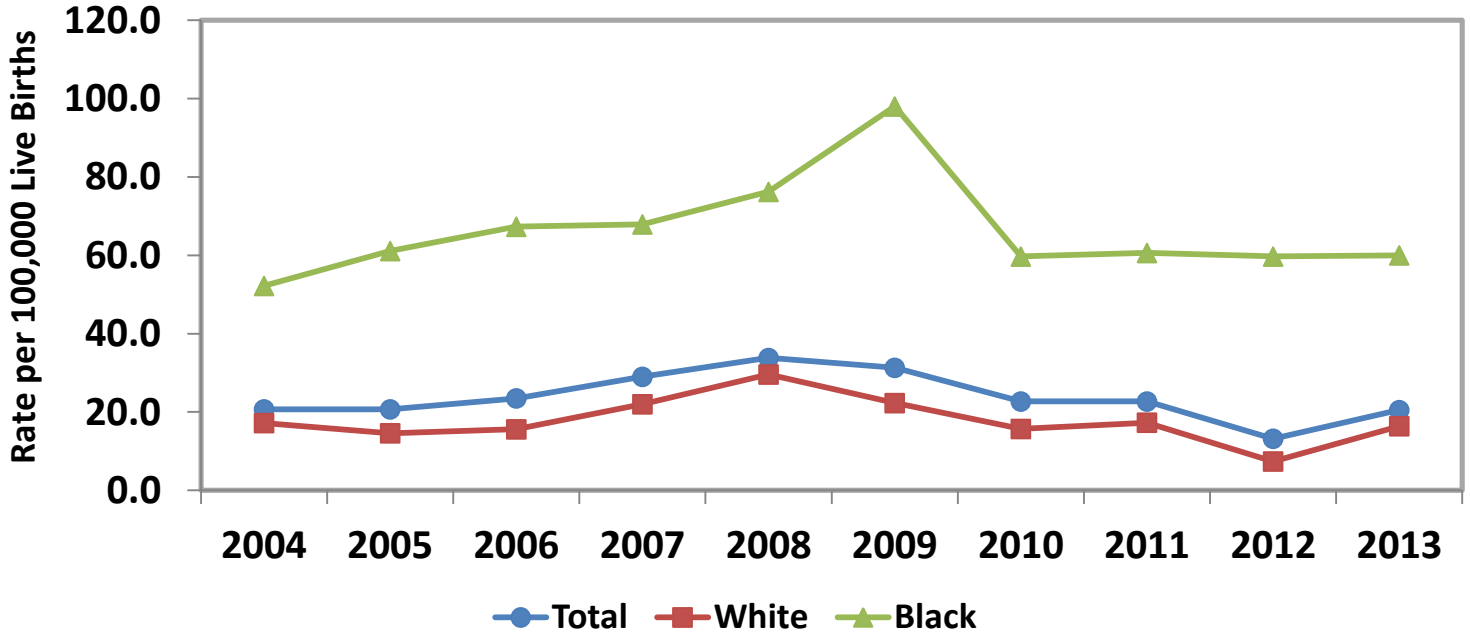
SIDS^ Mortality Rates by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	48.2	56.3	61.5	44.6	49.6	72.0	42.9	60.9	56.5	57.8
White	42.3	55.7	58.4	42.8	48.5	64.2	30.1	53.4	51.6	55.1
Black	83.5*	71.3*	86.6*	58.2*	57.2*	127.3*	119.4*	111.0*	119.5*	70.0*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
^ Sudden Infant Death Syndrome (SIDS) ICD-10 Code R95
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

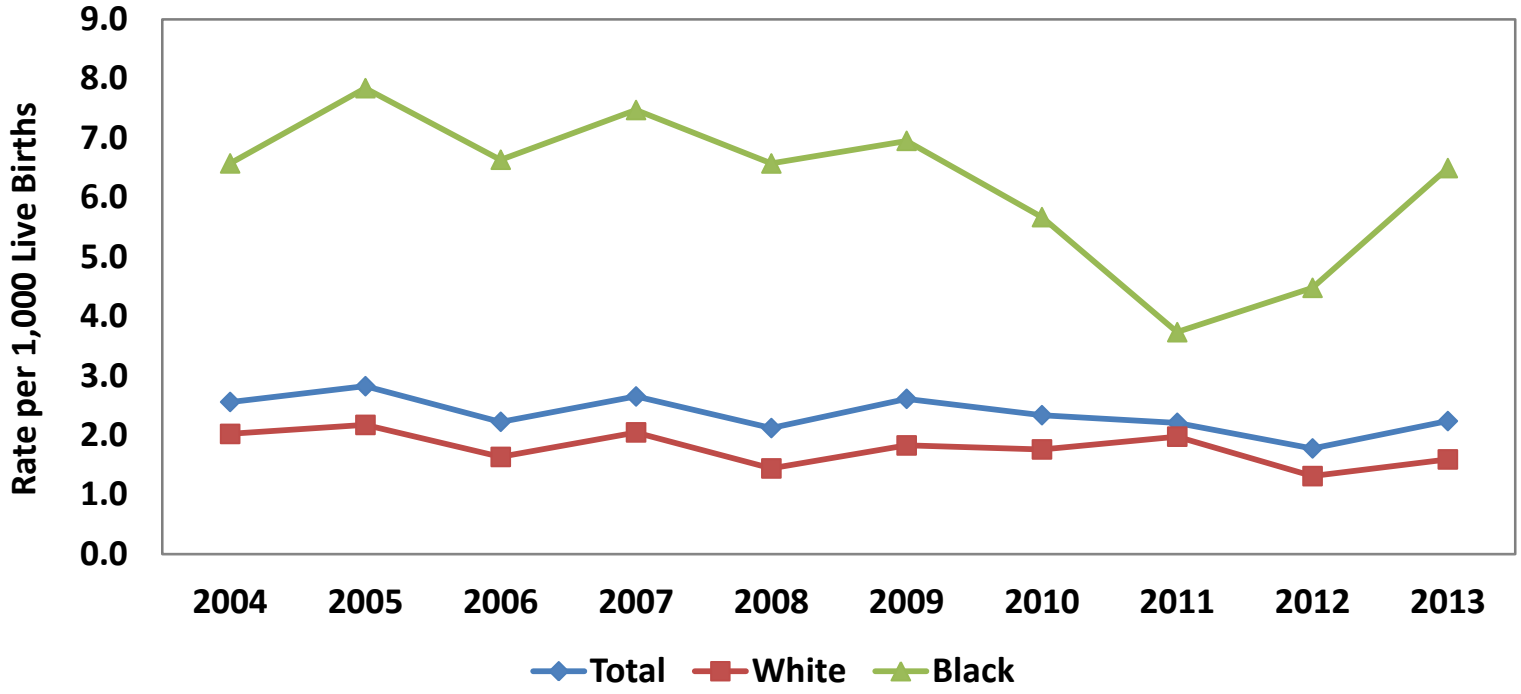
Suffocation^ Mortality Rates by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	20.7*	20.7*	23.5	29.0	33.8	31.3	22.7*	22.7*	13.2*	20.5*
White	17.2*	14.6*	15.6*	22.0*	29.6	22.3*	15.7*	17.3*	7.4*	16.4*
Black	52.2*	61.1*	67.3*	67.9*	76.2*	98.0*	59.7*	60.6*	59.7*	60.0*

* Numerator is less than 20; thus the rate is unstable. We do not recommend comparing unstable rates.
^ Accidental Suffocation and Strangulation in Bed ICD-10 Code W75
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Preterm-Related Mortality* Rates by Race
Indiana Residents, 2004-2013



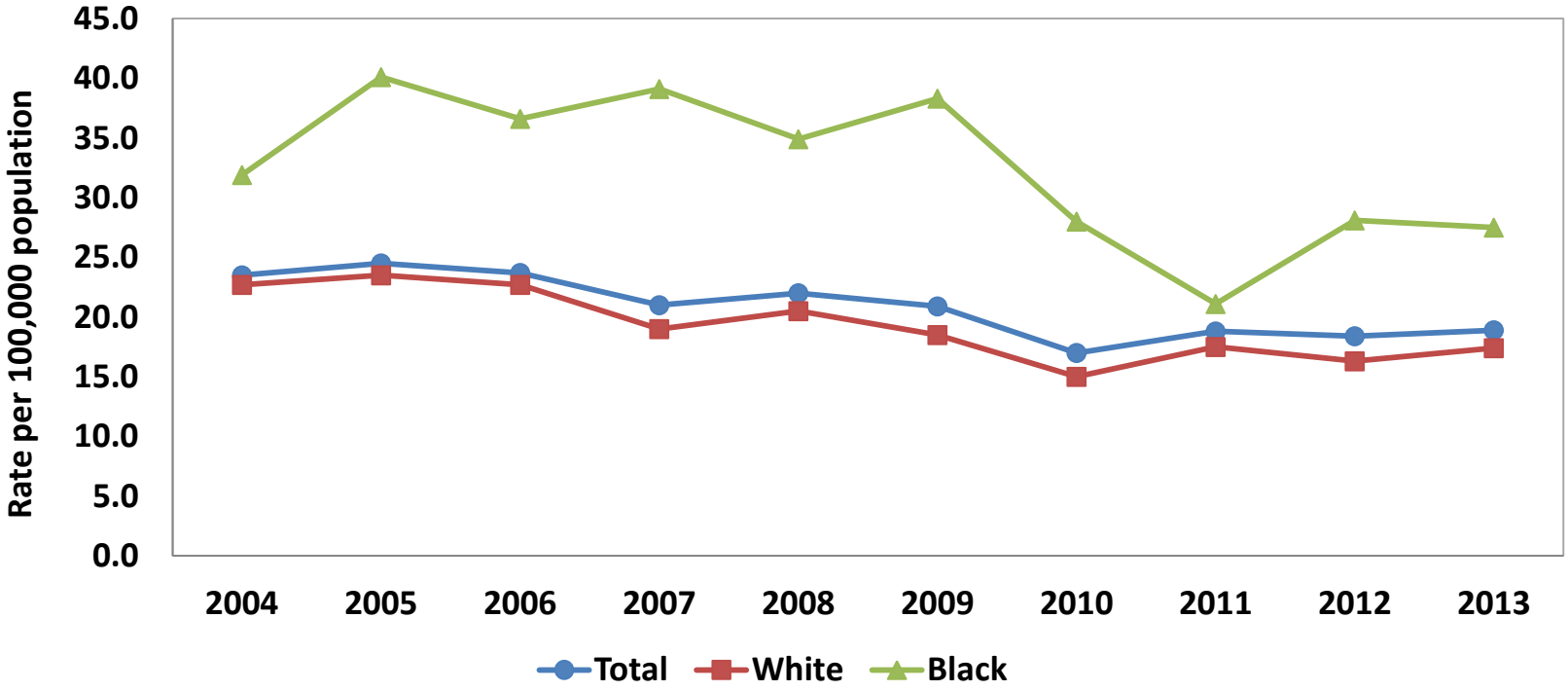
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	2.6	2.8	2.2	2.7	2.1	2.6	2.3	2.2	1.8	2.2
White	2.0	2.2	1.6	2.0	1.4	1.8	1.8	2.0	1.3	1.6
Black	6.6	7.8	6.6	7.5	6.6	7.0	5.7	3.7	4.5	6.5

*Preterm-Related Mortality ICD-10 Codes K550, P000, P010, P011, P015, P020, P021, P027, P070–P073, P102, P220–229, P250–279, P280, P281, P360–369, P520–523, and P77

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

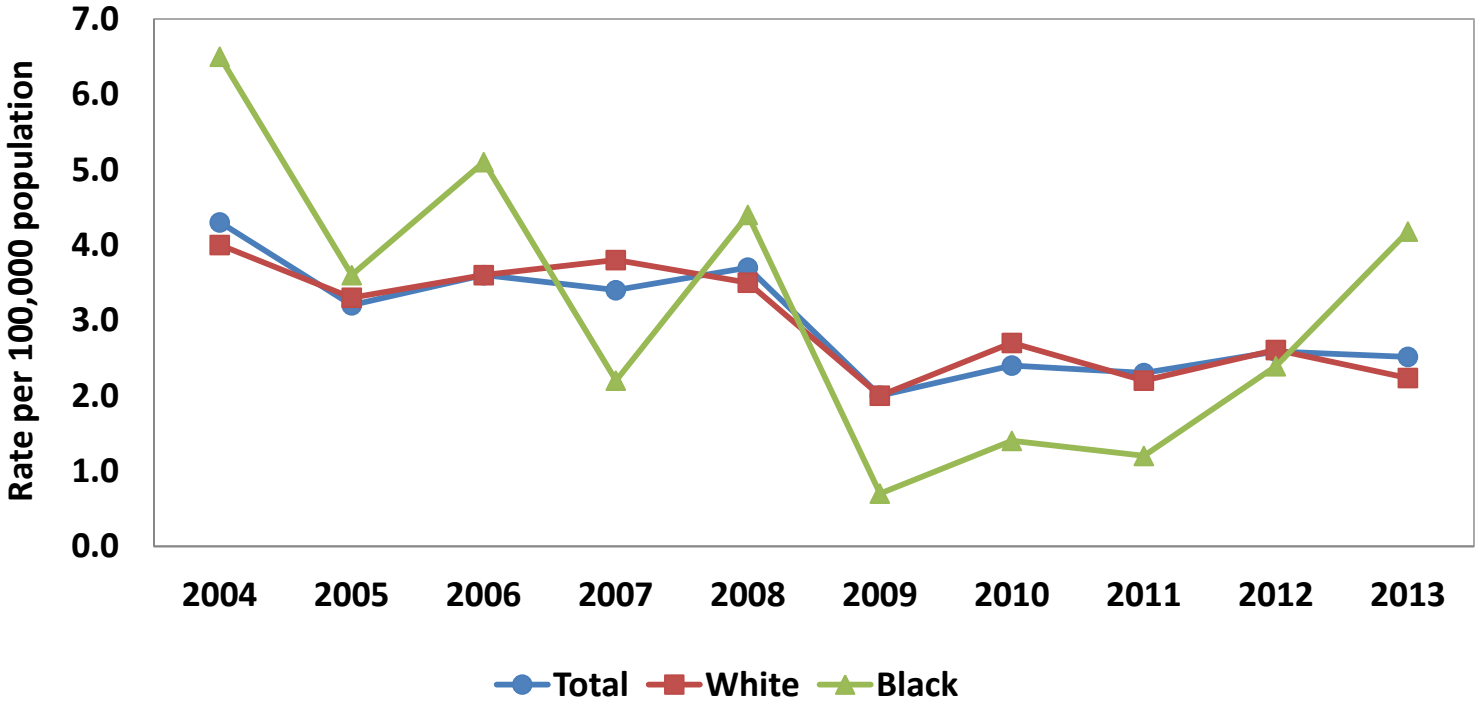
Mortality Rates for Youth Ages 1-14 Years by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	23.5	24.5	23.7	21.0	22.0	20.9	17.0	18.8	18.4	18.9
White	22.7	23.5	22.7	19.0	20.5	18.5	15.0	17.5	16.3	17.4
Black	31.9	40.1	36.6	39.1	34.9	38.3	28.0	21.1	28.1	27.5

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

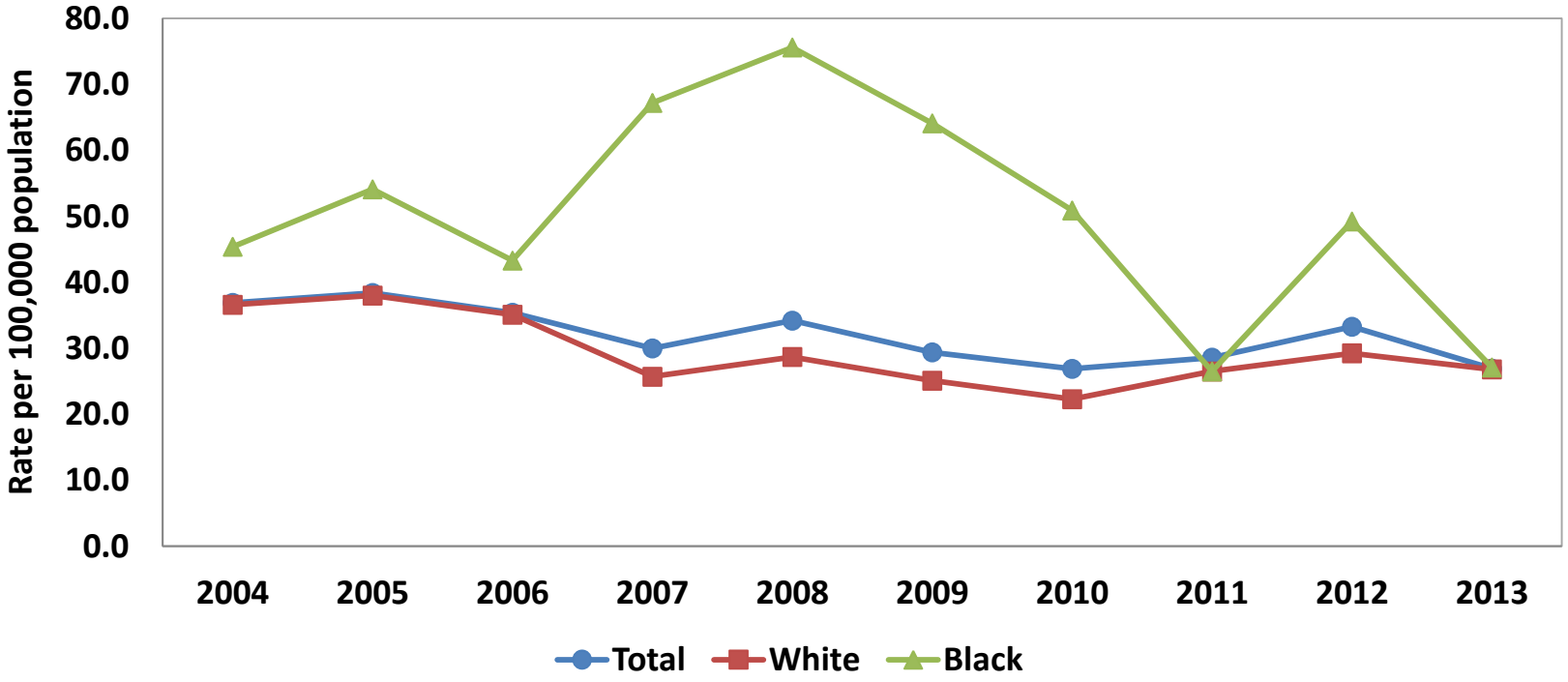
Motor Vehicle Injury Mortality Rates for Youth Ages 1-14 Years by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	4.3	3.2	3.6	3.4	3.7	2.0	2.4	2.3	2.6	2.5
White	4.0	3.3	3.6	3.8	3.5	2.0	2.7	2.2	2.6	2.2
Black	6.5*	3.6*	5.1*	2.2*	4.4*	0.7*	1.4*	1.2*	2.4*	4.2*

*Numerator is less than 20; thus the rate is unstable.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

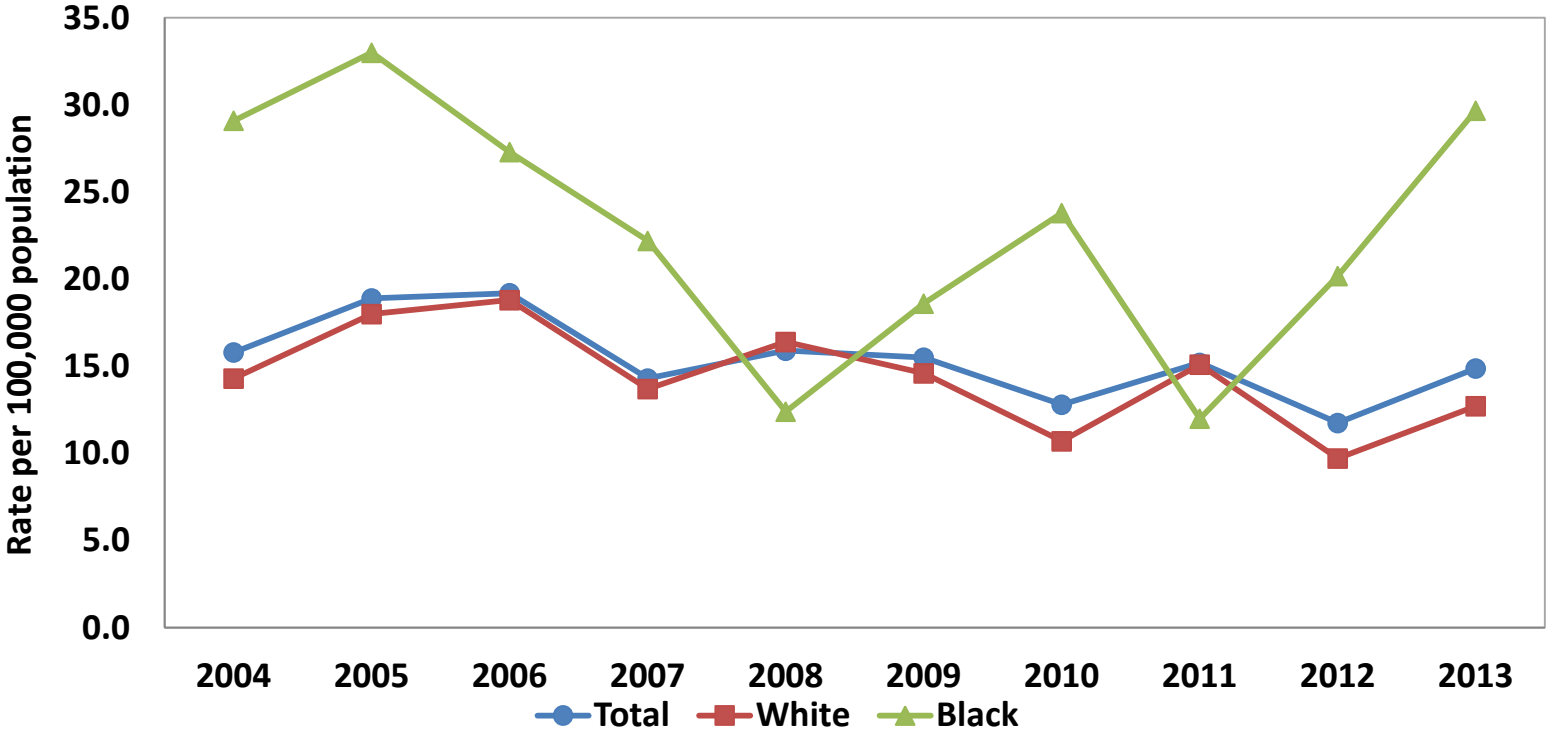
Mortality Rates for Youth Ages 1-4 Years by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	36.9	38.4	35.4	30.0	34.2	29.4	26.9	28.6	33.3	26.9
White	36.6	38.0	35.1	25.7	28.7	25.1	22.3	26.5	29.3	26.8
Black	45.4*	54.1	43.3*	67.2	75.6	64.1	50.9	26.5*	49.2	27.1*

*Numerator is less than 20; thus the rate is unstable.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

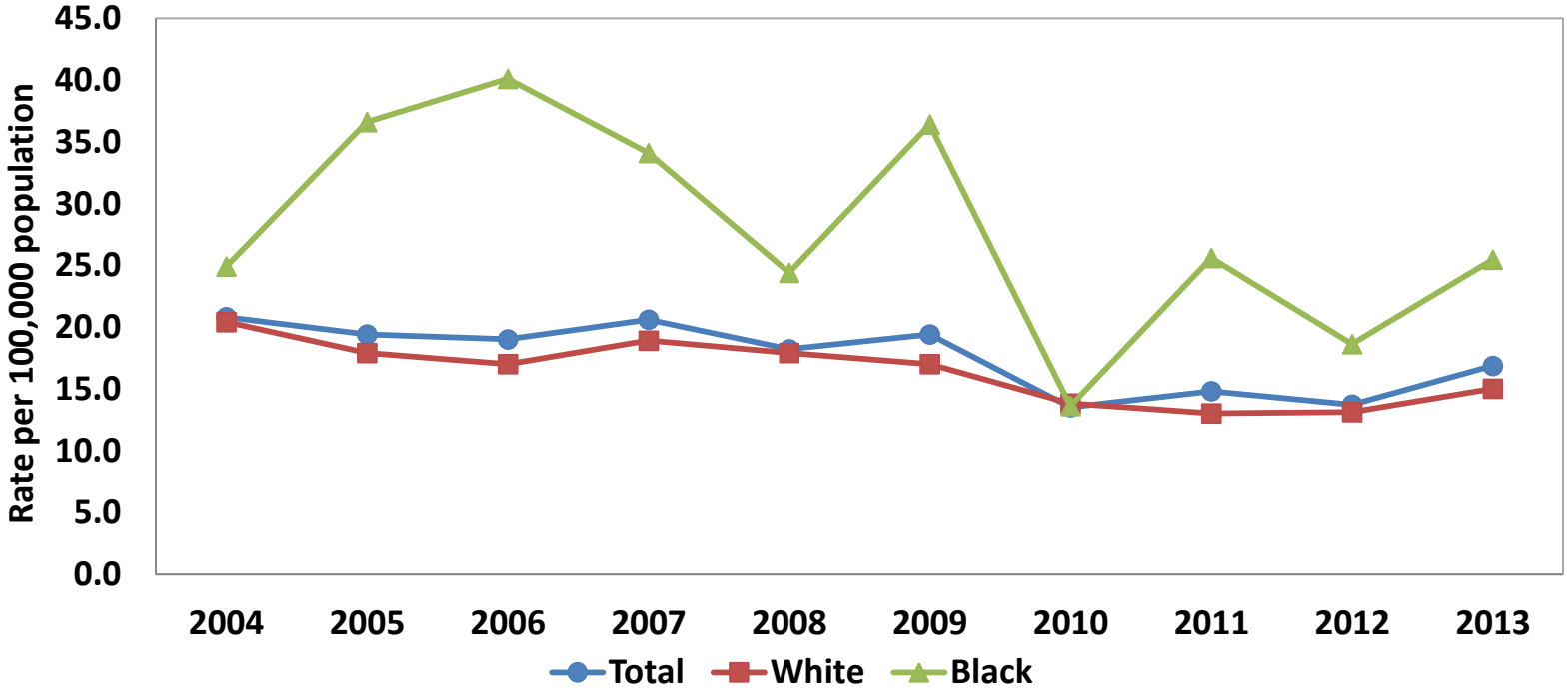
Mortality Rates for Youth Ages 5-9 Years by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	15.8	18.9	19.2	14.3	15.9	15.5	12.8	15.2	11.7	14.9
White	14.3	18.0	18.8	13.7	16.4	14.6	10.7	15.1	9.7	12.7
Black	29.1*	33.0*	27.3*	22.2*	12.4*	18.6*	23.8*	12.0*	20.2*	29.7*

*Numerator is less than 20; thus the rate is unstable.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

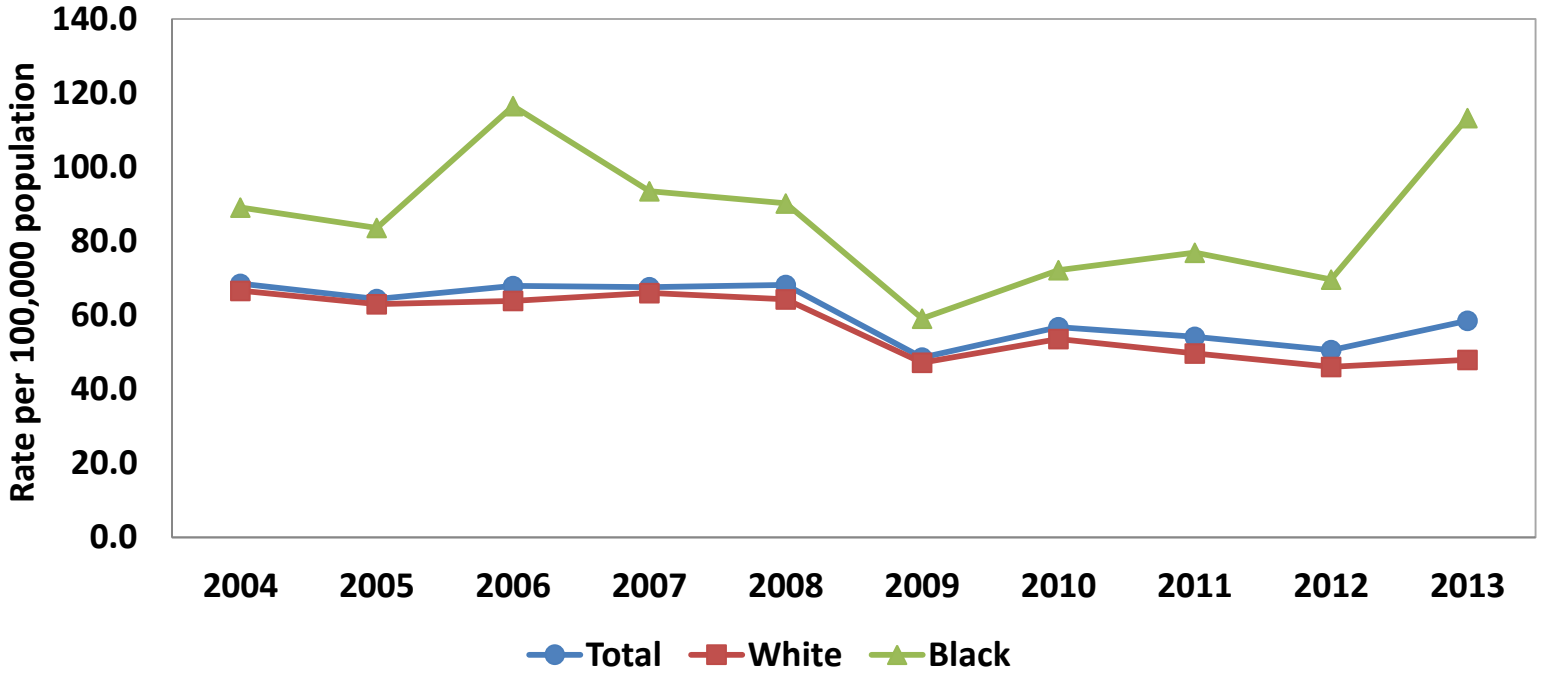
Mortality Rates for Youth Ages 10-14 Years by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	20.8	19.4	19.0	20.6	18.2	19.4	13.5	14.8	13.7	16.8
White	20.4	17.9	17.0	18.9	17.9	17.0	13.8	13.0	13.1	15.0
Black	24.9*	36.6*	40.1	34.1*	24.4*	36.4*	13.6*	25.6*	18.6*	25.5*

*Numerator is less than 20; thus the rate is unstable.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

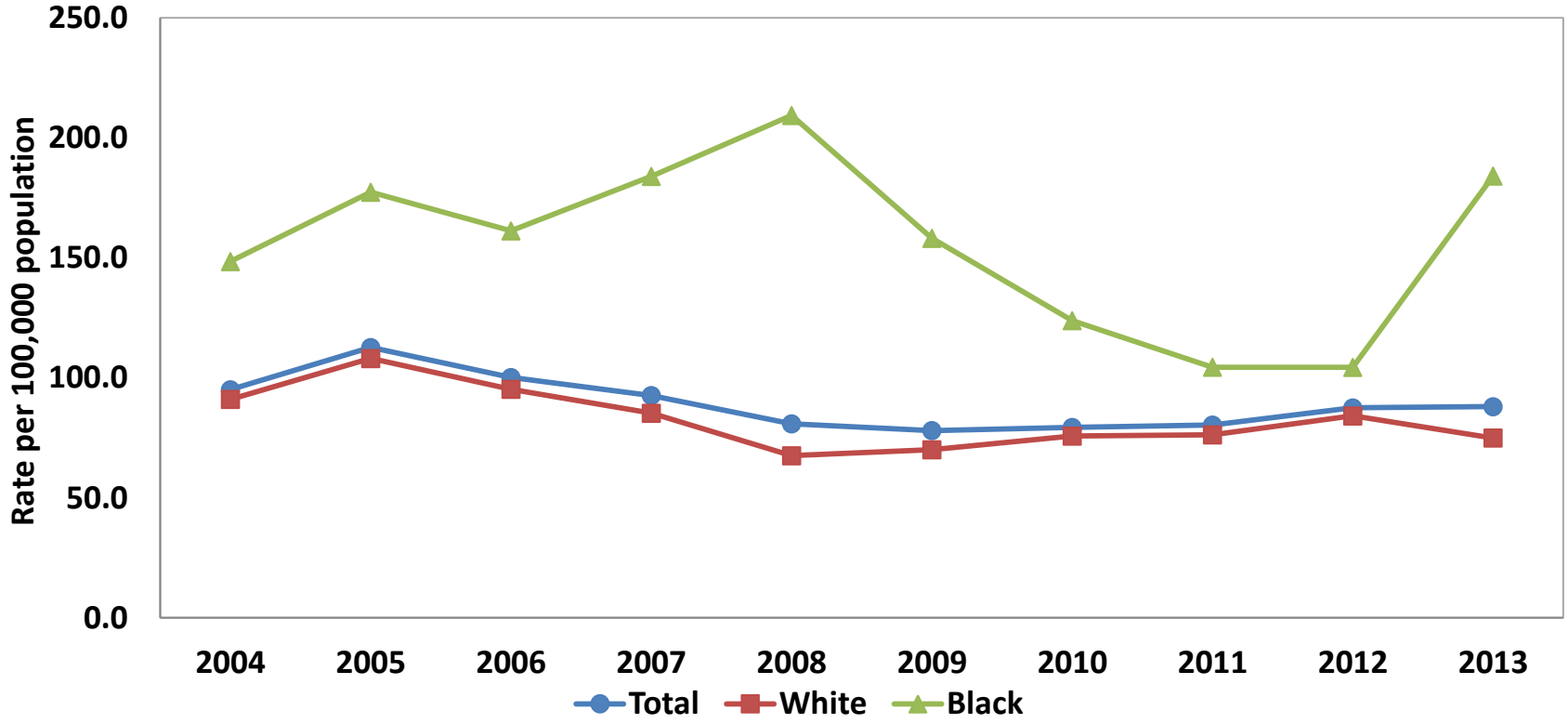
Mortality Rates for Youth Ages 15-19 Years by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	68.5	64.4	67.9	67.6	68.2	48.6	56.8	54.2	50.6	58.5
White	66.6	63.0	63.9	66.0	64.3	47.2	53.6	49.7	46.1	48.0
Black	89.1	83.6	116.5	93.5	90.2	59.1	72.2	76.9	69.6	113.3

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

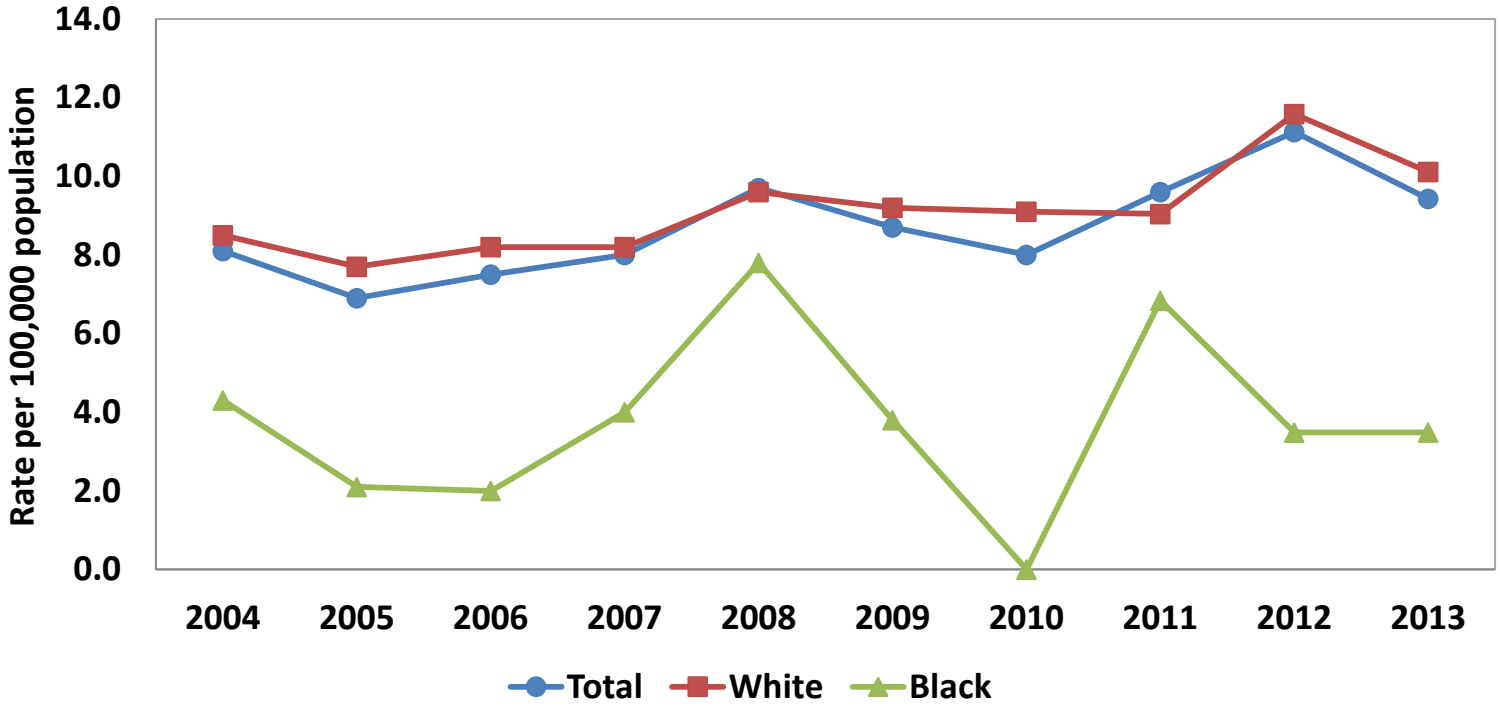
Mortality Rates for Young Adults Ages 20-21 Years by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	95.0	112.6	100.1	92.6	80.8	78.0	79.3	80.3	87.4	87.9
White	91.0	108.0	95.2	85.2	67.5	70.0	75.7	76.2	84.1	74.9
Black	148.4	177.3	161.2	183.9	209.3	158.1	123.8	104.4	104.3	184.1

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

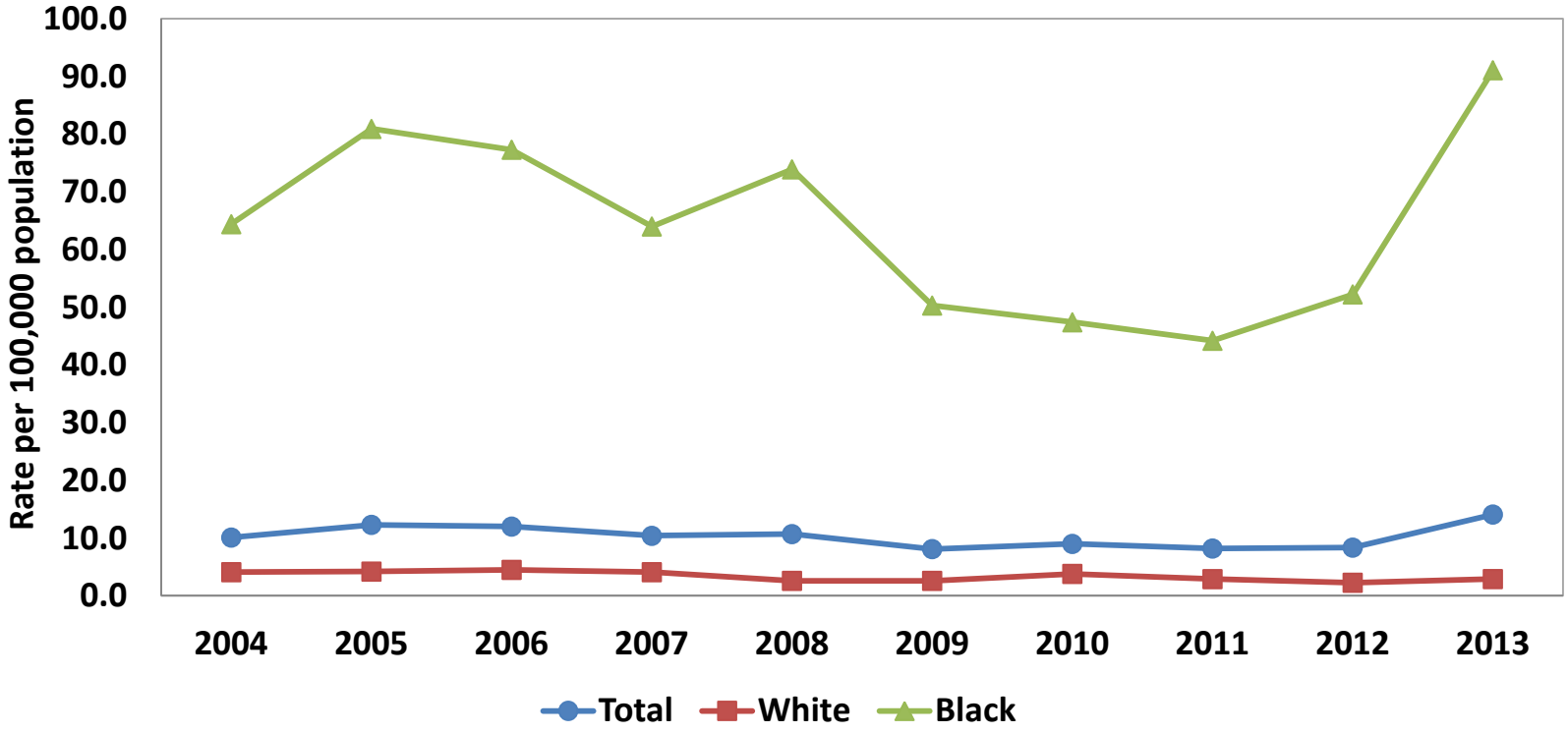
Suicide Mortality Rates for Youth Ages 15-19 Years by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	8.1	6.9	7.5	8.0	9.7	8.7	8.0	9.6	11.1	9.4
White	8.5	7.7	8.2	8.2	9.6	9.2	9.1	9.0	11.6	10.1
Black	4.3*	2.1*	2.0*	4.0*	7.8*	3.8*	0.0*	6.8*	3.5*	3.5*

*Numerator is less than 20; thus the rate is unstable.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

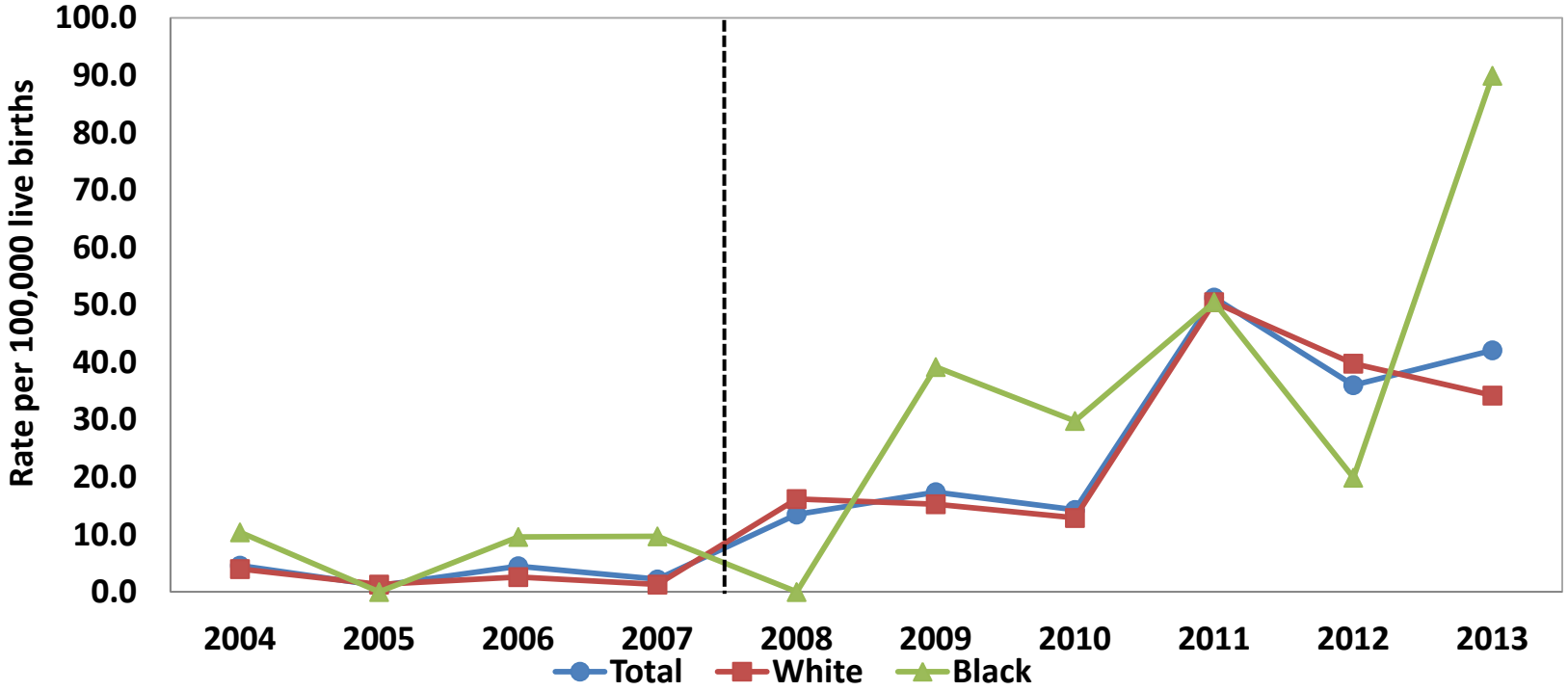
Homicide Mortality Rates for Ages 15-24 Years by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	10.1	12.3	12.0	10.4	10.7	8.1	9.0	8.2	8.4	14.1
White	4.1	4.2	4.5	4.1	2.6	2.6	3.8	2.9	2.3	2.9
Black	64.4	80.9	77.3	64.0	73.9	50.3	47.4	44.2	52.2	91.1

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Maternal Mortality Rates by Race
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	4.6*	1.1*	4.5*	2.2*	13.5*	17.4*	14.3*	51.3	36.0	42.1
White	4.0*	1.3*	2.6*	1.3*	16.2*	15.3*	12.9*	50.5	39.8	34.2
Black	10.4*	0.0*	9.6*	9.7*	0.0*	39.2*	29.8*	50.5*	19.9*	89.9*

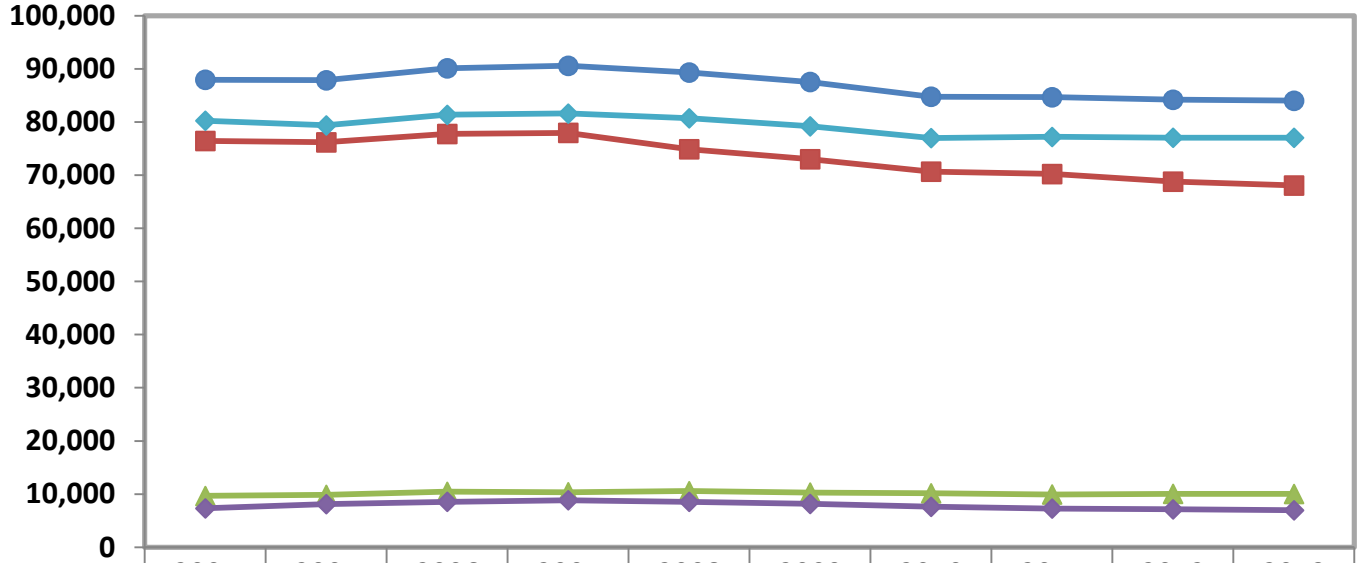
*Numerator is less than 20; thus the rate is unstable.

Note: Because of death certificate revisions in 2008, maternal mortality data for 2008 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

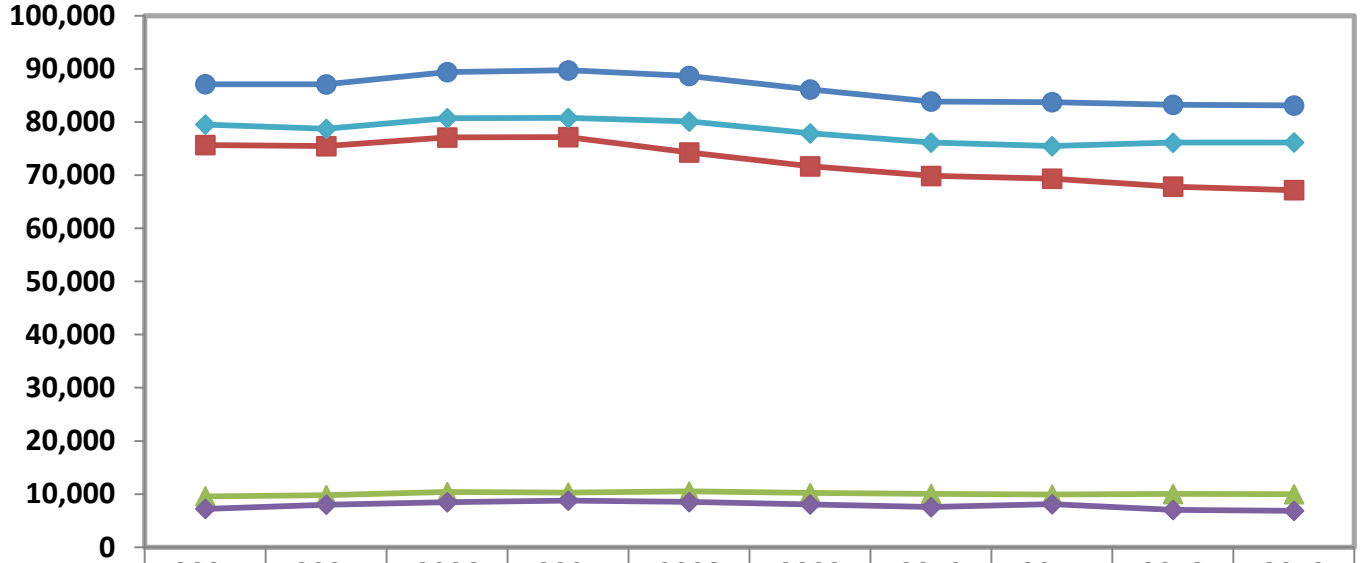
Number of Occurrent Live Births* by Race and Ethnicity
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	87,961	87,864	90,120	90,586	89,324	87,548	84,774	84,672	84,201	84,008
White	76,451	76,186	77,763	77,975	74,895	73,013	70,675	70,225	68,794	68,064
Black	9,658	9,882	10,451	10,371	10,571	10,310	10,168	9,949	10,069	10,042
Hispanic	7,322	8,125	8,567	8,858	8,561	8,161	7,622	7,298	7,144	6,961
Non-Hispanic	80,257	79,375	81,359	81,596	80,715	79,198	76,991	77,202	77,057	77,047

* Live births occurring in Indiana regardless of mother's state of residence.
Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

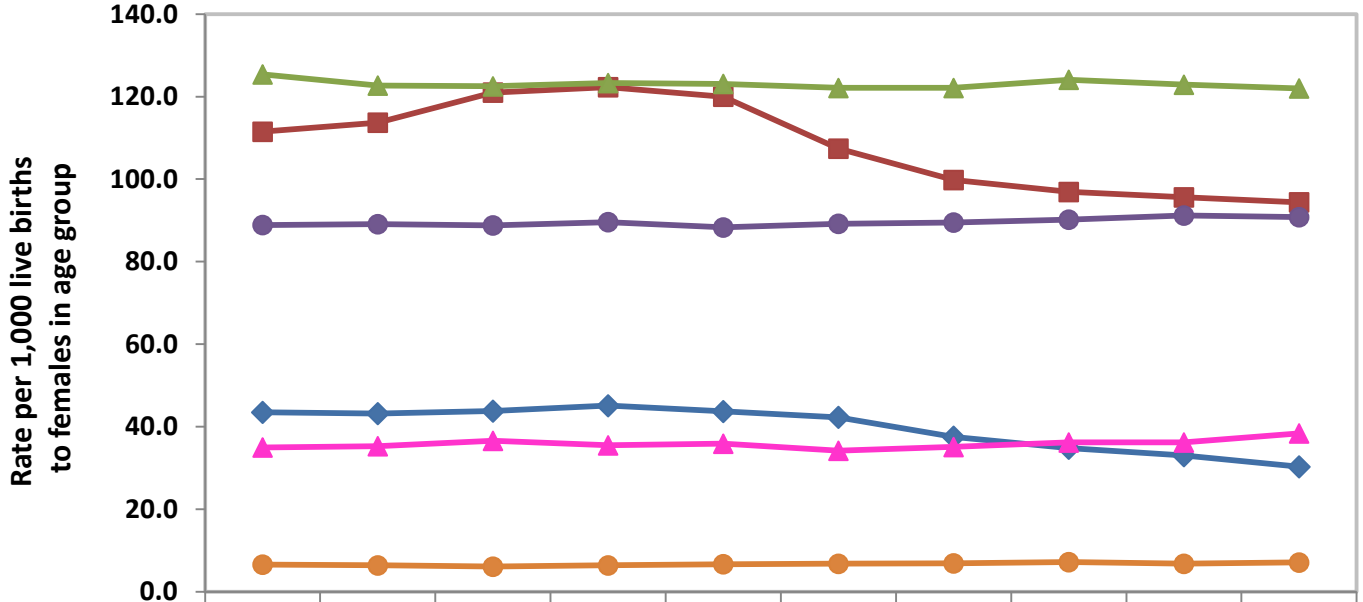
Number of Resident Live Births* by Race and Ethnicity
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	87,125	87,088	89,404	89,719	88,679	86,126	83,867	83,750	83,250	83,115
White	75,680	75,464	77,096	77,171	74,280	71,670	69,858	69,349	67,864	67,203
Black	9,582	9,820	10,396	10,303	10,496	10,209	10,052	9,908	10,043	10,006
Hispanic	7,237	8,026	8,488	8,785	8,510	8,072	7,558	8,105	7,033	6,864
Non-Hispanic	79,537	78,723	80,727	80,769	80,091	77,863	76,134	75,468	76,114	76,170

* Live births to Indiana residents regardless of state where mother gave birth.
Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

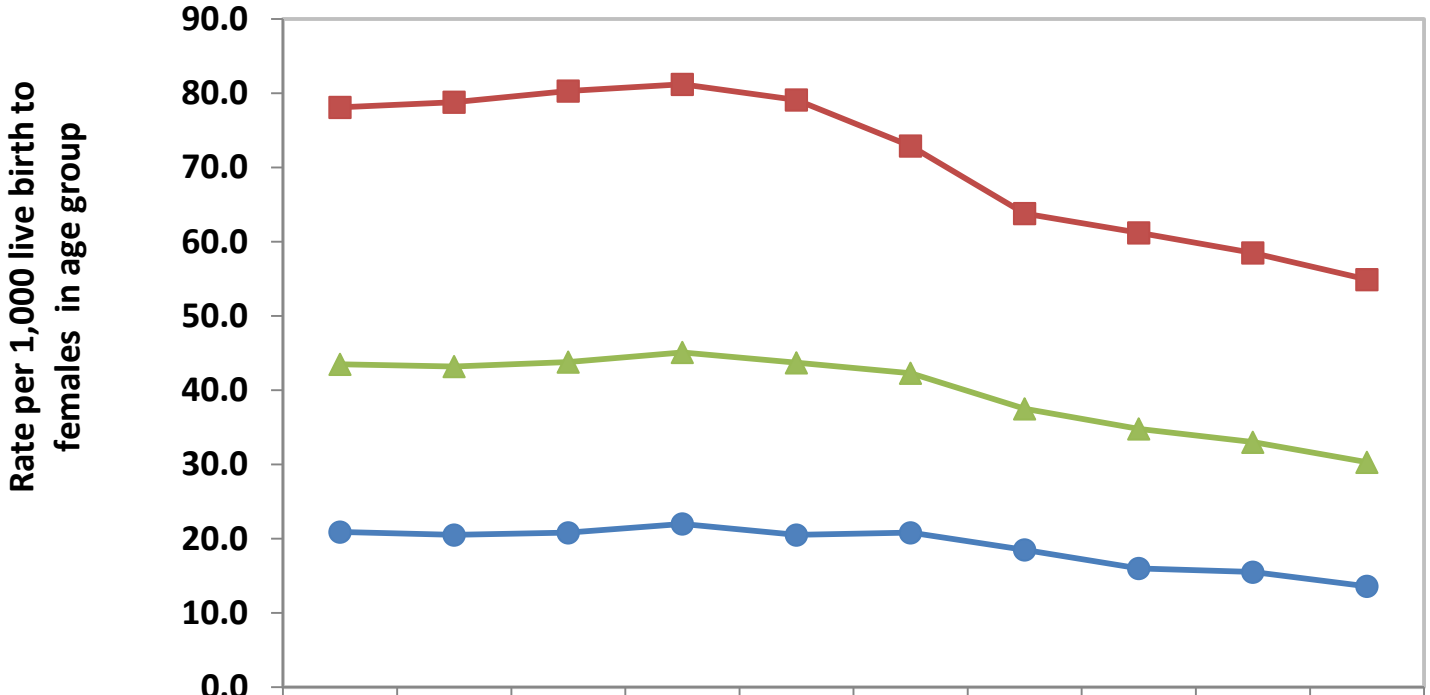
Age-Specific Birth Rates by Age of Mother
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
15-19 Years	43.5	43.2	43.8	45.1	43.7	42.3	37.5	34.8	33.0	30.3
20-24 Years	111.5	113.7	121.0	122.3	120.0	107.4	99.8	96.9	95.6	94.4
25-29 Years	125.4	122.7	122.5	123.3	123.1	122.1	122.1	124.1	122.9	122.0
30-34 Years	88.9	89.1	88.8	89.6	88.3	89.2	89.5	90.2	91.2	90.8
35-39 Years	35.0	35.3	36.6	35.5	35.9	34.2	35.1	36.2	36.2	38.4
40-44 Years	6.6	6.4	6.1	6.4	6.7	6.8	6.9	7.2	6.8	7.1

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

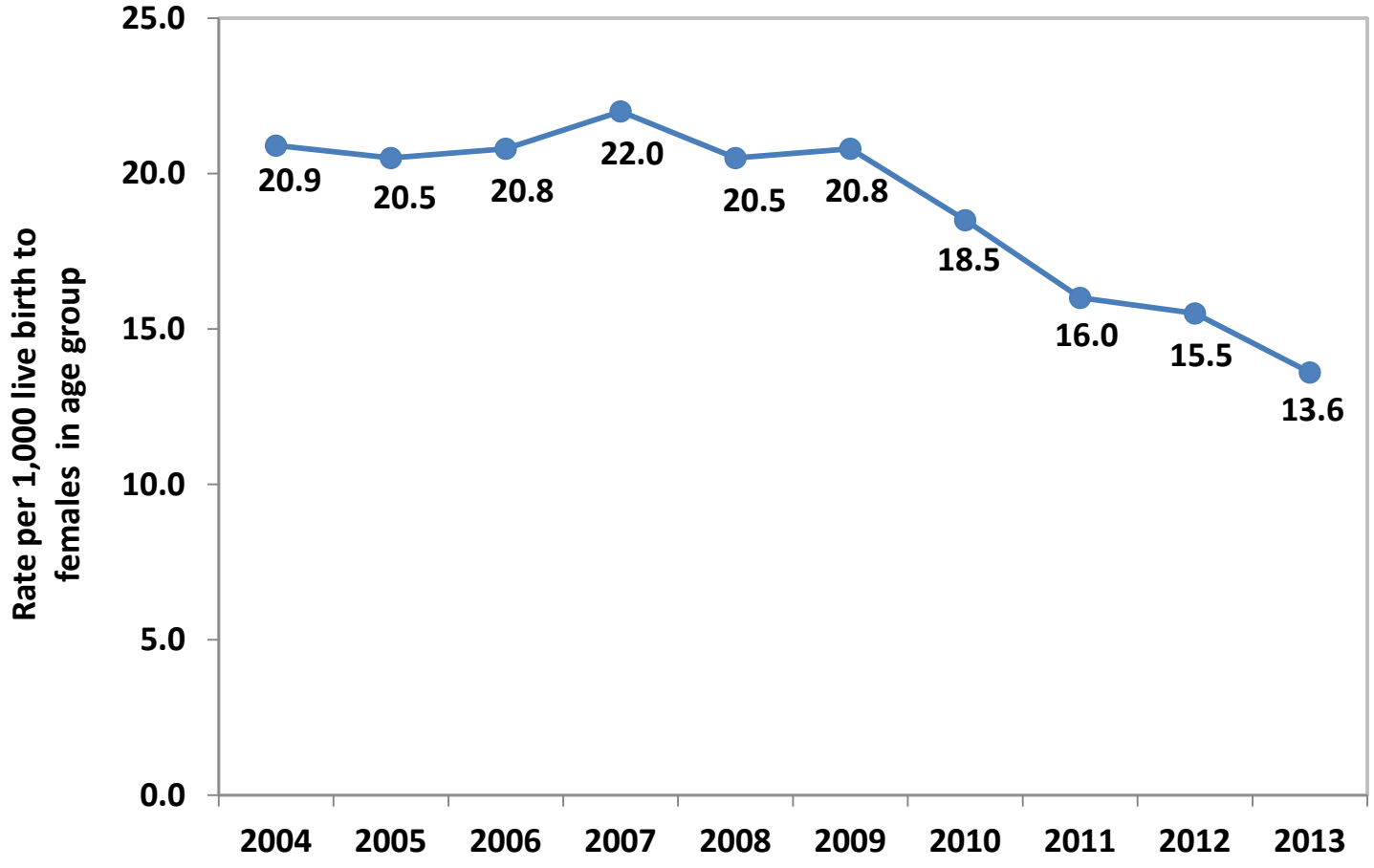
Age-Specific Birth Rates for Teen Mothers
Indiana Residents, 2004 – 2013



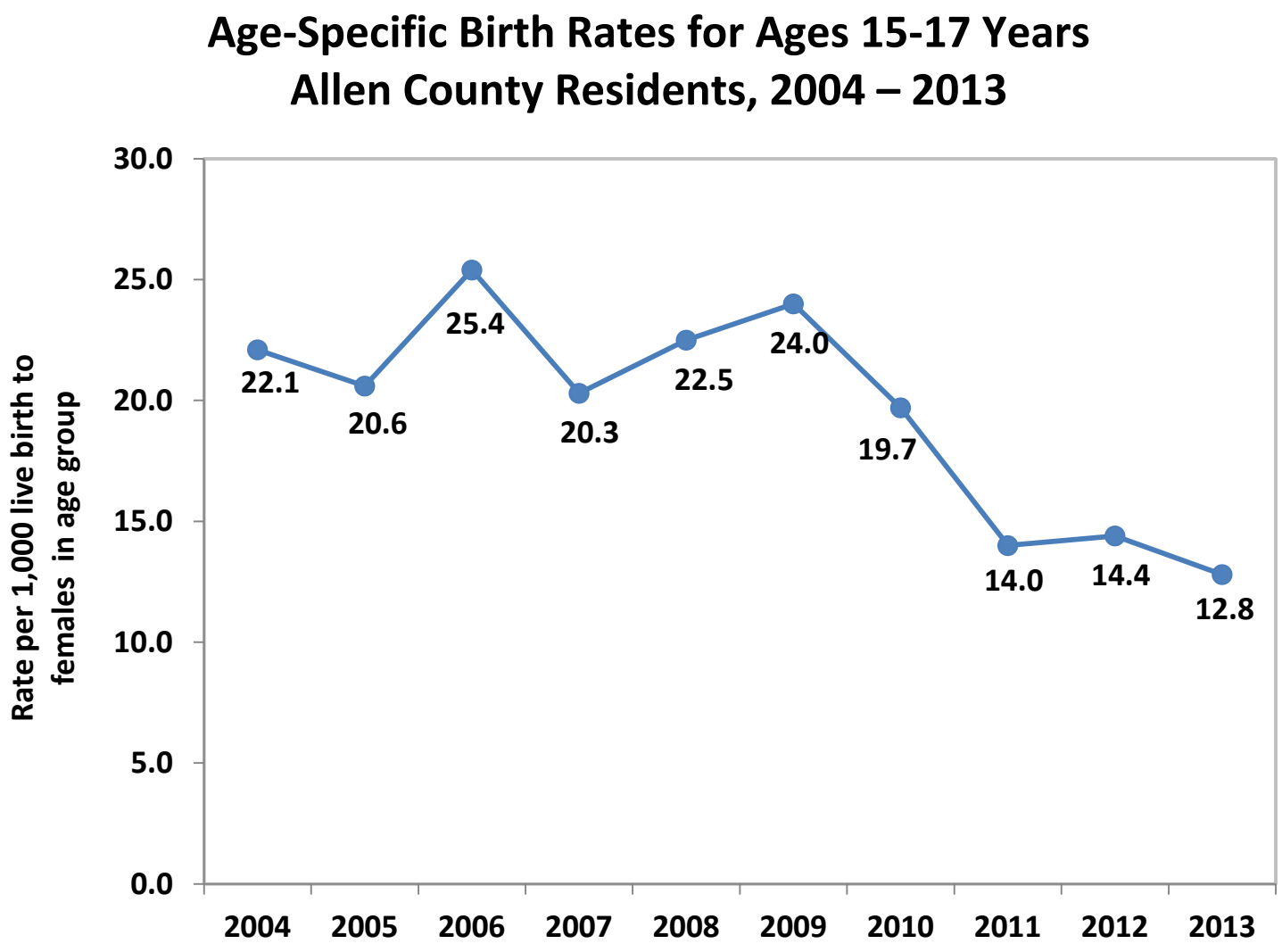
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
15-17 Years	20.9	20.5	20.8	22.0	20.5	20.8	18.5	16.0	15.5	13.6
18-19 Years	78.1	78.8	80.3	81.2	79.1	72.9	63.8	61.2	58.5	54.9
15-19 Years	43.5	43.2	43.8	45.1	43.7	42.3	37.5	34.8	33.0	30.3

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

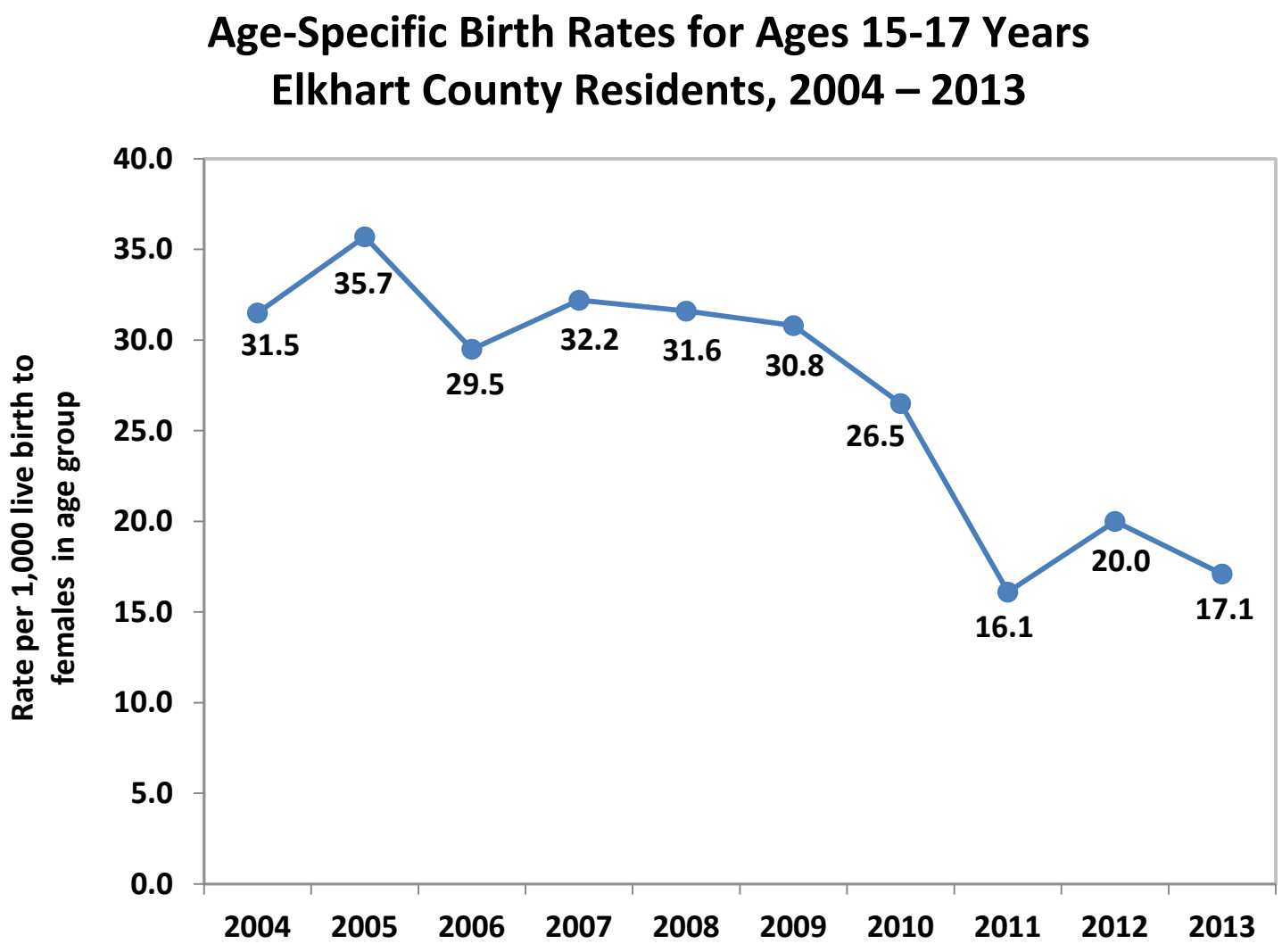
Age-Specific Birth Rates for Ages 15-17 Years
Indiana Residents, 2004 – 2013



Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

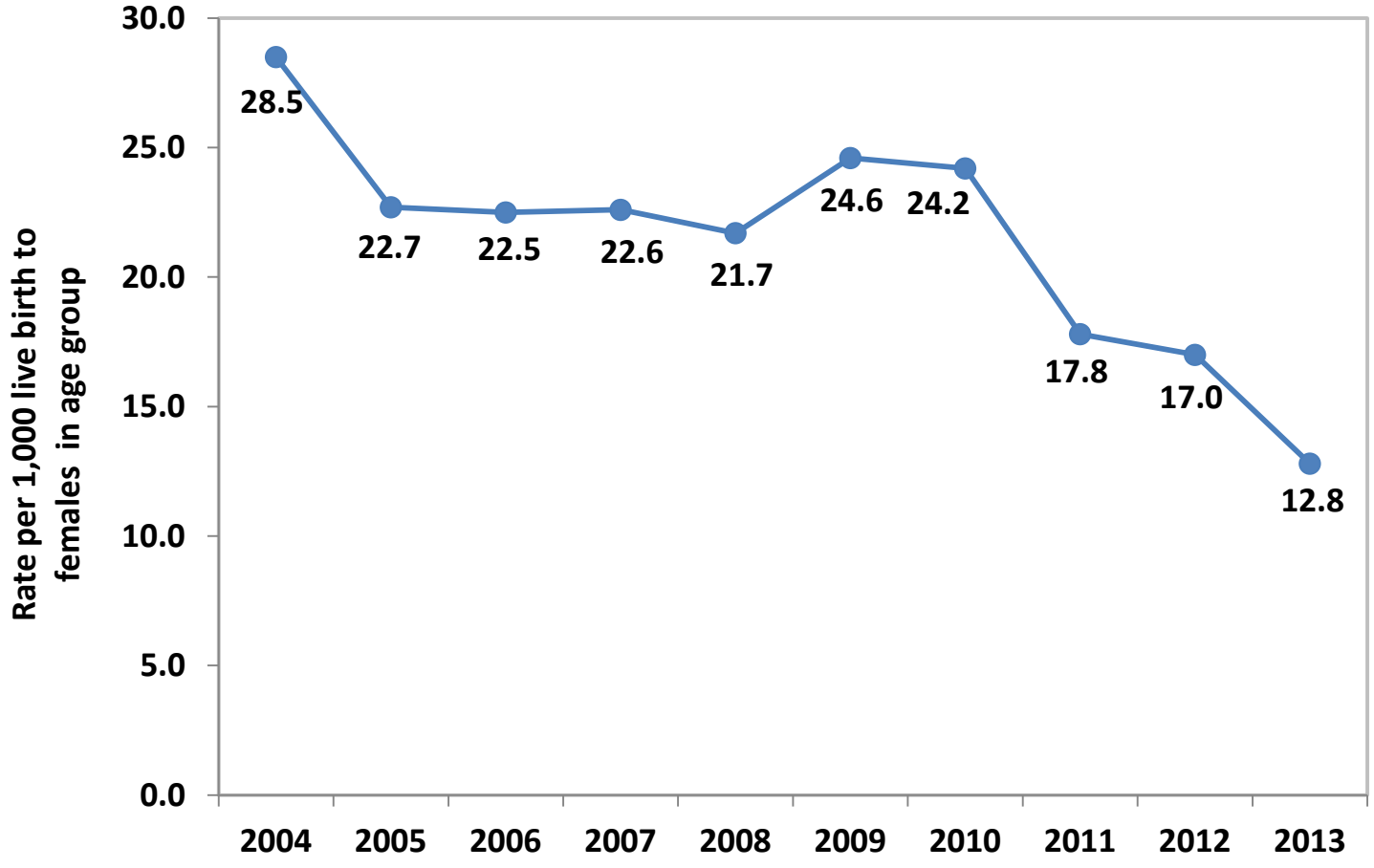


Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

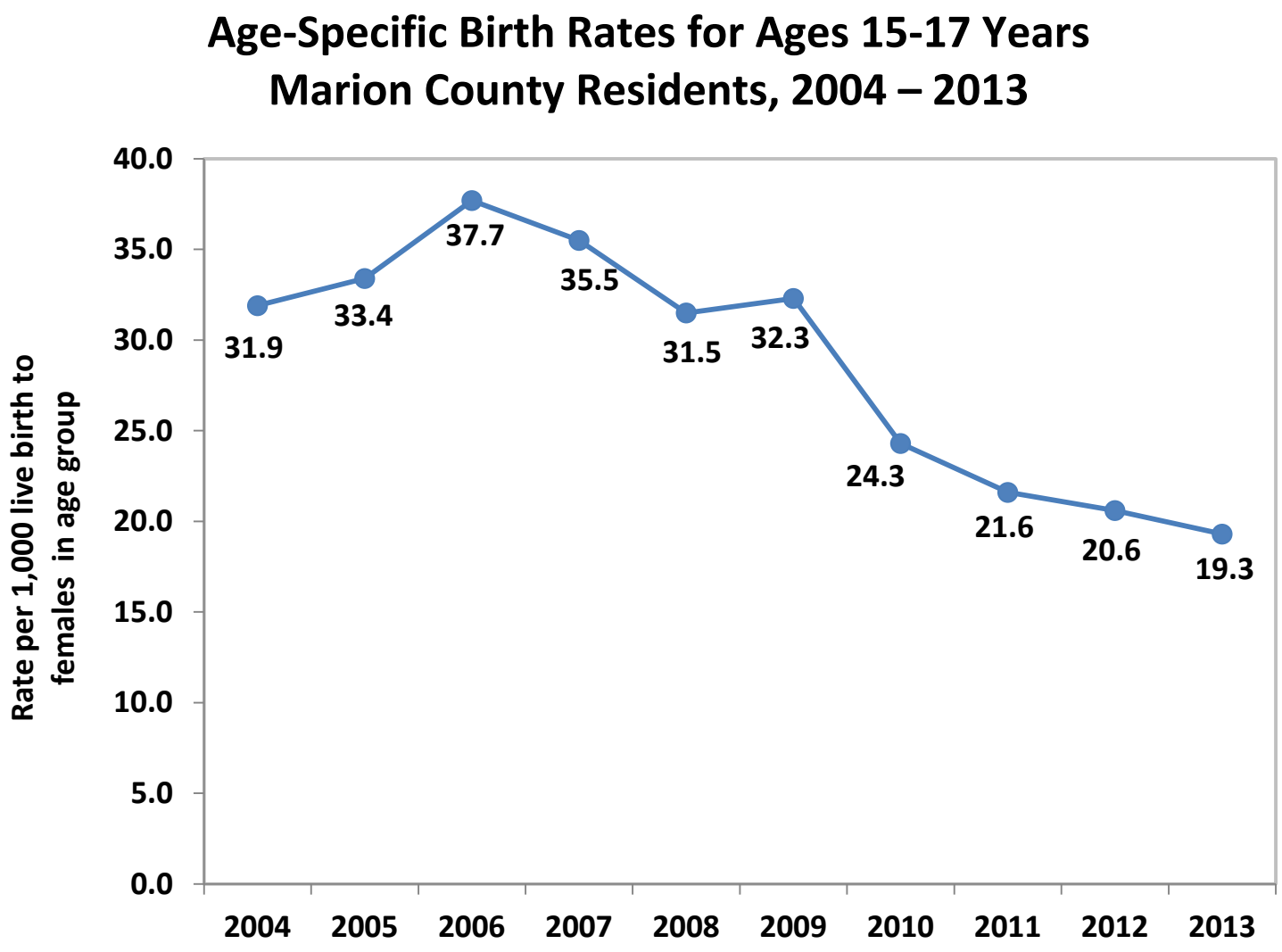


Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

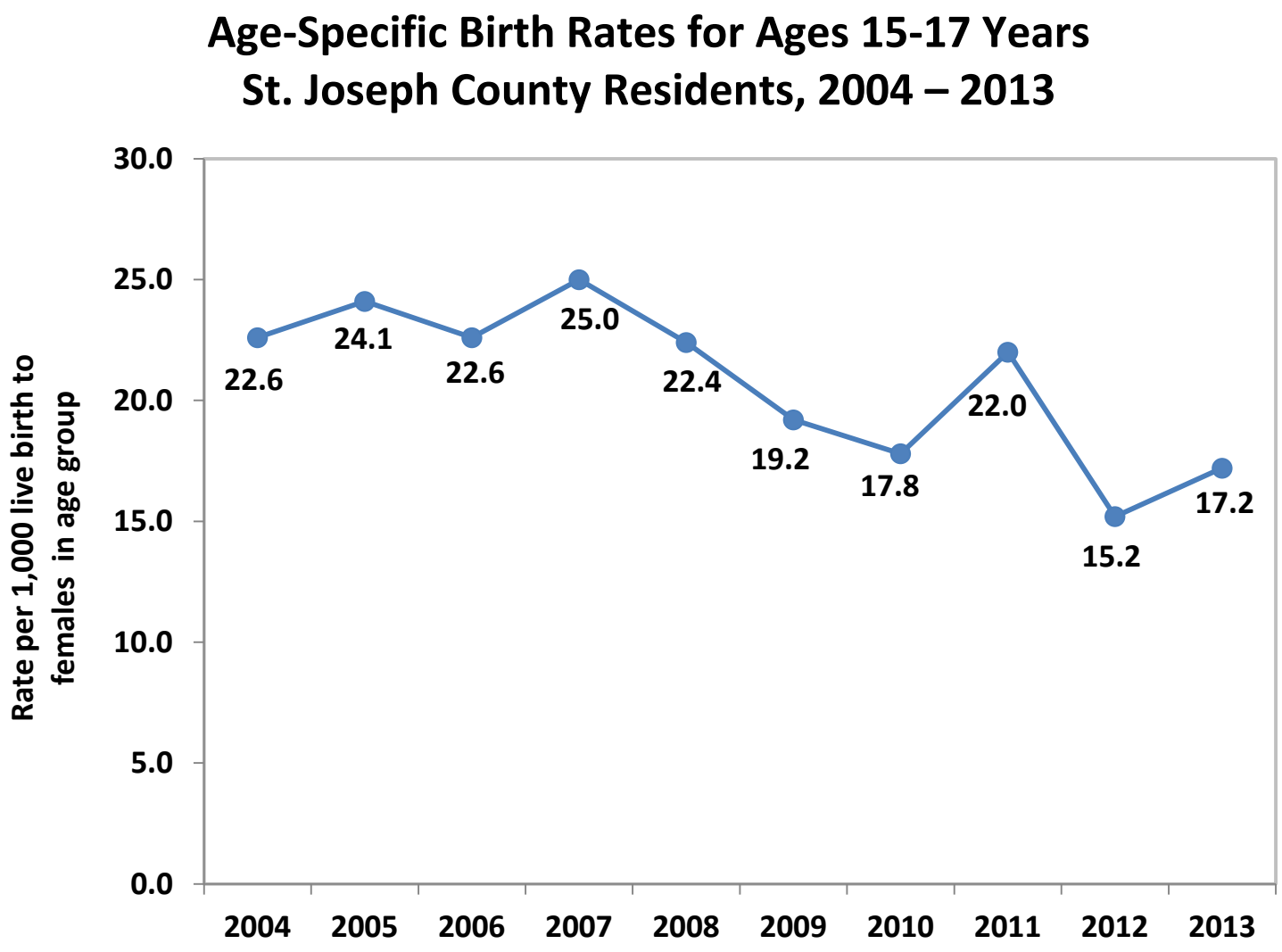
Age-Specific Birth Rates for Ages 15-17 Years
Lake County Residents, 2004 – 2013



Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

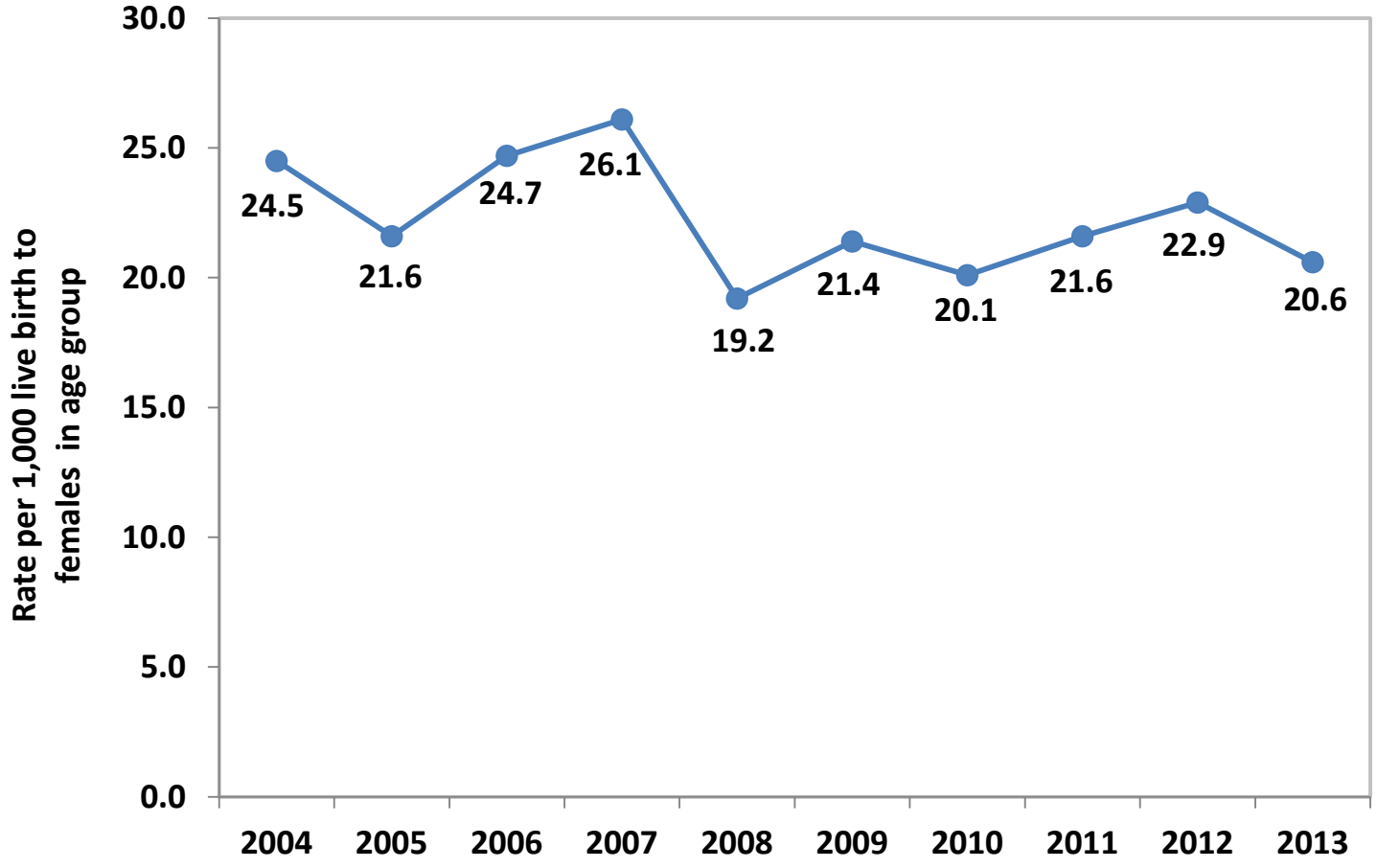


Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team



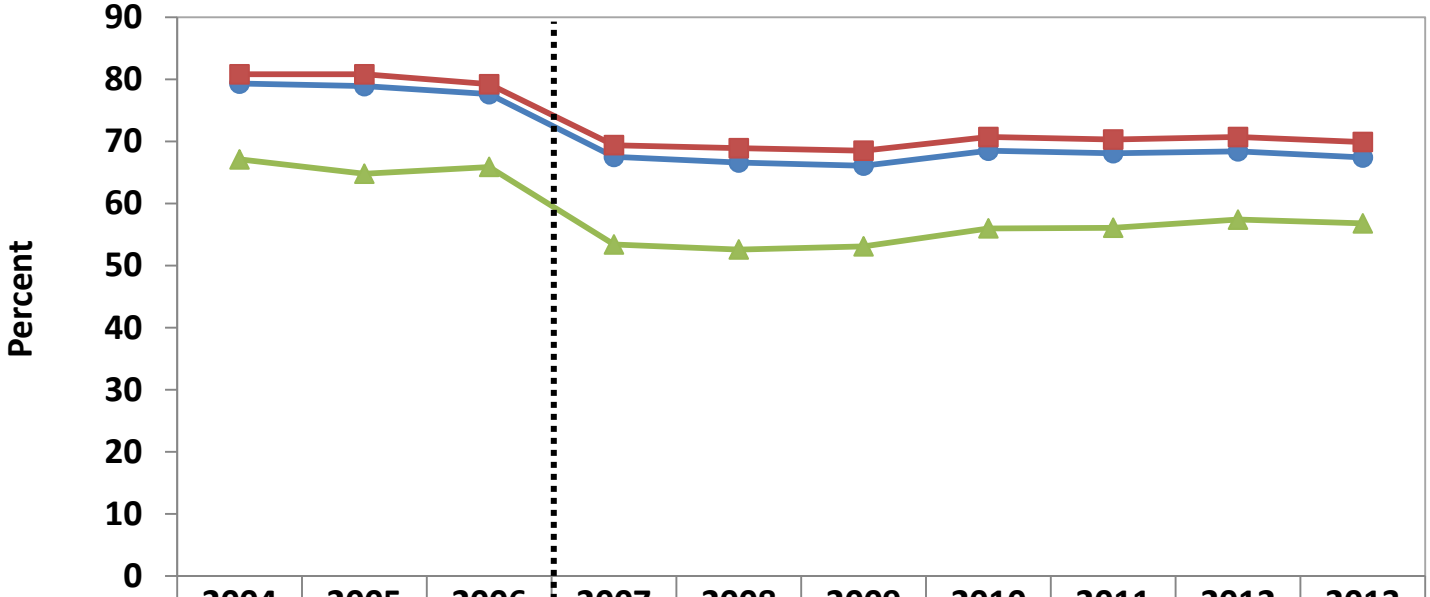
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Age-Specific Birth Rates for Ages 15-17 Years
Vanderburgh County Residents, 2004 – 2013



Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester* by Race Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	79.3	78.9	77.6	67.5	66.6	66.1	68.5	68.1	68.4	67.4
White	80.8	80.8	79.2	69.4	68.9	68.5	70.7	70.3	70.7	69.9
Black	67.1	64.8	65.9	53.4	52.6	53.1	56.0	56.1	57.4	56.8

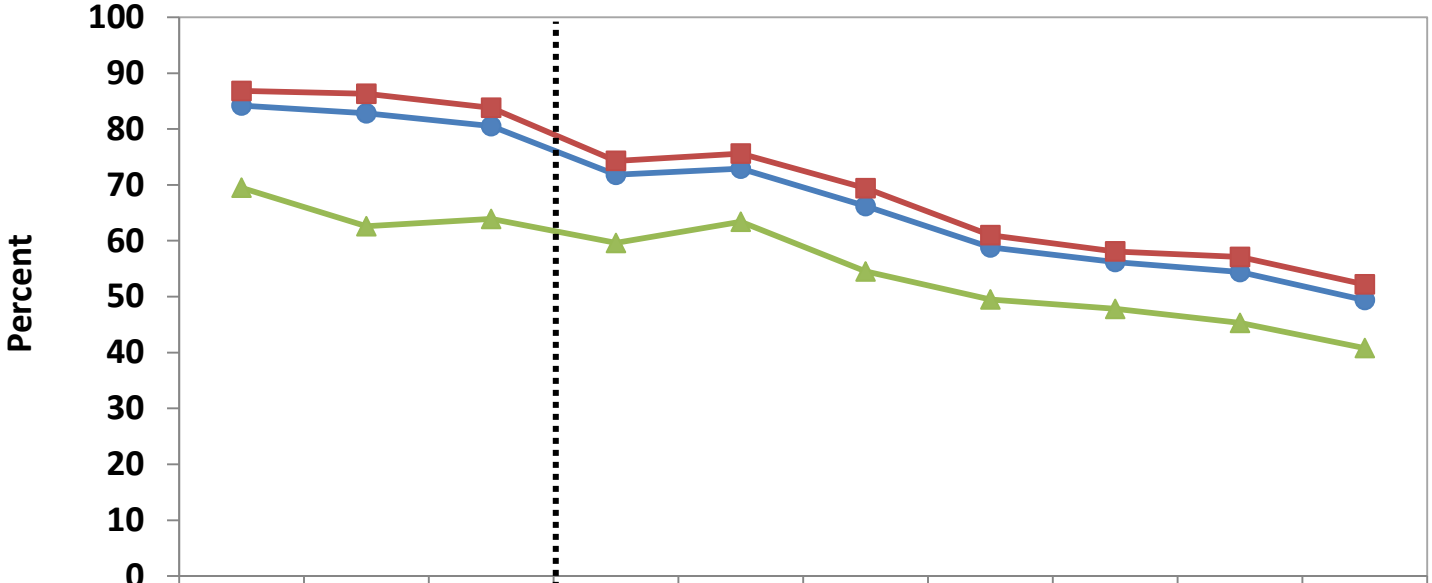
* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester* by Race Allen County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	84.2	82.8	80.5	71.8	72.9	66.2	58.8	56.2	54.4	49.4
White	86.8	86.3	83.8	74.3	75.6	69.4	61.0	58.1	57.1	52.2
Black	69.5	62.6	63.9	59.6	63.4	54.5	49.5	47.8	45.3	40.8

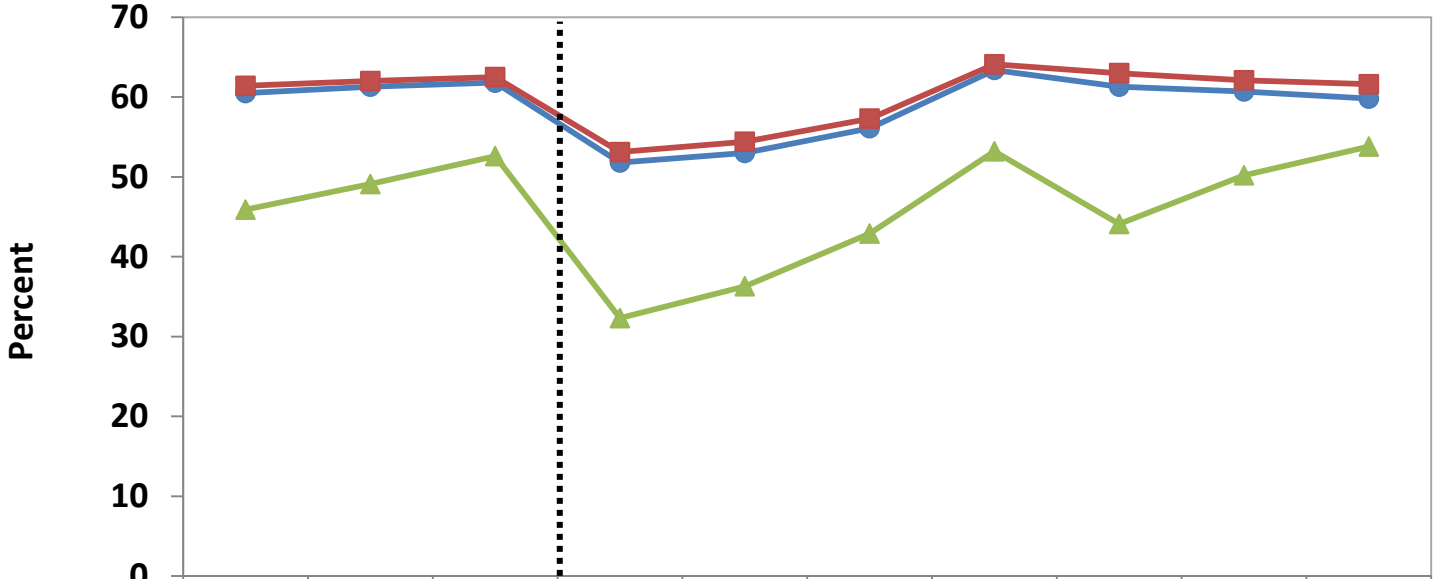
* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester* by Race Elkhart County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	60.5	61.3	61.8	51.8	53.0	56.1	63.4	61.3	60.7	59.8
White	61.4	62.0	62.5	53.1	54.4	57.3	64.1	63.0	62.1	61.6
Black	45.9	49.1	52.6	32.3	36.3	42.9	53.2	44.1	50.2	53.8

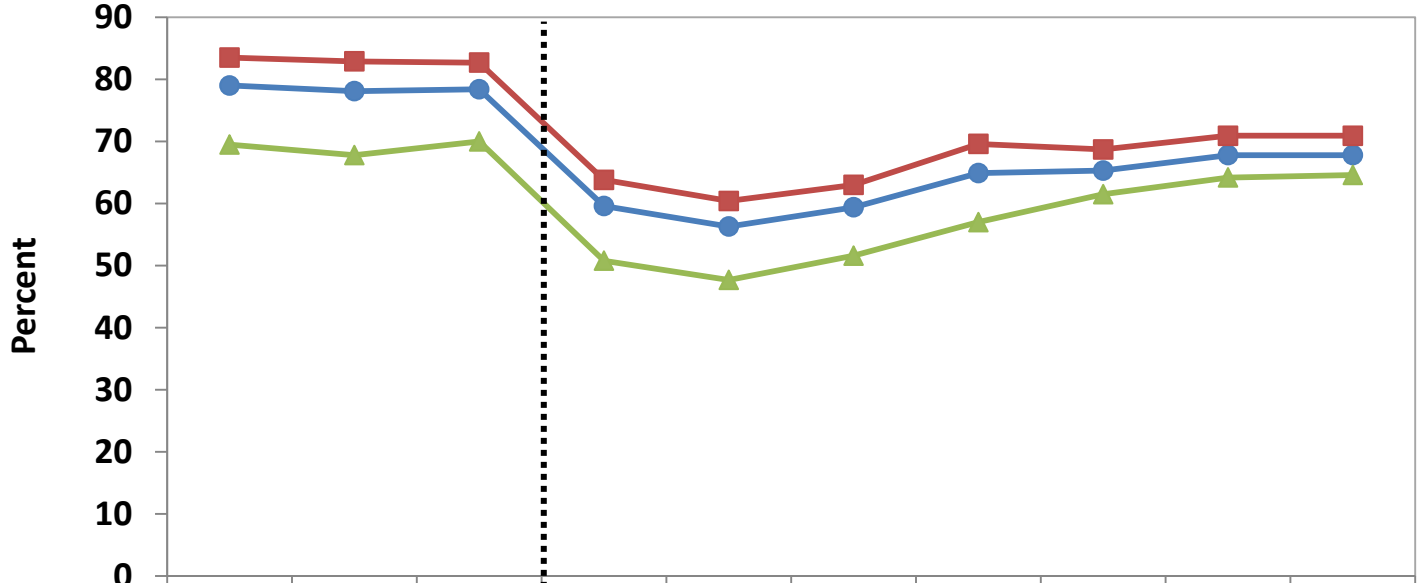
* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester* by Race Lake County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	79.0	78.1	78.4	59.6	56.3	59.4	64.9	65.3	67.8	67.8
White	83.5	82.9	82.7	63.8	60.4	63.0	69.6	68.7	70.9	70.9
Black	69.5	67.8	70.0	50.8	47.7	51.6	57.0	61.5	64.2	64.6

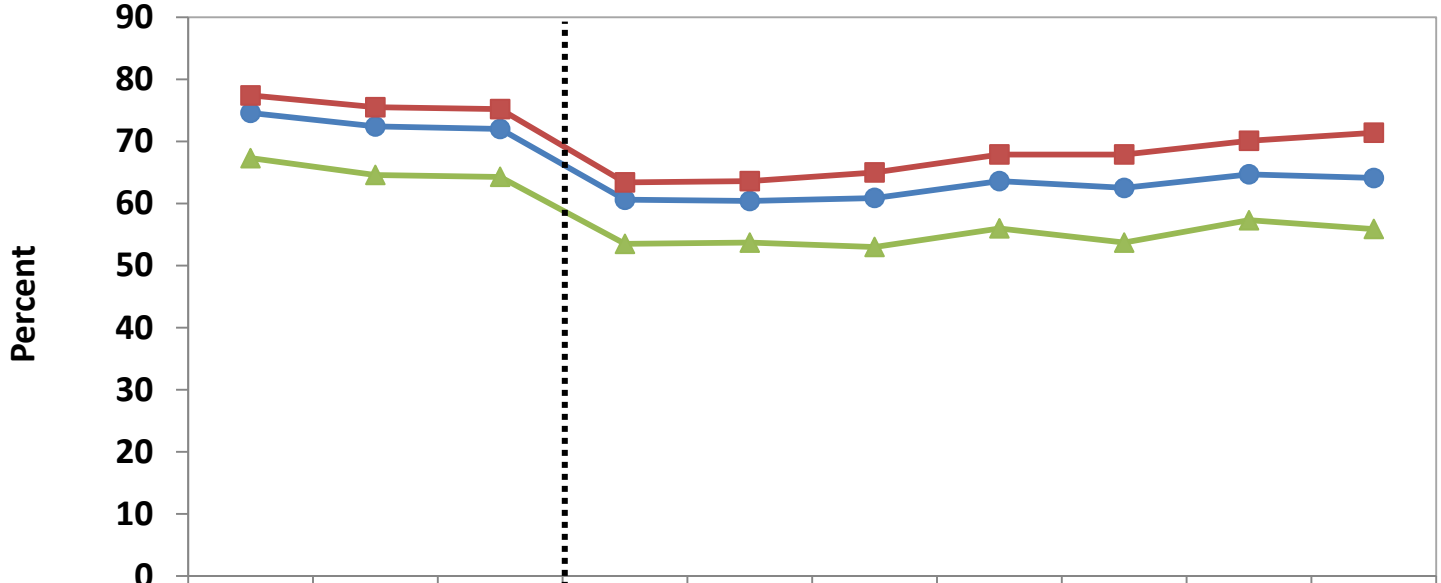
* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester* by Race Marion County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	74.6	72.4	72.0	60.6	60.4	60.9	63.6	62.5	64.7	64.1
White	77.4	75.5	75.2	63.4	63.6	65.0	67.9	67.9	70.1	71.4
Black	67.3	64.6	64.3	53.5	53.7	53.0	56.0	53.7	57.3	55.9

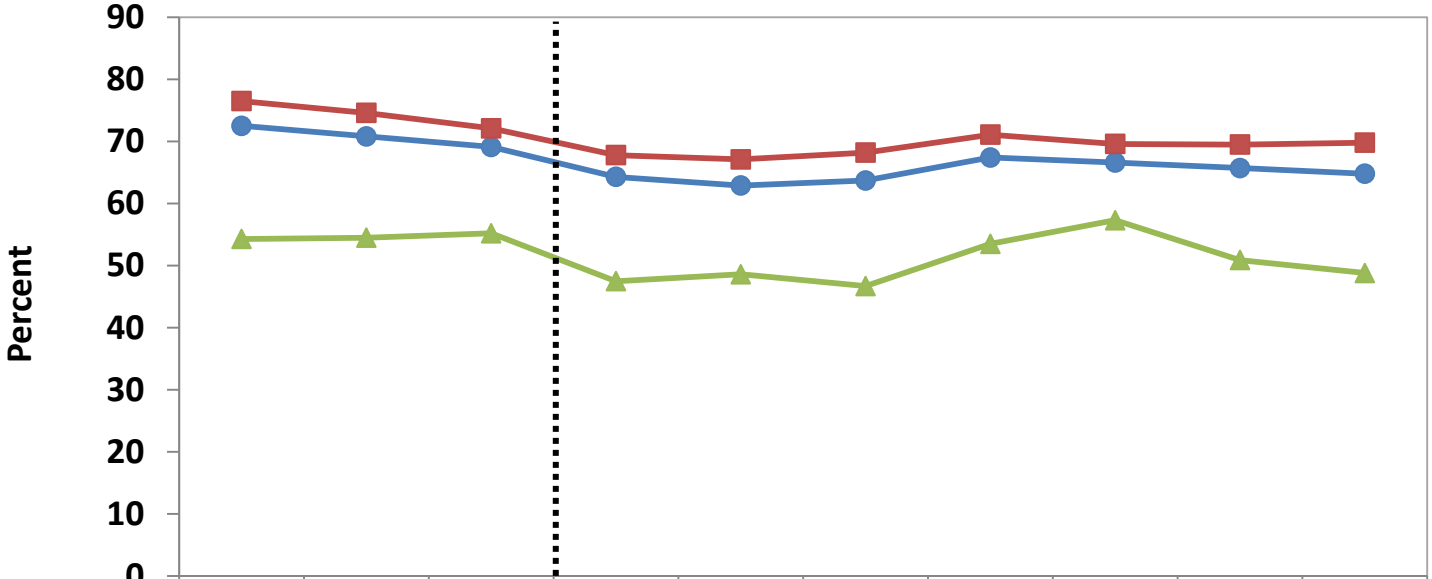
* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester* by Race St. Joseph County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	72.5	70.8	69.1	64.3	62.9	63.7	67.4	66.6	65.7	64.8
White	76.5	74.6	72.1	67.8	67.1	68.2	71.1	69.6	69.5	69.8
Black	54.3	54.5	55.2	47.5	48.6	46.7	53.5	57.3	50.9	48.8

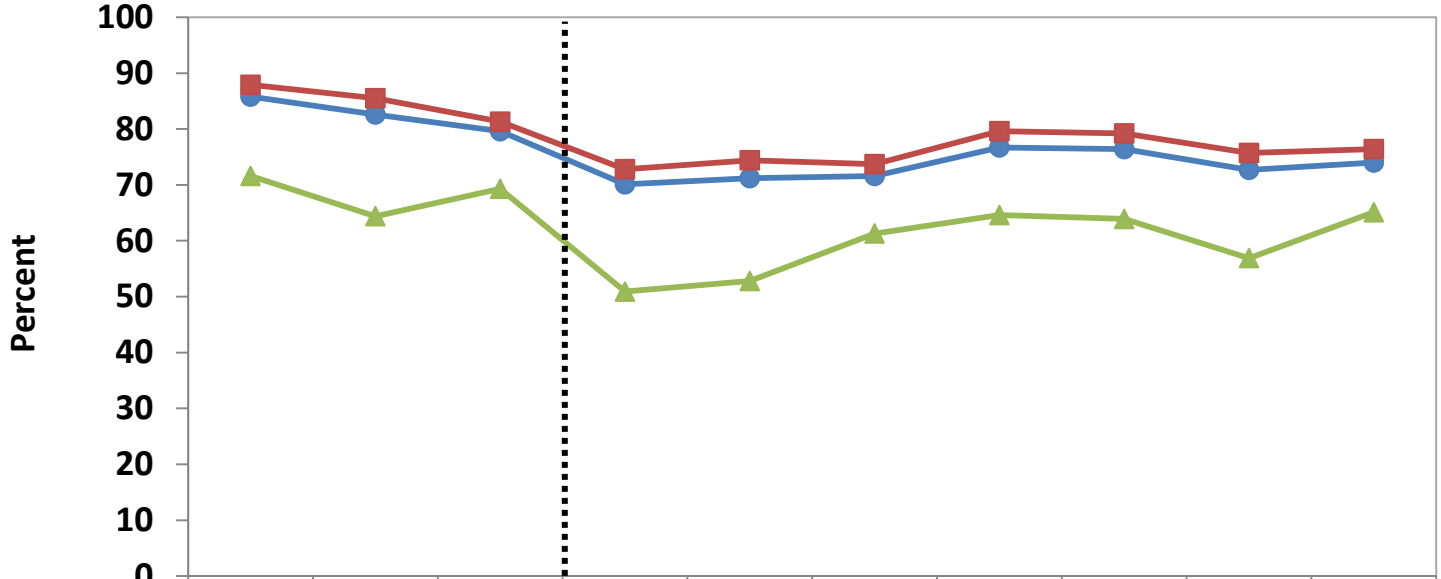
* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester* by Race Vanderburgh County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	85.8	82.6	79.6	70.1	71.2	71.6	76.7	76.4	72.7	74.0
White	87.9	85.5	81.3	72.8	74.4	73.7	79.6	79.2	75.7	76.4
Black	71.6	64.4	69.3	50.9	52.8	61.3	64.6	63.9	56.9	65.1

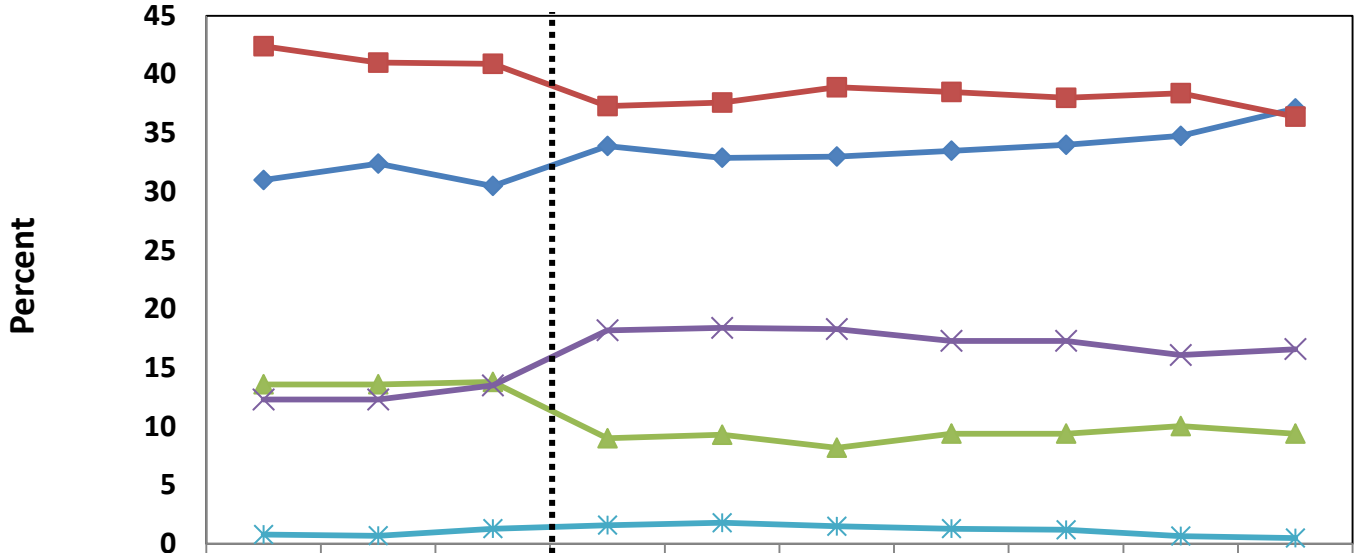
* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Adequacy of Prenatal Care Utilization (Kotelchuck Index)*
Indiana Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Adequate Plus	31.0	32.4	30.5	33.9	32.9	33.0	33.5	34.0	34.8	37.1
Adequate	42.4	41.0	40.9	37.3	37.6	38.9	38.5	38.0	38.4	36.4
Intermediate	13.6	13.6	13.8	9.0	9.3	8.2	9.4	9.4	10.0	9.4
Inadequate	12.3	12.3	13.5	18.2	18.4	18.3	17.3	17.3	16.1	16.6
No Care	0.8	0.7	1.3	1.6	1.8	1.5	1.3	1.2	0.7	0.5

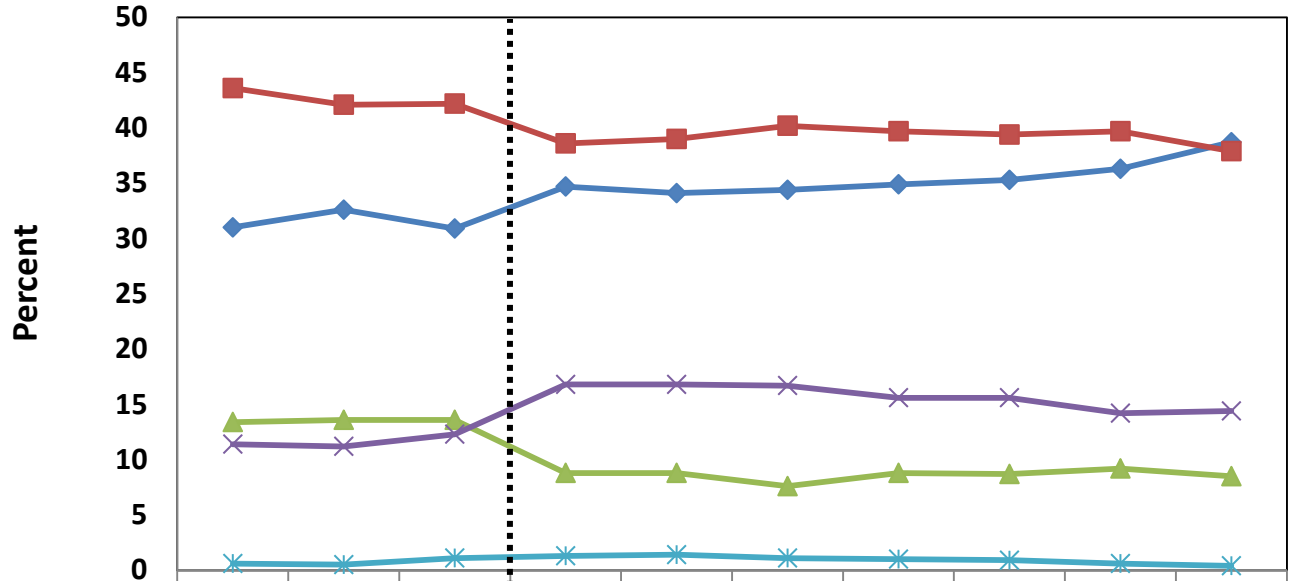
*Because of birth certificate revisions in 2007, Kotelchuck data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and do not include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Adequacy of Prenatal Care Utilization (Kotelchuck Index)*
White Population, Indiana Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Adequate Plus	31.0	32.6	30.9	34.7	34.1	34.4	34.9	35.3	36.3	38.7
Adequate	43.6	42.1	42.2	38.6	39.0	40.2	39.7	39.4	39.7	37.9
Intermediate	13.4	13.6	13.6	8.8	8.8	7.6	8.8	8.7	9.2	8.5
Inadequate	11.4	11.2	12.3	16.8	16.8	16.7	15.6	15.6	14.2	14.4
No Care	0.6	0.5	1.1	1.3	1.4	1.1	1.0	0.9	0.6	0.4

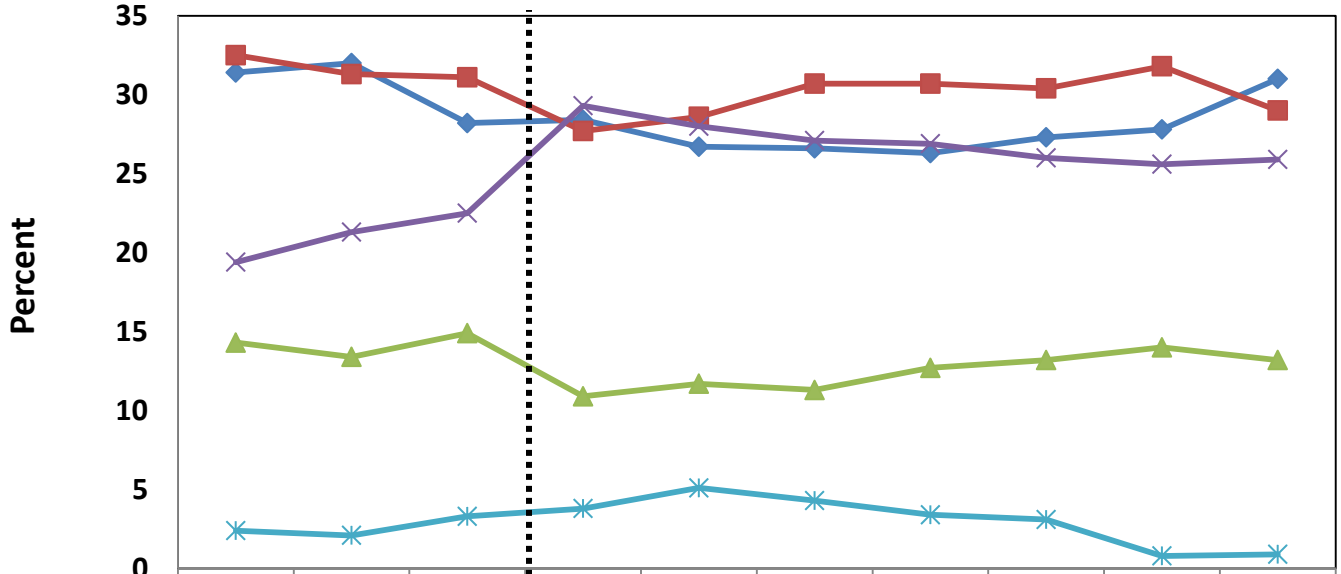
*Because of birth certificate revisions in 2007, Kotelchuck data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and do not include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Adequacy of Prenatal Care Utilization (Kotelchuck Index)*
Black Population, Indiana Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Adequate Plus	31.4	32.0	28.2	28.4	26.7	26.6	26.3	27.3	27.8	31.0
Adequate	32.5	31.3	31.1	27.7	28.6	30.7	30.7	30.4	31.8	29.0
Intermediate	14.3	13.4	14.9	10.9	11.7	11.3	12.7	13.2	14.0	13.2
Inadequate	19.4	21.3	22.5	29.3	28.0	27.1	26.9	26.0	25.6	25.9
No Care	2.4	2.1	3.3	3.8	5.1	4.3	3.4	3.1	0.8	0.9

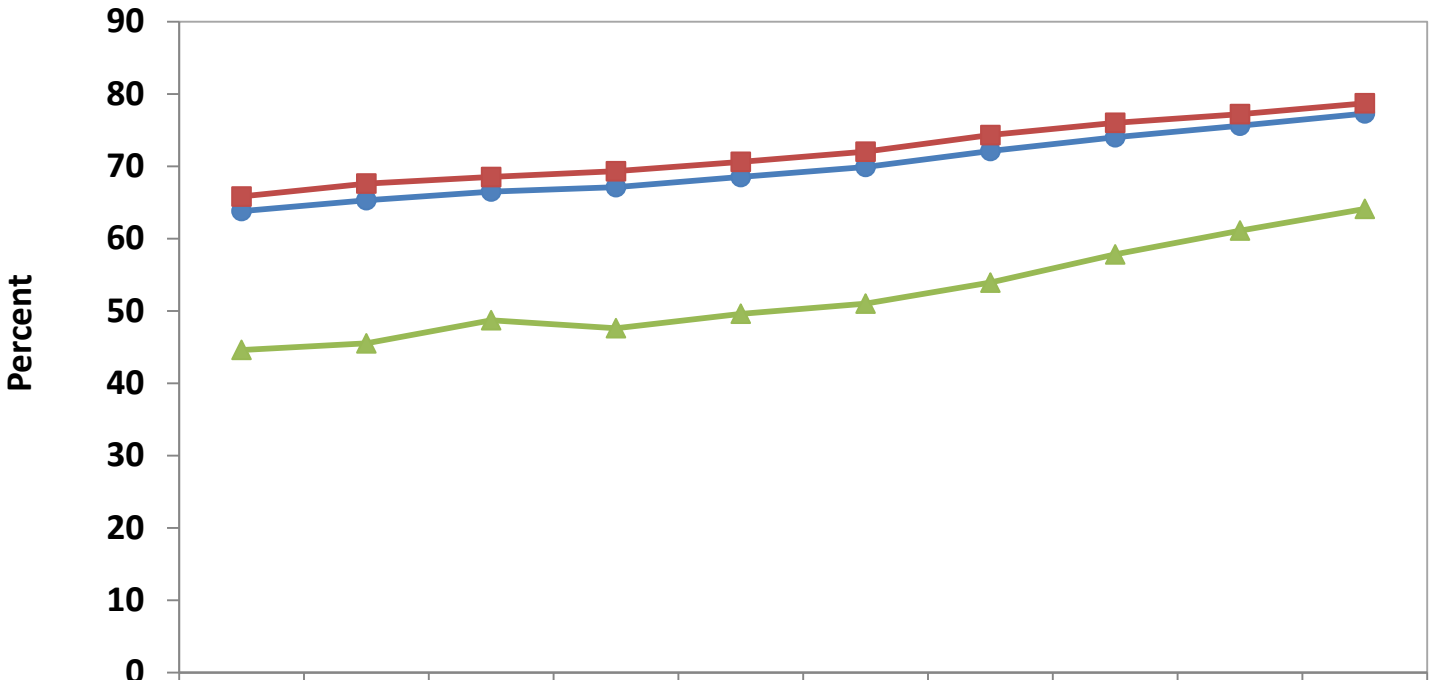
*Because of birth certificate revisions in 2007, Kotelchuck data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: The values are percentages of live births and do not include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

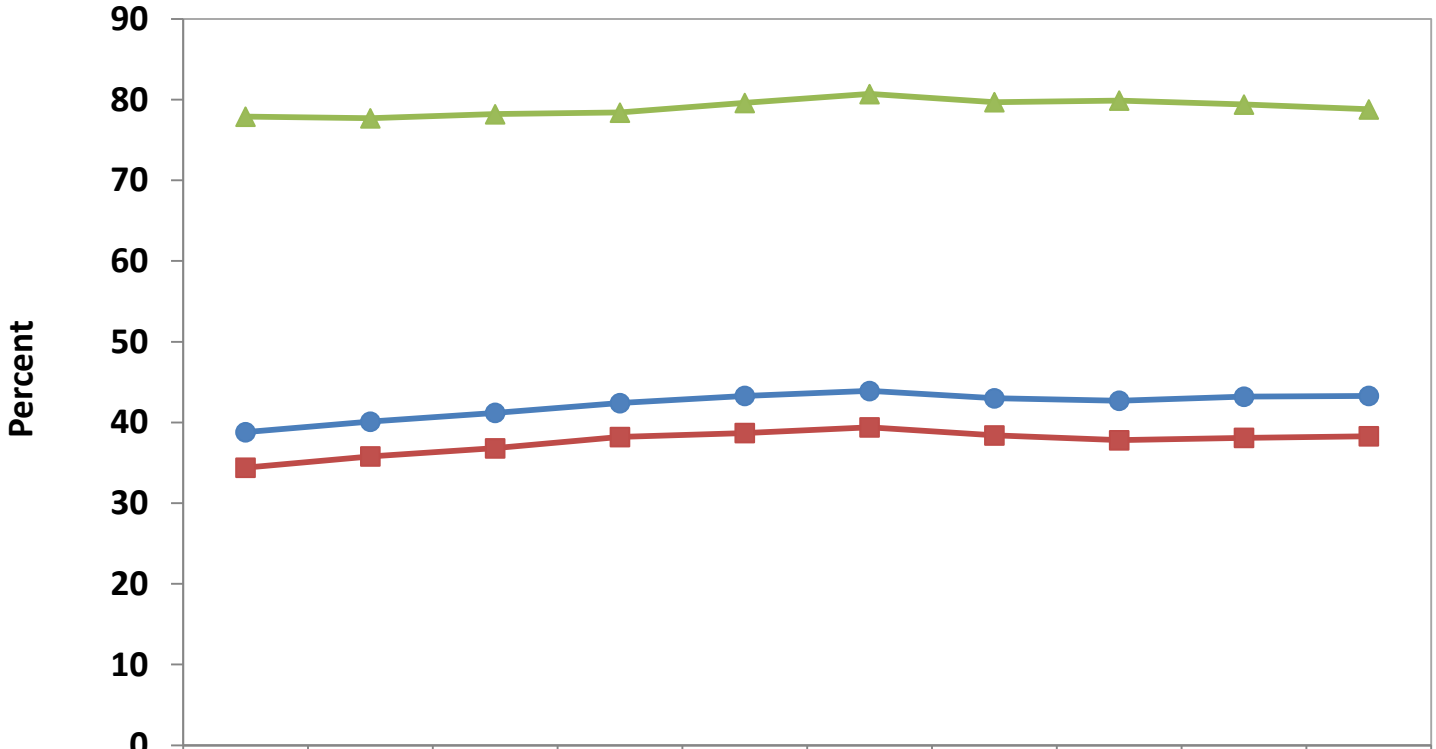
Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Race Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	63.8	65.3	66.5	67.1	68.5	69.9	72.1	74.0	75.6	77.3
White	65.8	67.6	68.5	69.3	70.6	72.0	74.3	76.0	77.2	78.7
Black	44.6	45.5	48.7	47.6	49.6	51.0	53.9	57.8	61.1	64.1

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

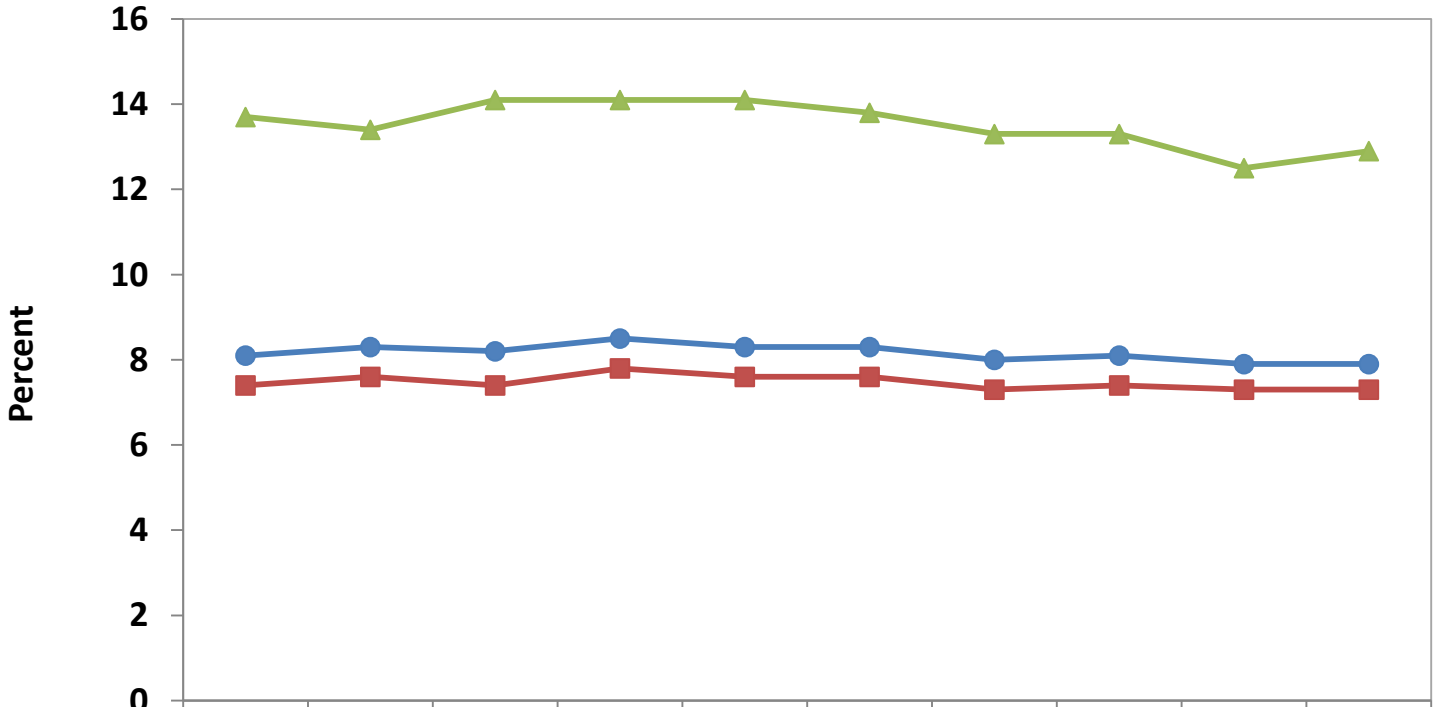
Percent of Live Births to Unmarried Mothers by Race of Mother
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	38.8	40.1	41.2	42.4	43.3	43.9	43.0	42.7	43.2	43.3
White	34.4	35.8	36.8	38.2	38.7	39.4	38.4	37.8	38.1	38.3
Black	77.9	77.7	78.2	78.4	79.6	80.7	79.7	79.9	79.4	78.8

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

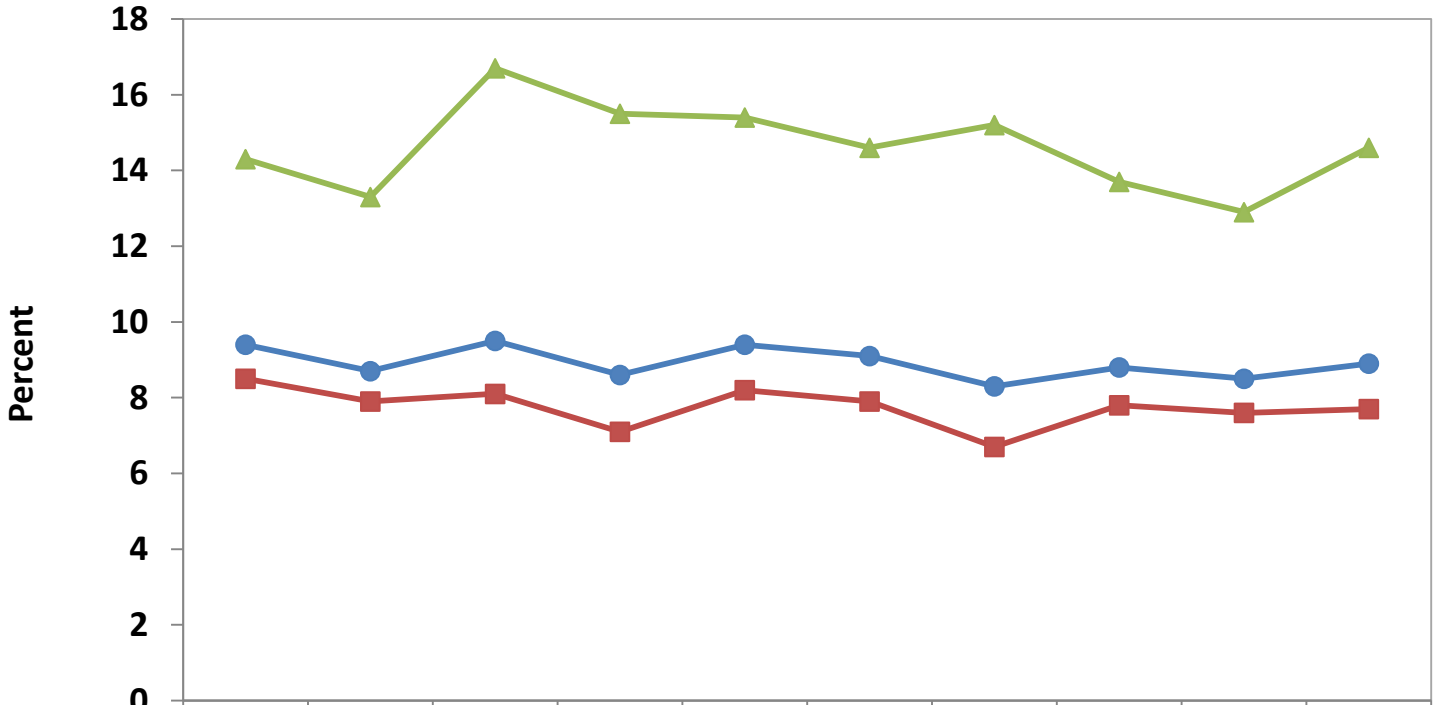
Percent of Low Birthweight Infants by Race of Mother
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	8.1	8.3	8.2	8.5	8.3	8.3	8.0	8.1	7.9	7.9
White	7.4	7.6	7.4	7.8	7.6	7.6	7.3	7.4	7.3	7.3
Black	13.7	13.4	14.1	14.1	14.1	13.8	13.3	13.3	12.5	12.9

Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

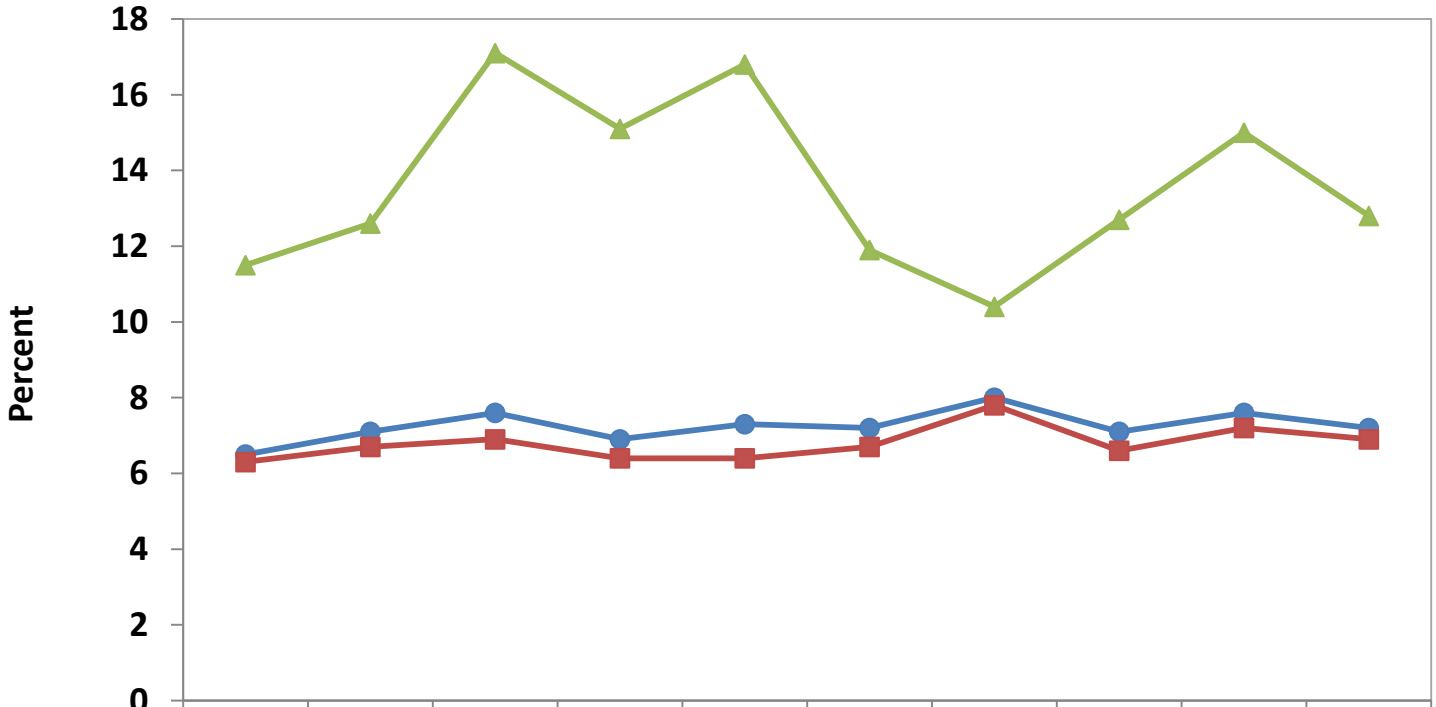
Percent of Low Birthweight Infants by Race of Mother
Allen County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	9.4	8.7	9.5	8.6	9.4	9.1	8.3	8.8	8.5	8.9
White	8.5	7.9	8.1	7.1	8.2	7.9	6.7	7.8	7.6	7.7
Black	14.3	13.3	16.7	15.5	15.4	14.6	15.2	13.7	12.9	14.6

Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

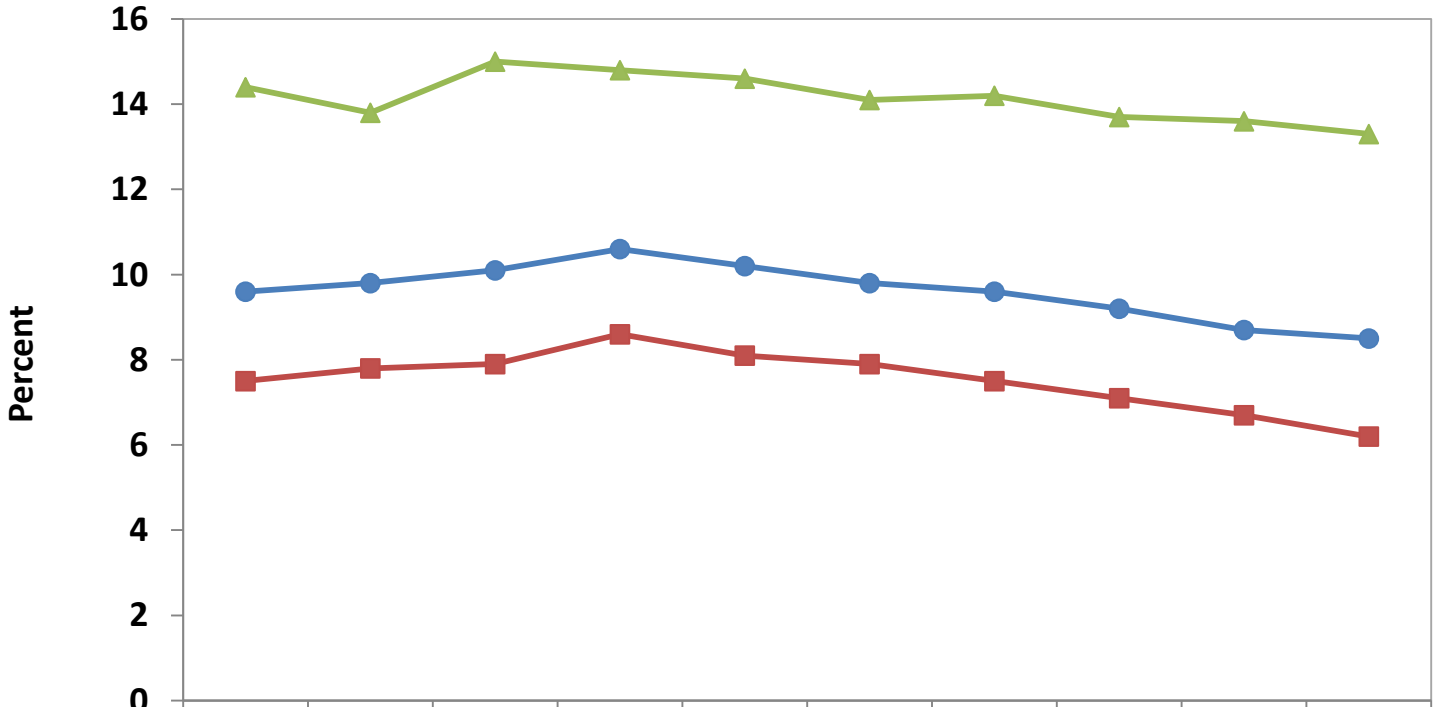
Percent of Low Birthweight Infants by Race of Mother
Elkhart County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	6.5	7.1	7.6	6.9	7.3	7.2	8.0	7.1	7.6	7.2
White	6.3	6.7	6.9	6.4	6.4	6.7	7.8	6.6	7.2	6.9
Black	11.5	12.6	17.1	15.1	16.8	11.9	10.4	12.7	15.0	12.8

Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

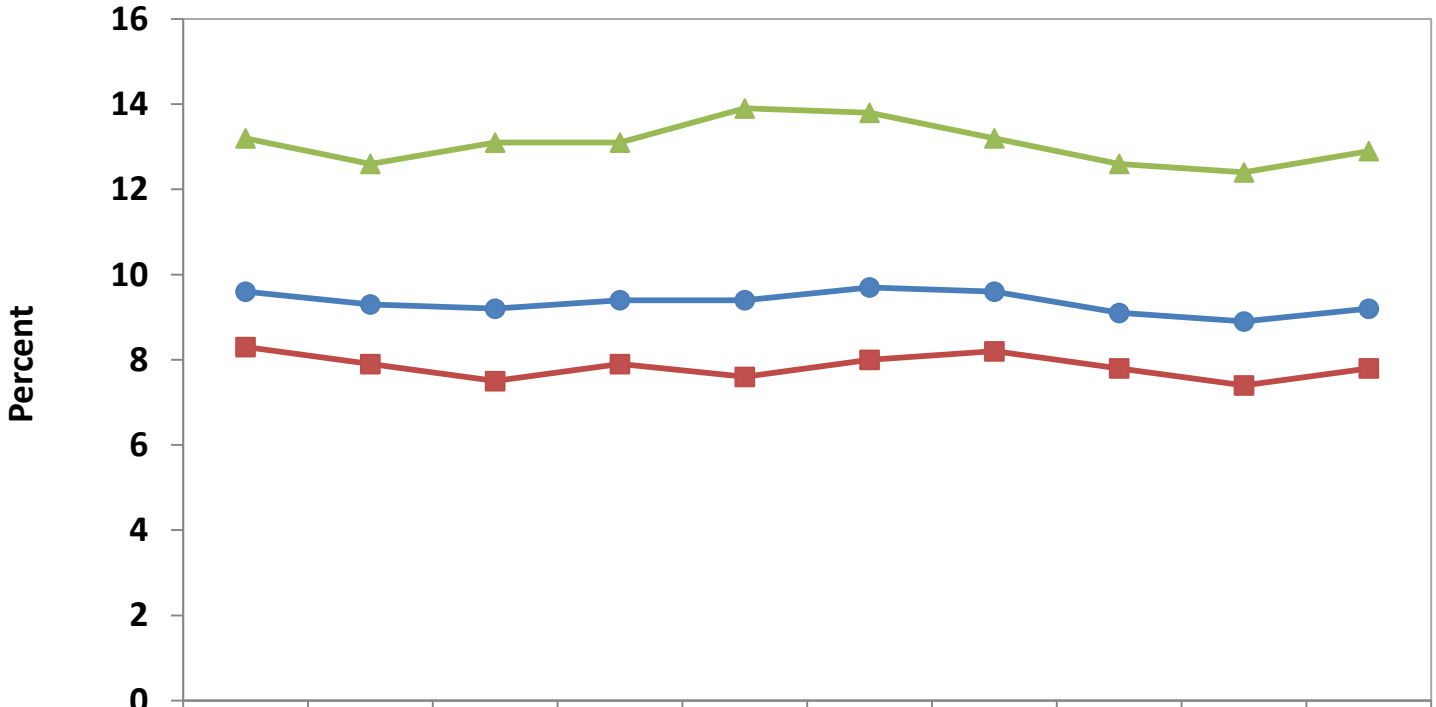
Percent of Low Birthweight Infants by Race of Mother
Lake County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	9.6	9.8	10.1	10.6	10.2	9.8	9.6	9.2	8.7	8.5
White	7.5	7.8	7.9	8.6	8.1	7.9	7.5	7.1	6.7	6.2
Black	14.4	13.8	15.0	14.8	14.6	14.1	14.2	13.7	13.6	13.3

Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

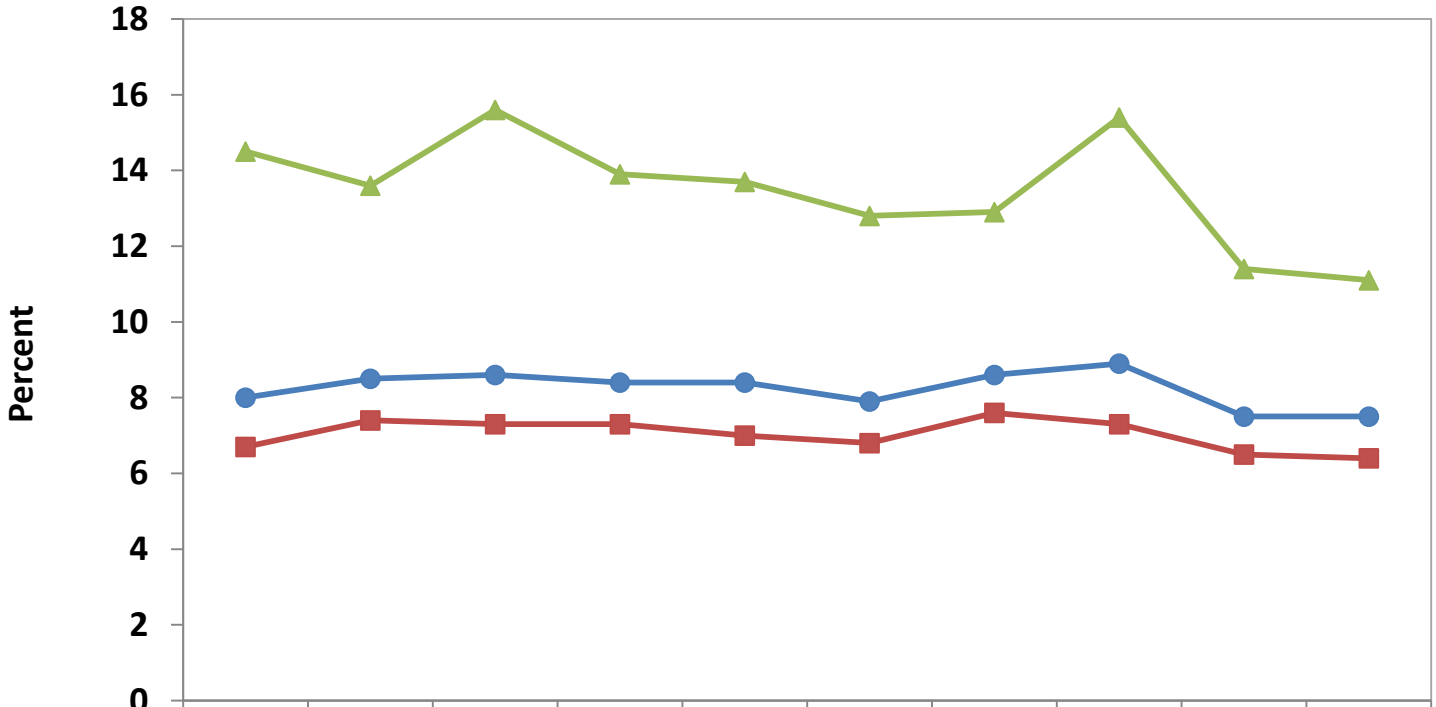
Percent of Low Birthweight Infants by Race of Mother
Marion County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	9.6	9.3	9.2	9.4	9.4	9.7	9.6	9.1	8.9	9.2
White	8.3	7.9	7.5	7.9	7.6	8.0	8.2	7.8	7.4	7.8
Black	13.2	12.6	13.1	13.1	13.9	13.8	13.2	12.6	12.4	12.9

Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

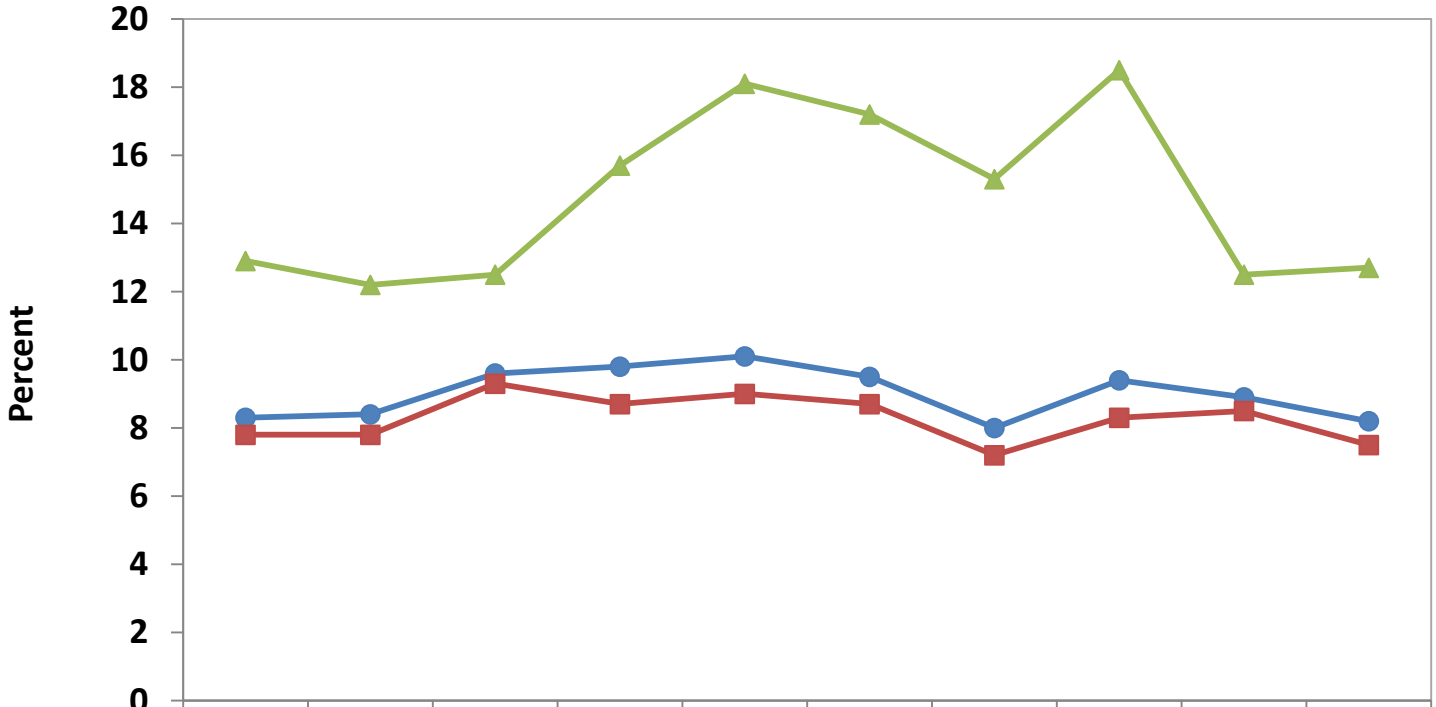
Percent of Low Birthweight Infants by Race of Mother
St. Joseph County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	8.0	8.5	8.6	8.4	8.4	7.9	8.6	8.9	7.5	7.5
White	6.7	7.4	7.3	7.3	7.0	6.8	7.6	7.3	6.5	6.4
Black	14.5	13.6	15.6	13.9	13.7	12.8	12.9	15.4	11.4	11.1

Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

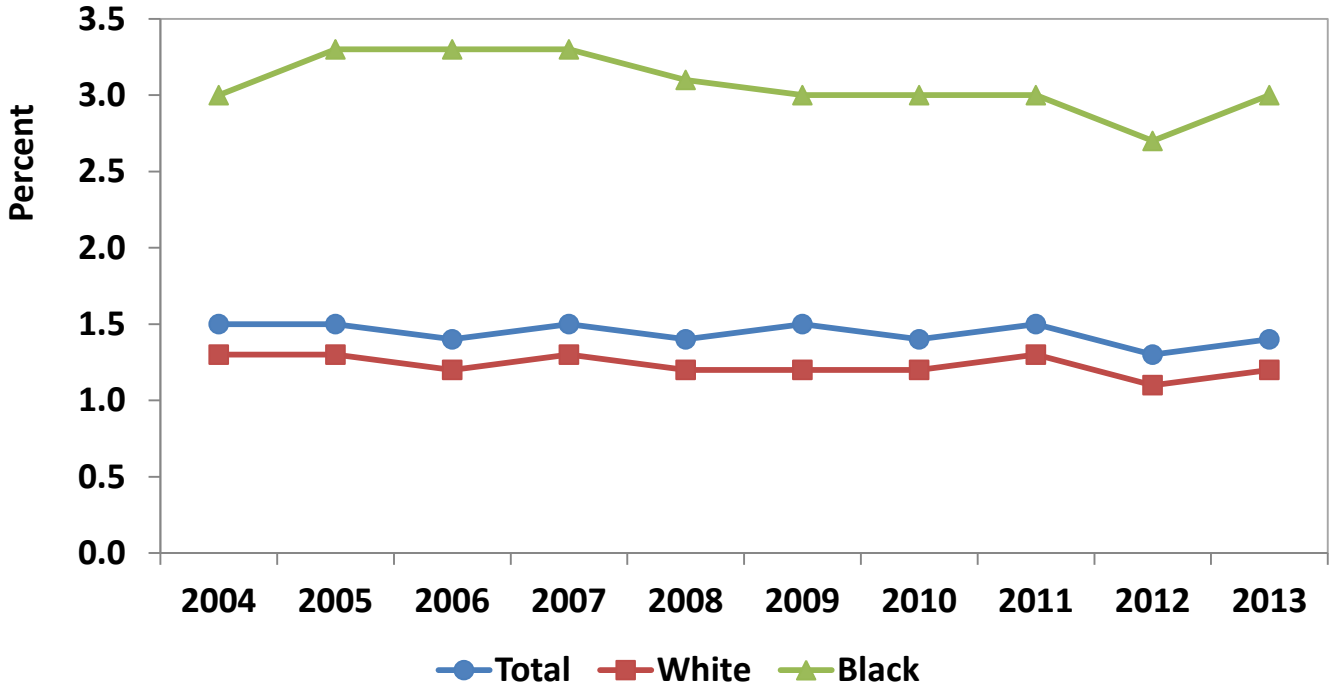
Percent of Low Birthweight Infants by Race of Mother
Vanderburgh County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	8.3	8.4	9.6	9.8	10.1	9.5	8.0	9.4	8.9	8.2
White	7.8	7.8	9.3	8.7	9.0	8.7	7.2	8.3	8.5	7.5
Black	12.9	12.2	12.5	15.7	18.1	17.2	15.3	18.5	12.5	12.7

Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

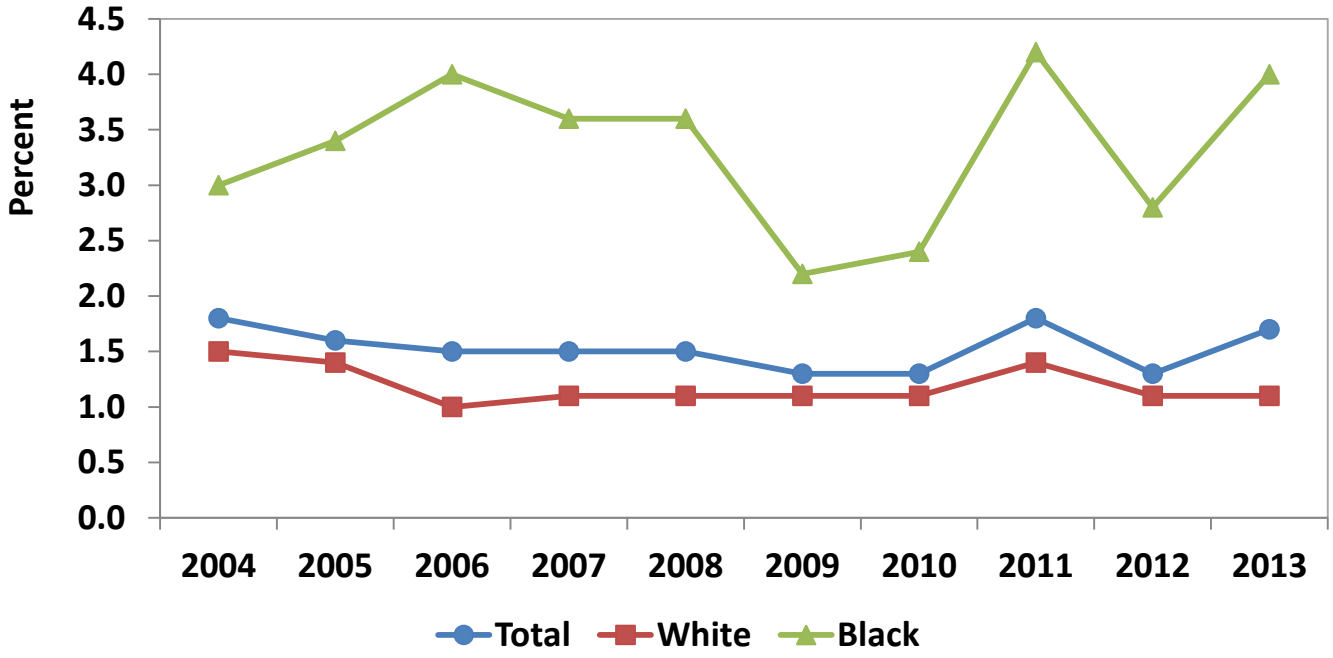
Percent of Very Low Birthweight Infants by Race of Mother
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.5	1.5	1.4	1.5	1.4	1.5	1.4	1.5	1.3	1.4
White	1.3	1.3	1.2	1.3	1.2	1.2	1.2	1.3	1.1	1.2
Black	3.0	3.3	3.3	3.3	3.1	3.0	3.0	3.0	2.7	3.0

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

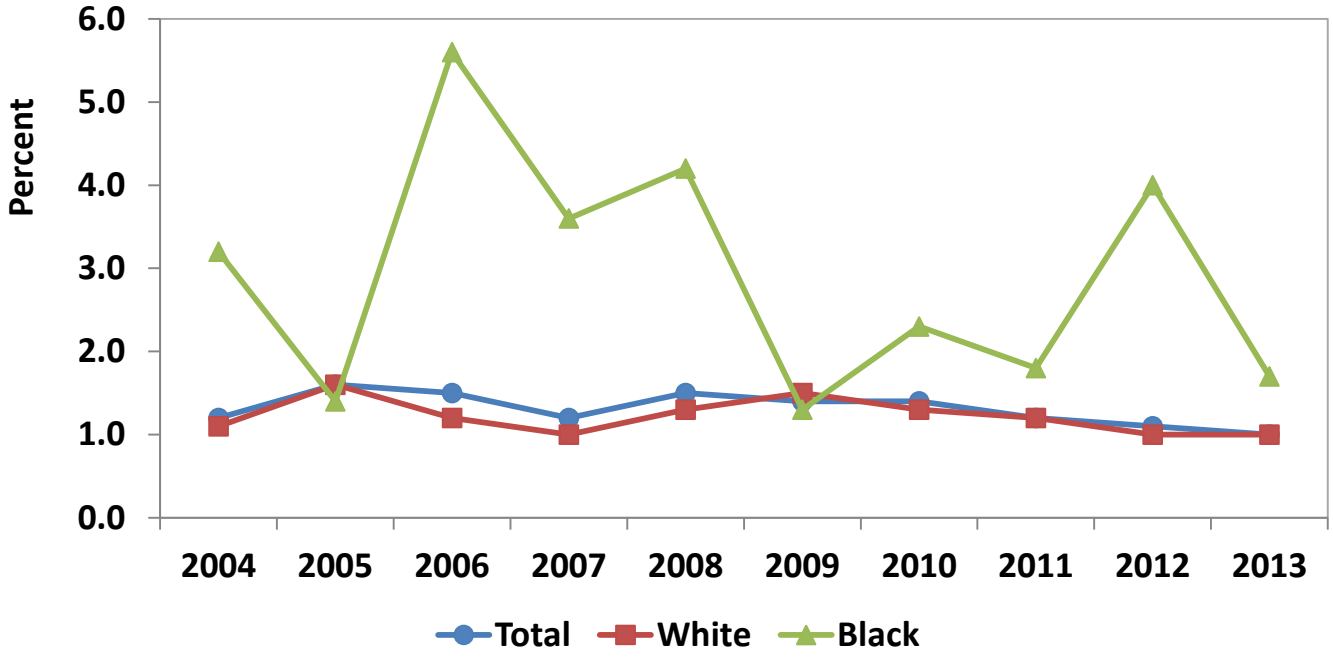
Percent of Very Low Birthweight Infants by Race of Mother
Allen County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.8	1.6	1.5	1.5	1.5	1.3	1.3	1.8	1.3	1.7
White	1.5	1.4	1.0	1.1	1.1	1.1	1.1	1.4	1.1	1.1
Black	3.0	3.4	4.0	3.6	3.6	2.2*	2.4	4.2	2.8	4.0

*Numerator is less than 20; thus the percent is unstable. We do not recommend comparing unstable percentages.
Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

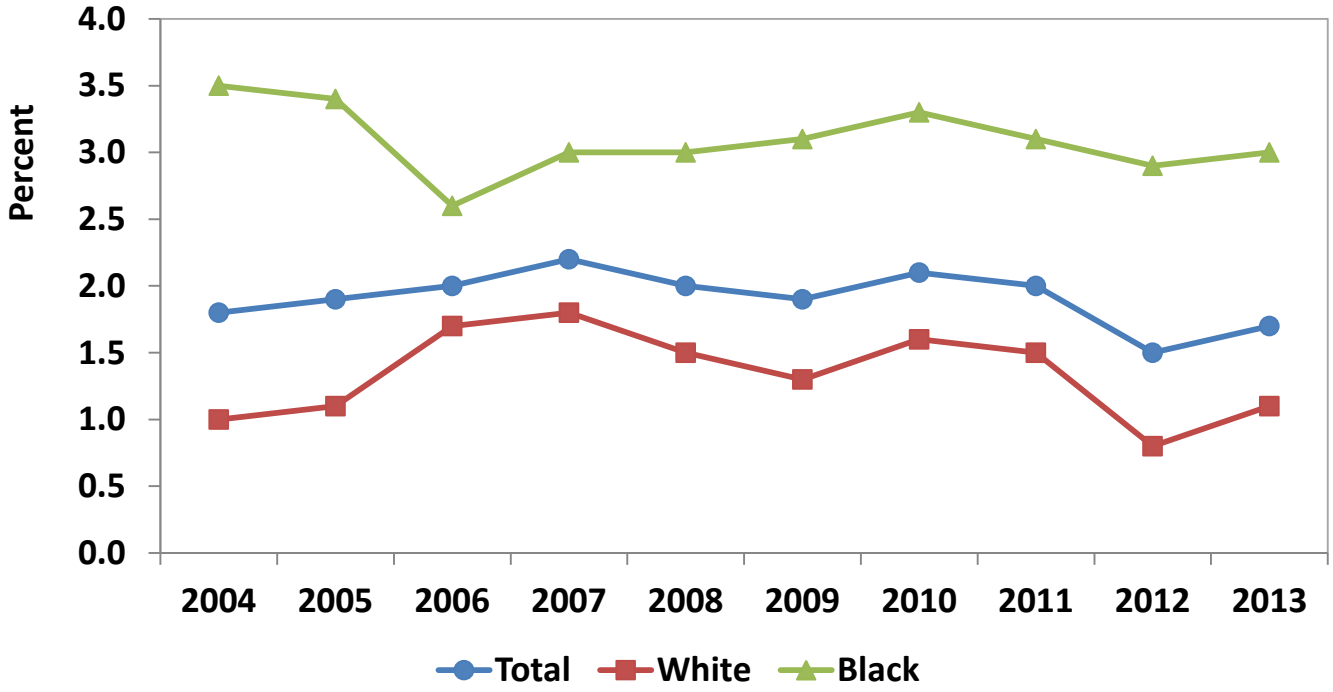
Percent of Very Low Birthweight Infants by Race of Mother
Elkhart County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.2	1.6	1.5	1.2	1.5	1.4	1.4	1.2	1.1	1.0
White	1.1	1.6	1.2	1.0	1.3	1.5	1.3	1.2	1.0	1.0
Black	3.2*	1.4*	5.6*	3.6*	4.2*	1.3*	2.3*	1.8*	4.0*	1.7*

*Numerator is less than 20; thus the percent is unstable. We do not recommend comparing unstable percentages.
Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

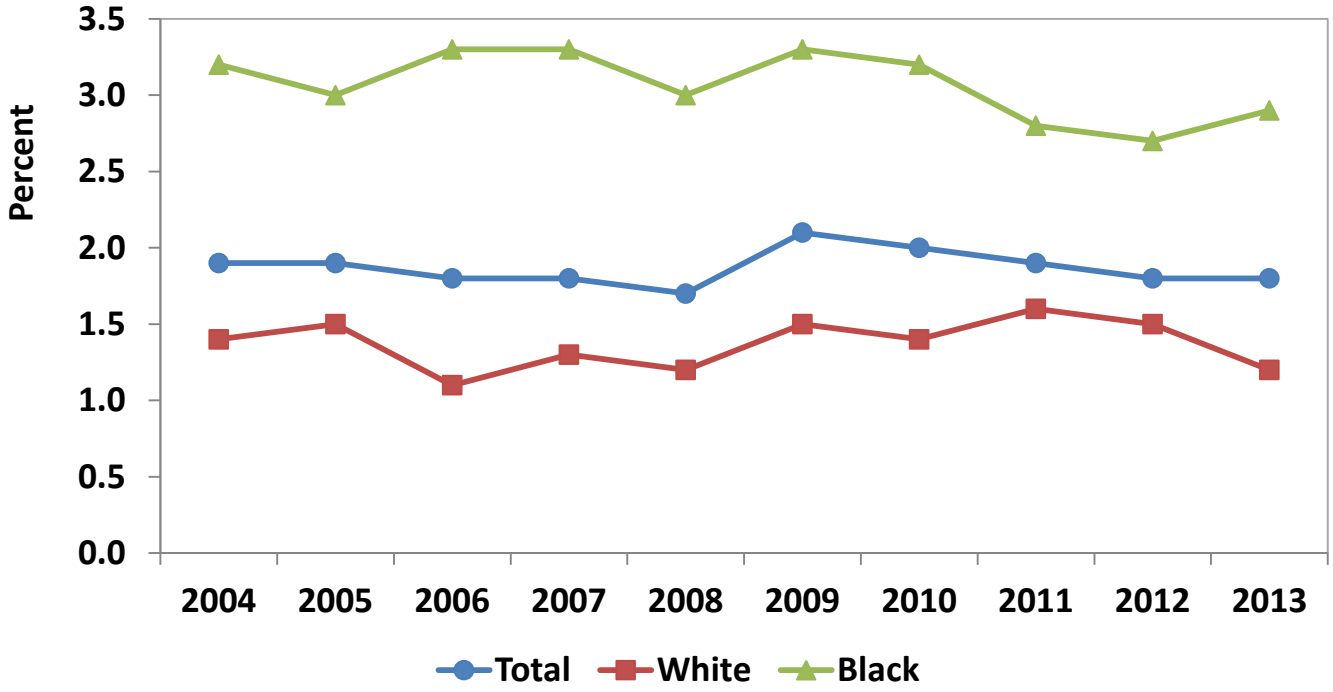
Percent of Very Low Birthweight Infants by Race of Mother
Lake County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.8	1.9	2.0	2.2	2.0	1.9	2.1	2.0	1.5	1.7
White	1.0	1.1	1.7	1.8	1.5	1.3	1.6	1.5	0.8	1.1
Black	3.5	3.4	2.6	3.0	3.0	3.1	3.3	3.1	2.9	3.0

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

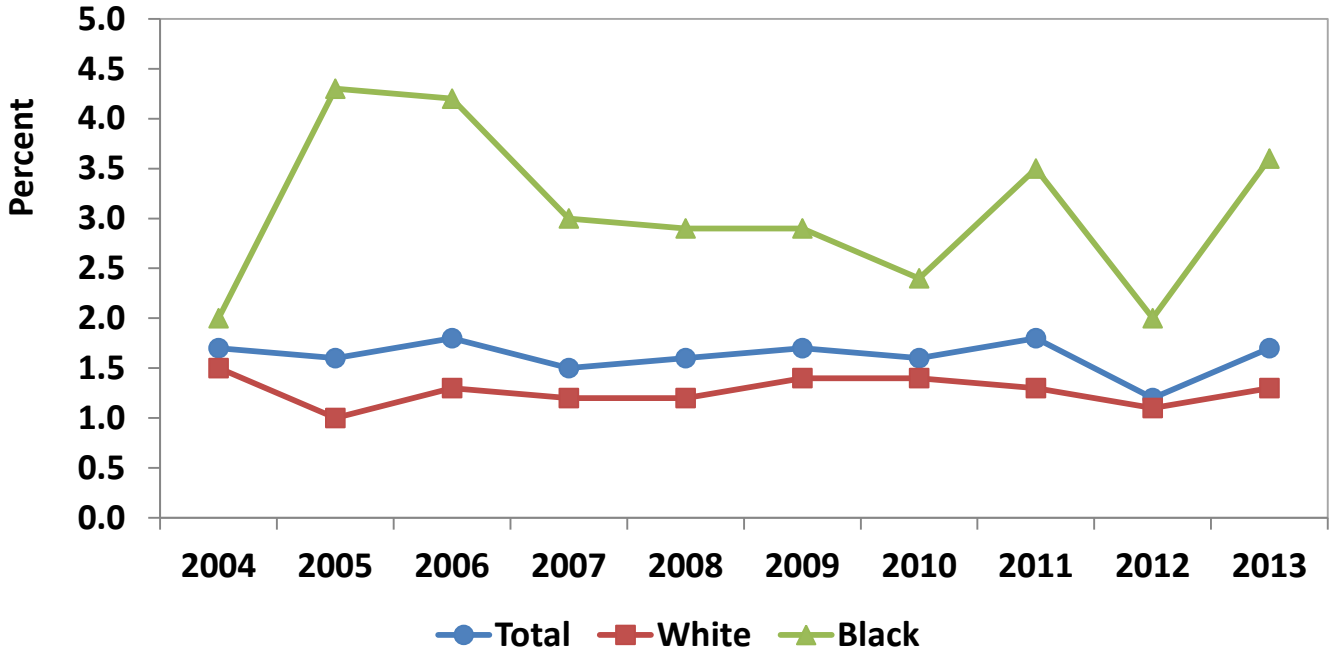
Percent of Very Low Birthweight Infants by Race of Mother
Marion County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.9	1.9	1.8	1.8	1.7	2.1	2.0	1.9	1.8	1.8
White	1.4	1.5	1.1	1.3	1.2	1.5	1.4	1.6	1.5	1.2
Black	3.2	3.0	3.3	3.3	3.0	3.3	3.2	2.8	2.7	2.9

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

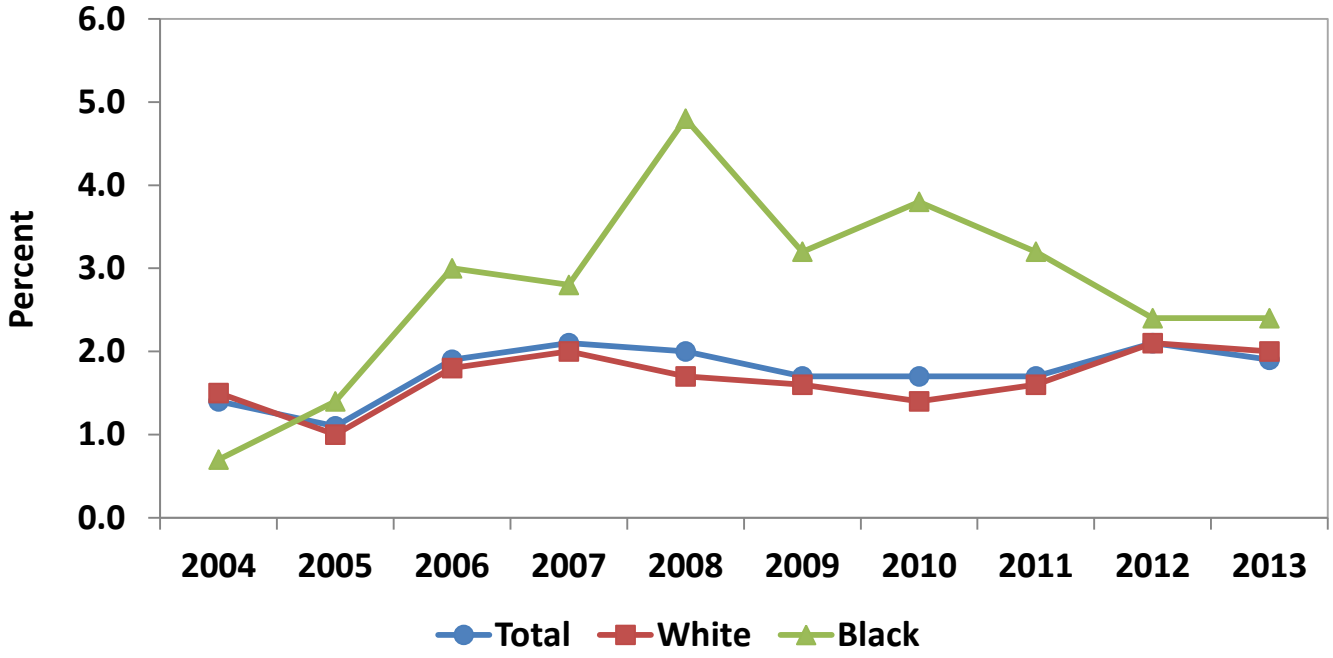
Percent of Very Low Birthweight Infants by Race of Mother
St. Joseph County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.7	1.6	1.8	1.5	1.6	1.7	1.6	1.8	1.2	1.7
White	1.5	1.0	1.3	1.2	1.2	1.4	1.4	1.3	1.1	1.3
Black	2.0*	4.3	4.2	3.0	2.9	2.9	2.4*	3.5	2.0	3.6

*Numerator is less than 20; thus the percent is unstable. We do not recommend comparing unstable percentages.
Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

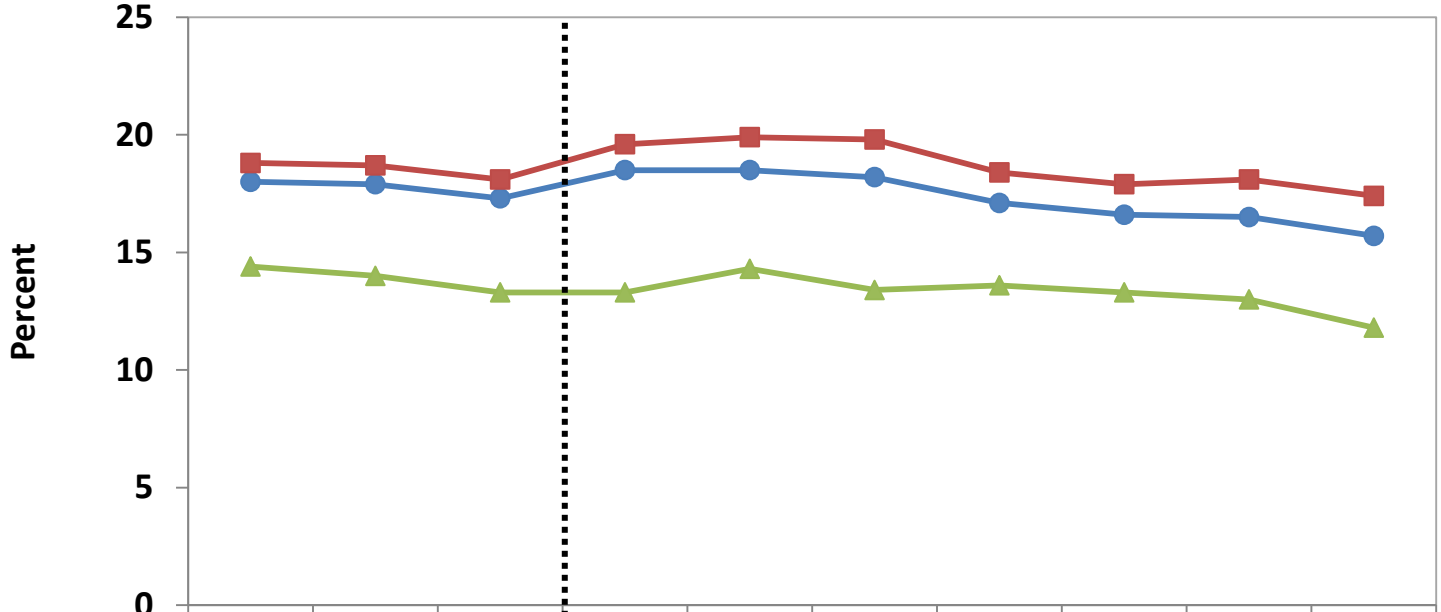
Percent of Very Low Birthweight Infants by Race of Mother
Vanderburgh County Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.4	1.1	1.9	2.1	2.0	1.7	1.7	1.7	2.1	1.9
White	1.5	1.0	1.8	2.0	1.7	1.6	1.4	1.6	2.1	2.0
Black	0.7*	1.4*	3.0*	2.8*	4.8*	3.2*	3.8*	3.2*	2.4*	2.4*

*Numerator is less than 20; thus the percent is unstable. We do not recommend comparing unstable percentages.
Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.)
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Births to Mothers Who Smoked During Pregnancy* by Race Indiana Residents, 2004 – 2013



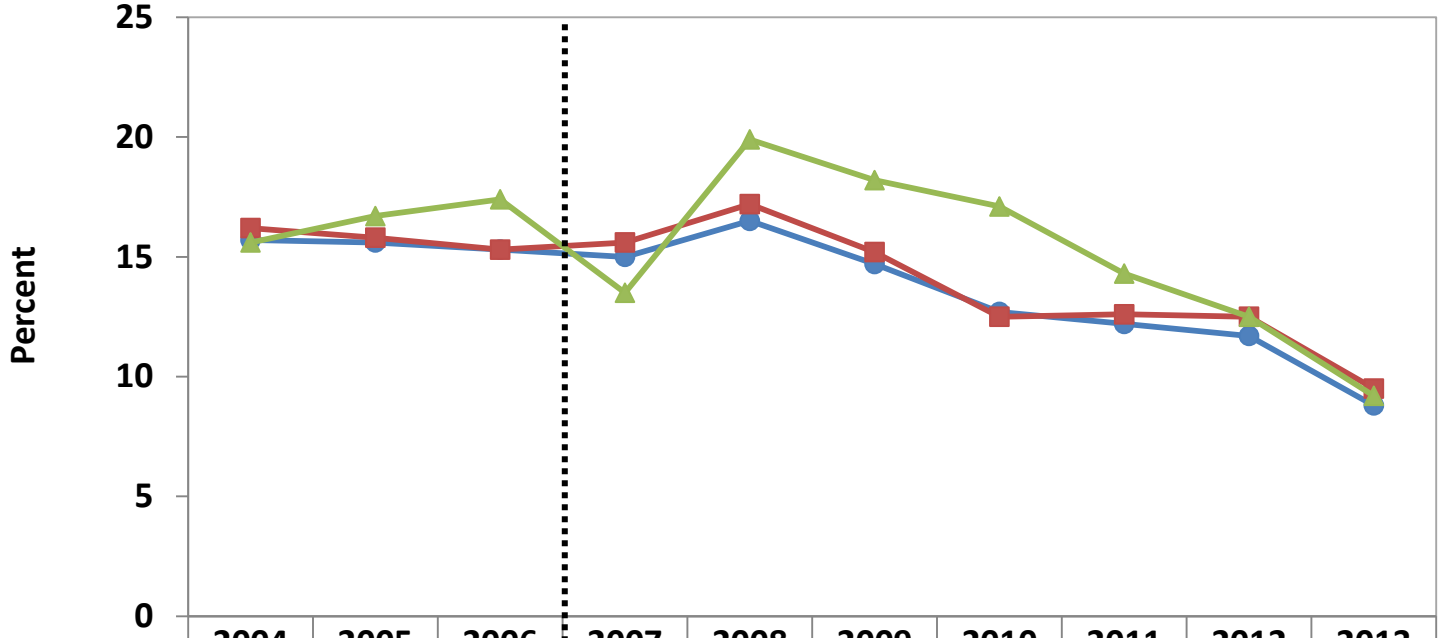
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	18.0	17.9	17.3	18.5	18.5	18.2	17.1	16.6	16.5	15.7
White	18.8	18.7	18.1	19.6	19.9	19.8	18.4	17.9	18.1	17.4
Black	14.4	14.0	13.3	13.3	14.3	13.4	13.6	13.3	13.0	11.8

* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Births to Mothers Who Smoked During Pregnancy* by Race
Allen County Residents, 2004 – 2013



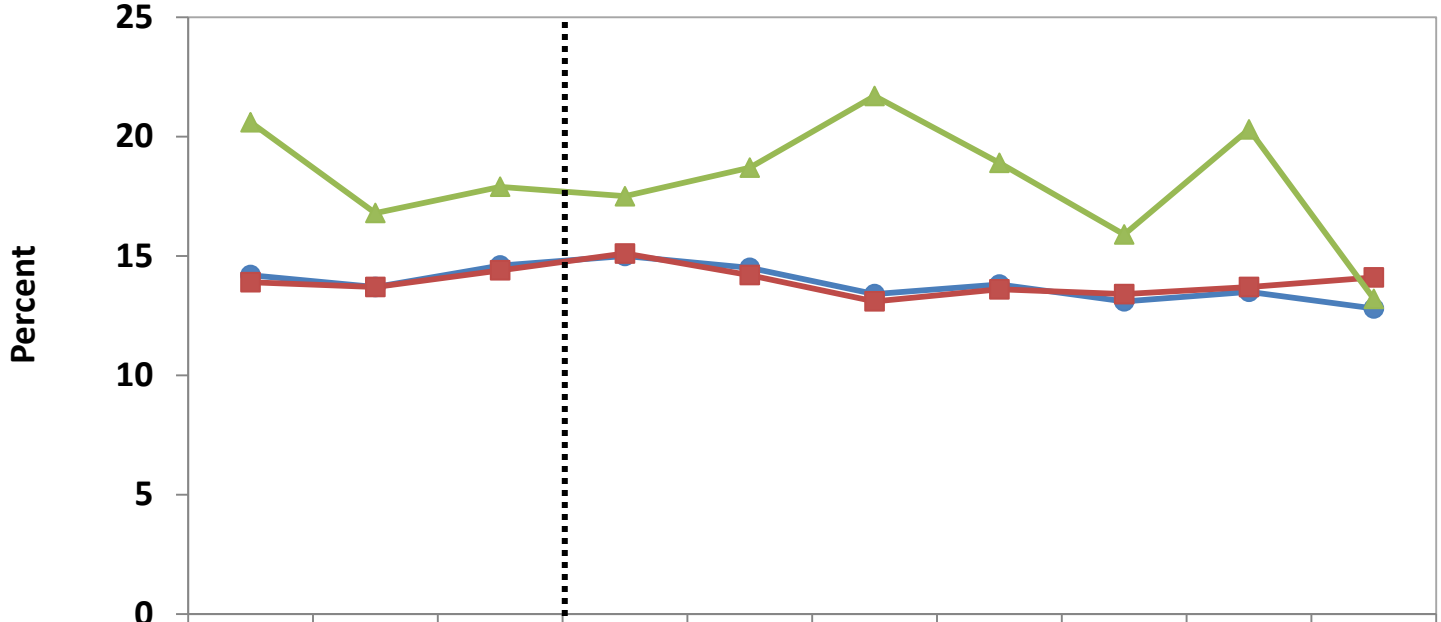
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	15.7	15.6	15.3	15.0	16.5	14.7	12.7	12.2	11.7	8.8
White	16.2	15.8	15.3	15.6	17.2	15.2	12.5	12.6	12.5	9.5
Black	15.6	16.7	17.4	13.5	19.9	18.2	17.1	14.3	12.5	9.2

* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Births to Mothers Who Smoked During Pregnancy* by Race
Elkhart County Residents, 2004 – 2013



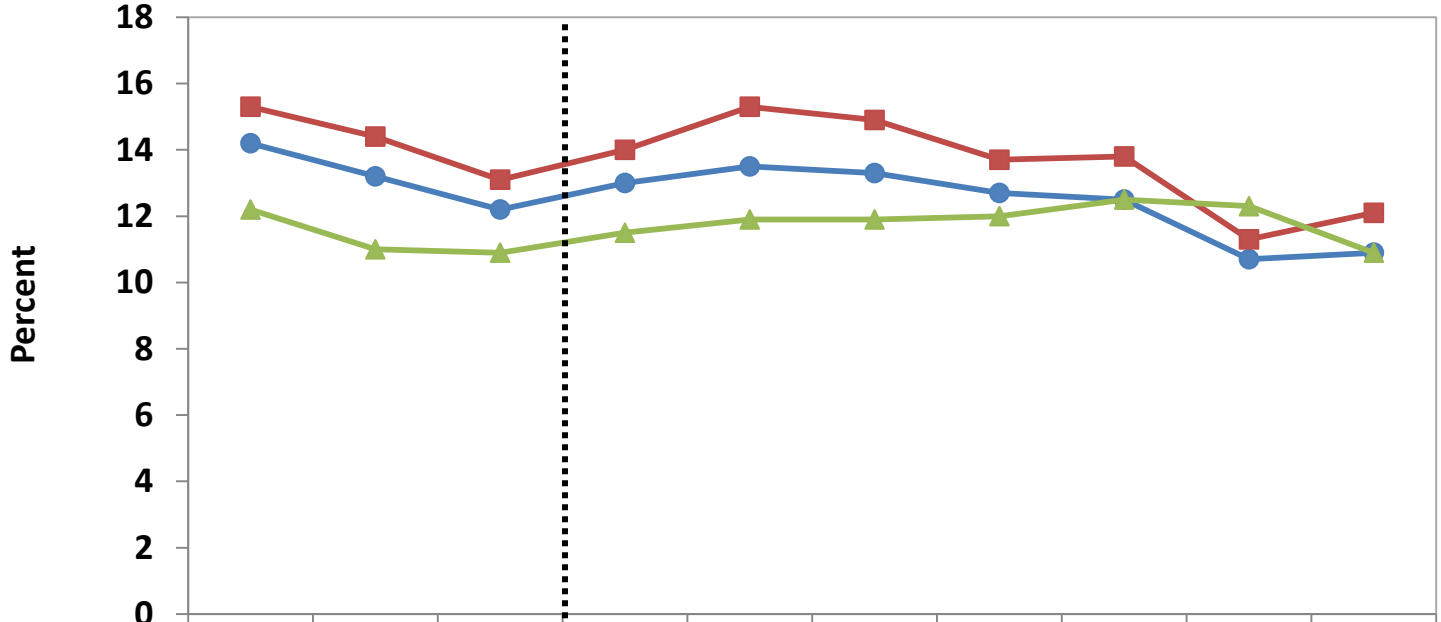
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	14.2	13.7	14.6	15.0	14.5	13.4	13.8	13.1	13.5	12.8
White	13.9	13.7	14.4	15.1	14.2	13.1	13.6	13.4	13.7	14.1
Black	20.6	16.8	17.9	17.5	18.7	21.7	18.9	15.9	20.3	13.2

* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Births to Mothers Who Smoked During Pregnancy* by Race
Lake County Residents, 2004 – 2013



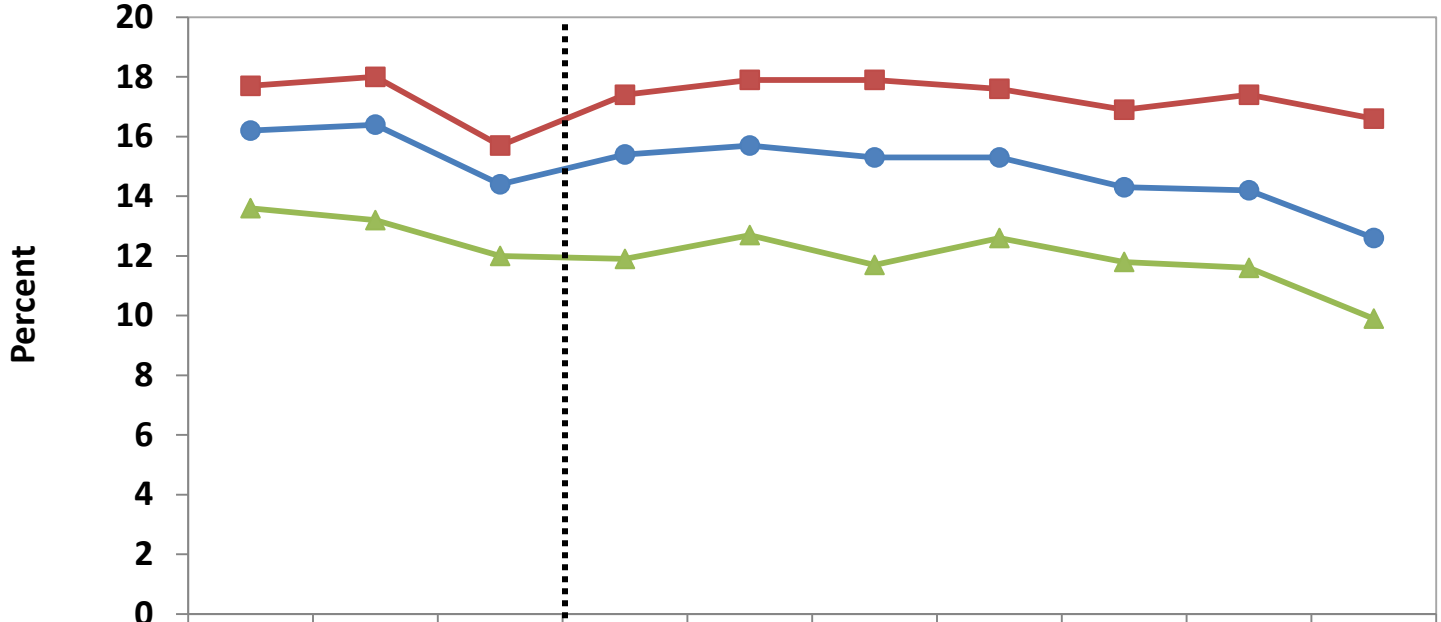
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	14.2	13.2	12.2	13.0	13.5	13.3	12.7	12.5	10.7	10.9
White	15.3	14.4	13.1	14.0	15.3	14.9	13.7	13.8	11.3	12.1
Black	12.2	11.0	10.9	11.5	11.9	11.9	12.0	12.5	12.3	10.9

* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Births to Mothers Who Smoked During Pregnancy* by Race
Marion County Residents, 2004 – 2013



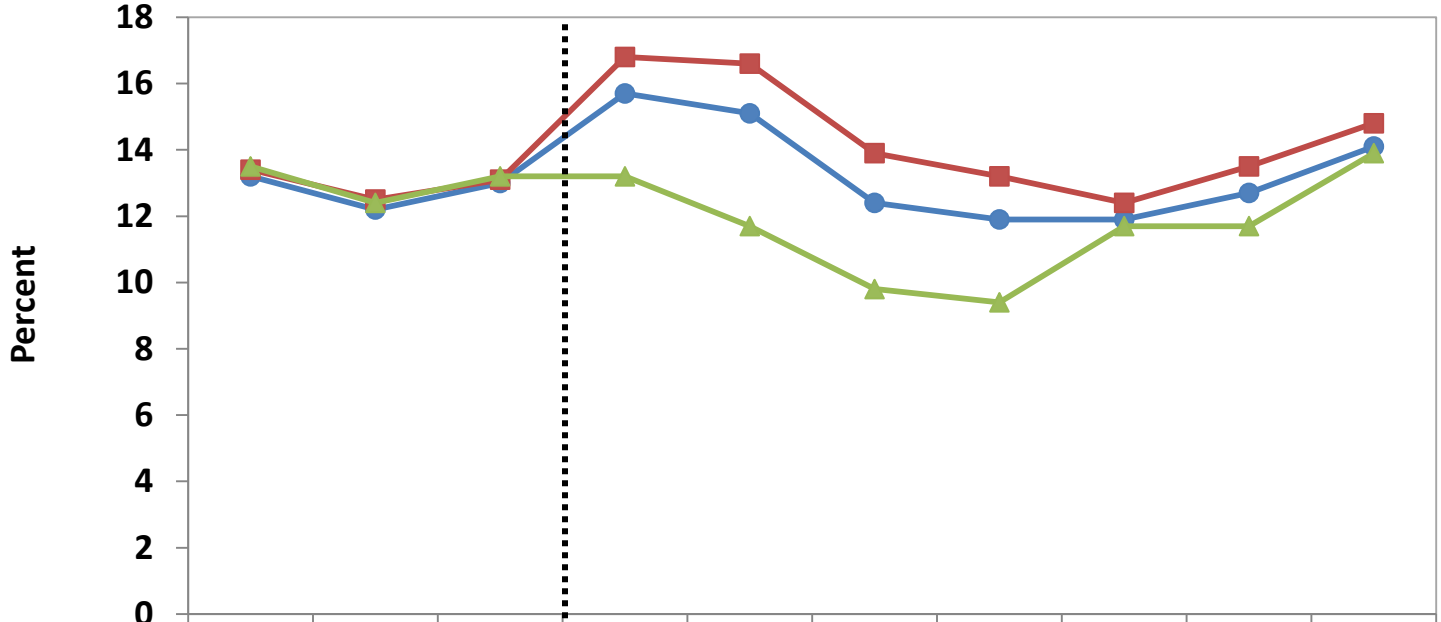
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	16.2	16.4	14.4	15.4	15.7	15.3	15.3	14.3	14.2	12.6
White	17.7	18.0	15.7	17.4	17.9	17.9	17.6	16.9	17.4	16.6
Black	13.6	13.2	12.0	11.9	12.7	11.7	12.6	11.8	11.6	9.9

* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Births to Mothers Who Smoked During Pregnancy* by Race
St. Joseph County Residents, 2004 – 2013



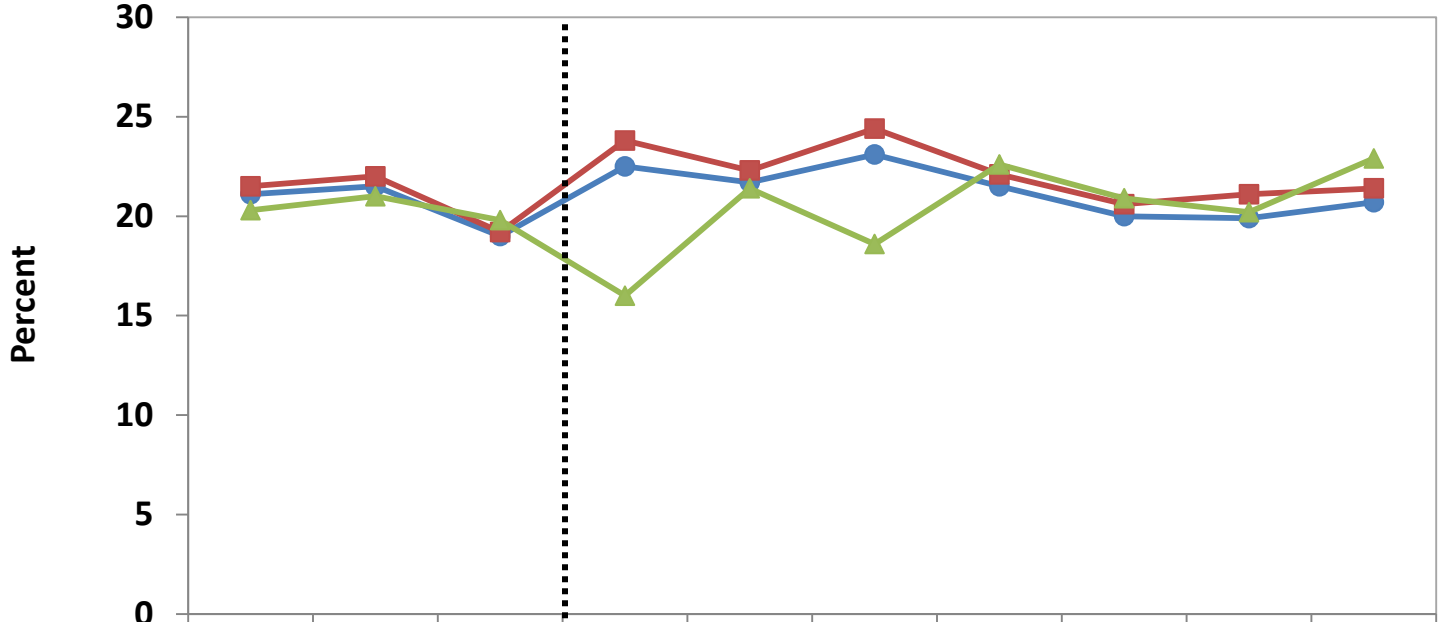
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	13.2	12.2	13.0	15.7	15.1	12.4	11.9	11.9	12.7	14.1
White	13.4	12.5	13.1	16.8	16.6	13.9	13.2	12.4	13.5	14.8
Black	13.5	12.4	13.2	13.2	11.7	9.8	9.4	11.7	11.7	13.9

* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Births to Mothers Who Smoked During Pregnancy* by Race Vanderburgh County Residents, 2004 – 2013



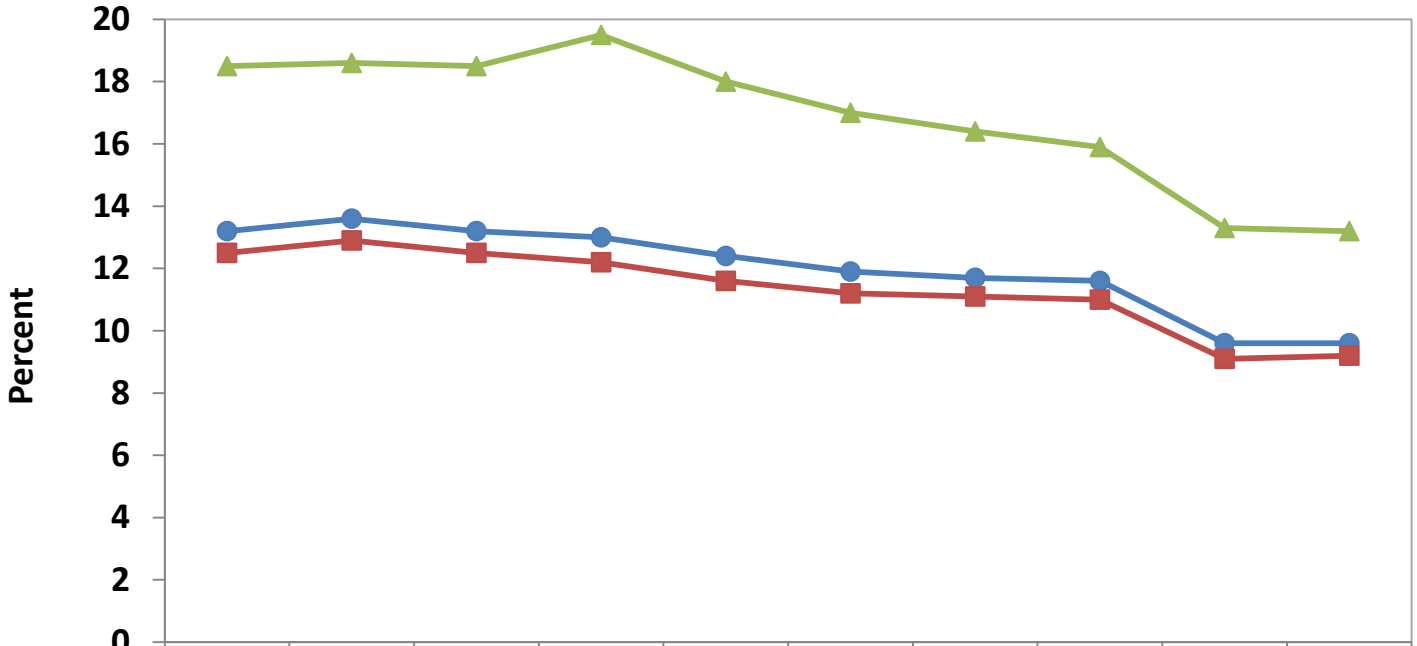
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	21.1	21.5	19.0	22.5	21.7	23.1	21.5	20.0	19.9	20.7
White	21.5	22.0	19.2	23.8	22.3	24.4	22.1	20.6	21.1	21.4
Black	20.3	21.0	19.8	16.0	21.4	18.6	22.6	20.9	20.2	22.9

* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

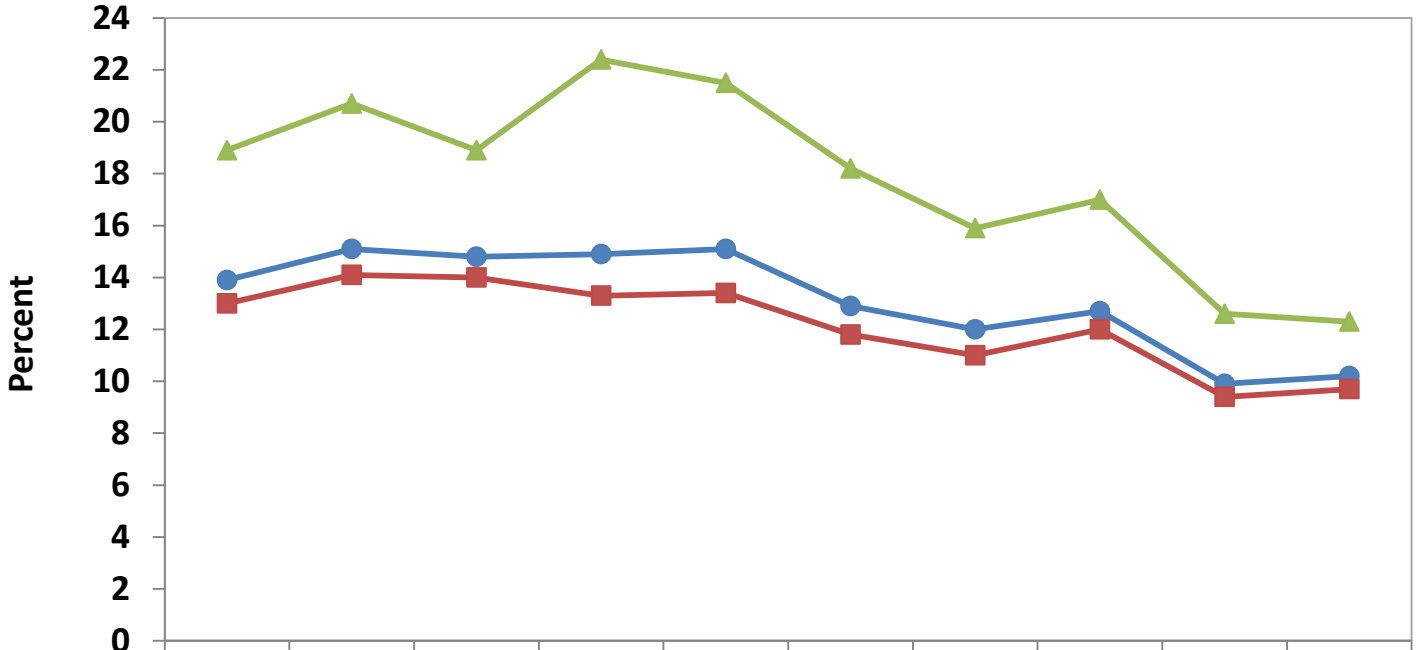
Percent of Preterm Births by Race of Mother
Indiana Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	13.2	13.6	13.2	13.0	12.4	11.9	11.7	11.6	9.6	9.6
White	12.5	12.9	12.5	12.2	11.6	11.2	11.1	11.0	9.1	9.2
Black	18.5	18.6	18.5	19.5	18.0	17.0	16.4	15.9	13.3	13.2

**Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

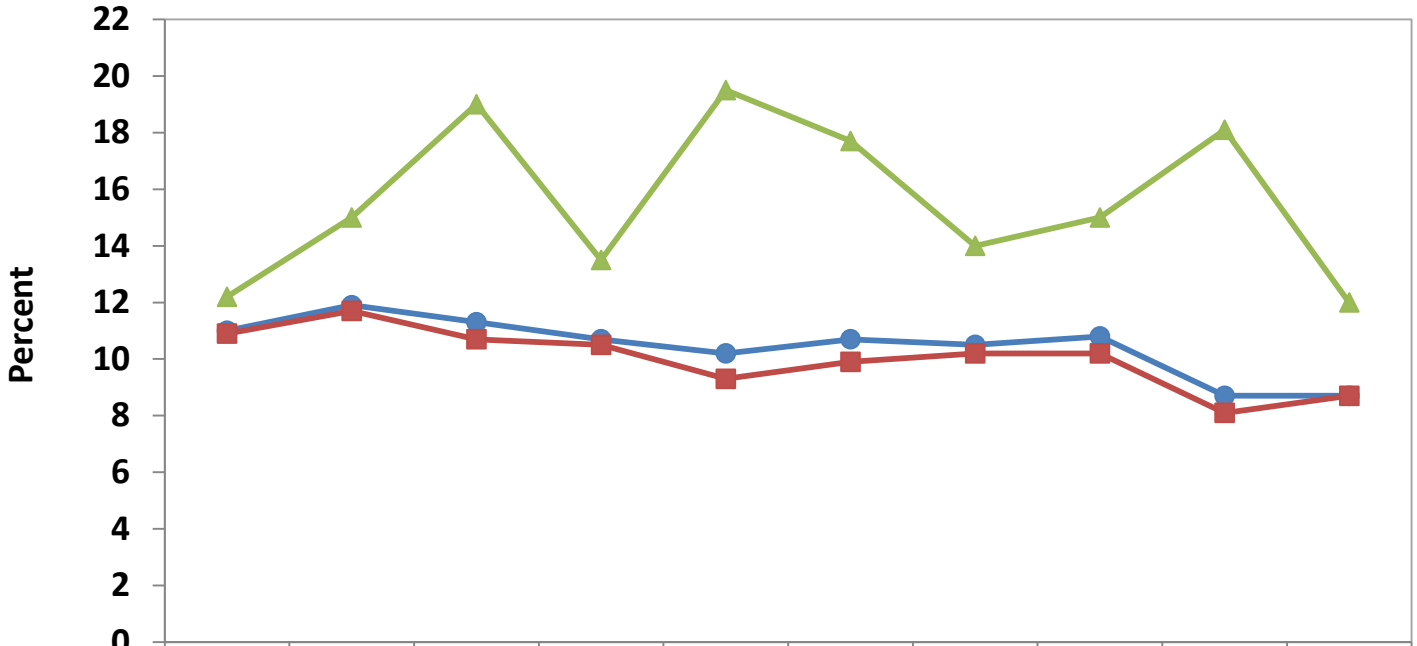
Percent of Preterm Births by Race of Mother
Allen County Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	13.9	15.1	14.8	14.9	15.1	12.9	12.0	12.7	9.9	10.2
White	13.0	14.1	14.0	13.3	13.4	11.8	11.0	12.0	9.4	9.7
Black	18.9	20.7	18.9	22.4	21.5	18.2	15.9	17.0	12.6	12.3

**Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

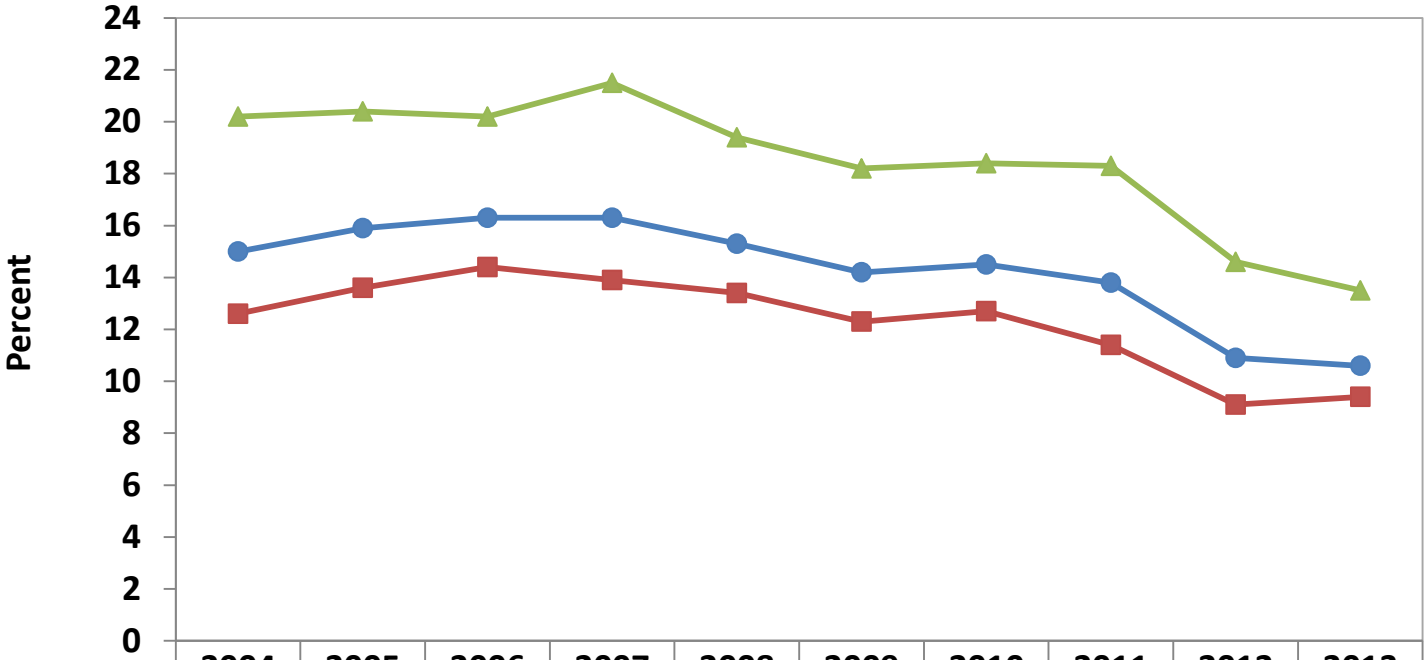
Percent of Preterm Births by Race of Mother
Elkhart County Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	11.0	11.9	11.3	10.7	10.2	10.7	10.5	10.8	8.7	8.7
White	10.9	11.7	10.7	10.5	9.3	9.9	10.2	10.2	8.1	8.7
Black	12.2	15.0	19.0	13.5	19.5	17.7	14.0	15.0	18.1	12.0

**Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

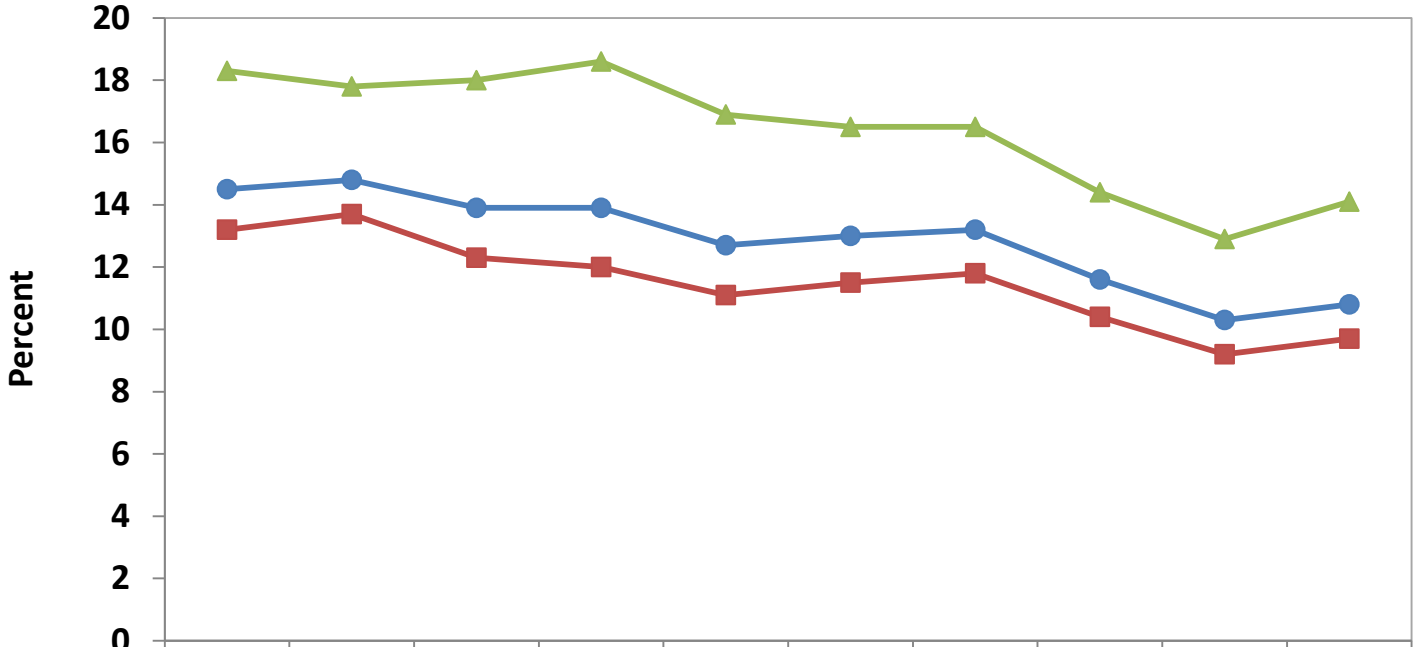
Percent of Preterm Births by Race of Mother
Lake County Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	15.0	15.9	16.3	16.3	15.3	14.2	14.5	13.8	10.9	10.6
White	12.6	13.6	14.4	13.9	13.4	12.3	12.7	11.4	9.1	9.4
Black	20.2	20.4	20.2	21.5	19.4	18.2	18.4	18.3	14.6	13.5

**Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

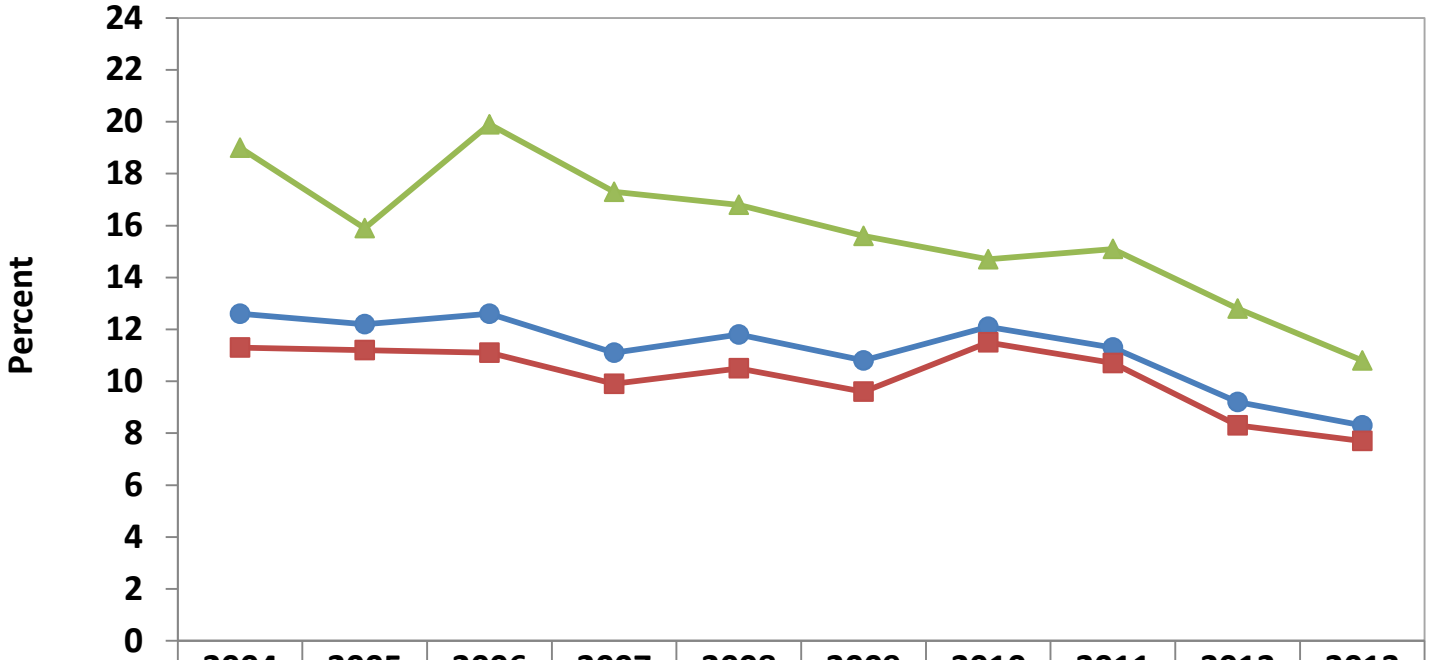
Percent of Preterm Births by Race of Mother
Marion County Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	14.5	14.8	13.9	13.9	12.7	13.0	13.2	11.6	10.3	10.8
White	13.2	13.7	12.3	12.0	11.1	11.5	11.8	10.4	9.2	9.7
Black	18.3	17.8	18.0	18.6	16.9	16.5	16.5	14.4	12.9	14.1

**Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

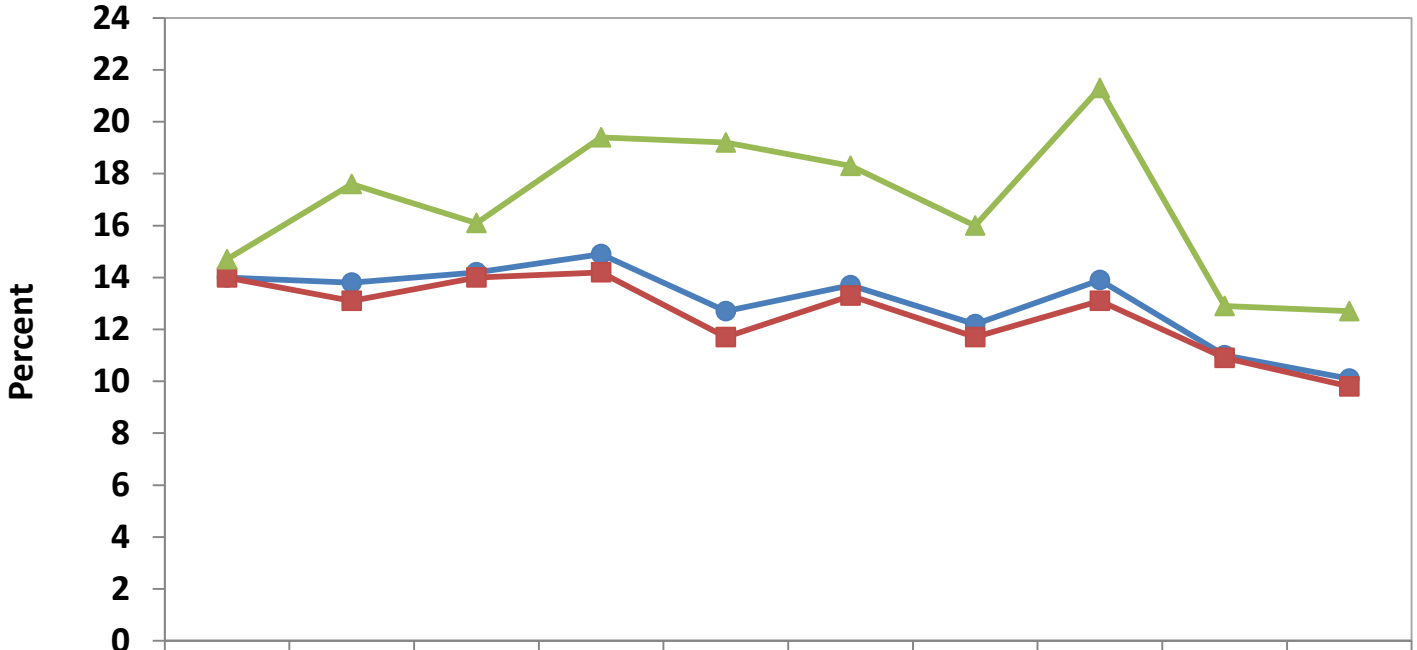
Percent of Preterm Births by Race of Mother
St. Joseph County Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	12.6	12.2	12.6	11.1	11.8	10.8	12.1	11.3	9.2	8.3
White	11.3	11.2	11.1	9.9	10.5	9.6	11.5	10.7	8.3	7.7
Black	19.0	15.9	19.9	17.3	16.8	15.6	14.7	15.1	12.8	10.8

**Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

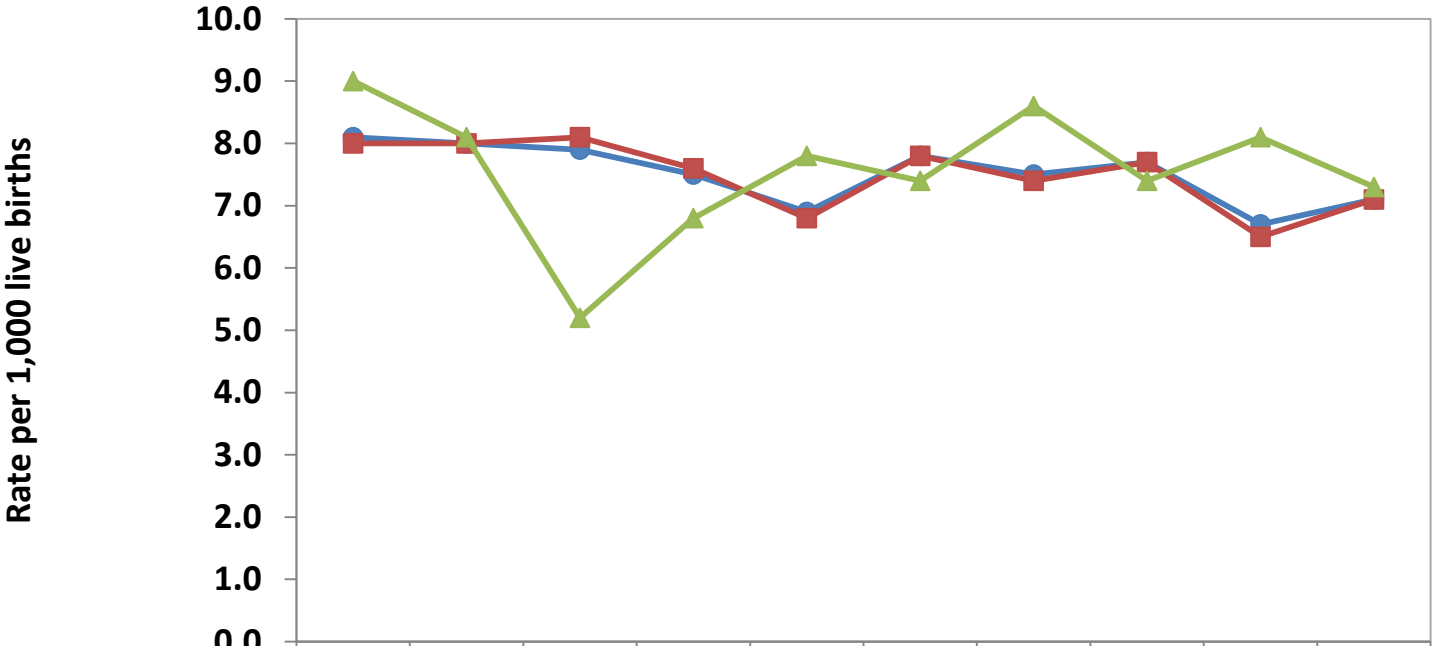
Percent of Preterm Births by Race of Mother
Vanderburgh County Residents, 2004-2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	14.0	13.8	14.2	14.9	12.7	13.7	12.2	13.9	11.0	10.1
White	14.0	13.1	14.0	14.2	11.7	13.3	11.7	13.1	10.9	9.8
Black	14.7	17.6	16.1	19.4	19.2	18.3	16.0	21.3	12.9	12.7

**Preterm birth data in this report were calculated using the obstetrical estimate of gestation (clinical estimate of gestation) and are not comparable to previous MCH Outcomes Reports. Preterm birth data in this report are not comparable to NCHS and March of Dimes reports. Please see Preface for more details.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

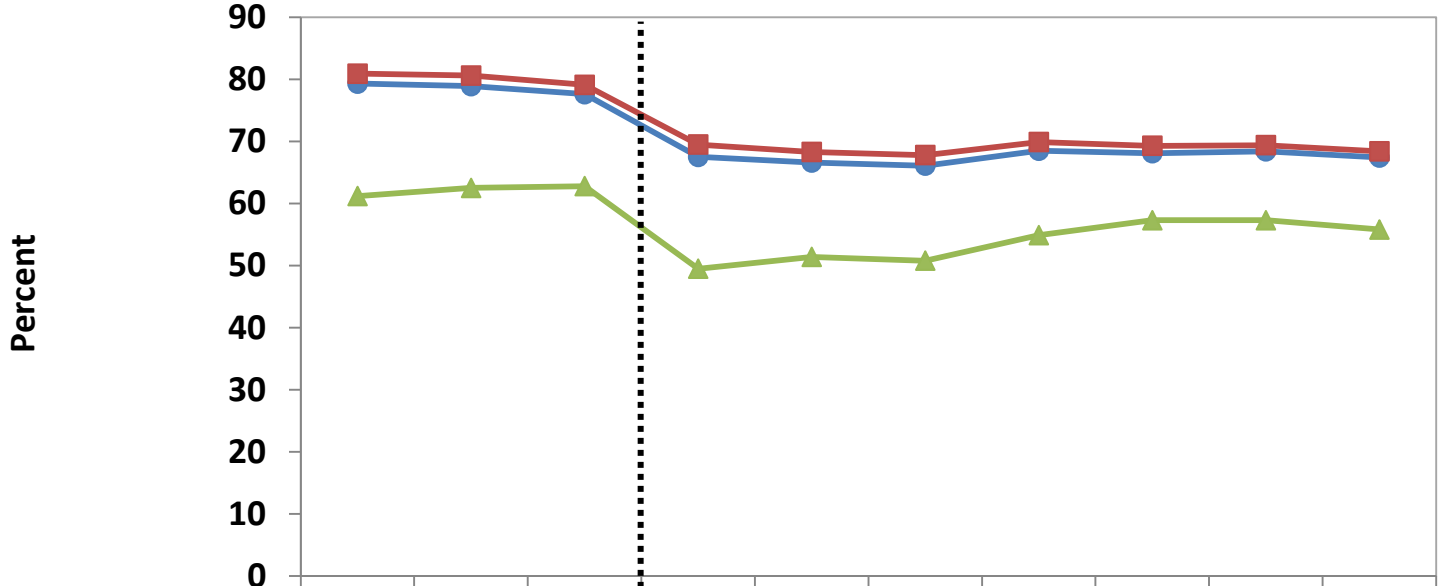
Infant Mortality Rates by Ethnicity
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	8.1	8.0	7.9	7.5	6.9	7.8	7.5	7.7	6.7	7.1
Non-Hispanic	8.0	8.0	8.1	7.6	6.8	7.8	7.4	7.7	6.5	7.1
Hispanic	9.0	8.1	5.2	6.8	7.8	7.4	8.6	7.4	8.1	7.3

Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester* by Ethnicity Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	79.3	78.9	77.6	67.5	66.6	66.1	68.5	68.1	68.4	67.4
Non-Hispanic	80.9	80.6	79.1	69.5	68.3	67.8	69.9	69.3	69.4	68.4
Hispanic	61.2	62.5	62.8	49.5	51.4	50.8	54.9	57.3	57.3	55.8

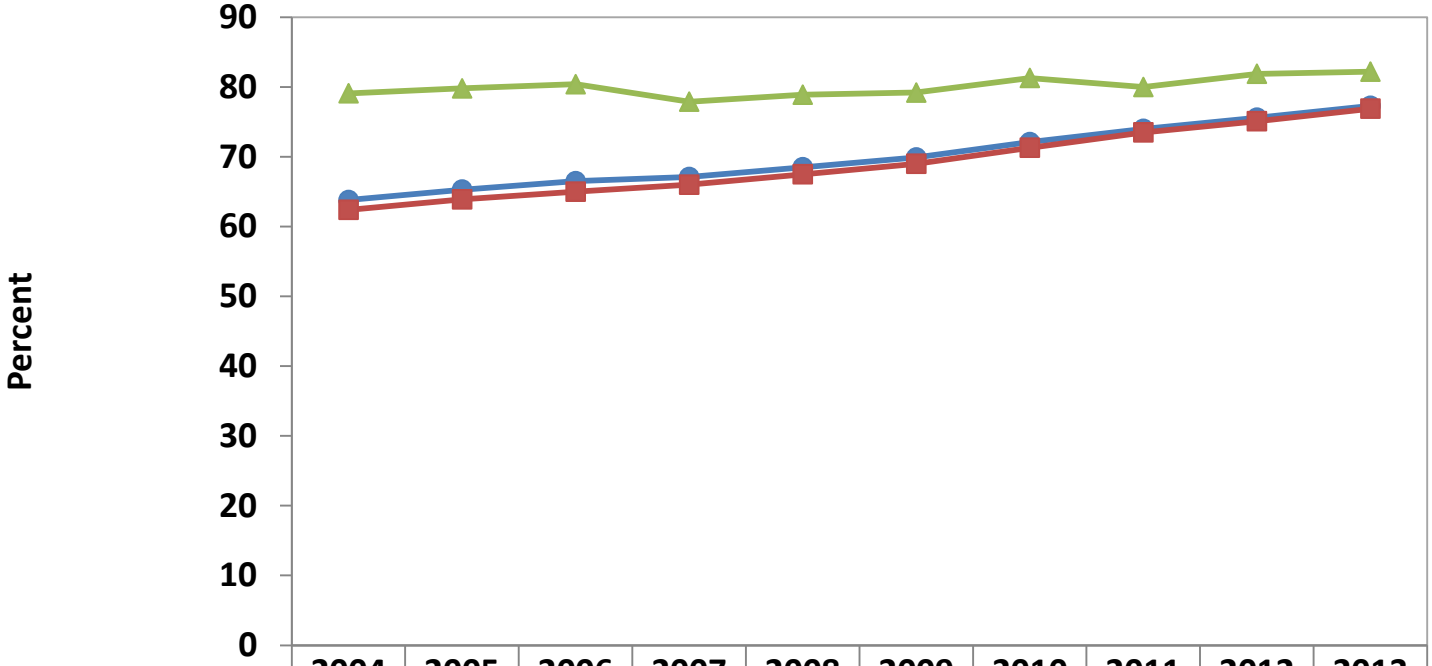
* Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: Hispanic ethnicity can be of any race. The values are percentages of live births and include the unknowns.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

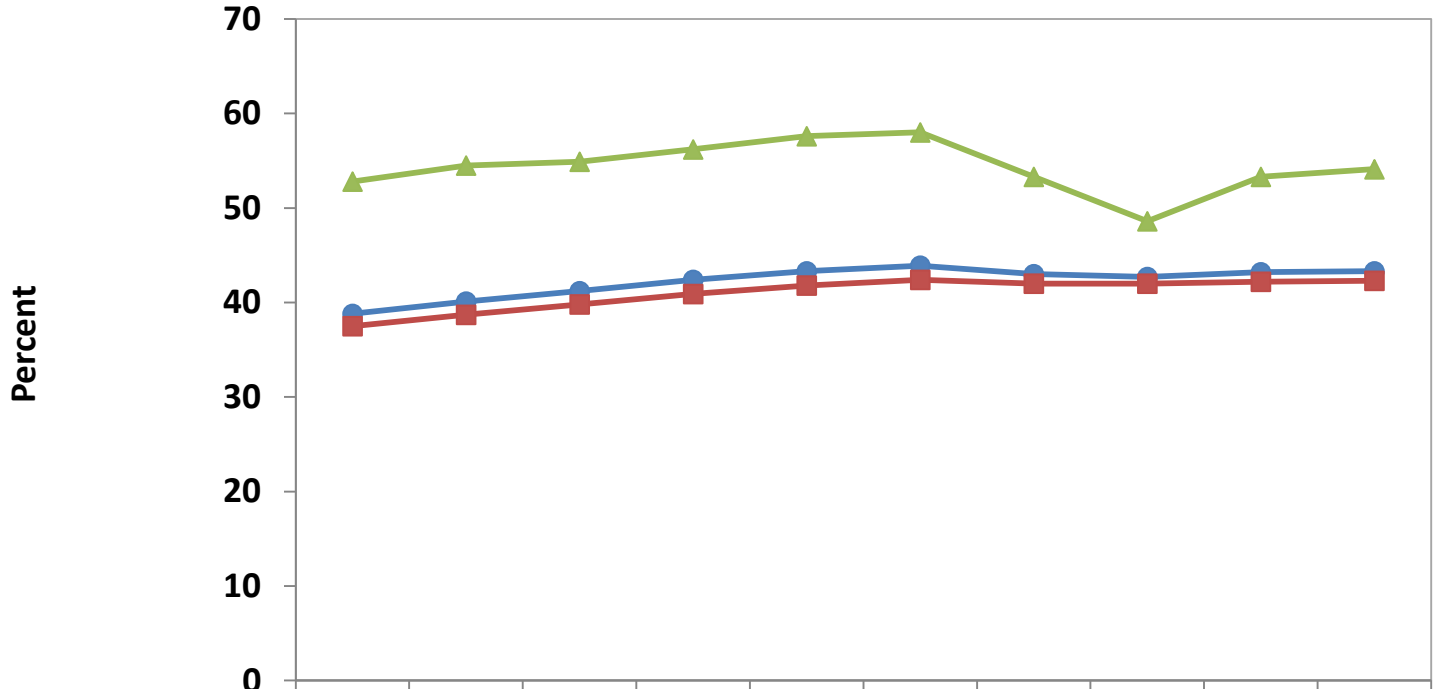
Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Ethnicity Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	63.8	65.3	66.5	67.1	68.5	69.9	72.1	74.0	75.6	77.3
Non-Hispanic	62.4	63.9	65.0	66.0	67.5	69.0	71.3	73.5	75.1	76.9
Hispanic	79.1	79.8	80.4	77.9	78.9	79.2	81.3	80.0	81.9	82.2

Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

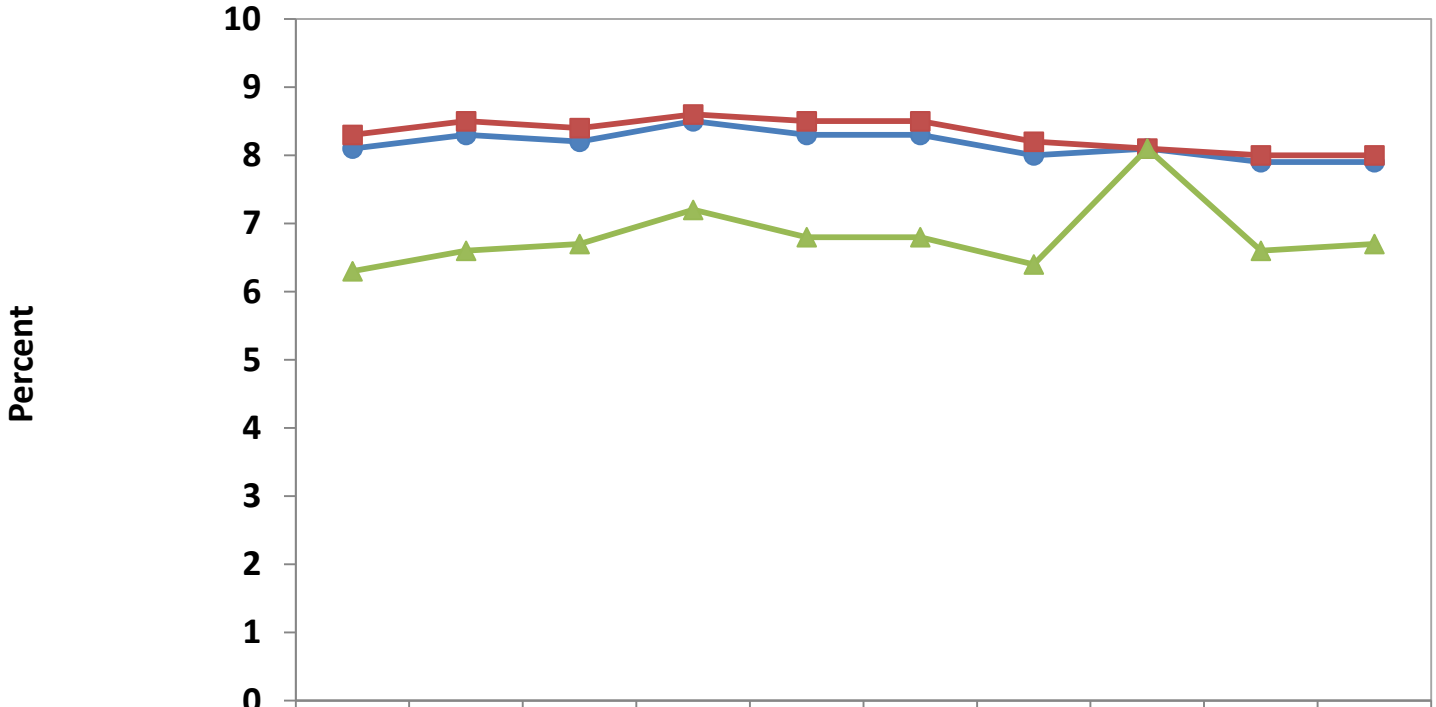
Percent of Live Births to Unmarried Mothers by Ethnicity of Mother
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	38.8	40.1	41.2	42.4	43.3	43.9	43.0	42.7	43.2	43.3
Non-Hispanic	37.5	38.7	39.8	40.9	41.8	42.4	42.0	42.0	42.2	42.3
Hispanic	52.8	54.5	54.9	56.2	57.6	58.0	53.3	48.6	53.3	54.1

Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

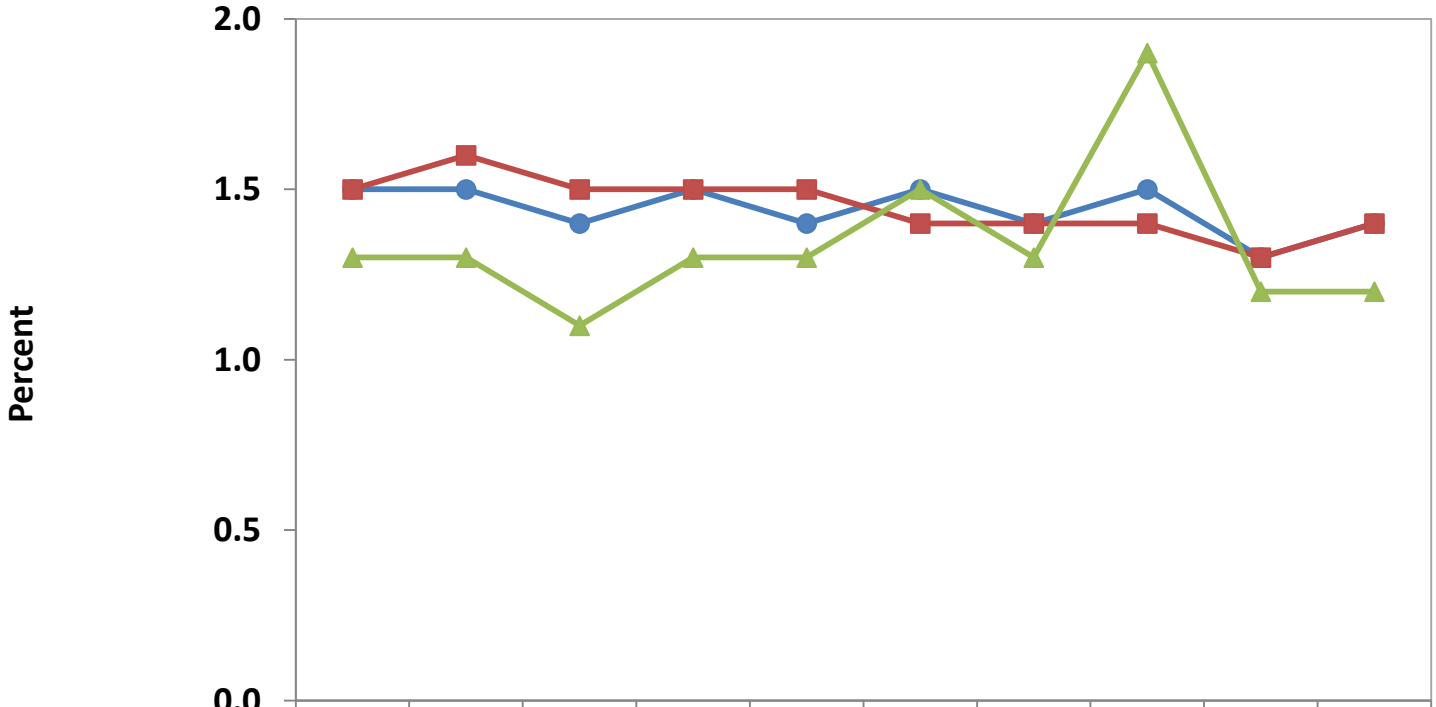
Percent of Low Birthweight Infants by Ethnicity of Mother
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	8.1	8.3	8.2	8.5	8.3	8.3	8.0	8.1	7.9	7.9
Non-Hispanic	8.3	8.5	8.4	8.6	8.5	8.5	8.2	8.1	8.0	8.0
Hispanic	6.3	6.6	6.7	7.2	6.8	6.8	6.4	8.1	6.6	6.7

Note: Low birthweight is less than 2,500 grams (5 lb. 8 oz.) Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

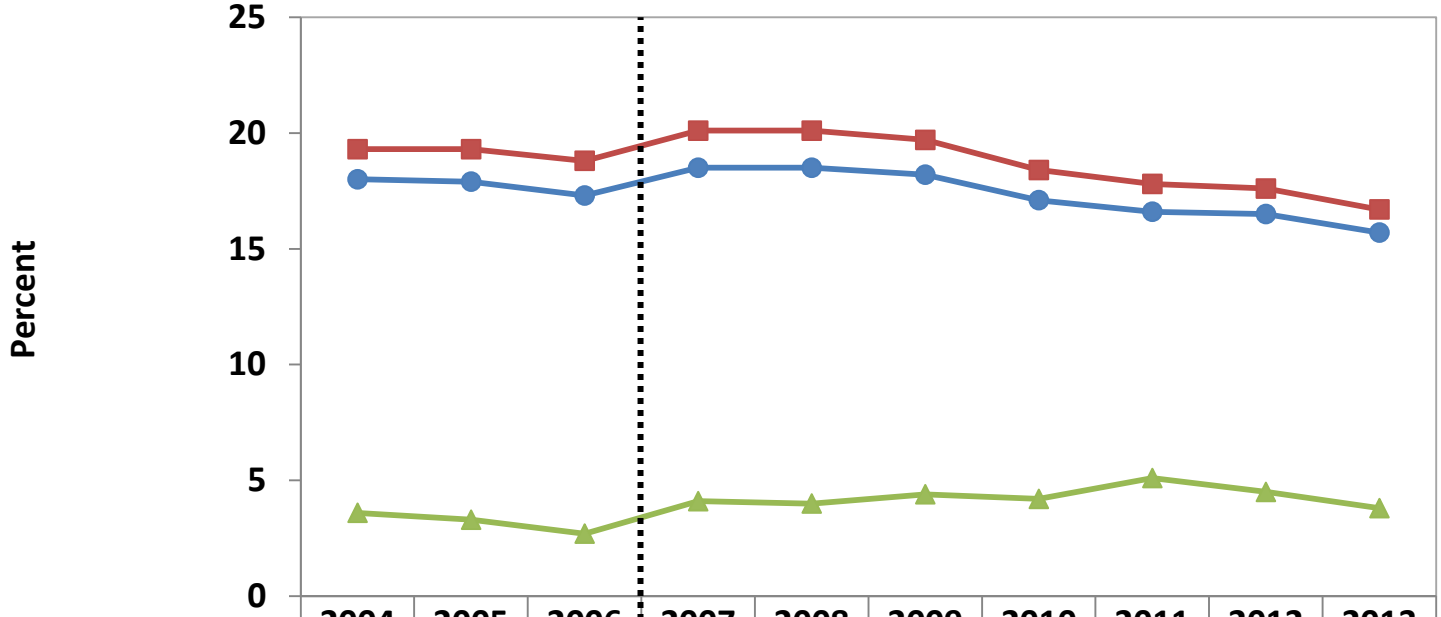
Percent of Very Low Birthweight Infants by Ethnicity of Mother
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	1.5	1.5	1.4	1.5	1.4	1.5	1.4	1.5	1.3	1.4
Non-Hispanic	1.5	1.6	1.5	1.5	1.5	1.4	1.4	1.4	1.3	1.4
Hispanic	1.3	1.3	1.1	1.3	1.3	1.5	1.3	1.9	1.2	1.2

Note: Very low birthweight is less than 1,500 grams (3 lb. 5 oz.) Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Births to Mothers Who Smoked During Pregnancy* by Ethnicity Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	18.0	17.9	17.3	18.5	18.5	18.2	17.1	16.6	16.5	15.7
Non-Hispanic	19.3	19.3	18.8	20.1	20.1	19.7	18.4	17.8	17.6	16.7
Hispanic	3.6	3.3	2.7	4.1	4.0	4.4	4.2	5.1	4.5	3.8

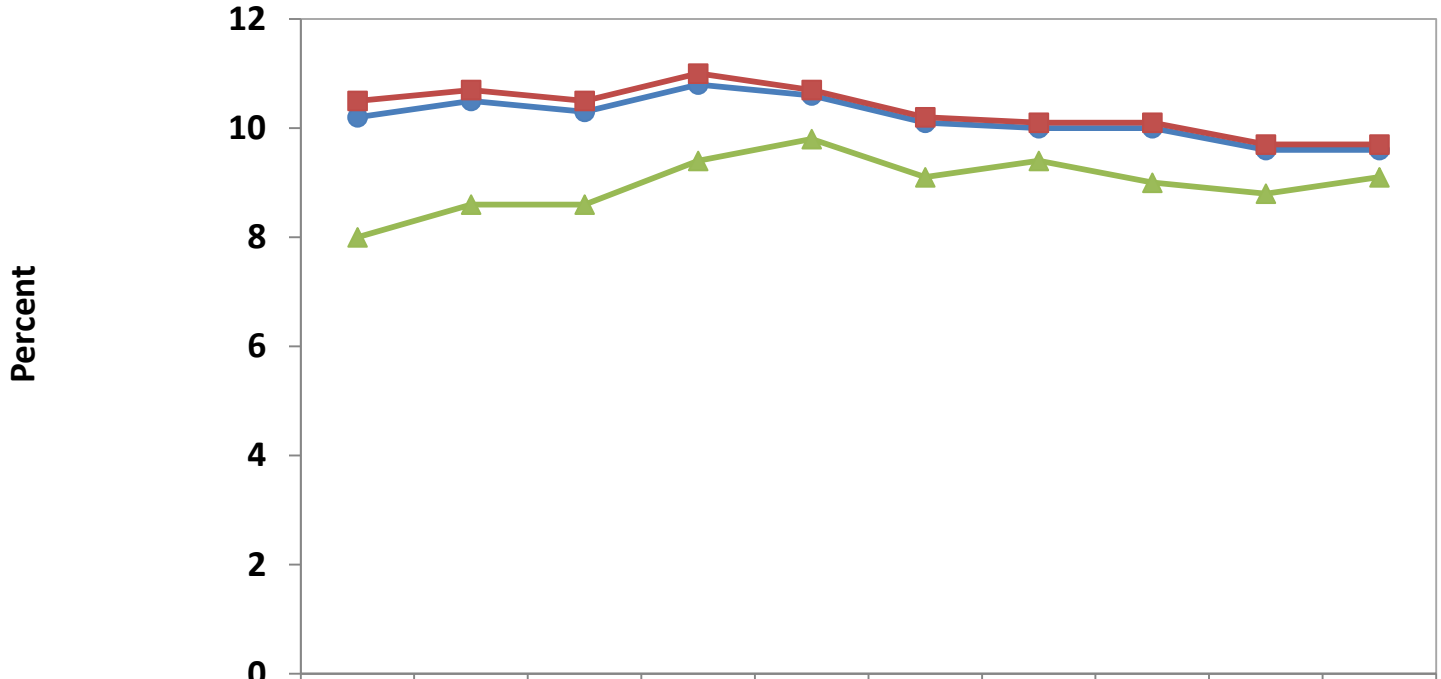
* Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not comparable with data from prior years. Please see the Preface for more detailed information.

Note: Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015

Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Percent of Preterm Births* by Ethnicity of Mother
Indiana Residents, 2004 – 2013



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Total	10.2	10.5	10.3	10.8	10.6	10.1	10.0	10.0	9.6	9.6
Non-Hispanic	10.5	10.7	10.5	11.0	10.7	10.2	10.1	10.1	9.7	9.7
Hispanic	8.0	8.6	8.6	9.4	9.8	9.1	9.4	9.0	8.8	9.1

* Preterm births based on obstetrical estimate and not comparable to data provided by March of Dimes or NCHS.
Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Live Births by County of Residence
Indiana Residents, 2004 – 2013
Total Population

County	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2004 - 2013 Average
INDIANA	87,125	87,088	89,404	89,719	88,679	86,126	83,867	83,750	83,250	83,115	86,213
Adams	607	641	654	667	673	643	661	658	700	673	658
Allen	5,329	5,295	5,492	5,448	5,506	5,463	5,312	5,252	5,251	5,080	5,343
Bartholomew	1,047	1,081	1,096	1,086	1,095	1,023	1,013	1,004	1,084	1,069	1,060
Benton	135	118	110	104	119	92	96	106	98	119	110
Blackford	151	141	148	156	148	142	151	145	140	146	147
Boone	652	694	676	708	741	706	660	701	728	726	700
Brown	115	90	97	137	137	139	100	121	126	126	119
Carroll	250	207	214	230	227	219	214	212	236	200	221
Cass	570	572	567	545	539	517	494	510	514	471	530
Clark	1,315	1,393	1,513	1,450	1,479	1,525	1,407	1,448	1,436	1,538	1,451
Clay	337	325	368	291	330	294	328	307	320	310	321
Clinton	494	510	524	534	518	487	444	396	483	432	483
Crawford	140	104	135	124	122	121	106	110	120	108	119
Daviess	483	508	536	547	536	512	501	559	534	527	525
Dearborn	641	653	587	602	641	372	521	558	530	483	559
Decatur	362	355	365	318	361	315	305	319	317	366	339
DeKalb	554	585	545	571	522	565	534	510	485	535	541
Delaware	1,310	1,305	1,229	1,340	1,268	1,307	1,245	1,294	1,225	1,277	1,280
Dubois	550	563	575	539	543	533	515	508	508	540	538
Elkhart	3,252	3,478	3,562	3,557	3,430	3,163	3,006	2,976	3,048	2,961	3,244
Fayette	304	309	300	304	281	278	262	241	229	254	277
Floyd	870	916	840	878	918	853	912	893	875	873	883
Fountain	213	195	200	209	223	217	190	181	180	219	203
Franklin	328	287	293	310	254	137	245	250	253	243	260
Fulton	245	268	249	267	285	279	261	220	253	257	259
Gibson	416	421	431	452	377	404	396	437	402	424	416
Grant	803	775	877	866	816	840	778	805	734	832	813
Greene	393	380	392	401	369	376	353	364	353	329	371
Hamilton	3,649	3,693	3,713	3,926	3,910	3,861	3,787	3,887	3,689	3,917	3,804
Hancock	824	888	901	897	848	810	757	781	759	759	823

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Live Births by County of Residence
Indiana Residents, 2004 – 2013
Total Population

County	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2004 - 2013 Average
INDIANA	87,125	87,088	89,404	89,719	88,679	86,126	83,867	83,750	83,250	83,115	86,213
Harrison	435	459	447	473	481	436	400	429	390	414	437
Hendricks	1,552	1,620	1,686	1,859	1,844	1,787	1,728	1,808	1,653	1,723	1,726
Henry	540	567	486	506	541	544	463	456	476	502	509
Howard	1,143	1,089	1,115	1,131	1,122	994	1,000	971	1,033	980	1,058
Huntington	499	451	481	488	453	423	417	409	435	424	448
Jackson	589	622	572	584	583	551	564	532	583	591	578
Jasper	396	465	470	430	387	397	405	394	399	358	411
Jay	287	303	306	320	285	307	296	311	296	296	301
Jefferson	382	363	369	383	381	391	353	344	377	335	368
Jennings	415	403	391	371	374	370	337	349	341	347	370
Johnson	1,765	1,676	1,838	1,913	1,913	1,861	1,776	1,861	1,858	1,831	1,830
Knox	462	471	514	497	481	424	459	454	505	461	473
Kosciusko	1,087	1,067	1,167	1,099	1,154	1,000	977	1,012	1,029	1,038	1,063
LaGrange	703	756	714	783	787	714	791	724	744	788	751
Lake	6,975	6,872	6,937	6,759	6,663	6,724	6,488	6,183	5,991	6,023	6,562
LaPorte	1,325	1,364	1,371	1,438	1,411	1,380	1,309	1,338	1,286	1,319	1,355
Lawrence	537	537	534	507	522	513	485	470	503	461	507
Madison	1,636	1,650	1,594	1,674	1,598	1,631	1,612	1,550	1,461	1,545	1,596
Marion	14,868	14,653	15,545	15,401	15,333	15,346	14,583	14,581	14,585	14,287	14,919
Marshall	655	679	662	667	621	619	575	614	584	559	624
Martin	114	140	126	140	146	123	116	119	141	148	132
Miami	438	480	449	433	416	406	390	366	364	367	411
Monroe	1,273	1,309	1,298	1,388	1,298	1,281	1,318	1,286	1,301	1,265	1,302
Montgomery	486	475	448	493	453	508	445	463	485	463	472
Morgan	873	851	871	877	863	807	772	834	729	722	820
Newton	141	133	138	138	162	137	140	148	155	125	142
Noble	739	682	766	703	703	642	595	578	586	578	658
Ohio	64	55	71	60	57	53	56	44	68	51	58
Orange	237	251	246	264	224	237	216	227	211	268	239
Owen	262	247	237	249	259	236	249	226	210	243	244
Parke	157	188	194	204	187	188	192	187	204	196	190

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Live Births by County of Residence
Indiana Residents, 2004 – 2013
Total Population

County	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2004 - 2013 Average
INDIANA	87,125	87,088	89,404	89,719	88,679	86,126	83,867	83,750	83,250	83,115	86,213
Perry	217	219	236	223	209	221	214	218	206	182	215
Pike	167	159	158	152	138	145	149	149	133	154	151
Porter	1,827	1,793	1,836	1,886	1,868	1,772	1,728	1,756	1,779	1,770	1,802
Posey	292	227	252	250	284	283	272	279	290	275	271
Pulaski	172	159	177	160	161	166	149	123	133	143	155
Putnam	407	408	368	418	405	383	353	361	328	375	381
Randolph	318	298	295	338	324	291	312	298	318	298	310
Ripley	387	406	389	369	384	352	374	319	325	328	364
Rush	196	214	226	223	197	164	176	170	198	160	193
St. Joseph	3,843	3,827	4,013	3,762	3,832	3,565	3,500	3,539	3,497	3,557	3,694
Scott	288	310	352	346	327	283	278	304	280	286	306
Shelby	582	505	539	572	538	503	532	555	474	495	530
Spencer	235	233	237	247	245	214	218	256	194	236	232
Starke	288	279	298	317	307	280	277	260	280	252	284
Steuben	412	440	396	411	387	359	354	373	347	410	389
Sullivan	214	216	235	216	235	214	239	232	232	245	228
Switzerland	110	102	128	135	133	136	132	120	115	142	126
Tippecanoe	2,073	2,081	2,205	2,324	2,320	2,230	2,149	2,211	2,316	2,221	2,214
Tipton	215	177	175	173	160	126	158	159	131	137	162
Union	101	94	92	82	87	35	84	82	68	67	80
Vanderburgh	2,351	2,451	2,520	2,468	2,326	2,349	2,346	2,259	2,365	2,263	2,370
Vermillion	207	200	171	175	154	194	172	156	158	175	177
Vigo	1,309	1,280	1,375	1,338	1,321	1,255	1,308	1,309	1,281	1,280	1,306
Wabash	378	383	393	377	390	354	354	358	336	360	369
Warren	84	83	94	78	99	88	91	110	94	80	91
Warrick	703	631	677	685	701	676	715	625	625	633	668
Washington	360	328	345	328	318	319	305	291	316	331	325
Wayne	943	910	920	886	882	875	823	829	832	767	867
Wells	353	306	387	305	359	331	338	365	355	322	343
White	323	330	322	330	280	328	297	298	280	297	309
Whitely	396	411	361	449	390	412	409	365	371	372	394

Source: Indiana State Department of Health, Maternal and Child Health Epidemiology Division, 2015
Original Source: Indiana State Department of Health, ERC, Data Analysis Team

Infant Mortality Rate, Total Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Hamilton	4.5
2	Floyd	4.6
3	Warrick	4.8
4	Clark	5.1
5	Hendricks	5.3
5	Whitley	5.3
7	Porter	5.4
7	Boone	5.4
9	Howard	5.5
9	Harrison	5.5
11	Marshall	5.6
12	Monroe	5.7
13	Gibson	6.0
14	Johnson	6.1
15	Jefferson	6.3
15	Dubois	6.3
17	Vigo	6.4
18	De Kalb	6.5
19	Washington	6.5
19	Wabash	6.5
21	Dearborn	6.6
22	Tippecanoe	6.7
23	Knox	6.8
24	Ripley	6.9
24	Lagrange	6.9
26	Kosciusko	7.0
26	Madison	7.0
26	Jennings	7.0
29	Clinton	7.1
29	Jasper	7.1
29	Putnam	7.1
32	Clay	7.2
32	Hancock	7.2
32	Scott	7.2
32	Elkhart	7.2
36	Noble	7.3
37	Shelby	7.4
38	White	7.5
38	Miami	7.5
40	Morgan	7.6
41	Lawrence	7.7
42	Jackson	7.8
42	Daviess	7.8
44	Allen	7.9
45	Vanderburgh	8.1
45	Wayne	8.1
47	Bartholomew	8.4
48	St. Joseph	8.7
49	Montgomery	8.9
49	Fulton	8.9
51	Henry	9.1
51	Spencer	9.1
51	Lake	9.1
51	Delaware	9.1
55	LaPorte	9.2
55	Starke	9.2
57	Marion	9.4
57	Greene	9.4
57	Cass	9.4
60	Grant	9.6
61	Adams	10.0
62	Jay	10.6
	INDIANA	7.5

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Infant Mortality Rate, White Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*	RANK	COUNTY	RATE*
1	Floyd	4.1	46	Miami	7.6
2	Hamilton	4.2	46	Bartholomew	7.6
3	Warrick	4.5	48	Morgan	7.7
4	Howard	4.9	49	Delaware	7.8
4	Clark	4.9	49	Lawrence	7.8
6	Hendricks	5.0	51	Daviess	8.0
7	Marshall	5.1	51	Cass	8.0
8	Porter	5.4	53	Montgomery	9.1
8	Whitley	5.4	53	Henry	9.1
10	Boone	5.6	53	Grant	9.1
10	Allen	5.6	56	Fulton	9.2
10	Harrison	5.6	57	Starke	9.3
10	St. Joseph	5.6	58	Greene	9.6
14	Vigo	5.7	59	Adams	9.8
14	Johnson	5.7	60	Jay	10.5
16	Wabash	5.8			
16	Knox	5.8			
18	Monroe	5.9		INDIANA	6.3
18	Elkhart	5.9			
20	Gibson	6.0			
20	De Kalb	6.0			
22	Dubois	6.1			
22	Madison	6.1			
22	Clinton	6.1			
25	Jefferson	6.2			
25	Washington	6.2			
27	Tippecanoe	6.3			
28	Dearborn	6.4			
29	Marion	6.5			
30	Hancock	6.6			
31	Lake	6.7			
31	Lagrange	6.7			
31	Ripley	6.7			
34	Jennings	6.9			
35	Kosciusko	7.0			
35	Scott	7.0			
37	Jackson	7.1			
38	LaPorte	7.2			
38	Jasper	7.2			
38	Wayne	7.2			
38	Shelby	7.2			
38	Noble	7.2			
43	Putnam	7.3			
43	Clay	7.3			
43	Vanderburgh	7.3			

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Infant Mortality Rate, Black Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Vanderburgh	14.0
2	Lake	14.4
3	Marion	14.9
4	Tippecanoe	16.2
4	LaPorte	16.2
6	Madison	17.0
7	Elkhart	18.1
8	St. Joseph	19.4
9	Delaware	19.5
10	Allen	20.6
	INDIANA	15.6

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Infant Mortality Rate, Non-Hispanic Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*	RANK	COUNTY	RATE*
1	Hamilton	4.5	48	LaPorte	9.3
2	Floyd	4.6	49	Fulton	9.4
2	Marshall	4.6	49	Lake	9.4
4	Warrick	4.9	49	Starke	9.4
5	Whitley	5.2	52	Greene	9.6
5	Porter	5.2	52	Marion	9.6
5	Hendricks	5.2	54	Grant	9.8
8	Boone	5.3	54	Adams	9.8
8	Howard	5.3	56	Cass	10.0
10	Harrison	5.5	57	Jay	10.4
10	Clark	5.5			
12	Dubois	5.7			
13	Johnson	5.8		INDIANA	7.5
13	Monroe	5.8			
15	Wabash	5.9			
16	Jefferson	6.0			
17	Vigo	6.3			
18	Knox	6.4			
19	Tippecanoe	6.5			
19	Jackson	6.5			
19	Lagrange	6.5			
19	Shelby	6.5			
23	Jennings	6.7			
23	De Kalb	6.7			
23	Dearborn	6.7			
26	Kosciusko	6.8			
27	Clay	6.9			
28	Ripley	7.1			
28	Madison	7.1			
28	Noble	7.1			
31	Putnam	7.2			
32	Hancock	7.3			
33	Jasper	7.4			
33	Elkhart	7.4			
35	Miami	7.5			
35	Morgan	7.5			
37	Lawrence	7.6			
38	Bartholomew	8.0			
38	Clinton	8.0			
40	Wayne	8.1			
41	Vanderburgh	8.2			
42	Allen	8.2			
43	Daviess	8.3			
44	Henry	8.4			
45	Montgomery	8.5			
46	St. Joseph	8.9			
47	Delaware	9.1			

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Infant Mortality Rate, Hispanic Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Allen	4.6
2	St. Joseph	6.0
3	Elkhart	6.5
4	Lake	7.0
5	Tippecanoe	8.3
6	Marion	8.4
	INDIANA	7.4

*Rate per 1,000 Live Births

Note: Hispanic ethnicity can be of any race. Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Neonatal Mortality Rate, Total Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*	RANK	COUNTY	RATE*
1	Floyd	2.3	39	Henry	5.9
2	Howard	2.8	39	LaPorte	5.9
3	Clark	3.0	41	Cass	6.0
4	Porter	3.1	42	Bartholomew	6.2
5	Hamilton	3.2	43	Marion	6.6
6	Warrick	3.3	44	Adams	7.1
7	Boone	3.6	45	Greene	7.3
8	Hendricks	3.7			
8	Dubois	3.7			
10	Vigo	3.9		INDIANA	4.9
11	Noble	4.0			
11	Monroe	4.0			
11	Madison	4.0			
14	Clinton	4.1			
15	Marshall	4.2			
15	Elkhart	4.2			
17	Johnson	4.3			
17	Wayne	4.3			
19	Daviess	4.4			
19	Knox	4.4			
21	Tippecanoe	4.5			
21	Dearborn	4.5			
21	Jackson	4.5			
21	Lagrange	4.5			
21	Lawrence	4.5			
26	Kosciusko	4.6			
27	Montgomery	4.7			
27	Hancock	4.7			
29	Gibson	4.8			
30	Shelby	5.1			
31	Allen	5.2			
32	Vanderburgh	5.4			
33	Putnam	5.5			
33	Delaware	5.5			
35	Lake	5.7			
35	Morgan	5.7			
37	Grant	5.8			
37	St. Joseph	5.8			

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Neonatal Mortality Rate, White Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Howard	2.6
2	Clark	2.7
3	Hamilton	2.8
4	Porter	3.0
5	Warrick	3.1
6	Hendricks	3.4
7	Madison	3.5
7	Wayne	3.5
9	Vigo	3.6
10	Allen	3.7
10	Elkhart	3.7
10	Knox	3.7
13	Boone	3.8
14	Marshall	4.0
14	Noble	4.0
14	Johnson	4.0
17	Monroe	4.1
17	St. Joseph	4.1
19	Hancock	4.3
19	Lake	4.3
19	Tippecanoe	4.3
22	Lagrange	4.4
22	Dearborn	4.4
22	Daviess	4.4
25	LaPorte	4.5
25	Delaware	4.5
27	Lawrence	4.6
27	Kosciusko	4.6
27	Marion	4.6
30	Montgomery	4.9
31	Cass	5.1
31	Shelby	5.1
33	Grant	5.2
34	Vanderburgh	5.3
35	Bartholomew	5.6
36	Putnam	5.7
37	Morgan	5.8
38	Henry	6.0
39	Adams	6.9
40	Greene	7.4
	INDIANA	4.1

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Neonatal Mortality Rate, Black Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Vanderburgh	7.2
2	Lake	9.0
3	Marion	10.1
4	LaPorte	10.5
5	St. Joseph	12.1
6	Allen	13.2
	INDIANA	10.0

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Neonatal Mortality Rate, Non-Hispanic Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Howard	2.8
2	Porter	2.9
3	Clark	3.1
3	Hamilton	3.1
5	Boone	3.4
5	Warrick	3.4
7	Hendricks	3.6
8	Noble	3.8
9	Vigo	3.9
10	Johnson	4.0
10	Madison	4.0
12	Elkhart	4.1
12	Monroe	4.1
14	Wayne	4.2
15	Tippecanoe	4.4
15	Lagrange	4.4
17	Daviess	4.5
17	Dearborn	4.5
19	Lawrence	4.6
20	Kosciusko	4.8
20	Hancock	4.8
20	Montgomery	4.8
23	Gibson	4.9
23	Shelby	4.9
25	Allen	5.3
26	Delaware	5.4
26	Henry	5.4
28	Vanderburgh	5.5
29	Putnam	5.6
30	Grant	5.7
31	Morgan	5.8
31	Bartholomew	5.8
33	St. Joseph	5.9
33	Lake	5.9
35	LaPorte	6.0
36	Cass	6.3
37	Marion	6.6
38	Adams	6.9
39	Greene	7.4
	INDIANA	4.8

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Neonatal Mortality Rate, Hispanic Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Lake	4.4
2	Elkhart	4.5
3	Marion	6.3
	INDIANA	5.2

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Post-neonatal Mortality Rate, Total Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Hamilton	1.3
2	Hendricks	1.6
3	Monroe	1.7
4	Johnson	1.8
5	Clark	2.1
6	Tippecanoe	2.2
6	Bartholomew	2.2
8	Porter	2.3
9	Hancock	2.4
9	Floyd	2.4
9	Kosciusko	2.4
12	Vigo	2.5
13	Howard	2.6
13	Vanderburgh	2.6
15	Allen	2.7
16	St. Joseph	2.8
17	Marion	2.9
18	Elkhart	3.0
18	Madison	3.0
20	LaPorte	3.2
21	Noble	3.3
22	Lake	3.4
23	Delaware	3.6
24	Grant	3.8
24	Wayne	3.8
26	Montgomery	4.2
	INDIANA	2.6

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Post-neonatal Mortality Rate, White Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Hamilton	1.4
2	St. Joseph	1.6
2	Hendricks	1.6
4	Johnson	1.8
4	Monroe	1.8
6	Marion	1.9
6	Allen	1.9
8	Vigo	2.1
8	Tippecanoe	2.1
8	Vanderburgh	2.1
11	Elkhart	2.2
11	Howard	2.2
11	Clark	2.2
14	Kosciusko	2.4
14	Lake	2.4
14	Porter	2.4
17	Madison	2.6
18	LaPorte	2.7
19	Noble	3.2
20	Delaware	3.3
21	Wayne	3.7
22	Grant	3.9
	INDIANA	2.2

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Post-neonatal Mortality Rate, Black Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Marion	4.9
2	Lake	5.4
3	St. Joseph	7.3
4	Allen	7.4
5	Elkhart	10.8
	INDIANA	5.6

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Post-neonatal Mortality Rate, Non-Hispanic Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Hamilton	1.4
2	Hendricks	1.6
3	Johnson	1.8
3	Monroe	1.8
5	Tippecanoe	2.0
6	Bartholomew	2.2
7	Porter	2.3
8	Floyd	2.4
8	Vigo	2.4
8	Clark	2.4
11	Howard	2.5
11	Hancock	2.5
13	Vanderburgh	2.7
14	Allen	2.9
15	Marion	3.0
15	St. Joseph	3.0
17	Madison	3.1
18	Elkhart	3.3
19	LaPorte	3.4
20	Lake	3.5
21	Delaware	3.7
22	Wayne	3.9
23	Grant	4.0
	INDIANA	2.7

*Rate per 1,000 Live Births

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Post-neonatal Mortality Rate, Hispanic Indiana Residents, 2004 – 2013

(Counties with 20 or more infant deaths for the 10 combined years)

RANK	COUNTY	RATE*
1	Elkhart	1.9
2	Marion	2.1
3	Lake	2.5
	INDIANA	2.2

*Rate per 1,000 Live Births

Note: Hispanic ethnicity can be of any race. Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Prenatal Care Began in First Trimester, Total Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT*	RANK	COUNTY	PERCENT*
1	Hamilton	85.1	49	Starke	73.3
2	Boone	83.4	49	Wells	73.3
3	Hancock	82.6	51	Morgan	73.0
4	Gibson	82.5	52	Benton	72.7
5	Posey	82.3	53	Floyd	72.6
6	Dubois	82.0	54	DeKalb	72.3
6	Warrick	82.0	55	Union	72.0
8	Knox	81.8	56	Howard	71.8
9	Henry	81.7	56	White	71.8
10	Delaware	81.5	56	Carroll	71.8
11	Hendricks	81.4	59	Brown	71.5
12	Pike	80.8	59	Vermillion	71.5
13	Randolph	79.3	59	Wayne	71.5
14	Harrison	79.1	62	Steuben	71.1
14	Spencer	79.1	63	Clark	71.0
16	Monroe	79.0	64	Tippecanoe	70.5
17	Fayette	78.2	65	Warren	70.4
17	Huntington	78.2	66	Jennings	70.3
17	Dearborn	78.2	67	Newton	69.4
20	Lawrence	77.7	68	Montgomery	69.3
21	Porter	77.6	69	Switzerland	69.0
21	Martin	77.6	70	Fulton	68.9
21	Tipton	77.6	71	Cass	68.8
21	Ohio	77.6	72	Washington	68.4
25	Rush	77.4	73	Bartholomew	68.3
26	Greene	77.2	74	Marshall	68.1
26	Miami	77.2	75	Allen	67.9
28	Jefferson	76.6	76	Lake	67.8
29	Sullivan	76.4	76	Grant	67.8
30	Putnam	76.1	78	Decatur	67.7
30	Vanderburgh	76.1	79	Noble	67.5
32	Johnson	75.9	80	St. Joseph	66.9
33	Blackford	75.8	81	LaPorte	66.2
34	Shelby	75.7	82	Scott	65.6
35	Jackson	75.4	82	Jay	65.6
36	Ripley	75.3	82	Marion	65.6
37	Jasper	75.1	85	Daviess	65.1
38	Perry	74.9	86	Clinton	64.7
39	Pulaski	74.7	87	Parke	63.4
40	Clay	74.6	88	Fountain	62.1
41	Whitley	74.5	89	Kosciusko	60.2
42	Orange	74.3	90	Elkhart	58.9
42	Wabash	74.3	91	Adams	50.7
44	Franklin	74.1	92	LaGrange	41.2
45	Owen	73.9			
46	Vigo	73.6			
47	Madison	73.4		INDIANA	70.9
47	Crawford	73.4			

*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Prenatal Care Began in First Trimester, White Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT*	RANK	COUNTY	PERCENT*
1	Hamilton	85.9	49	Wells	73.7
2	Boone	83.7	49	Starke	73.7
3	Hancock	83.0	51	Crawford	73.5
4	Dubois	82.8	51	Wayne	73.5
4	Gibson	82.8	53	Morgan	73.1
4	Posey	82.8	54	Benton	73.0
7	Warrick	82.5	55	Howard	72.9
7	Delaware	82.5	56	Tippecanoe	72.8
9	Hendricks	82.1	57	Union	72.6
10	Knox	82.0	58	DeKalb	72.4
11	Henry	81.9	58	White	72.4
12	Pike	80.9	60	Clark	72.3
13	Monroe	80.0	61	Lake	72.0
14	Randolph	79.8	62	Carroll	71.9
15	Harrison	79.3	63	Vermillion	71.6
15	Spencer	79.3	64	Steuben	71.4
17	Vanderburgh	78.7	64	Brown	71.4
18	Fayette	78.6	66	Allen	71.0
18	Dearborn	78.6	67	St. Joseph	70.7
20	Huntington	78.3	68	Jennings	70.6
21	Porter	78.2	69	Montgomery	70.3
22	Tipton	78.1	70	Warren	70.1
23	Lawrence	77.8	71	Marion	69.8
23	Martin	77.8	72	Grant	69.7
23	Ohio	77.8	73	Newton	69.5
26	Rush	77.7	74	Cass	69.3
27	Miami	77.4	75	Fulton	69.0
28	Greene	77.3	76	Switzerland	68.9
29	Jefferson	77.0	76	Bartholomew	68.9
30	Jackson	76.7	78	Marshall	68.7
31	Sullivan	76.5	79	Washington	68.6
31	Johnson	76.5	80	LaPorte	68.4
33	Putnam	76.4	80	Noble	68.4
34	Shelby	75.9	82	Decatur	68.0
34	Blackford	75.9	83	Scott	66.0
36	Ripley	75.5	84	Daviess	65.6
37	Perry	75.3	84	Jay	65.6
38	Jasper	75.1	86	Clinton	65.0
39	Clay	75.0	87	Parke	63.3
40	Floyd	74.9	88	Fountain	62.3
41	Madison	74.8	89	Kosciusko	61.3
42	Pulaski	74.7	90	Elkhart	60.0
42	Whitley	74.7	91	Adams	50.6
44	Orange	74.6	92	LaGrange	41.1
44	Wabash	74.6			
46	Franklin	74.4			
46	Vigo	74.4		INDIANA	73.0
48	Owen	74.1			

*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Prenatal Care Began in First Trimester, Black Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more mothers who received prenatal care in the first trimester for the 10 combined years)

RANK	COUNTY	PERCENT*
1	Shelby	80.4
2	Dearborn	76.9
3	Henry	75.0
4	Delaware	73.9
5	Hancock	73.4
6	Hamilton	72.5
7	Putnam	71.4
8	Hendricks	71.1
9	Daviess	70.0
10	Porter	69.1
11	Jefferson	68.9
12	Fayette	68.8
13	Gibson	68.7
14	Miami	68.4
15	Posey	68.3
16	Knox	66.7
17	Warrick	66.0
18	Wayne	64.9
19	Monroe	64.0
20	Vanderburgh	62.2
21	Johnson	62.1
21	Madison	62.1
23	Boone	62.0
24	Vigo	61.9
25	Howard	60.6
26	Lake	60.4
27	Clark	60.0
28	Cass	58.7
29	Marion	57.8
30	Allen	55.8
31	LaPorte	54.7
32	Bartholomew	53.9
33	Floyd	53.4
34	Kosciusko	52.6
35	Grant	52.2
36	St. Joseph	51.7
37	Tippecanoe	47.5
38	Montgomery	46.9
39	Jackson	45.8
39	Elkhart	45.8
	INDIANA	58.2

*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Prenatal Care Began in First Trimester, Non-Hispanic Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT*	RANK	COUNTY	PERCENT*
1	Hamilton	86.0	49	Wells	73.8
2	Dubois	84.4	51	Crawford	73.7
3	Boone	83.7	51	Starke	73.7
4	Hancock	82.8	53	Wayne	73.5
5	Posey	82.6	53	Benton	73.5
6	Gibson	82.5	55	Floyd	73.2
7	Warrick	82.4	56	Morgan	73.1
8	Knox	82.0	57	Tippecanoe	73.0
9	Hendricks	81.9	58	Clinton	72.8
10	Henry	81.8	58	Carroll	72.8
11	Delaware	81.7	60	Clark	72.7
12	Pike	80.8	61	DeKalb	72.6
13	Randolph	80.6	62	Union	72.4
14	Spencer	79.9	63	Howard	72.1
15	Monroe	79.6	64	Steuben	71.8
16	Tipton	79.2	65	Montgomery	71.6
17	Harrison	79.1	65	Brown	71.6
18	Dearborn	78.6	67	Vermillion	71.5
18	Huntington	78.6	68	Newton	70.8
20	Fayette	78.5	69	Jennings	70.7
21	Porter	78.2	70	Bartholomew	70.6
22	Shelby	78.0	71	Warren	70.3
23	Lawrence	77.9	72	Noble	70.0
23	Ohio	77.9	73	Marshall	69.4
25	Martin	77.7	74	Switzerland	69.2
26	Rush	77.6	75	Fulton	69.1
27	Jackson	77.5	76	Lake	68.7
28	Miami	77.4	77	Grant	68.6
28	Jefferson	77.4	78	Washington	68.4
30	Greene	77.2	79	Marion	68.2
31	Johnson	77.0	79	Decatur	68.2
32	Vanderburgh	76.8	81	St. Joseph	68.0
33	Sullivan	76.6	82	Allen	67.9
34	Jasper	76.5	83	LaPorte	67.0
35	Putnam	76.3	84	Scott	65.7
36	Blackford	76.2	85	Jay	65.6
37	Ripley	76.2	86	Daviess	65.3
38	Perry	75.1	87	Parke	63.5
39	Pulaski	75.0	88	Fountain	62.8
40	Madison	74.8	89	Elkhart	61.7
41	Orange	74.7	90	Kosciusko	61.5
41	Clay	74.7	91	Adams	50.5
43	Wabash	74.6	92	LaGrange	40.5
43	Whitley	74.6			
45	Cass	74.5			
45	Franklin	74.5		INDIANA	72.4
47	White	74.4			
48	Owen	73.9			
49	Vigo	73.8			

*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Prenatal Care Began in First Trimester, Hispanic Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more mothers who received prenatal care in the first trimester for the 10 combined years)

RANK	COUNTY	PERCENT*	RANK	COUNTY	PERCENT*
1	Gibson	87.1	40	Hamilton	59.6
2	Harrison	78.7	41	Jackson	59.5
2	Henry	78.7	42	Wells	58.9
4	Delaware	75.9	43	Blackford	58.8
5	Boone	74.7	43	Vigo	58.8
6	Greene	74.5	45	Randolph	58.4
7	Hancock	74.4	46	Howard	58.3
8	Owen	72.2	47	Adams	57.9
9	Porter	71.7	48	Jasper	57.7
10	Washington	71.2	48	DeKalb	57.7
11	Lawrence	69.6	50	St. Joseph	57.4
12	Dearborn	69.5	51	Jennings	57.1
13	Rush	69.0	51	Orange	57.1
14	Allen	68.1	53	LaPorte	56.6
15	Hendricks	67.7	54	White	55.7
16	Perry	66.7	54	Vanderburgh	55.7
16	Pulaski	66.7	56	Clark	55.4
18	Miami	66.3	56	Noble	55.4
19	Knox	66.1	58	Tippecanoe	54.5
19	Putnam	66.1	59	Carroll	54.0
21	Jay	65.7	60	Grant	53.2
22	Fulton	65.4	60	Johnson	53.2
22	Whitley	65.4	62	Newton	51.4
24	Spencer	65.0	63	Cass	51.2
25	Dubois	64.5	64	Marion	51.1
26	Lake	63.9	65	Wayne	51.0
27	Monroe	63.3	66	Kosciusko	49.6
27	Morgan	63.3	67	Elkhart	49.0
29	Floyd	62.4	68	Shelby	48.5
30	Jefferson	62.2	69	Madison	48.3
31	Daviess	62.1	70	Steuben	48.1
32	Scott	61.5	71	Bartholomew	47.1
33	Warrick	61.4	72	Fountain	43.8
34	Huntington	61.1	73	Ripley	43.3
35	Starke	60.7	74	Montgomery	43.0
36	Wabash	60.6	75	Decatur	41.3
37	Marshall	60.0	76	Clinton	40.0
37	Benton	60.0	77	Tipton	36.1
39	LaGrange	59.7			
				INDIANA	56.2

*The values are percentages of live births and do not include the unknowns.

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Low Birthweight*, Total Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Union	4.8	50	Bartholomew	7.7
2	LaGrange	5.3	51	Gibson	7.8
2	Warren	5.3	51	Jefferson	7.8
4	Benton	5.5	51	Miami	7.8
5	Brown	5.8	51	Montgomery	7.8
6	DeKalb	6.3	55	Cass	7.9
6	Marshall	6.3	55	Fayette	7.9
8	Pulaski	6.4	55	Vigo	7.9
9	Clay	6.6	58	Henry	8.0
9	Jasper	6.6	58	Knox	8.0
9	Newton	6.6	58	Morgan	8.0
9	Ohio	6.6	58	Tipton	8.0
13	Boone	6.7	58	Wayne	8.0
13	Washington	6.7	63	Greene	8.1
15	Fountain	6.8	63	Vermillion	8.1
15	Hendricks	6.8	65	Clark	8.2
17	Hamilton	6.9	65	Jay	8.2
17	Johnson	6.9	65	Martin	8.2
17	Ripley	6.9	65	Orange	8.2
17	Starke	6.9	65	St. Joseph	8.2
21	Kosciusko	7.0	65	Wabash	8.2
21	Parke	7.0	65	Whitley	8.2
21	Tippecanoe	7.0	72	Jennings	8.3
24	Adams	7.1	72	Warrick	8.3
24	Porter	7.1	74	Floyd	8.4
24	Posey	7.1	74	Sullivan	8.4
24	Spencer	7.1	76	Randolph	8.5
24	White	7.1	77	Huntington	8.6
29	Daviess	7.2	77	Lawrence	8.6
29	Dubois	7.2	77	Madison	8.6
29	Elkhart	7.2	77	Perry	8.6
29	Monroe	7.2	81	Blackford	8.7
29	Owen	7.2	81	Crawford	8.7
29	Switzerland	7.2	83	Allen	8.9
35	Carroll	7.3	84	Rush	9.0
35	Fulton	7.3	84	Vanderburgh	9.0
35	Putnam	7.3	86	Delaware	9.3
38	Dearborn	7.4	86	Marion	9.3
38	Hancock	7.4	88	LaPorte	9.4
38	Noble	7.4	88	Pike	9.4
38	Shelby	7.4	90	Grant	9.5
42	Clinton	7.5	91	Lake	9.7
42	Decatur	7.5	92	Scott	9.8
42	Franklin	7.5			
42	Jackson	7.5			
42	Steuben	7.5		INDIANA	8.2
47	Harrison	7.6			
47	Howard	7.6			
47	Wells	7.6			

*Birthweight less than 2,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Low Birthweight*, White Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Union	4.8	47	Steuben	7.6
2	Warren	5.2	47	Franklin	7.6
3	Benton	5.3	47	Lake	7.6
4	LaGrange	5.4	53	Vigo	7.7
5	Brown	5.9	53	Bartholomew	7.7
6	Marshall	6.3	53	Montgomery	7.7
7	DeKalb	6.4	53	Wayne	7.7
8	Jasper	6.5	53	Miami	7.7
8	Newton	6.5	53	Jefferson	7.7
8	Pulaski	6.5	59	Marion	7.8
8	Ohio	6.5	59	Allen	7.8
12	Clay	6.6	61	Tipton	7.9
12	Boone	6.6	61	Cass	7.9
14	Hamilton	6.7	61	Vermillion	7.9
14	Tippecanoe	6.7	61	Morgan	7.9
16	Hendricks	6.8	61	Gibson	7.9
16	Fountain	6.8	61	Floyd	7.9
16	White	6.8	67	Henry	8.0
16	Elkhart	6.8	67	Knox	8.0
16	Johnson	6.8	67	Madison	8.0
16	Washington	6.8	67	Fayette	8.0
22	Kosciusko	6.9	71	Martin	8.1
22	Ripley	6.9	71	Greene	8.1
22	Parke	6.9	73	Orange	8.2
22	Porter	6.9	73	Wabash	8.2
26	St. Joseph	7.0	73	Jennings	8.2
26	Switzerland	7.0	76	Warrick	8.3
26	Starke	7.0	76	Vanderburgh	8.3
26	Posey	7.0	76	Jay	8.3
30	Owen	7.1	76	Whitley	8.3
30	Adams	7.1	80	LaPorte	8.4
30	Daviess	7.1	80	Sullivan	8.4
30	Spencer	7.1	82	Blackford	8.5
34	Howard	7.2	83	Perry	8.6
34	Monroe	7.2	83	Lawrence	8.6
34	Putnam	7.2	83	Huntington	8.6
37	Fulton	7.3	86	Delaware	8.7
37	Dubois	7.3	86	Crawford	8.7
37	Shelby	7.3	86	Randolph	8.7
37	Carroll	7.3	89	Rush	9.0
37	Hancock	7.3	89	Grant	9.0
42	Dearborn	7.4	91	Pike	9.4
43	Clark	7.5	92	Scott	9.7
43	Clinton	7.5			
43	Decatur	7.5			
43	Noble	7.5		INDIANA	
47	Harrison	7.6			
47	Jackson	7.6			
47	Wells	7.6			

*Birthweight less than 2,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Low Birthweight*, Black Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infants with low birthweight for the 10 combined years)

RANK	COUNTY	PERCENT
1	Hendricks	8.9
2	Porter	11.1
2	Hamilton	11.1
4	Johnson	11.5
4	Vigo	11.5
6	Howard	11.6
7	Monroe	12.1
8	Tippecanoe	12.8
9	Marion	13.1
10	Floyd	13.3
11	St. Joseph	13.5
11	Clark	13.5
13	Elkhart	13.7
14	Bartholomew	13.9
15	Lake	14.2
16	Grant	14.3
17	Delaware	14.7
17	Vanderburgh	14.7
19	Madison	15.1
20	Wayne	15.3
21	LaPorte	15.5
22	Allen	15.7
	INDIANA	13.5

*Birthweight less than 2,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Low Birthweight*, Non-Hispanic Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Union	4.9	48	Tipton	7.8
2	LaGrange	5.2	48	Miami	7.8
3	Warren	5.4	52	Steuben	7.9
4	Benton	5.5	52	Noble	7.9
5	Brown	5.9	52	Gibson	7.9
6	Pulaski	6.3	52	Fayette	7.9
7	DeKalb	6.4	56	Clark	8.0
7	Marshall	6.4	56	Henry	8.0
9	Washington	6.5	56	Morgan	8.0
9	Newton	6.5	56	Vigo	8.0
11	Jasper	6.6	60	Greene	8.1
11	Ohio	6.6	60	Jennings	8.1
11	Clay	6.6	60	Vermillion	8.1
14	Ripley	6.8	60	Knox	8.1
14	Hendricks	6.8	64	Whitley	8.2
14	Boone	6.8	64	Clinton	8.2
17	Hamilton	6.9	66	Martin	8.3
17	Johnson	6.9	66	Floyd	8.3
17	Kosciusko	6.9	66	Wabash	8.3
17	Fountain	6.9	66	Orange	8.3
21	Starke	7.0	66	Wayne	8.3
21	Posey	7.0	71	Jay	8.4
21	Switzerland	7.0	71	Warrick	8.4
21	Tippecanoe	7.0	73	Cass	8.5
25	Adams	7.1	73	Crawford	8.5
25	White	7.1	73	Sullivan	8.5
25	Parke	7.1	73	St. Joseph	8.5
28	Owen	7.2	77	Lawrence	8.6
28	Spencer	7.2	77	Huntington	8.6
28	Monroe	7.2	79	Perry	8.7
28	Porter	7.2	79	Blackford	8.7
28	Daviess	7.2	79	Madison	8.7
33	Harrison	7.3	79	Randolph	8.7
34	Carroll	7.4	83	Allen	9.0
34	Dearborn	7.4	84	Vanderburgh	9.1
34	Dubois	7.4	84	Rush	9.1
34	Fulton	7.4	86	Scott	9.3
34	Hancock	7.4	86	Delaware	9.3
34	Putnam	7.4	88	Pike	9.5
40	Franklin	7.5	89	LaPorte	9.6
40	Elkhart	7.5	90	Grant	9.7
40	Jackson	7.5	91	Marion	9.8
43	Jefferson	7.6	92	Lake	10.2
43	Wells	7.6			
43	Decatur	7.6			
46	Howard	7.7		INDIANA	9.1
46	Shelby	7.7			
48	Montgomery	7.8			
48	Bartholomew	7.8			

*Birthweight less than 2,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Low Birthweight*, Hispanic Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infants with low birthweight for the 10 combined years)

RANK	COUNTY	PERCENT
1	Noble	5.1
2	Clinton	5.5
3	Marshall	5.7
3	Porter	5.7
5	Wayne	5.9
5	Dubois	5.9
7	St. Joseph	6.2
7	Cass	6.2
9	Elkhart	6.3
10	LaPorte	6.4
10	Madison	6.4
12	Johnson	6.6
12	Vanderburgh	6.6
12	Marion	6.6
15	Grant	6.7
16	Tippecanoe	6.8
17	Montgomery	6.9
18	Hamilton	7.1
18	Bartholomew	7.1
20	Lake	7.4
21	Jackson	7.5
22	White	7.6
23	Allen	7.8
23	Hendricks	7.8
25	Daviess	8.0
25	Delaware	8.0
25	Kosciusko	8.0
28	Monroe	8.4
29	Clark	9.2
30	Floyd	10.2
31	Jefferson	10.6
32	Harrison	14.4
33	Scott	24.1
	INDIANA	7.4

*Birthweight less than 2,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Very Low Birthweight*, Total Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infants with very low birthweight for the 10 combined years)

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Decatur	0.8	39	Lawrence	1.3
1	LaGrange	0.8	39	Orange	1.3
1	Newton	0.8	39	Washington	1.3
4	Daviess	0.9	39	Grant	1.3
4	Carroll	0.9	39	Dubois	1.3
4	Wabash	0.9	39	Tippecanoe	1.3
7	Fountain	1.0	39	Morgan	1.3
7	Jay	1.0	39	Huntington	1.3
7	Perry	1.0	39	Knox	1.3
7	Kosciusko	1.0	39	Spencer	1.3
7	Porter	1.0	53	Blackford	1.4
7	White	1.0	53	Floyd	1.4
7	Whitley	1.0	53	Henry	1.4
7	Starke	1.0	53	Wayne	1.4
15	Montgomery	1.1	53	Hancock	1.4
15	Wells	1.1	53	Madison	1.4
15	Boone	1.1	53	Monroe	1.4
15	Franklin	1.1	53	Rush	1.4
15	Adams	1.1	53	Jefferson	1.4
15	Johnson	1.1	53	Clark	1.4
15	Marshall	1.1	53	Delaware	1.4
15	DeKalb	1.1	53	Tipton	1.4
15	Howard	1.1	53	Miami	1.4
24	Scott	1.2	53	Randolph	1.4
24	Posey	1.2	53	Steuben	1.4
24	Ripley	1.2	53	Sullivan	1.4
24	Shelby	1.2	53	Noble	1.4
24	Warrick	1.2	53	Vigo	1.4
24	Jasper	1.2	71	Allen	1.5
24	Clay	1.2	71	Martin	1.5
24	Hamilton	1.2	71	Pike	1.5
24	Hendricks	1.2	71	Bartholomew	1.5
24	Fulton	1.2	75	St. Joseph	1.6
24	Greene	1.2	75	Cass	1.6
24	Jackson	1.2	75	Fayette	1.6
24	Owen	1.2	78	Switzerland	1.8
24	Putnam	1.2	78	Vanderburgh	1.8
24	Harrison	1.2	78	LaPorte	1.8
39	Clinton	1.3	81	Lake	1.9
39	Elkhart	1.3	81	Marion	1.9
39	Jennings	1.3	81	Gibson	1.9
39	Dearborn	1.3			
				INDIANA	1.4

*Birthweight less than 1,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Very Low Birthweight*, White Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infants with very low birthweight for the 10 combined years)

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Decatur	0.8	26	Clark	1.2
1	LaGrange	0.8	26	Greene	1.2
3	Daviess	0.9	26	Ripley	1.2
3	Carroll	0.9	26	Shelby	1.2
3	Wabash	0.9	49	Steuben	1.3
3	Porter	0.9	49	Randolph	1.3
3	White	0.9	49	Tipton	1.3
8	Fountain	1.0	49	Dubois	1.3
8	Howard	1.0	49	Washington	1.3
8	Jay	1.0	49	Dearborn	1.3
8	Kosciusko	1.0	49	Clinton	1.3
8	Perry	1.0	49	Delaware	1.3
8	Whitley	1.0	49	Lawrence	1.3
8	Starke	1.0	49	Orange	1.3
15	Hamilton	1.1	49	Wayne	1.3
15	Owen	1.1	49	Hancock	1.3
15	Franklin	1.1	49	St. Joseph	1.3
15	Montgomery	1.1	62	Rush	1.4
15	Harrison	1.1	62	Bartholomew	1.4
15	Johnson	1.1	62	LaPorte	1.4
15	Grant	1.1	62	Noble	1.4
15	Marshall	1.1	62	Monroe	1.4
15	Adams	1.1	62	Floyd	1.4
15	Boone	1.1	62	Jefferson	1.4
15	DeKalb	1.1	62	Sullivan	1.4
26	Morgan	1.2	62	Lake	1.4
26	Elkhart	1.2	62	Marion	1.4
26	Huntington	1.2	62	Miami	1.4
26	Posey	1.2	62	Jennings	1.4
26	Vigo	1.2	74	Martin	1.5
26	Knox	1.2	74	Pike	1.5
26	Scott	1.2	74	Blackford	1.5
26	Allen	1.2	74	Henry	1.5
26	Madison	1.2	78	Cass	1.6
26	Hendricks	1.2	78	Fayette	1.6
26	Spencer	1.2	80	Switzerland	1.7
26	Clay	1.2	80	Vanderburgh	1.7
26	Tippecanoe	1.2	82	Gibson	1.9
26	Warrick	1.2			
26	Fulton	1.2			
26	Jackson	1.2		INDIANA	1.2
26	Jasper	1.2			
26	Putnam	1.2			
26	Wells	1.2			

*Birthweight less than 1,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Very Low Birthweight*, Black Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infants with very low birthweight for the 10 combined years)

RANK	COUNTY	PERCENT
1	Delaware	2.0
2	Vanderburgh	2.8
3	Hamilton	3.0
3	Elkhart	3.0
5	St. Joseph	3.1
5	Lake	3.1
5	Marion	3.1
8	Grant	3.2
9	Allen	3.3
9	Porter	3.3
9	Tippecanoe	3.3
12	Vigo	3.4
13	Clark	3.6
14	Madison	3.7
15	LaPorte	4.1
	INDIANA	3.1

*Birthweight less than 1,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Very Low Birthweight*, Non-Hispanic Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infants with very low birthweight for the 10 combined years)

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Decatur	0.8	40	Shelby	1.3
1	LaGrange	0.8	40	Tippecanoe	1.3
3	Wabash	0.9	40	Tipton	1.3
3	Daviess	0.9	40	Grant	1.3
3	White	0.9	40	Huntington	1.3
6	Marshall	1.0	40	Jennings	1.3
6	Porter	1.0	40	Morgan	1.3
6	Perry	1.0	40	Washington	1.3
6	Kosciusko	1.0	55	Madison	1.4
6	Starke	1.0	55	Henry	1.4
6	Whitley	1.0	55	Rush	1.4
6	Carroll	1.0	55	Wayne	1.4
13	Scott	1.1	55	Randolph	1.4
13	Adams	1.1	55	Hancock	1.4
13	Owen	1.1	55	Monroe	1.4
13	Franklin	1.1	55	Sullivan	1.4
13	Boone	1.1	55	Miami	1.4
13	Montgomery	1.1	55	Elkhart	1.4
13	Fountain	1.1	55	Vigo	1.4
13	Harrison	1.1	66	Martin	1.5
13	Jay	1.1	66	Allen	1.5
13	Johnson	1.1	66	Clinton	1.5
13	Howard	1.1	66	Pike	1.5
13	Jackson	1.1	66	Blackford	1.5
13	DeKalb	1.1	66	Noble	1.5
26	Knox	1.2	66	Bartholomew	1.5
26	Posey	1.2	73	St. Joseph	1.6
26	Jefferson	1.2	73	Fayette	1.6
26	Spencer	1.2	73	Steuben	1.6
26	Clay	1.2	76	Cass	1.7
26	Hamilton	1.2	76	Switzerland	1.7
26	Jasper	1.2	78	Gibson	1.8
26	Warrick	1.2	78	Vanderburgh	1.8
26	Putnam	1.2	80	LaPorte	1.8
26	Greene	1.2	81	Marion	2.0
26	Hendricks	1.2	82	Lake	2.1
26	Ripley	1.2			
26	Fulton	1.2			
26	Wells	1.2		INDIANA	1.5
40	Delaware	1.3			
40	Floyd	1.3			
40	Clark	1.3			
40	Orange	1.3			
40	Lawrence	1.3			
40	Dearborn	1.3			
40	Dubois	1.3			

*Birthweight less than 1,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Very Low Birthweight*, Hispanic Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more infants with very low birthweight for the 10 combined years)

RANK	COUNTY	PERCENT
1	Elkhart	1.2
2	Lake	1.3
2	Tippecanoe	1.3
2	St. Joseph	1.3
5	Marion	1.4
6	Allen	1.6
7	Clark	1.9
	INDIANA	1.3

*Birthweight less than 1,500 grams

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Breastfed at Hospital Discharge, Total Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Hamilton	88.4	50	Starke	65.1
2	LaGrange	85.8	50	Pulaski	65.1
3	Adams	85.6	50	Randolph	65.1
4	Monroe	84.8	53	Warren	65.0
5	Elkhart	80.3	53	Newton	65.0
6	Wells	79.7	55	Jefferson	64.6
7	Boone	79.1	56	Posey	64.5
8	Whitley	79.0	56	Henry	64.5
9	Brown	78.4	58	Vanderbugh	64.3
10	Hendricks	78.2	59	Howard	63.7
11	St. Joseph	77.5	60	Wayne	63.6
12	Hancock	76.9	61	Orange	63.5
12	Tippecanoe	76.9	61	Martin	63.5
14	Marshall	76.2	63	Clay	63.4
15	Kosciusko	75.5	64	Shelby	63.3
16	Allen	74.8	65	Vigo	63.2
17	Porter	74.7	65	Montgomery	63.2
18	Dubois	74.0	67	Madison	63.1
19	Bartholomew	73.6	68	Wabash	62.9
19	Johnson	73.6	68	Jennings	62.9
21	Carroll	73.3	70	Fulton	62.5
22	Daviess	73.2	71	Gibson	62.4
23	Jay	72.6	72	Miami	61.5
24	Owen	72.5	73	Rush	61.4
25	DeKalb	71.8	73	Decatur	61.4
25	Jasper	71.8	75	Spencer	61.1
27	Noble	71.0	76	Sullivan	60.7
28	Warrick	70.8	77	Pike	60.2
29	Tipton	70.7	78	Grant	60.1
30	Huntington	69.6	79	Vermillion	59.6
31	Marion	68.8	79	Crawford	59.6
32	White	68.5	81	Ripley	57.9
32	Floyd	68.5	82	Fountain	56.4
34	Parke	68.4	82	Lake	56.4
35	Harrison	67.8	84	Franklin	56.0
36	Delaware	67.7	85	Switzerland	55.8
37	Clinton	67.5	86	Fayette	53.2
38	Benton	67.3	86	Dearborn	53.2
39	Steuben	67.2	88	Union	52.2
40	LaPorte	66.8	89	Perry	51.1
41	Clark	66.7	90	Knox	51.0
41	Greene	66.7	91	Ohio	50.6
43	Lawrence	66.6	92	Scott	46.9
43	Blackford	66.6			
45	Putnam	65.8			
45	Washington	65.8		INDIANA	69.9
47	Morgan	65.7			
48	Jackson	65.3			
48	Cass	65.3			

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Breastfed at Hospital Discharge, White Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Hamilton	88.2	50	Posey	65.1
2	LaGrange	85.9	50	Howard	65.1
3	Adams	85.8	52	Madison	65.0
4	Monroe	84.4	52	Starke	65.0
5	Elkhart	81.8	54	Newton	64.9
6	St. Joseph	80.8	55	Randolph	64.8
7	Wells	79.8	55	Pulaski	64.8
8	Allen	79.5	55	Warren	64.8
9	Whitley	79.0	58	Wayne	64.6
10	Boone	78.6	59	Lake	64.5
11	Brown	78.3	60	Jefferson	64.4
12	Hendricks	78.0	60	Jackson	64.4
13	Hancock	76.7	62	Henry	64.3
13	Tippecanoe	76.7	63	Orange	63.6
15	Marshall	75.8	64	Martin	63.4
16	Kosciusko	74.8	65	Clay	63.3
17	Porter	74.7	66	Montgomery	63.1
18	Daviess	73.5	66	Vigo	63.1
19	Marion	73.4	68	Shelby	63.0
20	Dubois	73.2	69	Jennings	62.7
21	Carroll	73.1	70	Wabash	62.6
21	Johnson	73.1	71	Gibson	62.4
23	Jay	72.7	72	Grant	62.3
24	Owen	72.2	73	Fulton	62.2
25	Bartholomew	72.0	74	Miami	61.6
26	Jasper	71.8	75	Decatur	61.4
26	DeKalb	71.8	76	Rush	61.2
28	Tipton	70.8	76	Spencer	61.2
29	Warrick	70.6	78	Sullivan	60.6
30	Noble	70.5	79	Pike	60.3
31	LaPorte	69.9	80	Vermillion	59.5
32	Floyd	69.7	80	Crawford	59.5
33	Huntington	69.6	82	Ripley	57.6
34	Delaware	69.5	83	Fountain	56.1
35	Parke	68.5	84	Franklin	56.0
36	White	68.3	85	Switzerland	55.7
37	Harrison	67.8	86	Dearborn	53.4
38	Clinton	67.3	87	Fayette	53.2
38	Clark	67.3	88	Union	52.3
40	Benton	67.0	89	Perry	50.9
41	Steuben	66.9	89	Knox	50.9
42	Blackford	66.6	91	Ohio	50.4
42	Lawrence	66.6	92	Scott	46.7
44	Greene	66.5			
45	Vanderburgh	66.0			
46	Morgan	65.7		INDIANA	71.8
47	Washington	65.5			
47	Cass	65.5			
47	Putnam	65.5			

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Breastfed at Hospital Discharge, Black Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more mothers that breastfed at hospital discharge for the 10 combined years)

RANK	COUNTY	PERCENT
1	Boone	83.5
2	Hamilton	83.3
3	Hendricks	80.5
4	Hancock	79.8
5	Johnson	76.5
6	Monroe	74.9
7	Kosciusko	73.1
8	Porter	66.3
9	Bartholomew	65.1
9	Cass	65.1
11	Jackson	64.6
12	Shelby	63.0
13	Henry	61.5
14	St. Joseph	61.1
15	Warrick	60.0
16	Noble	58.8
17	Jefferson	57.8
18	Elkhart	56.7
19	Vigo	56.4
20	Marion	56.3
21	Clark	54.3
22	Tippecanoe	54.1
23	Allen	51.3
23	Miami	51.3
25	Floyd	51.0
26	Gibson	50.6
27	Wayne	49.6
28	Delaware	48.5
29	Vanderburgh	46.7
29	LaPorte	46.7
31	Howard	45.6
32	Montgomery	42.9
33	Knox	42.1
34	Madison	40.7
35	Lake	39.3
36	Grant	37.3
	INDIANA	52.4

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Breastfed at Hospital Discharge, Non-Hispanic Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Hamilton	88.3	50	Newton	64.6
2	LaGrange	86.7	50	Posey	64.6
3	Adams	85.7	52	Henry	64.4
4	Monroe	84.6	53	Randolph	64.3
5	Wells	79.8	54	Vanderburgh	63.8
6	Whitley	79.0	55	Orange	63.6
7	Boone	78.9	56	Howard	63.5
8	Brown	78.2	57	Wayne	63.4
9	Hendricks	78.1	58	Jackson	63.3
10	Elkhart	77.4	58	Jefferson	63.3
11	Hancock	76.9	58	Clay	63.3
12	St. Joseph	76.4	58	Martin	63.3
13	Tippecanoe	75.5	62	Vigo	63.0
14	Marshall	74.8	63	Wabash	62.5
15	Kosciusko	74.7	63	Jennings	62.5
16	Porter	74.6	65	Clinton	62.4
17	Allen	74.2	66	Montgomery	62.2
18	Daviess	73.4	66	Madison	62.2
19	Johnson	73.3	68	Gibson	62.1
20	Carroll	72.6	69	Cass	61.7
20	Jay	72.6	69	Shelby	61.7
22	Owen	72.2	71	Fulton	61.4
23	Bartholomew	72.1	72	Decatur	61.2
23	Dubois	72.1	72	Miami	61.2
25	DeKalb	71.9	74	Rush	61.0
26	Tipton	71.1	75	Sullivan	60.8
27	Jasper	71.0	76	Spencer	60.3
28	Warrick	70.6	77	Pike	60.2
29	Huntington	69.6	78	Crawford	59.7
30	Steuben	68.7	79	Grant	59.6
31	Noble	68.5	79	Vermillion	59.6
32	Parke	68.4	81	Ripley	57.1
33	Floyd	67.7	82	Franklin	56.1
34	Delaware	67.6	83	Switzerland	55.7
35	Harrison	67.4	83	Fountain	55.7
36	Benton	67.2	83	Lake	55.7
37	Greene	66.5	86	Dearborn	53.1
37	Lawrence	66.5	86	Fayette	53.1
39	Marion	66.2	88	Union	52.3
40	Blackford	66.0	89	Perry	51.0
41	Putnam	65.6	90	Knox	50.8
41	White	65.6	91	Ohio	50.6
41	Washington	65.6	92	Scott	46.3
44	Morgan	65.5			
45	LaPorte	65.4			
46	Starke	65.0		INDIANA	69.0
47	Warren	64.9			
47	Clark	64.9			
49	Pulaski	64.8			

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Breastfed at Hospital Discharge, Hispanic Population, Indiana Residents, 2004 – 2013

(Counties with 20 or more mothers that breastfed at hospital discharge for the 10 combined years)

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Hamilton	92.0	40	Washington	78.0
2	Owen	91.7	41	Vanderburgh	77.9
3	Blackford	91.2	42	Wabash	77.7
4	Elkhart	90.1	43	Wells	77.6
5	Rush	89.7	44	Gibson	77.4
6	Monroe	89.5	45	Vigo	77.3
7	Jefferson	88.3	46	Harrison	77.1
7	Dubois	88.3	47	Randolph	77.0
9	Wayne	88.0	48	Putnam	76.8
10	Bartholomew	87.2	49	Cass	76.4
11	St. Joseph	86.7	49	Spencer	76.4
12	Tippecanoe	86.5	51	Dearborn	76.3
12	Boone	86.5	52	Montgomery	75.5
14	Warrick	86.0	53	Porter	75.4
15	White	85.8	54	Fountain	75.3
16	Morgan	85.7	54	Miami	75.3
17	Ripley	85.6	56	Lawrence	75.0
18	Carroll	84.9	57	Huntington	73.3
19	Marion	84.5	58	Pulaski	72.9
20	Noble	84.4	59	Howard	72.6
21	Marshall	84.3	60	Jay	72.4
22	Fulton	83.8	61	DeKalb	72.3
22	LaPorte	83.8	62	Daviess	72.1
24	Hancock	83.7	63	Steuben	71.6
25	Clark	83.3	64	Decatur	71.4
26	Clinton	83.1	65	Delaware	71.1
27	Hendricks	82.5	66	Knox	69.6
28	Kosciusko	82.4	67	Newton	69.5
29	Shelby	82.3	68	Henry	69.3
30	Adams	82.0	69	Benton	69.2
31	Jasper	81.6	70	Grant	68.5
32	Allen	81.4	71	Starke	67.9
33	Whitley	80.8	72	Scott	67.5
34	Jackson	80.7	73	LaGrange	64.3
35	Johnson	79.8	74	Orange	62.9
36	Madison	79.4	75	Tipton	60.7
37	Floyd	79.2	76	Lake	59.5
38	Greene	78.7	77	Perry	52.1
39	Jennings	78.6			
				INDIANA	80.0

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Mothers Smoked During Pregnancy, Total Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Hamilton	4.1	49	Gibson	23.4
2	Lagrange	8.8	50	Vigo	23.6
3	Adams	9.0	51	Howard	23.8
4	Hendricks	10.4	52	Putnam	23.9
5	Lake	12.6	53	Washington	24.2
6	St. Joseph	13.2	54	Clay	24.5
7	Boone	13.6	55	Ripley	24.6
8	Dubois	13.8	56	Huntington	24.7
9	Allen	13.9	57	Union	25.5
9	Elkhart	13.9	57	De Kalb	25.5
11	Hancock	14.3	59	Greene	25.6
12	Porter	14.4	59	Sullivan	25.6
13	Tippecanoe	14.6	59	Shelby	25.6
13	Daviess	14.6	62	Fountain	25.7
15	Marion	15.0	62	Pike	25.7
16	Warrick	15.4	64	Steuben	25.8
17	Floyd	15.7	65	Rush	26.0
18	Monroe	16.6	65	Newton	26.0
19	Clark	17.3	65	Decatur	26.0
20	Bartholomew	17.4	68	Ohio	26.1
21	Johnson	17.9	69	Randolph	26.2
21	Tipton	17.9	70	Miami	26.6
23	Kosciusko	18.2	71	Lawrence	26.7
24	Wells	18.3	71	LaPorte	26.7
25	Whitley	19.4	71	Jennings	26.7
25	Clinton	19.4	74	Jefferson	26.8
27	Marshall	19.6	75	Morgan	27.0
28	Carroll	20.3	76	Wabash	27.7
29	Posey	20.5	77	Henry	27.8
30	Spencer	20.6	78	Grant	27.9
30	Benton	20.6	79	Vermillion	28.4
32	Warren	20.8	80	Orange	28.6
33	Vanderburgh	21.1	81	Perry	28.9
34	Jasper	21.2	81	Montgomery	28.9
35	Brown	21.4	83	Pulaski	29.1
36	Cass	21.5	83	Switzerland	29.1
37	Franklin	21.6	85	Knox	29.6
38	Harrison	21.7	85	Starke	29.6
39	Jay	21.9	87	Fulton	30.0
40	Jackson	22.0	88	Blackford	30.8
41	Parke	22.3	89	Owen	31.0
42	Martin	22.8	90	Fayette	31.2
42	White	22.8	91	Crawford	31.7
44	Noble	22.9	92	Scott	33.5
45	Dearborn	23.0			
46	Wayne	23.1			
47	Madison	23.2		INDIANA	17.5
48	Delaware	23.3			

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Mothers Smoked During Pregnancy, White Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Hamilton	4.4	51	Vigo	24.3
2	Lagrange	8.8	52	Wayne	24.4
3	Adams	8.9	53	Howard	24.5
4	Hendricks	10.9	54	Clay	24.7
5	Lake	13.9	55	Ripley	24.8
5	Elkhart	13.9	56	Huntington	24.9
7	St. Joseph	14.0	57	Union	25.1
8	Boone	14.1	58	De Kalb	25.7
9	Allen	14.3	58	Greene	25.7
10	Dubois	14.4	60	Sullivan	25.8
11	Hancock	14.7	60	Pike	25.8
12	Daviess	15.0	62	Shelby	26.0
13	Porter	15.1	63	Rush	26.1
14	Warrick	15.8	64	Steuben	26.2
15	Floyd	15.9	64	Fountain	26.2
16	Tippecanoe	16.3	64	Decatur	26.2
17	Marion	17.3	64	Ohio	26.2
18	Monroe	18.0	68	Newton	26.3
19	Tipton	18.1	69	Randolph	26.4
20	Clark	18.2	70	Miami	26.6
21	Wells	18.3	71	Lawrence	26.8
22	Johnson	18.5	72	Jennings	27.0
23	Bartholomew	18.9	73	Morgan	27.1
24	Kosciusko	19.3	74	Jefferson	27.2
25	Whitley	19.4	75	Henry	27.9
26	Clinton	19.8	76	Wabash	28.0
27	Posey	20.0	76	LaPorte	28.0
28	Marshall	20.3	78	Grant	28.2
29	Carroll	20.4	79	Orange	28.4
30	Spencer	20.6	80	Vermillion	28.5
31	Benton	21.0	81	Perry	28.9
31	Warren	21.0	82	Switzerland	29.2
33	Jasper	21.4	83	Pulaski	29.3
34	Franklin	21.5	84	Montgomery	29.6
35	Brown	21.6	85	Starke	29.7
36	Cass	21.8	86	Knox	29.9
36	Harrison	21.8	87	Fulton	30.5
36	Vanderburgh	21.8	88	Blackford	30.9
39	Jay	21.9	89	Owen	31.2
40	Parke	22.4	89	Fayette	31.2
41	Martin	22.8	91	Crawford	31.7
42	Dearborn	23.1	92	Scott	33.7
42	Jackson	23.1			
44	White	23.2			
45	Gibson	23.5		INDIANA	18.7
46	Delaware	24.0			
46	Noble	24.0			
48	Putnam	24.1			
48	Madison	24.1			
50	Washington	24.2			

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Mothers Smoked During Pregnancy, Black Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Hamilton	3.1	37	Clay	26.9
2	Hancock	4.0	38	Cass	30.2
3	Hendricks	4.4	39	Shelby	30.4
4	Clinton	4.5	40	Montgomery	30.6
5	Boone	7.6	41	Dearborn	30.8
6	Porter	7.8	42	Fayette	31.3
7	Lake	11.7	43	Jackson	33.3
8	Noble	11.8	44	De Kalb	36.4
9	Warrick	12.0	45	Daviess	40.0
10	St. Joseph	12.1	46	Henry	40.4
10	Marion	12.1	47	Lawrence	45.8
12	Johnson	13.2	48	Orange	45.8
13	Clark	13.6	49	Posey	56.1
14	Monroe	13.8			
15	Tippecanoe	14.5			
16	Allen	15.5		INDIANA	13.4
17	Floyd	17.1			
17	Madison	17.1			
19	Wabash	17.4			
20	Putnam	17.9			
21	Elkhart	18.2			
22	Kosciusko	19.2			
23	Knox	19.3			
24	Howard	19.4			
25	Delaware	20.1			
26	Vanderburgh	20.4			
26	Vigo	20.4			
28	Gibson	20.5			
29	Wayne	20.9			
30	LaPorte	22.0			
31	Bartholomew	22.1			
32	Marshall	23.1			
33	Morgan	24.0			
34	Jefferson	24.4			
35	Miami	25.0			
36	Grant	26.2			

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Mothers Smoked During Pregnancy, Non-Hispanic Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Hamilton	4.2	50	Clay	24.7
2	Lagrange	8.9	50	Huntington	24.7
2	Adams	8.9	52	Ripley	25.1
4	Hendricks	10.5	53	Clinton	25.3
5	Boone	13.8	53	Steuben	25.3
6	Lake	14.2	55	Union	25.4
7	Hancock	14.4	56	Greene	25.7
8	St. Joseph	14.5	56	Sullivan	25.7
9	Allen	14.8	58	De Kalb	25.8
10	Porter	15.0	59	Pike	25.9
11	Warrick	15.5	60	White	26.0
12	Dubois	15.6	61	Ohio	26.1
12	Daviess	15.6	62	Rush	26.2
14	Floyd	16.2	63	Decatur	26.4
15	Tippecanoe	16.3	63	Fountain	26.4
16	Monroe	16.9	65	Lawrence	26.8
17	Elkhart	17.3	65	Miami	26.8
17	Marion	17.3	67	Noble	27.0
19	Wells	18.5	68	Morgan	27.2
19	Tipton	18.5	68	Newton	27.2
21	Johnson	18.6	70	Randolph	27.3
22	Clark	18.7	71	Jennings	27.4
23	Bartholomew	19.1	72	Shelby	27.5
24	Whitley	19.4	73	Cass	27.6
25	Kosciusko	20.1	74	Henry	27.9
26	Posey	20.2	74	Jefferson	27.9
27	Warren	20.8	76	Wabash	28.3
28	Carroll	21.3	76	LaPorte	28.3
29	Spencer	21.4	78	Vermillion	28.4
30	Benton	21.5	79	Grant	28.8
31	Vanderburgh	21.6	79	Orange	28.8
31	Franklin	21.6	81	Perry	29.1
33	Brown	21.7	82	Switzerland	29.3
34	Harrison	22.0	83	Pulaski	29.6
35	Marshall	22.2	84	Knox	29.7
35	Parke	22.2	85	Starke	30.0
37	Jay	22.5	86	Montgomery	30.8
37	Jasper	22.5	87	Fulton	31.1
39	Martin	23.0	88	Fayette	31.3
40	Dearborn	23.2	88	Blackford	31.3
41	Gibson	23.5	88	Owen	31.3
42	Delaware	23.6	91	Crawford	31.8
43	Vigo	23.7	92	Scott	34.0
44	Putnam	24.0			
44	Howard	24.0			
46	Washington	24.2		INDIANA	18.8
47	Madison	24.4			
47	Wayne	24.4			
49	Jackson	24.5			

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Mothers Smoked During Pregnancy, Hispanic Population, Indiana Residents, 2004 – 2013

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	Brown	0.0	51	Porter	8.1
1	Martin	0.0	52	Fountain	8.2
1	Pike	0.0	53	Blackford	8.8
1	Union	0.0	54	Steuben	9.3
5	Dubois	0.6	55	Fulton	9.6
6	Bartholomew	1.2	55	Delaware	9.6
7	Hamilton	1.4	57	Jay	9.7
7	Clinton	1.4	58	Rush	10.3
9	Marion	1.9	59	De Kalb	10.8
10	Noble	2.0	60	Fayette	11.1
11	Elkhart	2.2	61	Newton	11.4
12	Cass	2.5	62	Pulaski	12.5
12	Daviess	2.5	63	Grant	13.0
14	Jackson	2.7	64	Wells	13.1
14	Kosciusko	2.7	65	Morgan	13.3
16	Madison	2.8	65	Harrison	13.3
17	Jennings	3.1	67	Howard	13.5
18	Carroll	3.2	68	Adams	14.0
18	Tippecanoe	3.2	69	Scott	14.5
18	Shelby	3.2	70	Miami	14.6
21	Tipton	3.3	71	Whitley	15.4
21	St. Joseph	3.3	72	Knox	16.1
21	Wayne	3.3	72	Gibson	16.1
24	Marshall	3.5	74	Vigo	16.5
24	Johnson	3.5	75	Starke	16.7
26	Lagrange	3.6	75	Sullivan	16.7
27	White	3.9	77	Greene	17.0
28	Clay	4.2	78	Warren	17.6
29	Allen	4.6	79	Putnam	17.9
29	Jasper	4.6	80	Perry	18.8
31	Boone	4.7	81	Lawrence	19.6
32	Hendricks	5.1	82	Franklin	20.0
33	Ripley	5.2	82	Orange	20.0
33	Montgomery	5.2	84	Henry	22.7
35	Clark	5.3	85	Washington	23.7
35	Wabash	5.3	86	Switzerland	23.8
37	Owen	5.6	87	Crawford	24.0
38	Spencer	5.7	88	Huntington	24.4
38	Lake	5.7	89	Ohio	25.0
40	Benton	6.2	89	Vermillion	25.0
40	Hancock	6.2	91	Posey	39.4
42	Jefferson	6.4	92	Parke	40.0
43	Dearborn	6.8			
44	Monroe	7.5			
45	LaPorte	7.6		INDIANA	4.0
46	Floyd	7.7			
47	Randolph	7.9			
47	Warrick	7.9			
47	Decatur	7.9			
47	Vanderburgh	7.9			

Note: Some rankings in the 2004-2013 report are not comparable to previous reports. All county rankings are listed in order of best performing counties to worst performing counties.

Glossary of Terms

Age-Specific Birth Rate – The number of live births for a specific age group for every 1,000 women in that age group.

Birthweight – The amount a liveborn infant weighs at birth.

County of Occurrence – The Indiana County where someone gave birth or died. The person may or may not be an Indiana resident.

County of Residence – For birth data, the county of residence is the mother's Indiana County of residence at the time she gave birth, regardless of where she gave birth. For death data, the county of residence is where the person lived when he or she died, regardless of where the death occurred.

Ethnicity – Births are based on the reported ethnicity of the mother. Infant deaths are based on the reported ethnicity of the infant. In Indiana, "Hispanic" is classified as an individual's ethnicity, not his or her race; all Hispanics are classified as either "White Hispanic", "Black Hispanic", or "Other Hispanic". Please see Preface for OMB standards regarding ethnicity.

First Trimester – The first three months of pregnancy.

Infant Mortality – The death of an infant less than one year old. The infant mortality rate (IMR) is calculated by taking infant deaths divided by live births multiplied by 1,000.

Kotelchuck Index – The Kotelchuck Index is an Adequacy of Prenatal Care Utilization (APNCU) Index which attempts to characterize prenatal care (PNC) utilization on two independent and distinctive dimensions – namely adequacy of initiation of PNC and adequacy of received services (once PNC has begun). It utilizes month of initial PNC visit, number of visits, and gestational age in its calculations.

Live Birth – A live birth is any infant who breathes or shows any other evidence of life (such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles) after separation from the mother's uterus, regardless of the duration of gestation.

Low Birthweight (LBW) – Birthweight less than 2,500 grams (5 lb. 8 oz.)

Neonatal Mortality – The death of an infant less than 28 days old. The rate is calculated by taking the number of neonatal deaths divided by live births multiplied by 1,000.

Occurrent Live Birth – The live birth of an infant occurring in Indiana regardless of the mother's state of residence. The mother may or may not be an Indiana resident.

Preterm Births – Delivery of a liveborn infant prior to 37 weeks gestation. See Preface for more detailed information about how preterm births were calculated in this report.

Post-neonatal Mortality – The death of an infant 28 days to 364 days old. The rate is calculated by taking the number of Post-neonatal deaths divided by live births multiplied by 1,000.

Race – Births are based on the reported race of the mother. Infant deaths are based on the reported race of the infant. In this report, race is categorized as “White”, “Black”, and “Total”. “Total” represents all races combined, which includes “White”, “Black”, and “Other”. “Other” means all other races besides White and Black, including unknown. In Indiana, “Hispanic” is classified as an individual’s ethnicity, not his or her race. Please see definition of Ethnicity. Please see Preface for OMB standards regarding race.

Ratio of Black to White Infant Mortality Rate – Black infant mortality rate divided by white infant mortality rate. The ratio is unstable if the numerator or denominator is less than 20. The ratio can be calculated with neonatal and Post-neonatal mortality rates, also.

Resident Live Birth – The live birth of an infant whose mother’s usual residence is in Indiana, regardless of where the birth occurred (inside Indiana or elsewhere).

Smoked During Pregnancy – This information is self-reported by the mother.

Stable Rate – A rate containing a minimum of 20 occurrences or events (e.g., births or deaths) per unit being examined (e.g., county or state).

Unstable Rate – When the numerator or denominator is less than 20, the rate is unstable. A small change in the numerator or denominator can lead to a large change in the rate from one year to the next. Some of the rates shown in this report are based on a small number of live births or deaths by age or race. ***The unstable rates are shown in this report, but we do not recommend using unstable rates. Unstable rates do not lend themselves to being used to make decisions.***

Very Low Birthweight (VLBW) – Birthweight less than 1,500 grams (3 lb. 5 oz.)

Appendix

Infant Mortality Cause of Death Category ICD-10 Codes

Cause of Death Category	Description	ICD-10 Code
Perinatal Risks	Certain conditions originating in the perinatal period (low birthweight, preterm, premature rupture of membranes, bacterial sepsis of newborn, etc.).	P00-P96
Congenital Abnormalities and Malformations	Physical defects present at birth that result from genetics, through exposure of the fetus to mal-forming agents, or are of unknown origin.	Q00-Q99
Sudden Unexpected Infant Deaths (SUIDs)	Sleep-related infant deaths and unexpected deaths of no known cause after investigation. Includes Sudden Infant Death Syndrome (SIDS) and accidental suffocation and strangulation in bed. (Centers for Disease Control and Prevention recommendation)	R95, R99, W75
Assaults and Other Injuries	Deaths related to homicide, neglect, and preventable injuries not included in the SUIDs category (inhalation, ingestion, falls, motor vehicle accidents, etc.).	V01-W74, W76-W99, X00-59, X85-Y09, Y20, Y86
All Other Causes	Residual causes of deaths	Residual