Indiana Maternal and Child Health Outcomes and Performance Measures Data Book

State and Selected County Data 1999-2008

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Glossary of Terms

Preface

The *Indiana Maternal and Child Health Outcomes and Performance Measures Data Book, 1999-2008*, provides a summary of data relating to pregnancy, birth, and mortality in Indiana and selected counties for the years 1999-2008.

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 Epidemiology Resource Center (ERC), Data Analysis Team, compiled these data to produce this report.

Mortality rates for 2001 were calculated using the 2000 U.S. Census Bureau's population data, because the 2001 population estimates had not been released at the time of publication of the *2001 Indiana Mortality Report*.

Indiana began using the 2003 US 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 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:

<u>Prenatal Care</u>: 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 who adopted the revised certificate, and it is considered to be the result of better reporting.

<u>Adequacy of Prenatal Care Utilization (Kotelchuck Index)</u>: **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.

<u>Tobacco Use</u>: 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.

<u>Preterm Birth</u>: **In this report and in the 1998-2007 MCH Outcomes report, we used the calculated gestation based on the last menstrual period to determine preterm births.** We used the total births with gestations that could be calculated, and excluded the missing data. The National Center for Health Statistics (NCHS) and the March of Dimes use the same calculation to determine

the preterm births. Therefore, one can compare the preterm data in this report with the preterm data provided by NCHS and the March of Dimes.

The preterm data in this report are not comparable with the preterm data in the 1997-2006 MCH Outcomes report and prior reports, and in the 1998 through 2008 Indiana Natality Reports. In those reports, we used the obstetrical estimate of gestation (clinical estimate of gestation) to calculate the preterm data.

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.

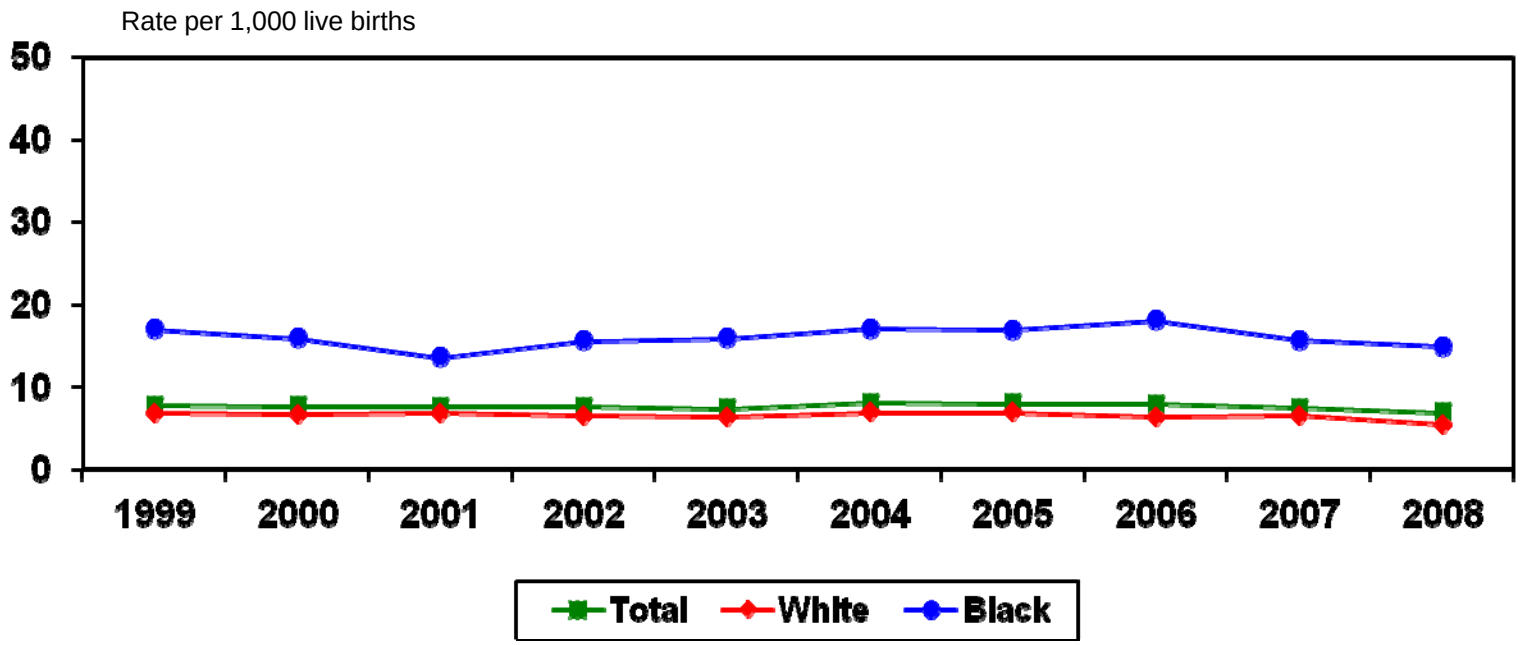
The relationship between the two OMB standards and the terms used to report race and ethnicity in this report are as follows:

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

Most tables in this report will print on one page (8.5" x 11") if margins are set to 0.25” in all dimensions and the tables are viewed at the smallest font size.

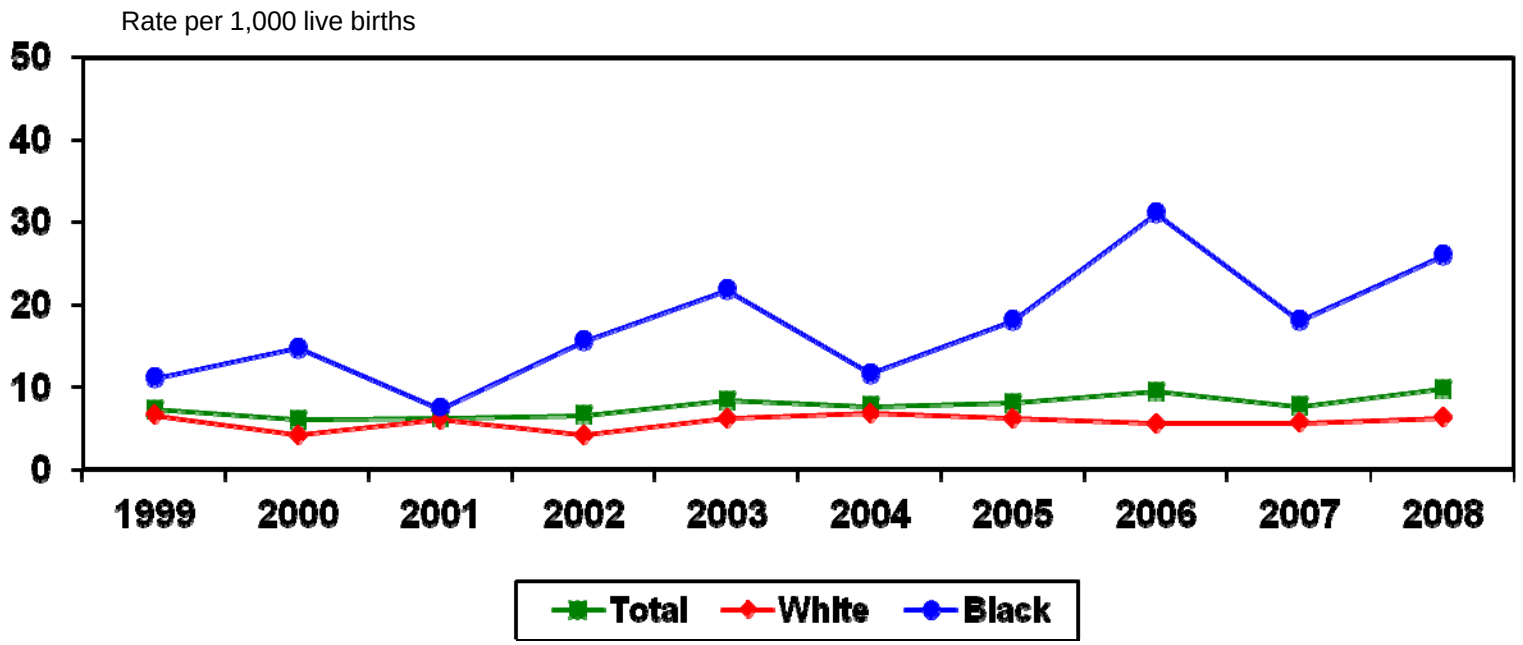
Infant Mortality Rates by Race
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.8	7.7	7.6	7.6	7.4	8.1	8.0	7.9	7.5	6.9
White	6.8	6.7	6.8	6.5	6.4	6.9	6.9	6.4	6.5	5.5
Black	17.0	15.9	13.6	15.6	15.9	17.1	16.9	18.1	15.7	14.9

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

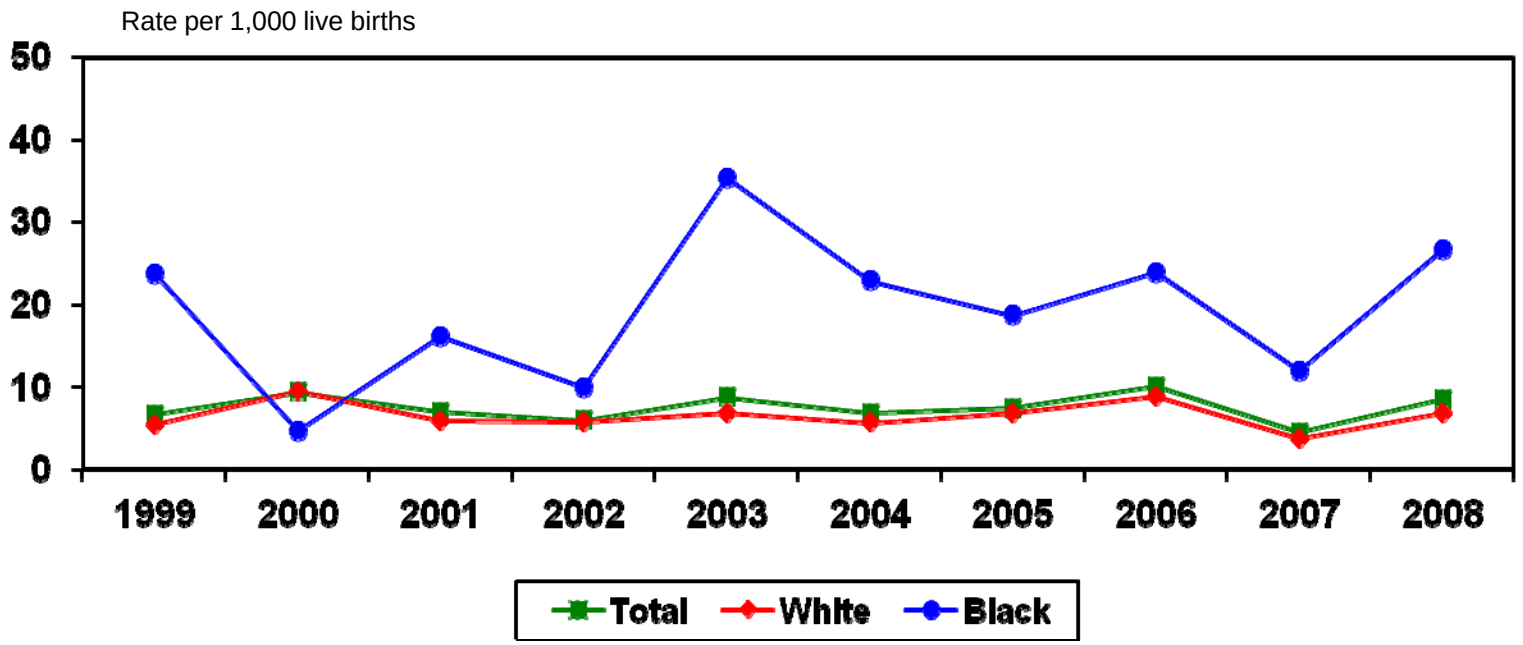
Infant Mortality Rates by Race
Allen County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.3	6.1	6.3	6.6	8.4	7.7	8.1	9.5	7.7	9.8
White	6.6	**4.2***	6.1	**4.2***	6.2	6.8	6.2	5.6	5.7	6.3
Black	**11.1***	**14.8***	**7.4***	**15.6***	**21.8***	**11.7***	**18.1***	31.1	**18.1***	26.0

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

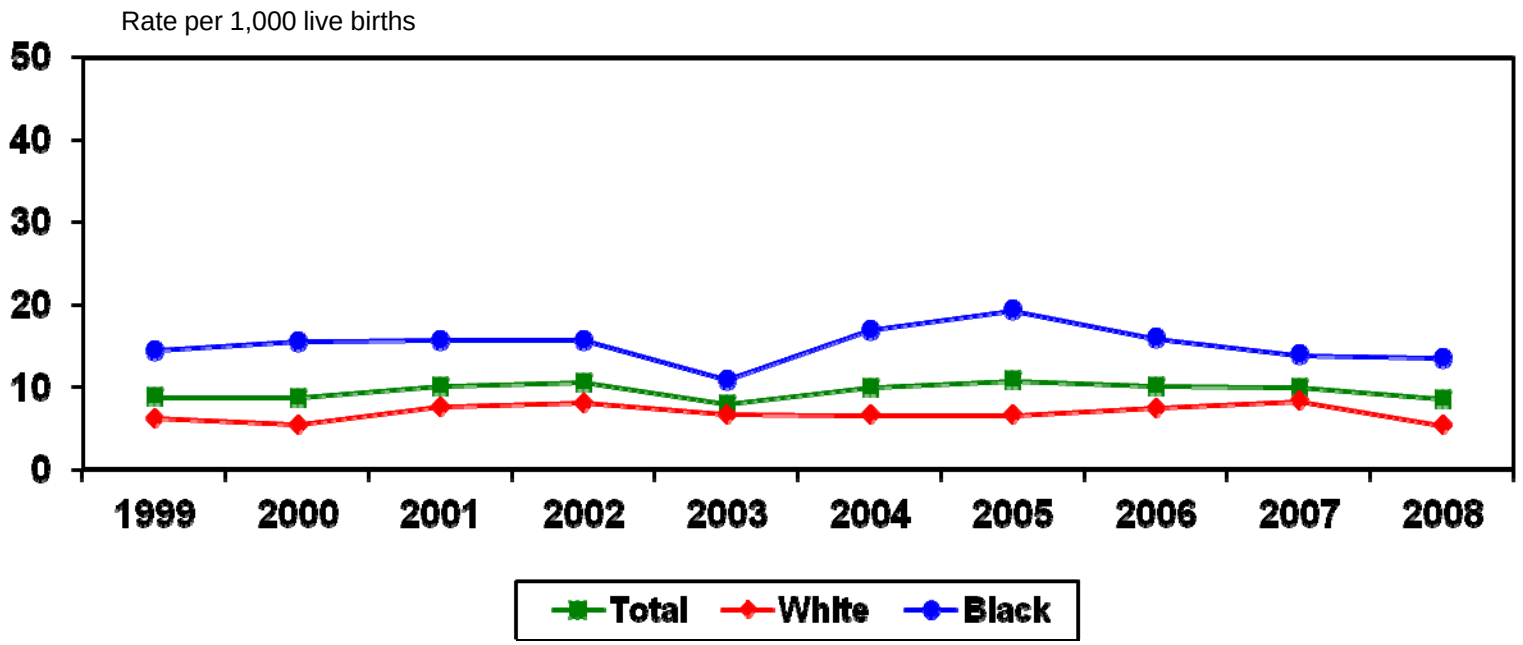
Infant Mortality Rates by Race
Elkhart County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	6.7	9.4	7.0	**6.0***	8.8	6.8	7.5	10.1	**4.5***	8.5
White	**5.5***	9.5	**5.9***	**5.8***	6.8	**5.7***	6.8	8.9	**3.7***	6.8
Black	**23.7***	**4.7***	**16.1***	**9.9***	**35.4***	**22.9***	**18.7***	**23.9***	**12.0***	**26.7***

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

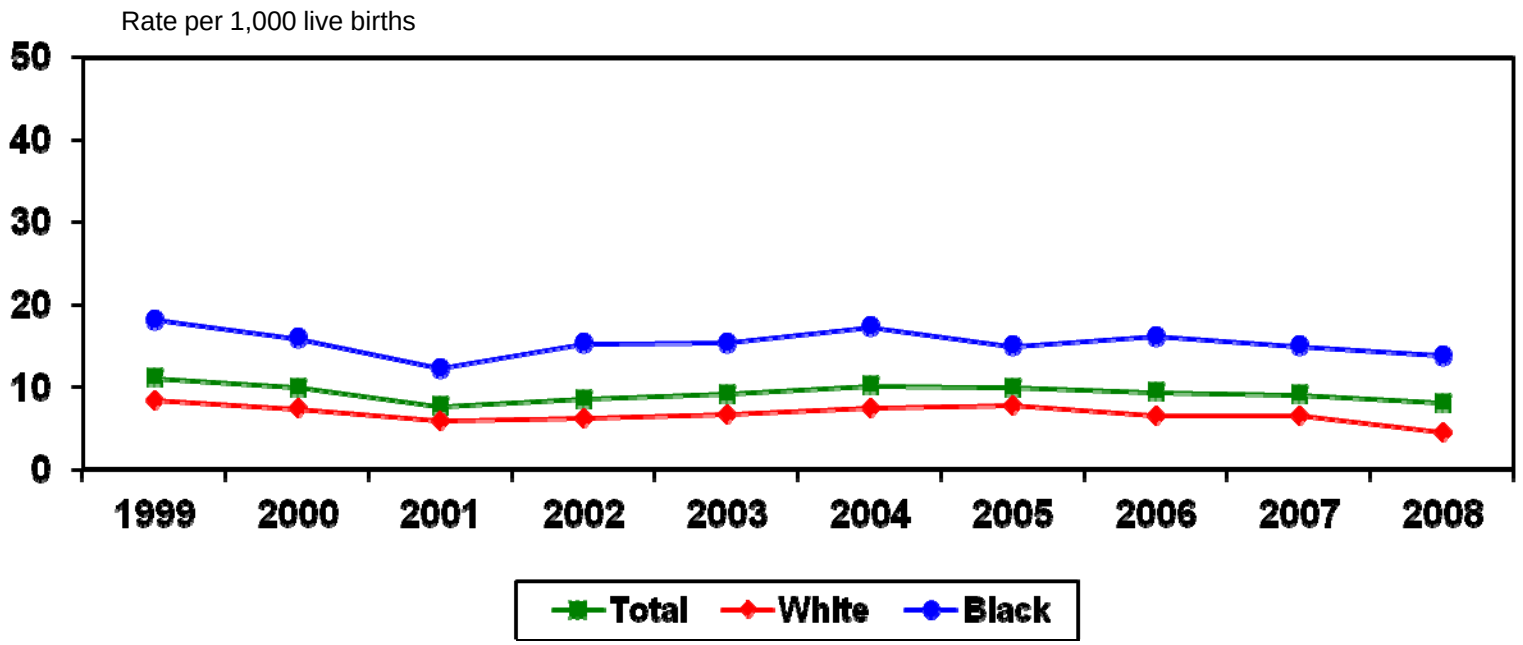
Infant Mortality Rates by Race
Lake County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	8.8	8.7	10.1	10.6	7.9	9.9	10.8	10.1	9.9	8.6
White	6.2	5.5	7.6	8.1	6.7	6.6	6.6	7.5	8.3	5.4
Black	14.4	15.5	15.7	15.7	10.9	16.9	19.3	15.9	13.9	13.5

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

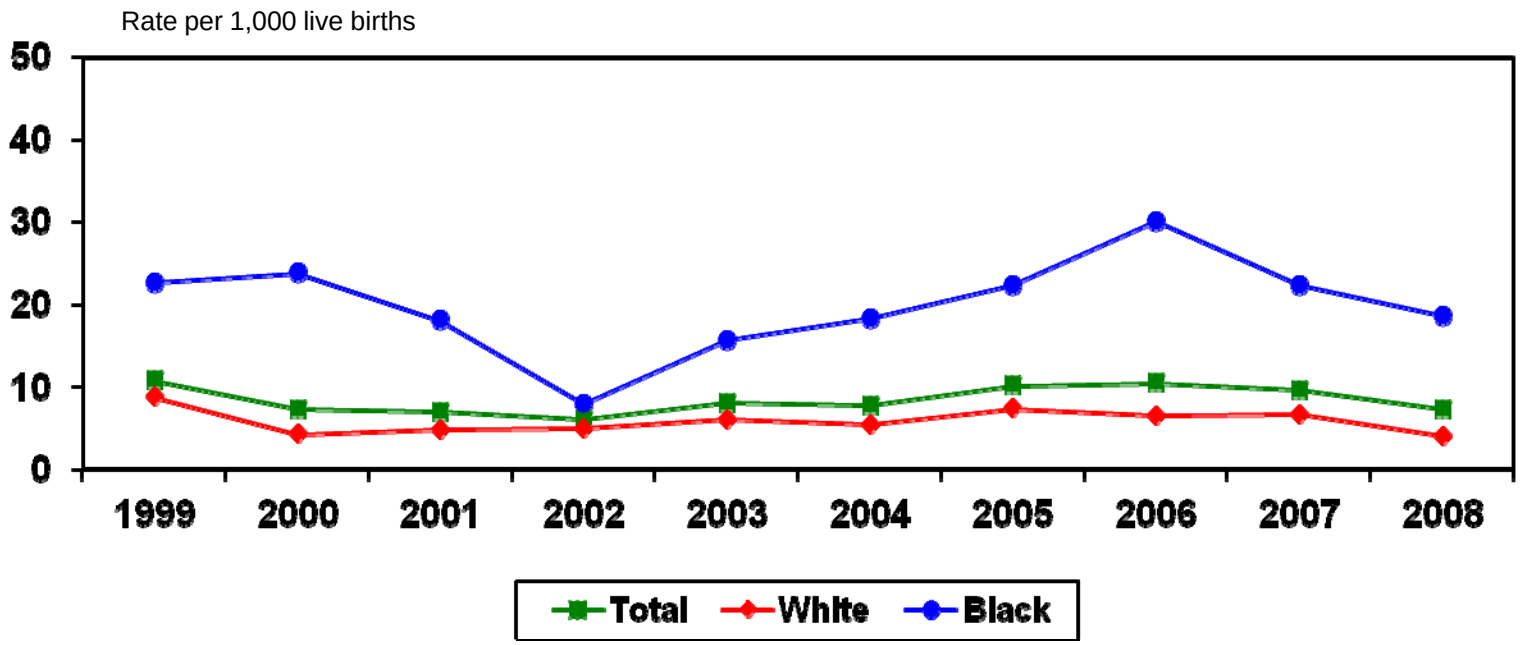
Infant Mortality Rates by Race
Marion County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	11.1	9.9	7.7	8.6	9.2	10.2	9.9	9.4	9.1	8.1
White	8.4	7.4	5.9	6.2	6.7	7.5	7.8	6.5	6.5	4.5
Black	18.2	15.9	12.3	15.3	15.4	17.3	15.0	16.1	15.0	13.8

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

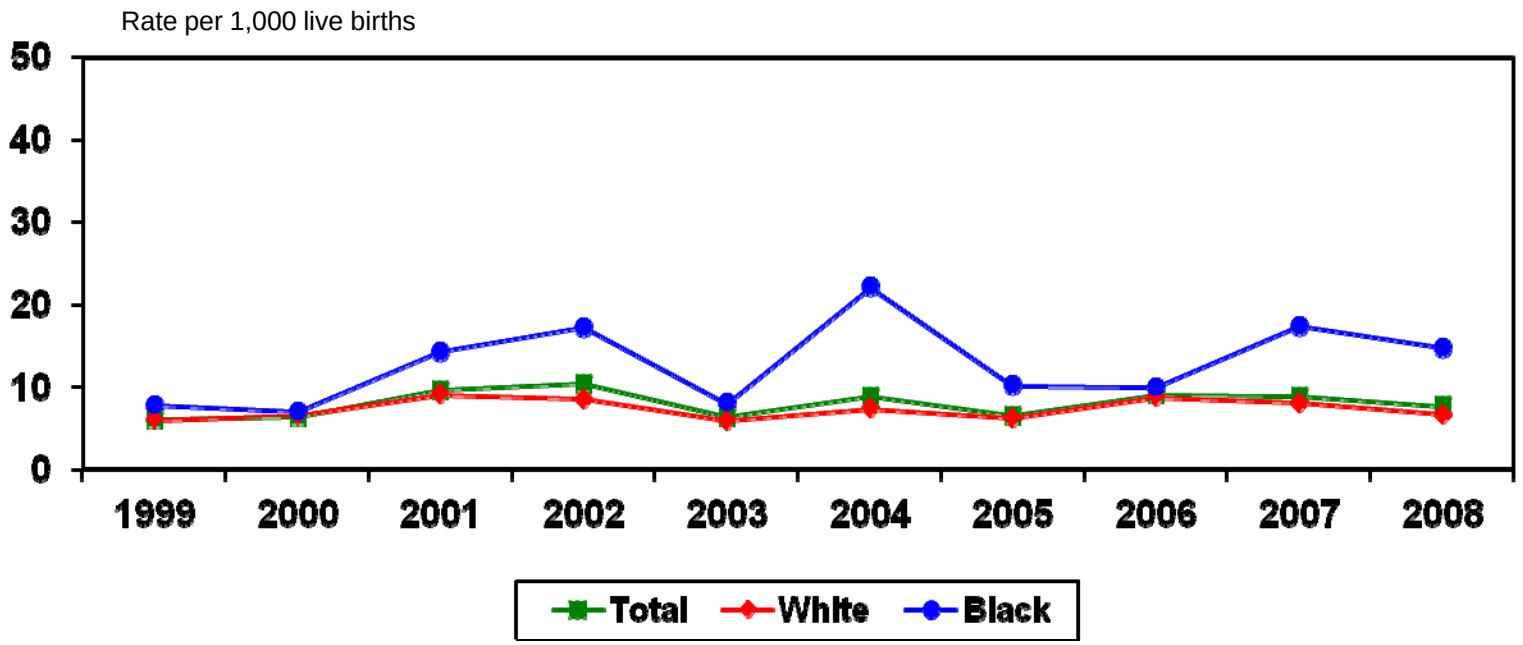
Infant Mortality Rates by Race
St. Joseph County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	10.8	7.3	7.0	6.1	8.1	7.8	10.2	10.5	9.6	7.3
White	8.8	**4.3***	**4.8***	**5.0***	**6.1***	**5.5***	7.4	6.5	6.7	**4.1***
Black	**22.7***	**23.8***	**18.1***	**7.9***	**15.7***	**18.3***	**22.3***	30.1	**22.3***	**18.6***

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Infant Mortality Rates by Race
Vanderburgh County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	**6.1***	**6.4***	9.6	10.4	**6.4***	8.9	**6.5***	9.1	8.9	**7.7***
White	**6.0***	**6.5***	**9.1***	**8.6***	**5.9***	**7.4***	**6.2***	**8.8***	**8.1***	**6.7***
Black	**7.8***	**7.0***	**14.3***	**17.2***	**8.0***	**22.1***	**10.2***	**9.9***	**17.4***	**14.8***

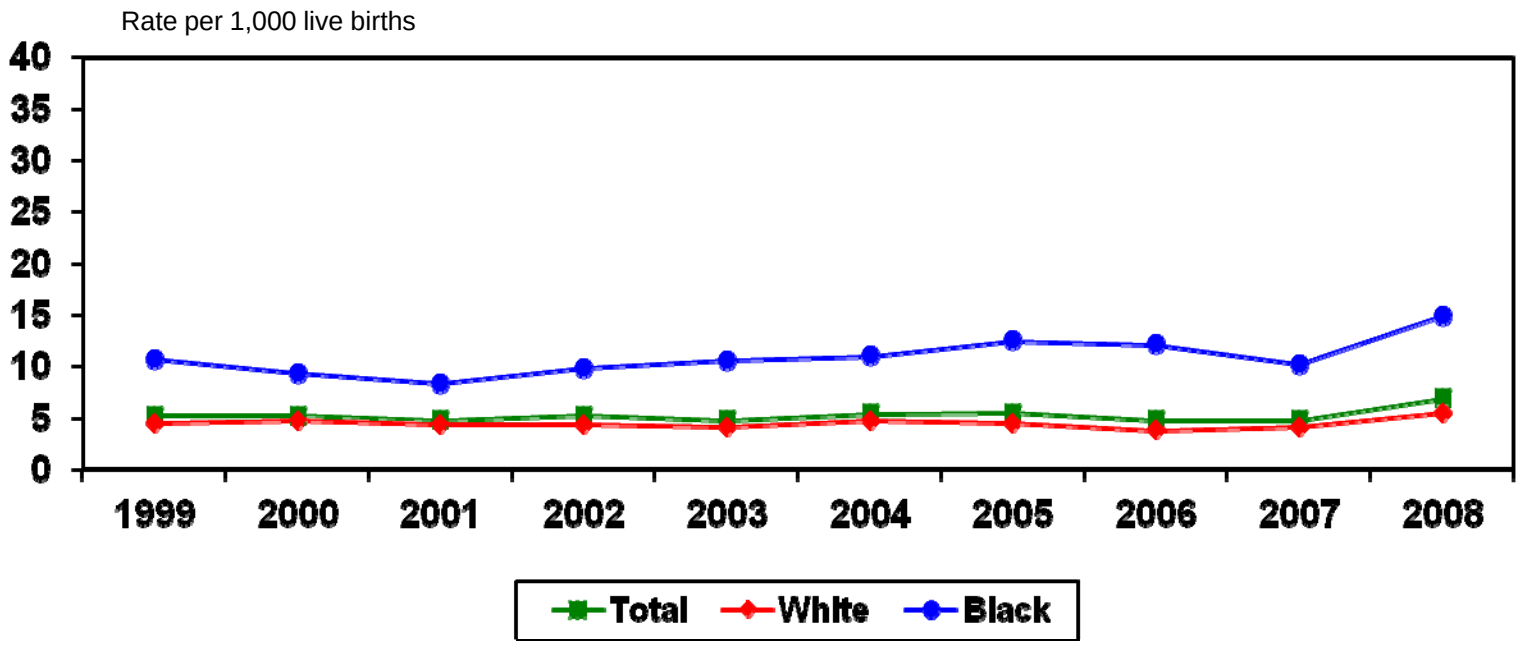
*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Infant Mortality by Race for Six Urban Counties and Ratio of Black to White Mortality Rates
Indiana Residents, 1999-2008

	1999		2000		2001		2002		2003		2004		2005		2006		2007		2008	
	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*
INDIANA	671	7.8	676	7.7	652	7.6	649	7.6	641	7.4	702	8.1	699	8.0	702	7.9	677	7.5	616	6.9
White	506	6.8	511	6.7	514	6.8	479	6.5	479	6.4	522	6.9	519	6.9	495	6.4	499	6.5	409	5.5
Black	157	17.0	150	15.9	130	13.6	144	15.6	148	15.9	164	17.1	166	16.9	188	18.1	162	15.7	156	14.9
Ratio		2.5		2.4		2.0		2.4		2.5		2.5		2.4		2.8		2.4		2.7
ALL RACES	334	9.4	313	8.6	286	8.0	296	8.3	307	8.5	334	9.1	343	9.4	369	9.7	323	8.6	310	8.4
Allen	37	7.3	32	6.1	34	6.3	34	6.6	44	8.4	41	7.7	43	8.1	52	9.5	42	7.7	54	9.8
Elkhart	21	6.7	31	9.4	22	7.0	18	6.0	28	8.8	22	6.8	26	7.5	36	10.1	16	4.5	29	8.5
Lake	62	8.8	61	8.7	70	10.1	72	10.6	55	7.9	69	9.9	74	10.8	70	10.1	67	9.9	57	8.6
Marion	158	11.1	145	9.9	111	7.7	125	8.6	135	9.2	151	10.2	145	9.9	146	9.4	140	9.1	124	8.1
St. Joseph	42	10.8	29	7.3	27	7.0	23	6.1	30	8.1	30	7.8	39	10.2	42	10.5	36	9.6	28	7.3
Vanderburgh	14	6.1	15	6.4	22	9.6	24	10.4	15	6.4	21	8.9	16	6.5	23	9.1	22	8.9	18	7.7
WHITE	197	7.3	176	6.4	171	6.3	166	6.2	177	6.5	188	6.8	193	7.0	197	7.0	180	6.5	140	5.3
Allen	28	6.6	18	4.2	27	6.1	18	4.2	27	6.2	30	6.8	27	6.2	25	5.6	25	5.7	26	6.3
Elkhart	16	5.5	29	9.5	17	5.9	16	5.8	20	6.8	17	5.7	22	6.8	29	8.9	12	3.7	21	6.8
Lake	29	6.2	26	5.5	35	7.6	37	8.1	31	6.7	31	6.6	30	6.6	34	7.5	37	8.3	22	5.4
Marion	84	8.4	76	7.4	59	5.9	63	6.2	69	6.7	78	7.5	79	7.8	69	6.5	69	6.5	46	4.5
St. Joseph	28	8.8	14	4.3	15	4.8	15	5.0	18	6.1	17	5.5	22	7.4	21	6.5	20	6.7	12	4.1
Vanderburgh	12	6.0	13	6.5	18	9.1	17	8.6	12	5.9	15	7.4	13	6.2	19	8.8	17	8.1	13	6.7
BLACK	133	16.6	128	15.7	110	13.3	118	14.8	121	15.0	140	17.0	142	17.0	165	18.6	135	15.6	140	15.8
Allen	8	11.1	11	14.8	6	7.4	11	15.6	16	21.8	9	11.7	14	18.1	27	31.1	16	18.1	24	26.0
Elkhart	5	23.7	1	4.7	3	16.1	2	9.9	7	35.4	5	22.9	4	18.7	6	23.9	3	12.0	7	26.7
Lake	33	14.4	35	15.5	35	15.7	34	15.7	24	10.9	37	16.9	43	19.3	36	15.9	30	13.9	30	13.5
Marion	71	18.2	64	15.9	50	12.3	61	15.3	62	15.4	71	17.3	62	15.0	72	16.1	66	15.0	61	13.8
St. Joseph	14	22.7	15	23.8	12	18.1	5	7.9	10	15.7	12	18.3	16	22.3	21	30.1	15	22.3	14	18.6
Vanderburgh	2	7.8	2	7.0	4	14.3	5	17.2	2	8.0	6	22.1	3	10.2	3	9.9	5	17.4	4	14.8
RATIO																				
Allen		1.7		3.6		1.2		3.7		3.5		1.7		2.9		5.6		3.2		4.1
Elkhart		4.3		0.5		2.7		1.7		5.2		4.0		2.8		2.7		3.2		3.9
Lake		2.3		2.8		2.1		1.9		1.6		2.6		2.9		2.1		1.7		2.5
Marion		2.2		2.1		2.1		2.5		2.3		2.3		1.9		2.5		2.3		3.1
St. Joseph		2.6		5.5		3.8		1.6		2.6		3.3		3.0		4.6		3.3		4.5
Vanderburgh		1.3		1.1		1.6		2.0		1.4		3.0		1.6		1.1		2.1		2.2

Rate per 1,000 live births.
Shaded area: Numerator is less than 20, and the rate is unstable. The ratio is unstable if the numerator or denominator is less than 20.
In this table, corrections were made to the rates for the six-county totals for 2000-2008.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

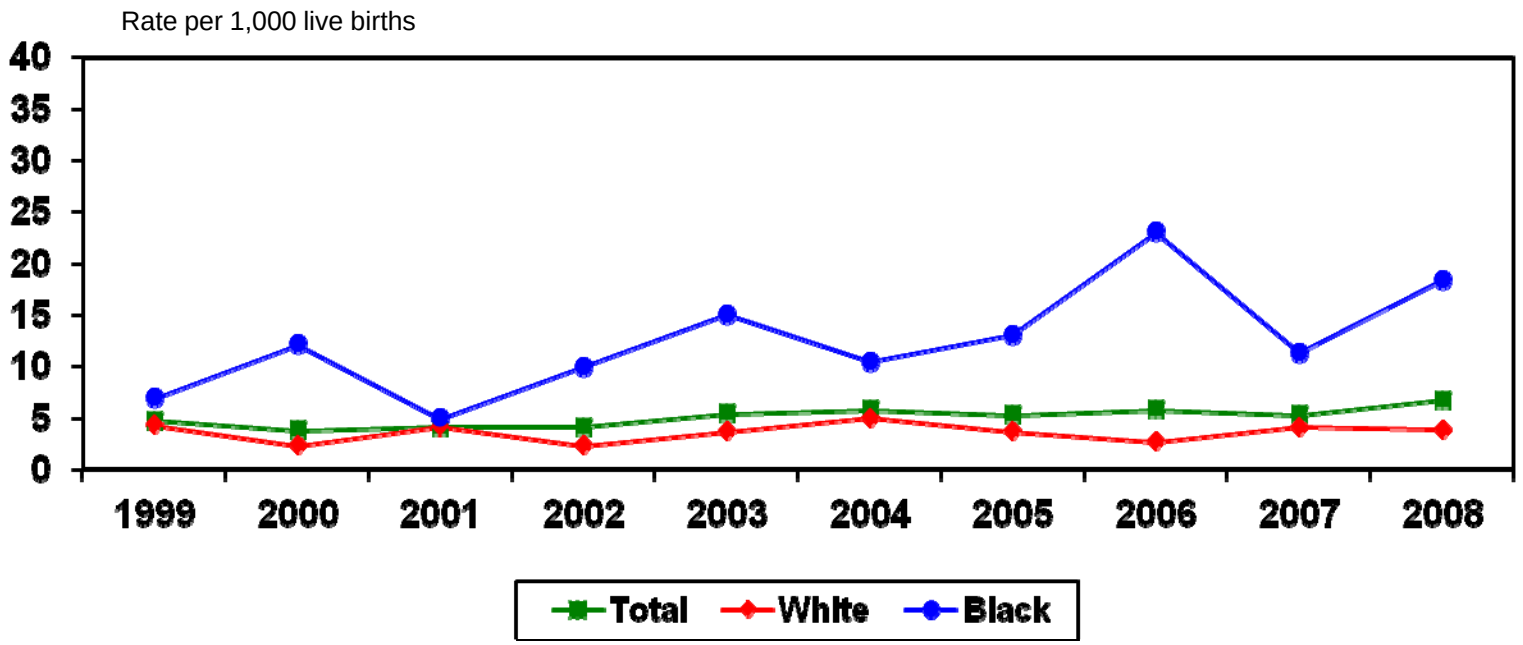
Neonatal Mortality Rates by Race
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	5.2	5.2	4.8	5.2	4.8	5.4	5.5	4.8	4.8	6.9
White	4.5	4.7	4.4	4.4	4.1	4.7	4.5	3.8	4.1	5.5
Black	10.7	9.3	8.3	9.8	10.6	11.0	12.5	12.1	10.2	14.9

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

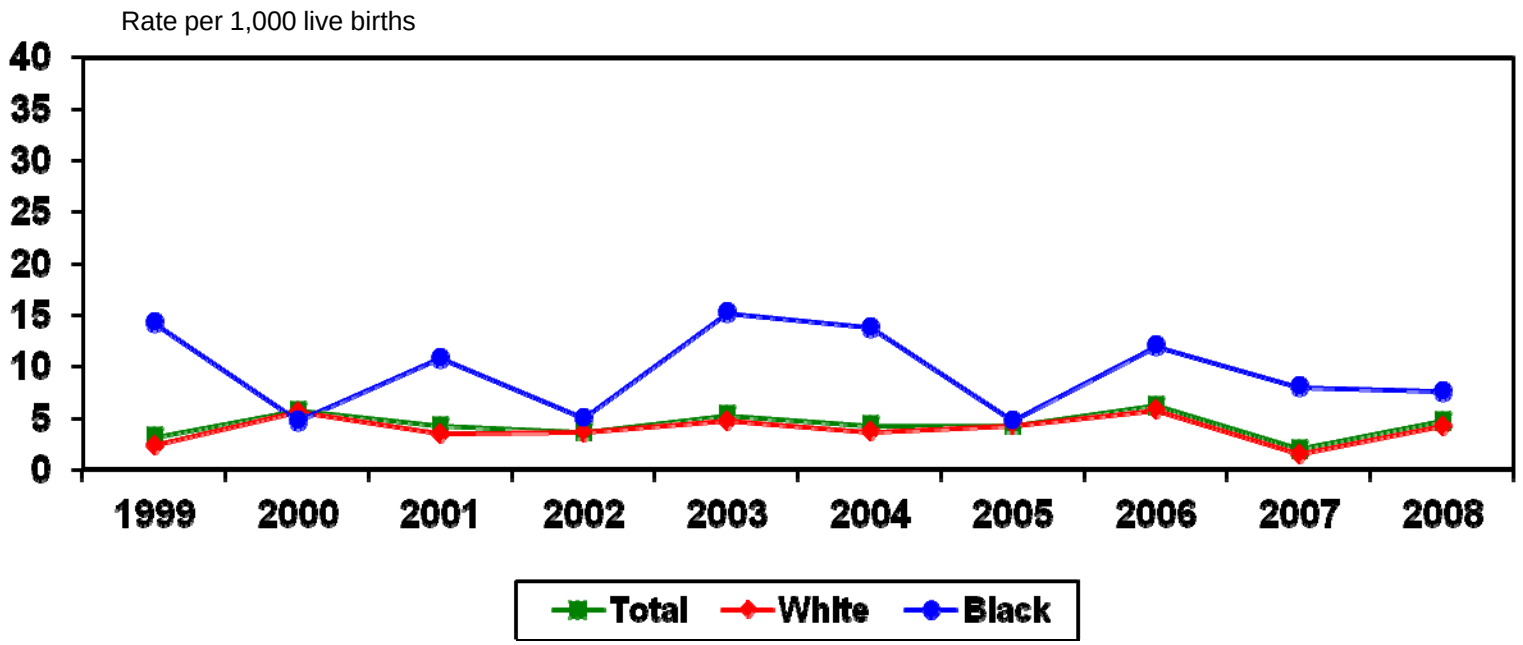
Neonatal Mortality Rates by Race
Allen County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	4.7	3.8	4.1	4.1	5.4	5.8	5.3	5.8	5.3	6.7
White	**4.3***	**2.3***	**4.1***	**2.3***	**3.7***	5.0	**3.7***	**2.7***	**4.1***	**3.9***
Black	**6.9***	**12.1***	**4.9***	**9.9***	**15.0***	**10.4***	**13.0***	23.0	**11.3***	**18.4***

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

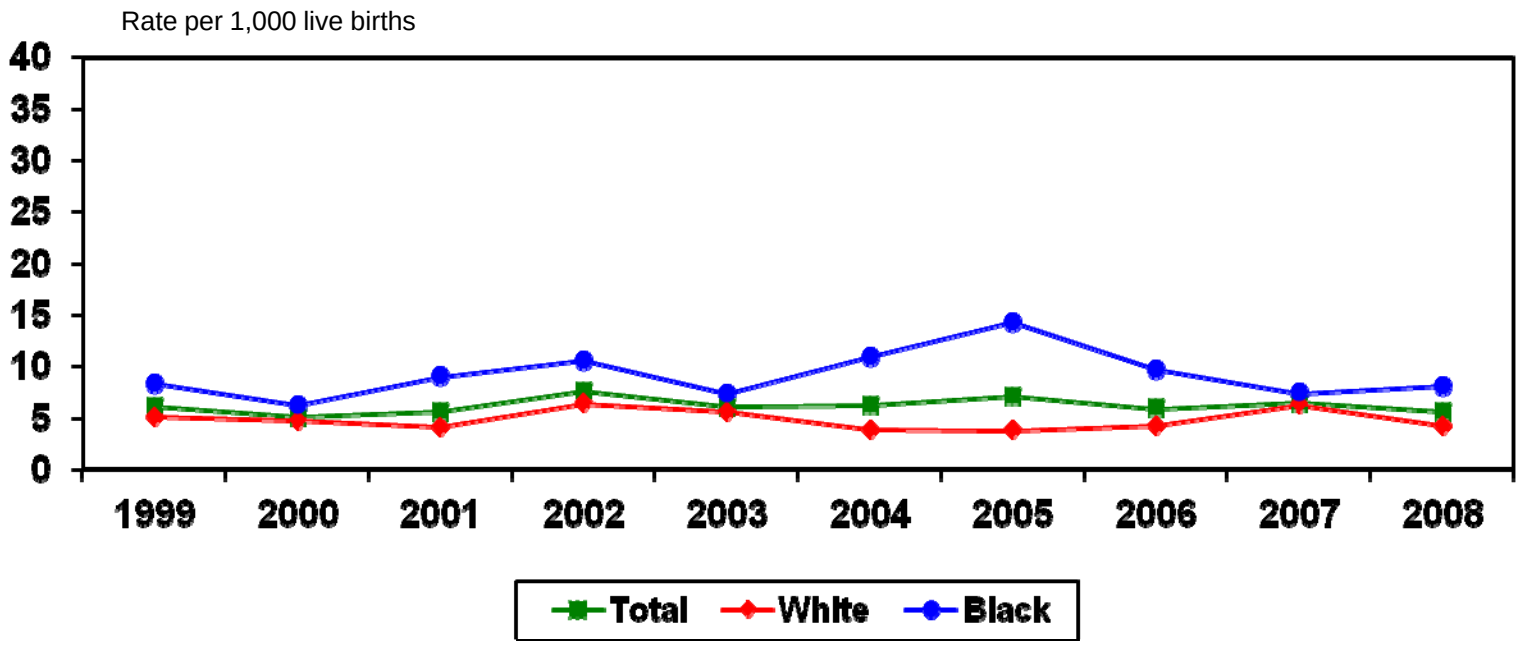
Neonatal Mortality Rates by Race
Elkhart County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	3.2*	5.7*	4.2*	3.7*	5.3*	4.3*	4.3*	6.2	2.0*	4.7*
White	2.4*	5.6*	3.5*	3.6*	4.7*	3.7*	4.3*	5.8*	1.5*	4.2*
Black	14.2*	4.7*	10.8*	5.0*	15.2*	13.8*	4.7*	12.0*	8.0*	7.6*

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

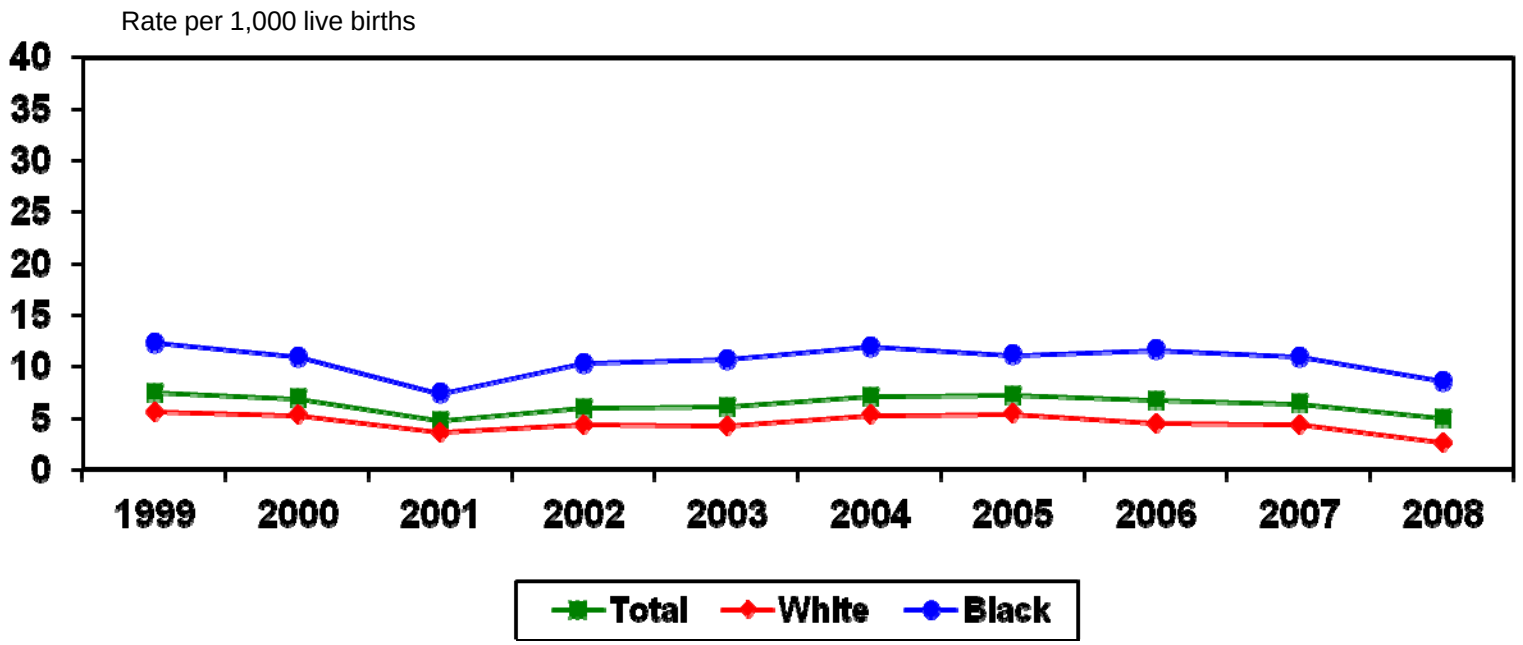
Neonatal Mortality Rates by Race
Lake County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	6.1	5.1	5.6	7.6	6.1	6.2	7.1	5.9	6.5	5.6
White	5.1	4.7	**4.1***	6.4	5.6	**3.9***	**3.8***	**4.2***	6.3	**4.2***
Black	**8.3***	**6.2***	9.0	10.6	**7.3***	10.9	14.3	9.7	**7.4***	**8.1***

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

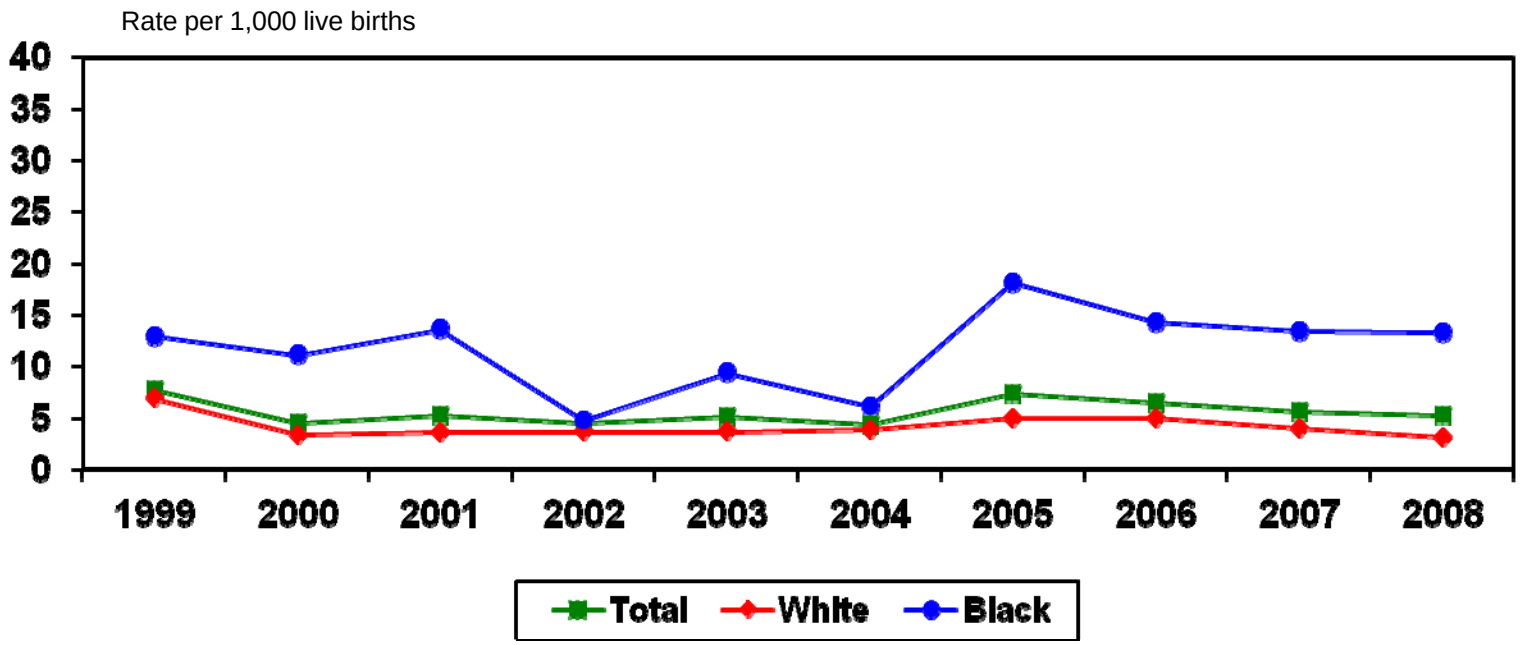
Neonatal Mortality Rates by Race
Marion County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.5	6.9	4.7	6.0	6.1	7.1	7.2	6.7	6.4	5.0
White	5.6	5.3	3.6	4.4	4.2	5.3	5.4	4.5	4.4	2.6
Black	12.3	10.9	7.4	10.3	10.7	11.9	11.1	11.6	10.9	8.6

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

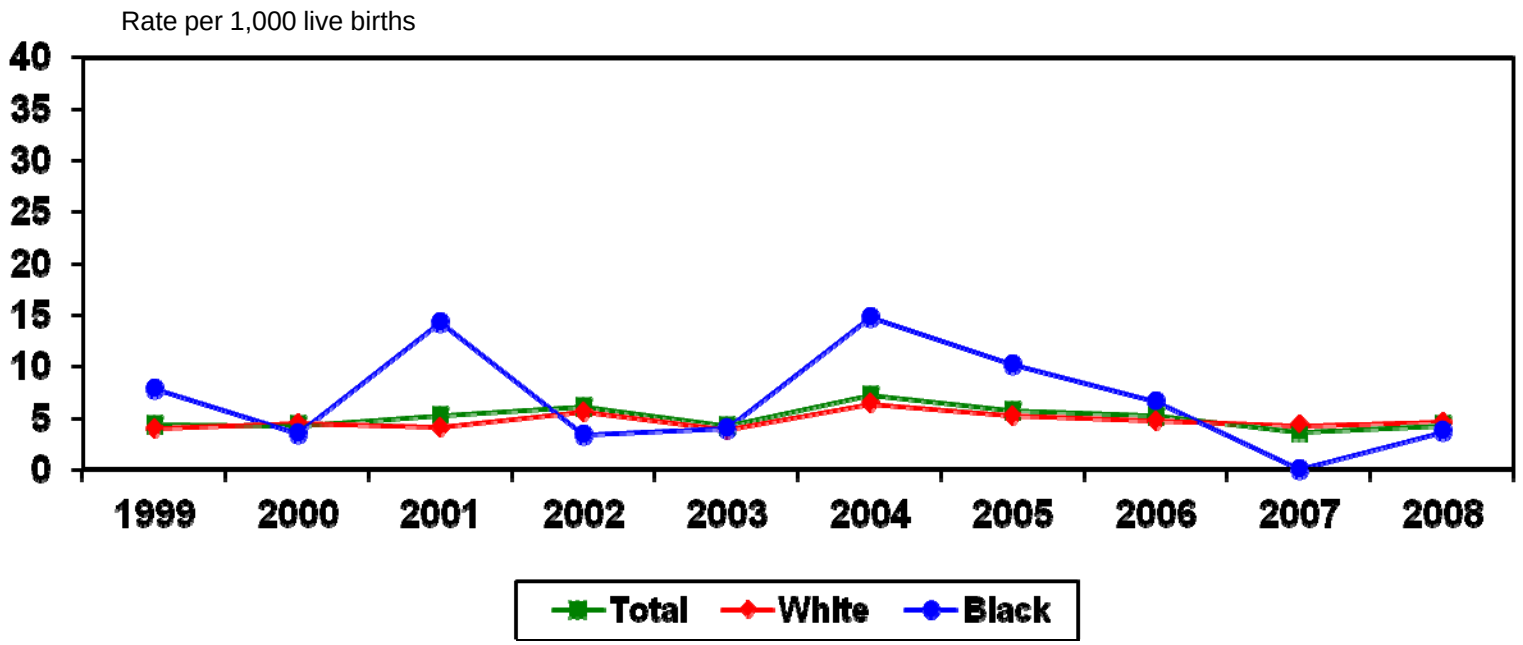
Neonatal Mortality Rates by Race
St. Joseph County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.7	**4.5***	5.2	**4.5***	**5.1***	**4.4***	7.3	6.5	5.6	5.2
White	6.9	**3.4***	**3.6***	**3.7***	**3.7***	**3.9***	**5.0***	**5.0***	**4.0***	**3.1***
Black	**12.9***	**11.1***	**13.6***	**4.7***	**9.4***	**6.1***	**18.1***	**14.3***	**13.4***	**13.3***

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Neonatal Mortality Rates by Race
Vanderburgh County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	4.4*	4.3*	5.2*	6.1*	4.2*	7.2*	5.7*	5.2*	3.6*	4.3*
White	4.0*	4.5*	4.1*	5.6*	3.9*	6.4*	5.2*	4.7*	4.3*	4.6*
Black	7.8*	3.5*	14.3*	3.4*	4.0*	14.8*	10.2*	6.6*	0.0*	3.7*

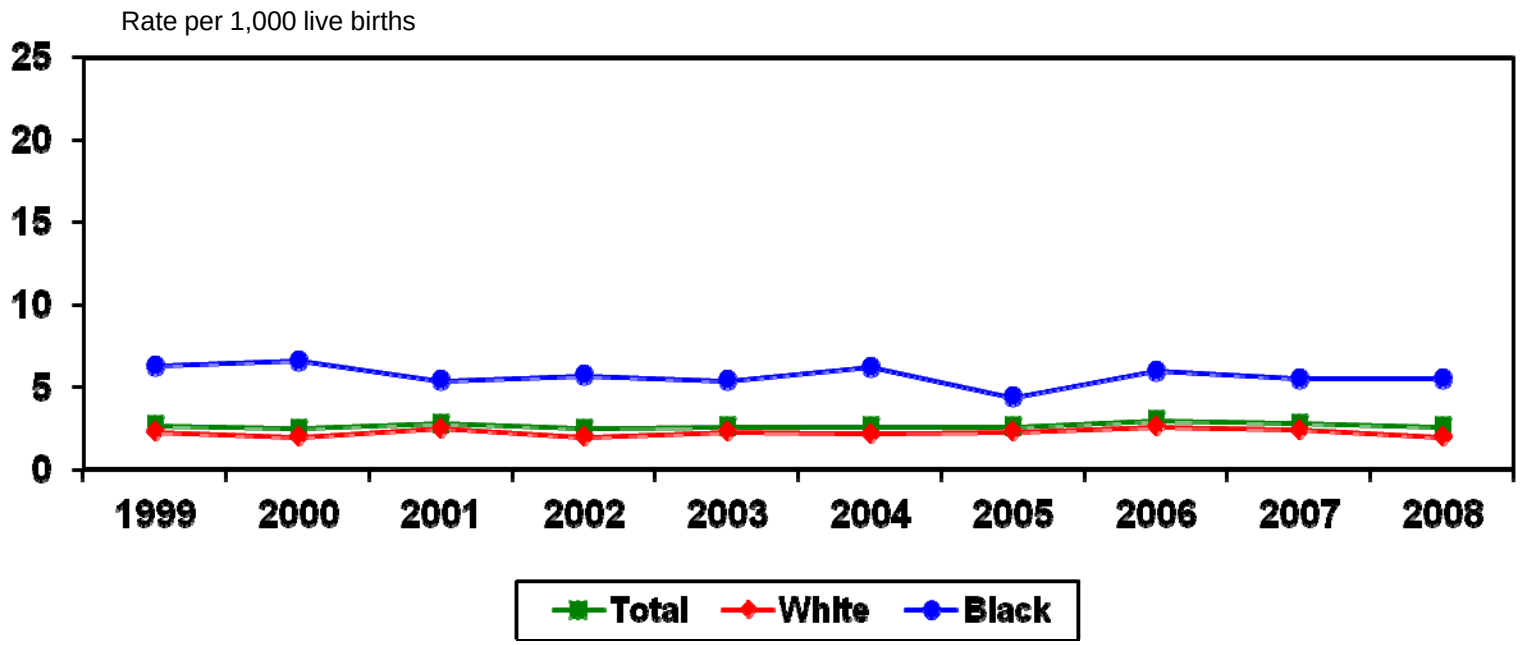
*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Neonatal Mortality by Race for Six Urban Counties and Ratio of Black to White Mortality Rates
Indiana Residents, 1999-2008

	1999		2000		2001		2002		2003		2004		2005		2006		2007		2008	
	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*
INDIANA	441	5.2	454	5.2	414	4.8	441	5.2	417	4.8	472	5.4	475	5.5	433	4.8	428	4.8	387	4.4
White	335	4.5	358	4.7	330	4.4	329	4.4	309	4.1	354	4.7	343	4.5	296	3.8	313	4.1	258	3.5
Black	99	10.7	88	9.3	79	8.3	91	9.8	98	10.6	105	11.0	123	12.5	126	12.1	105	10.2	98	9.3
Ratio		2.4		2.0		1.9		2.2		2.6		2.3		2.8		3.2		2.5		2.7
ALL RACES	224	6.3	204	5.6	174	4.8	202	5.7	205	5.7	228	6.2	239	6.5	238	6.3	208	5.6	196	5.3
Allen	24	4.7	20	3.8	22	4.1	21	4.1	28	5.4	31	5.8	28	5.3	32	5.8	29	5.3	37	6.7
Elkhart	10	3.2	19	5.7	13	4.2	11	3.7	17	5.3	14	4.3	15	4.3	22	6.2	7	2.0	16	4.7
Lake	43	6.1	36	5.1	39	5.6	52	7.6	42	6.1	43	6.2	49	7.1	41	5.9	44	6.5	37	5.6
Marion	107	7.5	101	6.9	68	4.7	87	6.0	89	6.1	106	7.1	105	7.2	104	6.7	98	6.4	76	5.0
St. Joseph	30	7.7	18	4.5	20	5.2	17	4.5	19	5.1	17	4.4	28	7.3	26	6.5	21	5.6	20	5.2
Vanderburgh	10	4.4	10	4.3	12	5.2	14	6.1	10	4.2	17	7.2	14	5.7	13	5.2	9	3.6	10	4.3
WHITE	135	5.0	123	4.5	102	3.8	116	4.3	118	4.3	131	4.8	128	4.7	124	4.4	118	4.3	90	3.4
Allen	18	4.3	10	2.3	18	4.1	10	2.3	16	3.7	22	5.0	16	3.7	12	2.7	18	4.1	16	3.9
Elkhart	7	2.4	17	5.6	10	3.5	10	3.6	14	4.7	11	3.7	14	4.3	19	5.8	5	1.5	13	4.2
Lake	24	5.1	22	4.7	19	4.1	29	6.4	26	5.6	18	3.9	17	3.8	19	4.2	28	6.3	17	4.2
Marion	56	5.6	54	5.3	36	3.6	45	4.4	43	4.2	55	5.3	55	5.4	48	4.5	46	4.4	26	2.6
St. Joseph	22	6.9	11	3.4	11	3.6	11	3.7	11	3.7	12	3.9	15	5.0	16	5.0	12	4.0	9	3.1
Vanderburgh	8	4.0	9	4.5	8	4.1	11	5.6	8	3.9	13	6.4	11	5.2	10	4.7	9	4.3	9	4.6
BLACK	85	10.6	76	9.3	69	8.4	76	9.5	80	9.9	92	11.2	105	12.6	109	12.3	85	9.8	86	9.7
Allen	5	6.9	9	12.1	4	4.9	7	9.9	11	15.0	8	10.4	10	13.0	20	23.0	10	11.3	17	18.4
Elkhart	3	14.2	1	4.7	2	10.8	1	5.0	3	15.2	3	13.8	1	4.7	3	12.0	2	8.0	2	7.6
Lake	19	8.3	14	6.2	20	9.0	23	10.6	16	7.3	24	10.9	32	14.3	22	9.7	16	7.4	18	8.1
Marion	48	12.3	44	10.9	30	7.4	41	10.3	43	10.7	49	11.9	46	11.1	52	11.6	48	10.9	38	8.6
St. Joseph	8	12.9	7	11.1	9	13.6	3	4.7	6	9.4	4	6.1	13	18.1	10	14.3	9	13.4	10	13.3
Vanderburgh	2	7.8	1	3.5	4	14.3	1	3.4	1	4.0	4	14.8	3	10.2	2	6.6	0	0.0	1	3.7
RATIO																				
Allen		1.6		5.2		1.2		4.3		4.1		2.1		3.5		8.5		2.8		4.7
Elkhart		5.9		0.8		3.1		1.4		3.2		3.7		1.1		2.1		5.3		1.8
Lake		1.6		1.3		2.2		1.7		1.3		2.8		3.8		2.3		1.2		1.9
Marion		2.2		2.1		2.1		2.3		2.5		2.2		2.1		2.6		2.5		3.3
St. Joseph		1.9		3.3		3.8		1.3		2.5		1.6		3.6		2.9		3.4		4.3
Vanderburgh		2.0		0.8		3.5		0.6		1.0		2.3		2.0		1.4		0.0		0.8

Rate per 1,000 live births.
Shaded area: Numerator is less than 20, and the rate is unstable. The ratio is unstable if the numerator or denominator is less than 20.
In this table, corrections were made to the rates for the six-county totals for 2000-2008.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

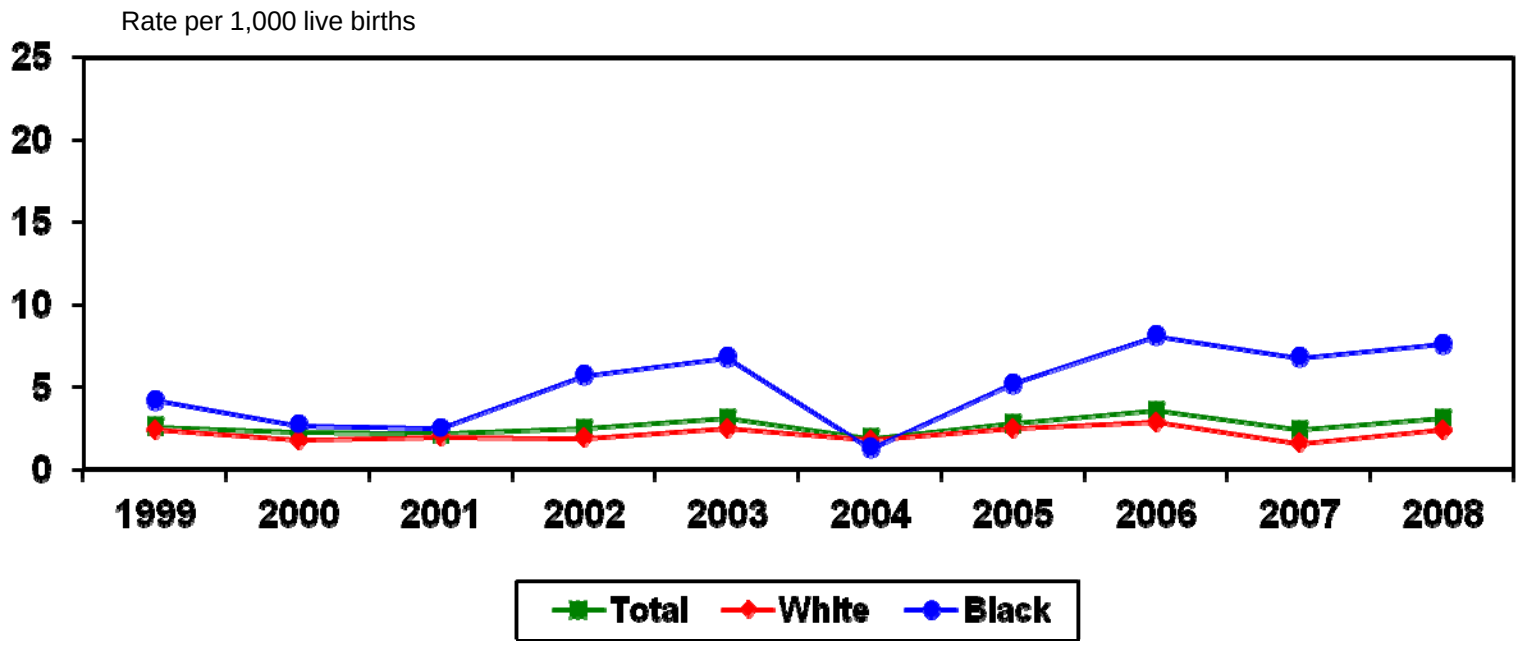
Postneonatal Mortality Rates by Race
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	2.7	2.5	2.8	2.5	2.6	2.6	2.6	3.0	2.8	2.6
White	2.3	2.0	2.5	2.0	2.3	2.2	2.3	2.6	2.4	2.0
Black	6.3	6.6	5.4	5.7	5.4	6.2	4.4	6.0	5.5	5.5

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

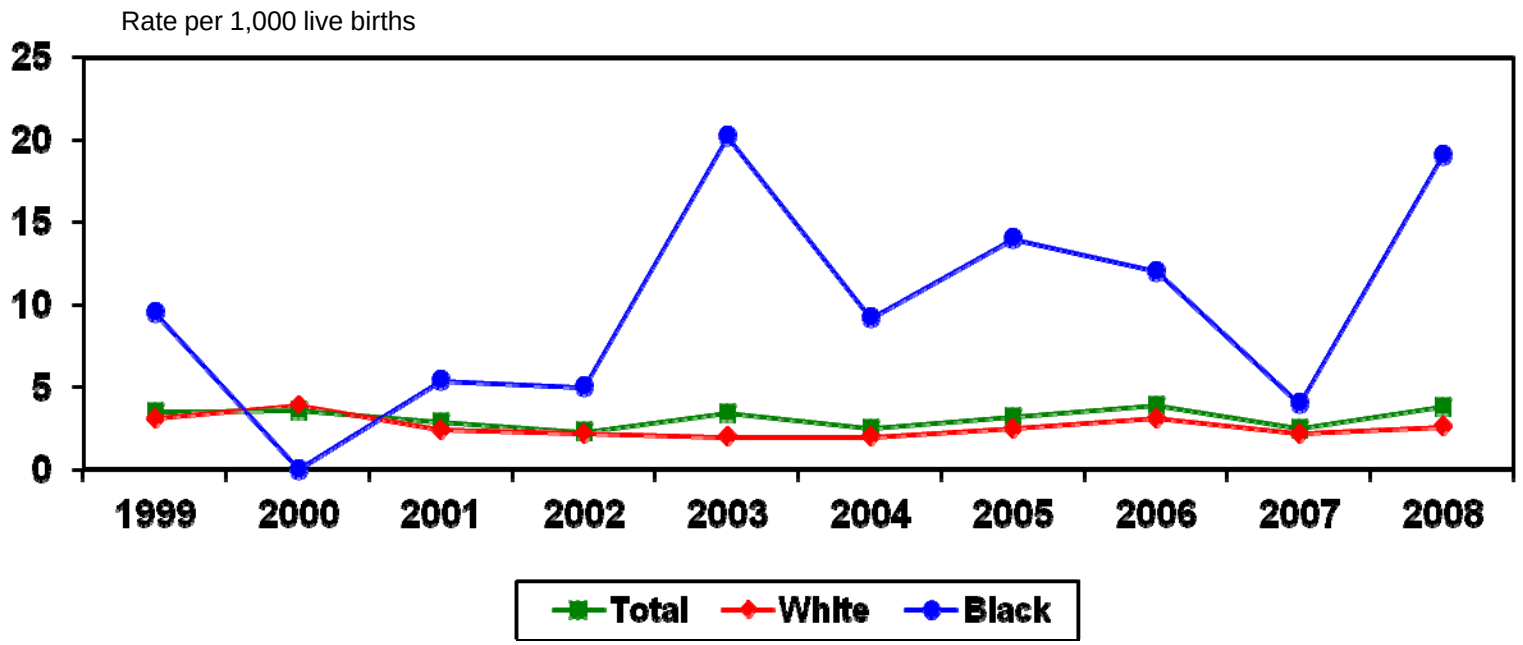
Postneonatal Mortality Rates by Race
Allen County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	2.6*	2.3*	2.2*	2.5*	3.1*	1.9*	2.8*	3.6	2.4*	3.1*
White	2.4*	1.8*	2.0*	1.8*	2.5*	1.8*	2.5*	2.9*	1.6*	2.4*
Black	4.2*	2.7*	2.5*	5.7*	6.8*	1.3*	5.2*	8.1*	6.8*	7.6*

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

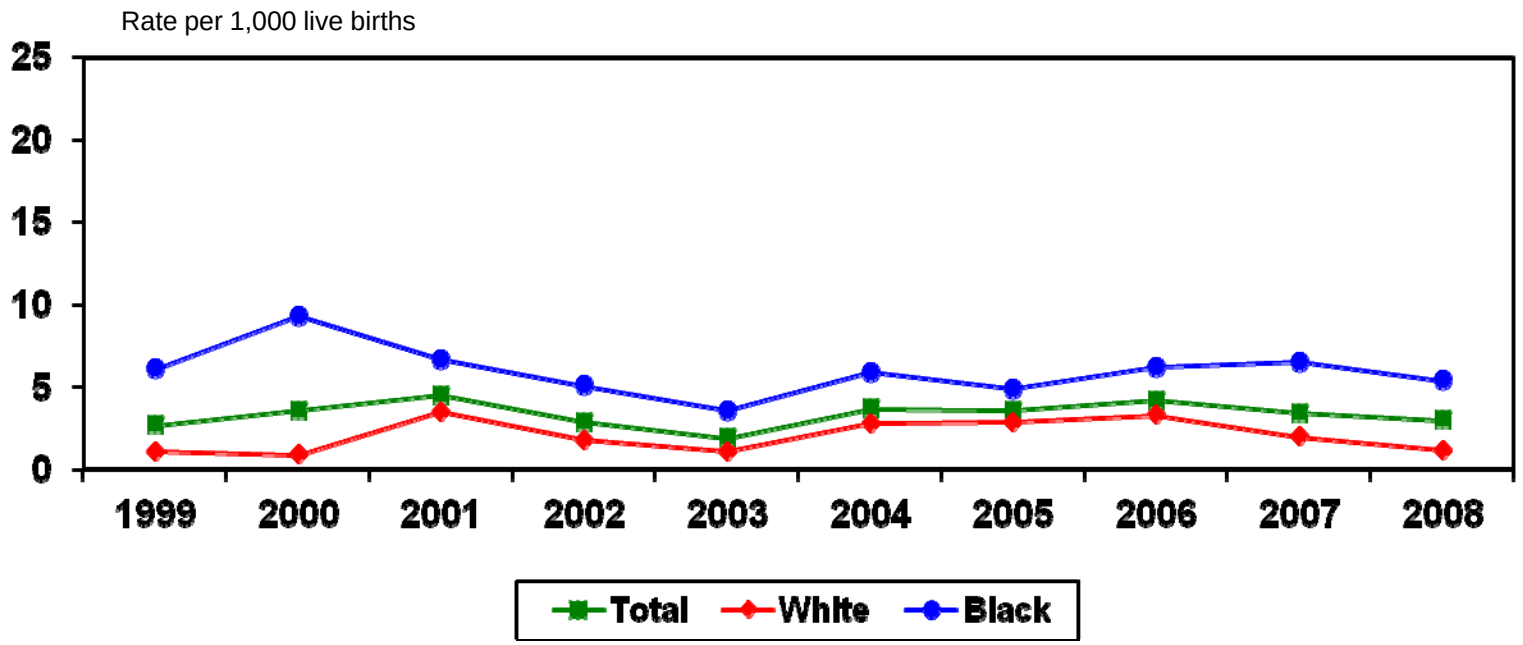
Postneonatal Mortality Rates by Race
Elkhart County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	3.5*	3.6*	2.9*	2.3*	3.4*	2.5*	3.2*	3.9*	2.5*	3.8*
White	3.1*	3.9*	2.4*	2.2*	2.0*	2.0*	2.5*	3.1*	2.2*	2.6*
Black	9.5*	0.0*	5.4*	5.0*	20.2*	9.2*	14.0*	12.0*	4.0*	19.1*

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

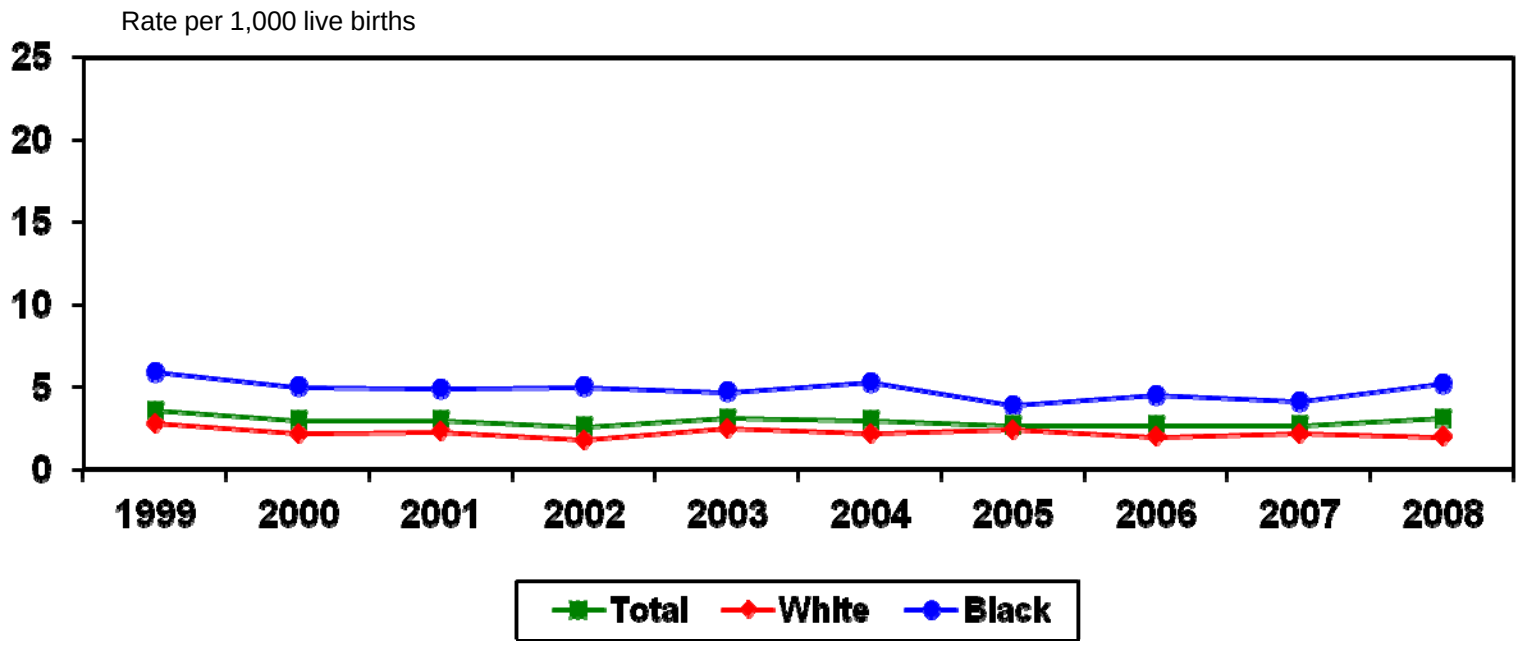
Postneonatal Mortality Rates by Race
Lake County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	**2.7***	3.6	4.5	2.9	**1.9***	3.7	3.6	4.2	3.4	3.0
White	**1.1***	**0.9***	**3.5***	**1.8***	**1.1***	**2.8***	**2.9***	**3.3***	**2.0***	**1.2***
Black	**6.1***	9.3	**6.7***	**5.1***	**3.6***	**5.9***	**4.9***	**6.2***	**6.5***	**5.4***

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

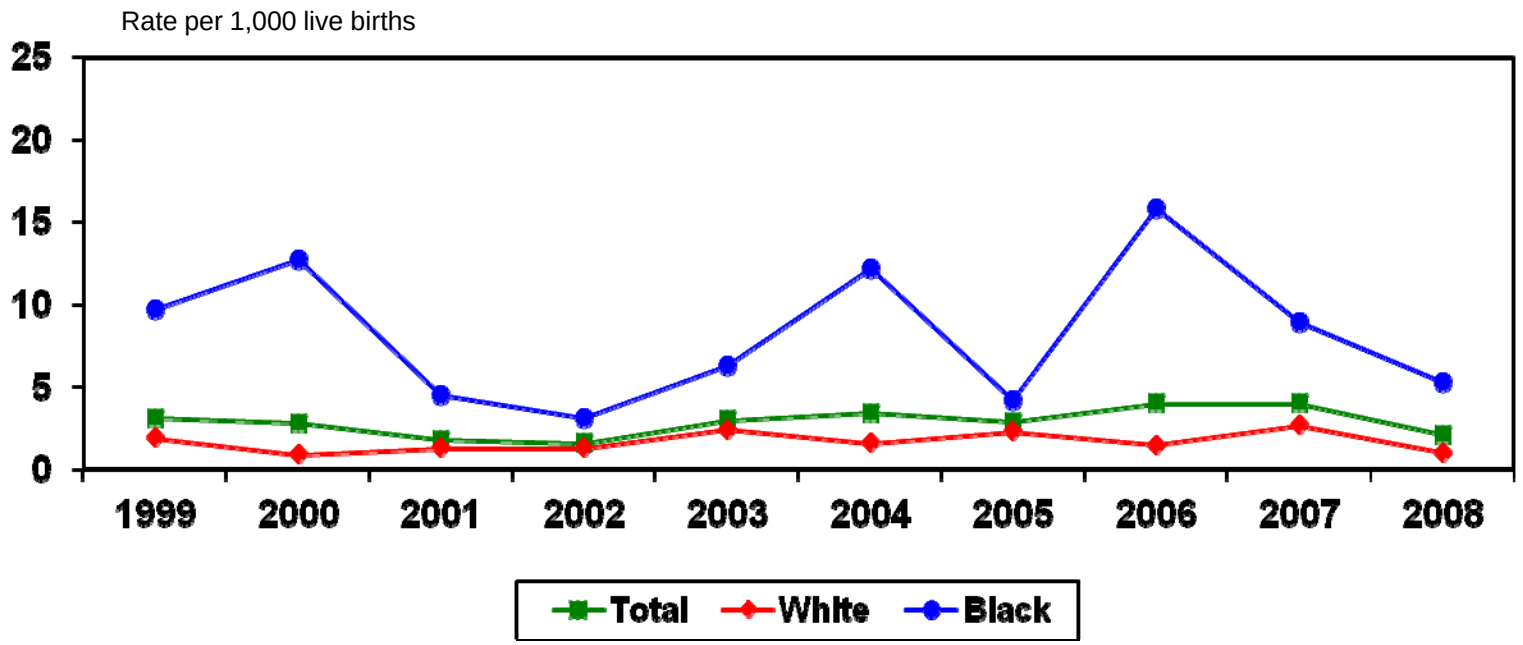
Postneonatal Mortality Rates by Race
Marion County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	3.6	3.0	3.0	2.6	3.1	3.0	2.7	2.7	2.7	3.1
White	2.8	2.2	2.3	**1.8***	2.5	2.2	2.4	2.0	2.2	2.0
Black	5.9	5.0	4.9	5.0	**4.7***	5.3	**3.9***	4.5	**4.1***	5.2

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

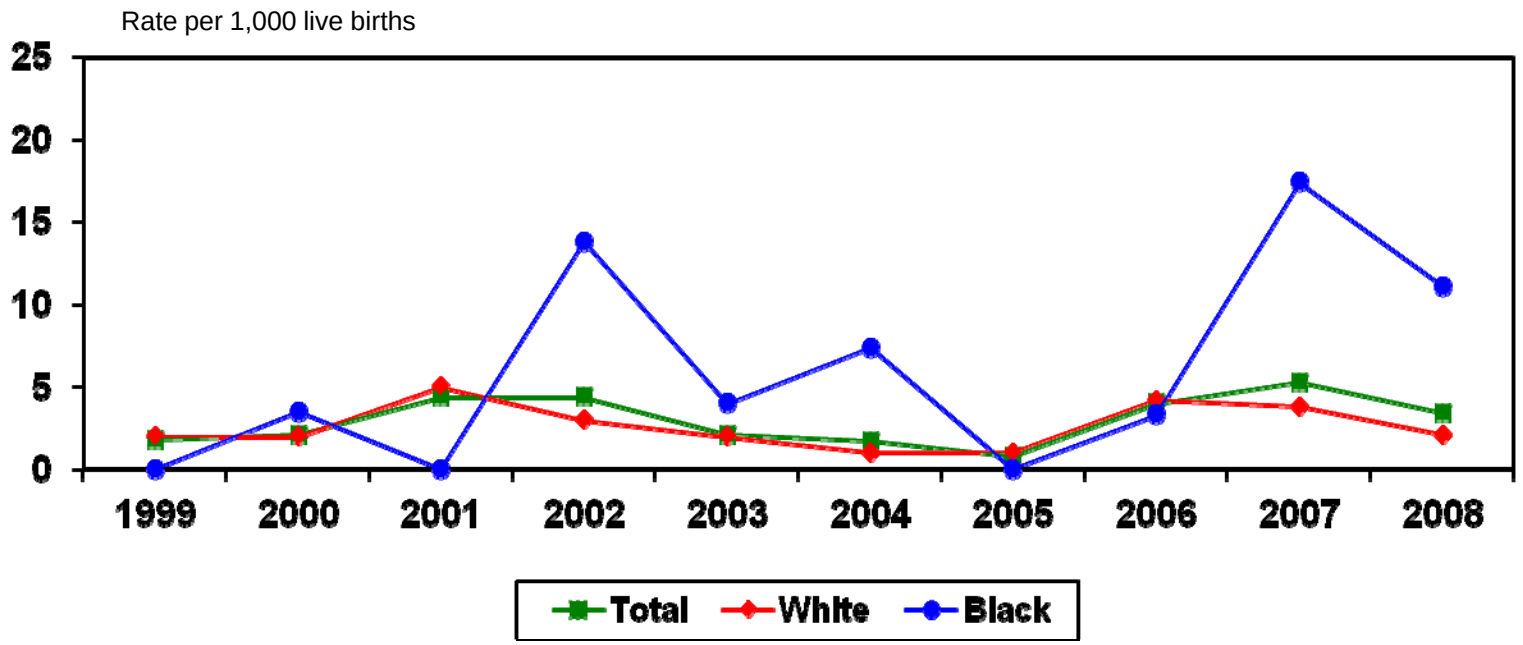
Postneonatal Mortality Rates by Race
St. Joseph County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	3.1*	2.8*	1.8*	1.6*	3.0*	3.4*	2.9*	4.0*	4.0*	2.1*
White	1.9*	0.9*	1.3*	1.3*	2.4*	1.6*	2.3*	1.5*	2.7*	1.0*
Black	9.7*	12.7*	4.5*	3.1*	6.3*	12.2*	4.2*	15.8*	8.9*	5.3*

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Postneonatal Mortality Rates by Race
Vanderburgh County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	1.8*	2.1*	4.4*	4.4*	2.1*	1.7*	0.8*	4.0*	5.3*	3.4*
White	2.0*	2.0*	5.1*	3.0*	2.0*	1.0*	1.0*	4.2*	3.8*	2.1*
Black	0.0*	3.5*	0.0*	13.7*	4.0*	7.4*	0.0*	3.3*	17.4*	11.1*

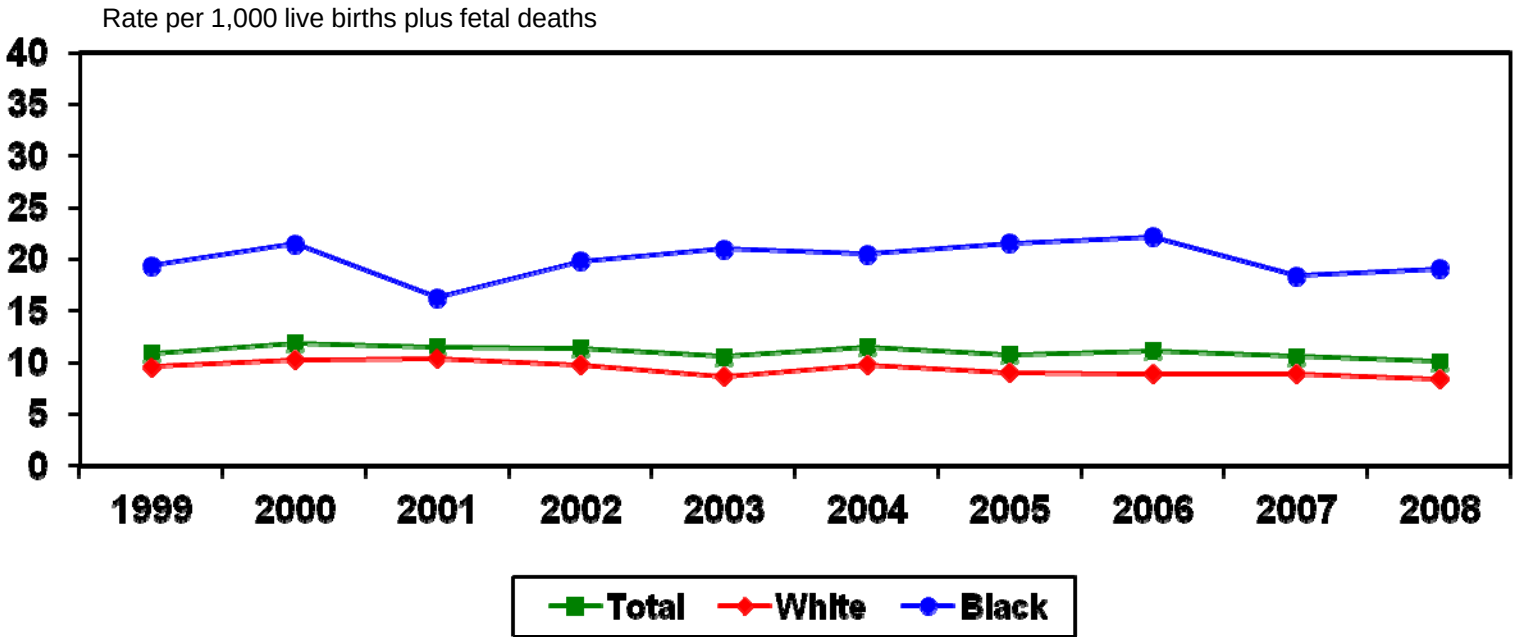
*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Postneonatal Mortality by Race for Six Urban Counties and Ratio of Black to White Mortality Rates
Indiana Residents, 1999-2008

	1999		2000		2001		2002		2003		2004		2005		2006		2007		2008	
	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*	Number	*Rate*
INDIANA	230	2.7	222	2.5	238	2.8	208	2.5	224	2.6	230	2.6	224	2.6	269	3.0	249	2.8	229	2.6
White	171	2.3	153	2.0	184	2.5	150	2.0	170	2.3	168	2.2	176	2.3	199	2.6	186	2.4	151	2.0
Black	58	6.3	62	6.6	51	5.4	53	5.7	50	5.4	59	6.2	43	4.4	62	6.0	57	5.5	58	5.5
Ratio		2.7		3.3		2.2		2.9		2.3		2.8		1.9		2.3		2.3		2.8
ALL RACES	110	3.1	109	3.0	112	3.1	94	2.6	102	2.8	106	2.9	104	2.8	131	3.4	115	3.1	114	3.1
Allen	13	2.6	12	2.3	12	2.2	13	2.5	16	3.1	10	1.9	15	2.8	20	3.6	13	2.4	17	3.1
Elkhart	11	3.5	12	3.6	9	2.9	7	2.3	11	3.4	8	2.5	11	3.2	14	3.9	9	2.5	13	3.8
Lake	19	2.7	25	3.6	31	4.5	20	2.9	13	1.9	26	3.7	25	3.6	29	4.2	23	3.4	20	3.0
Marion	51	3.6	44	3.0	43	3.0	38	2.6	46	3.1	45	3.0	40	2.7	42	2.7	42	2.7	48	3.1
St. Joseph	12	3.1	11	2.8	7	1.8	6	1.6	11	3.0	13	3.4	11	2.9	16	4.0	15	4.0	8	2.1
Vanderburgh	4	1.8	5	2.1	10	4.4	10	4.4	5	2.1	4	1.7	2	0.8	10	4.0	13	5.3	8	3.4
WHITE	62	2.3	53	1.9	69	2.6	50	1.9	59	2.2	57	2.1	65	2.4	73	2.6	62	2.2	50	1.9
Allen	10	2.4	8	1.8	9	2.0	8	1.8	11	2.5	8	1.8	11	2.5	13	2.9	7	1.6	10	2.4
Elkhart	9	3.1	12	3.9	7	2.4	6	2.2	6	2.0	6	2.0	8	2.5	10	3.1	7	2.2	8	2.6
Lake	5	1.1	4	0.9	16	3.5	8	1.8	5	1.1	13	2.8	13	2.9	15	3.3	9	2.0	5	1.2
Marion	28	2.8	22	2.2	23	2.3	18	1.8	26	2.5	23	2.2	24	2.4	21	2.0	23	2.2	20	2.0
St. Joseph	6	1.9	3	0.9	4	1.3	4	1.3	7	2.4	5	1.6	7	2.3	5	1.5	8	2.7	3	1.0
Vanderburgh	4	2.0	4	2.0	10	5.1	6	3.0	4	2.0	2	1.0	2	1.0	9	4.2	8	3.8	4	2.1
BLACK	48	6.0	52	6.4	41	5.0	42	5.3	41	5.1	48	5.8	37	4.4	56	6.3	50	5.8	54	6.1
Allen	3	4.2	2	2.7	2	2.5	4	5.7	5	6.8	1	1.3	4	5.2	7	8.1	6	6.8	7	7.6
Elkhart	2	9.5	0	0.0	1	5.4	1	5.0	4	20.2	2	9.2	3	14.0	3	12.0	1	4.0	5	19.1
Lake	14	6.1	21	9.3	15	6.7	11	5.1	8	3.6	13	5.9	11	4.9	14	6.2	14	6.5	12	5.4
Marion	23	5.9	20	5.0	20	4.9	20	5.0	19	4.7	22	5.3	16	3.9	20	4.5	18	4.1	23	5.2
St. Joseph	6	9.7	8	12.7	3	4.5	2	3.1	4	6.3	8	12.2	3	4.2	11	15.8	6	8.9	4	5.3
Vanderburgh	0	0.0	1	3.5	0	0.0	4	13.7	1	4.0	2	7.4	0	0.0	1	3.3	5	17.4	3	11.1
RATIO																				
Allen		1.8		1.5		1.3		3.2		2.7		0.7		2.1		2.8		4.3		3.2
Elkhart		3.1		0.0		2.3		2.3		10.1		4.6		5.6		3.9		1.8		7.3
Lake		5.5		10.9		1.9		2.8		3.3		2.1		1.7		1.9		3.3		4.5
Marion		2.1		2.3		2.1		2.8		1.9		2.4		1.6		2.3		1.9		2.6
St. Joseph		5.1		13.7		3.5		2.4		2.6		7.6		1.8		10.5		3.3		5.3
Vanderburgh		0.0		1.8		0.0		4.6		2.0		7.4		0.0		0.8		4.6		5.3

Rate per 1,000 live births.
Shaded area: Numerator is less than 20, and the rate is unstable. The ratio is unstable if the numerator or denominator is less than 20.
In this table, corrections were made to the rates for the six-county totals for 2000-2008.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

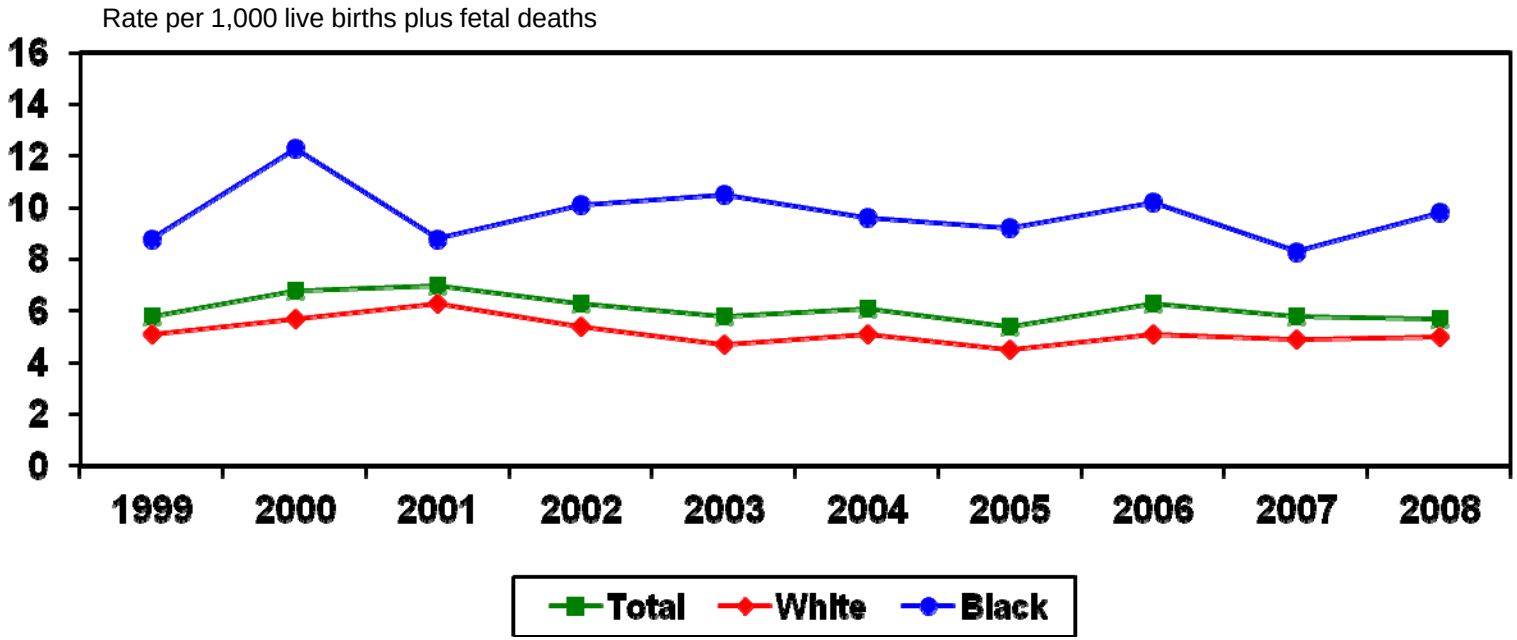
Perinatal Mortality Rates by Race
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	10.9	11.9	11.5	11.4	10.6	11.5	10.8	11.1	10.6	10.1
White	9.6	10.3	10.4	9.8	8.7	9.8	9.0	8.9	8.9	8.4
Black	19.4	21.5	16.3	19.8	21.0	20.5	21.6	22.2	18.4	19.1

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

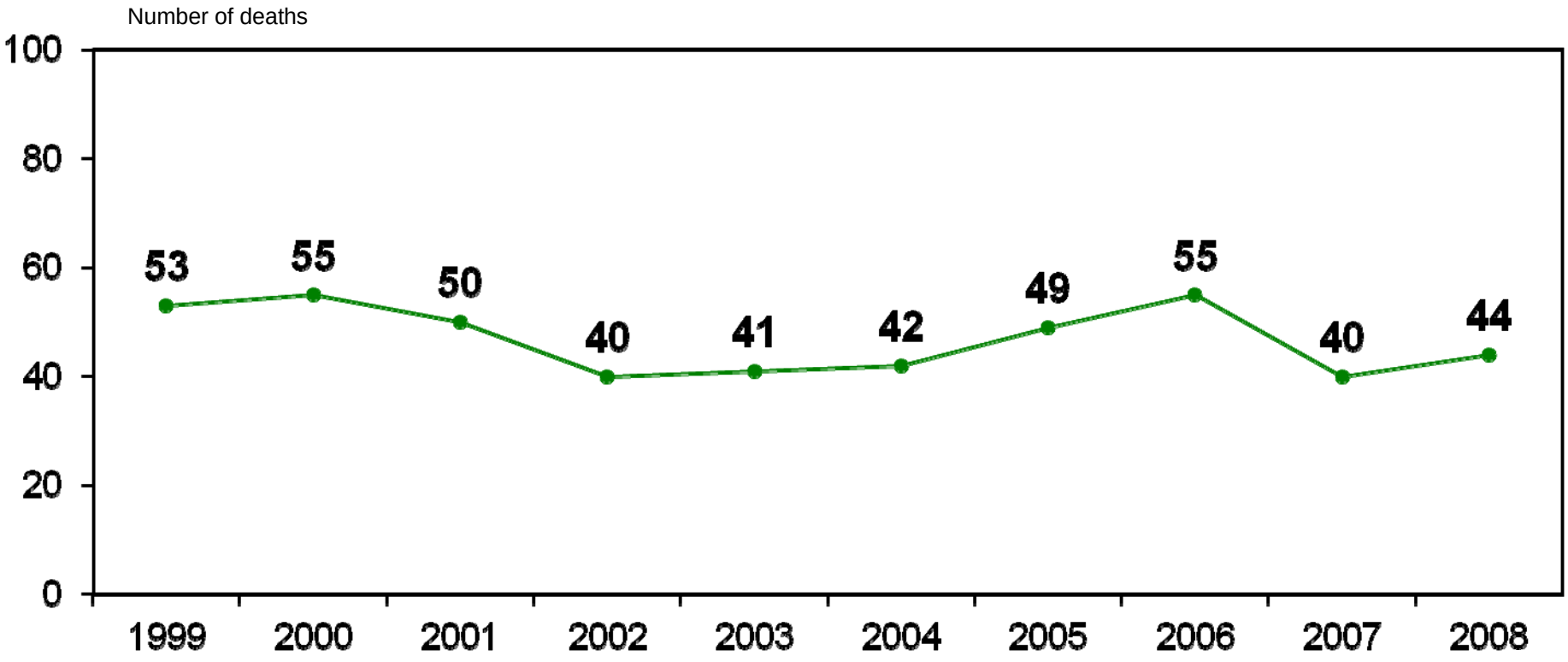
Fetal Mortality Rates by Race
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	5.8	6.8	7.0	6.3	5.8	6.1	5.4	6.3	5.8	5.7
White	5.1	5.7	6.3	5.4	4.7	5.1	4.5	5.1	4.9	5.0
Black	8.8	12.3	8.8	10.1	10.5	9.6	9.2	10.2	8.3	9.8

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

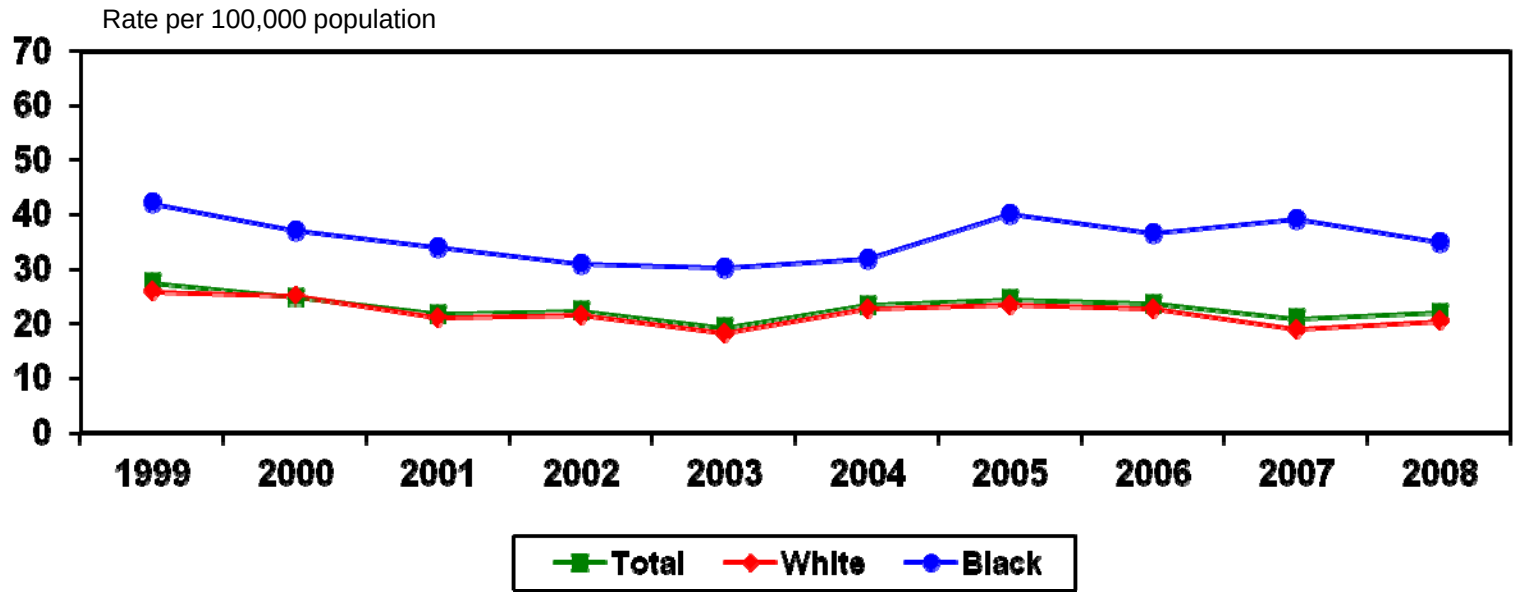
Number of SIDS* Deaths
Indiana Residents, 1999-2008
All Races



*Sudden Infant Death Syndrome
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Mortality Rates for Youths Aged 1-14 Years, by Race

Indiana Residents, 1999-2008

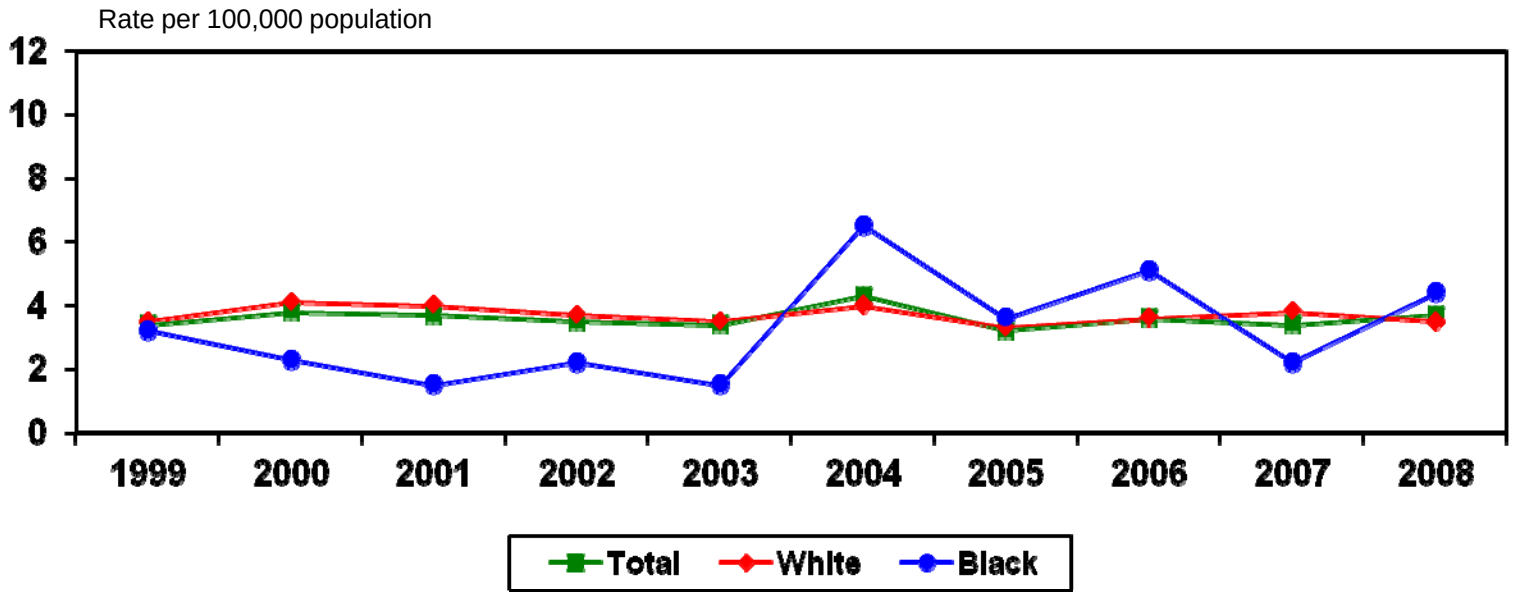


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	27.5	24.9	21.8	22.4	19.3	23.5	24.5	23.7	21.0	22.0
White	25.9	25.0	21.1	21.6	18.3	22.7	23.5	22.7	19.0	20.5
Black	42.1	37.0	34.0	30.9	30.3	31.9	40.1	36.6	39.1	34.9

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Motor Vehicle Injury Mortality Rates Among Youths Aged 1-14 Years, by Race

Indiana Residents, 1999-2008



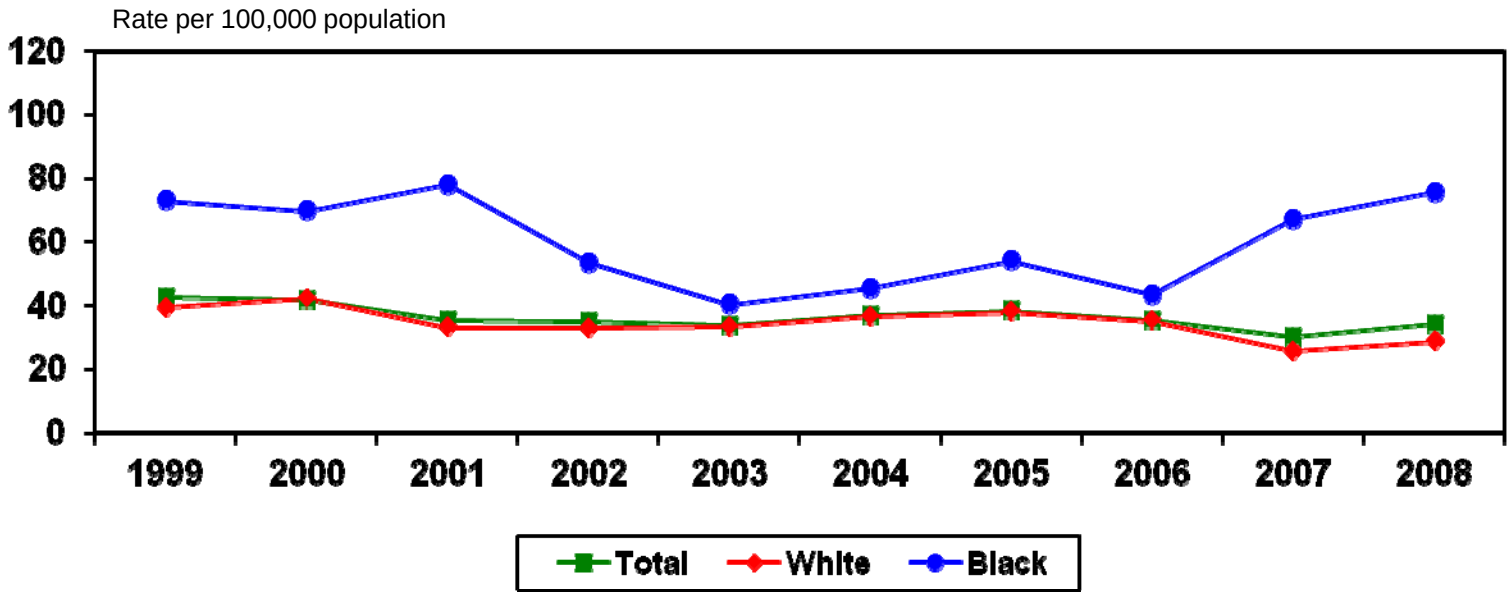
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	3.4	3.8	3.7	3.5	3.4	4.3	3.2	3.6	3.4	3.7
White	3.5	4.1	4.0	3.7	3.5	4.0	3.3	3.6	3.8	3.5
Black	**3.2***	**2.3***	**1.5***	**2.2***	**1.5***	**6.5***	**3.6***	**5.1***	**2.2***	**4.4***

*Numerator is less than 20, and the rate is unstable.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Mortality Rates for Youths Aged 1-4 Years, by Race

Indiana Residents, 1999-2008



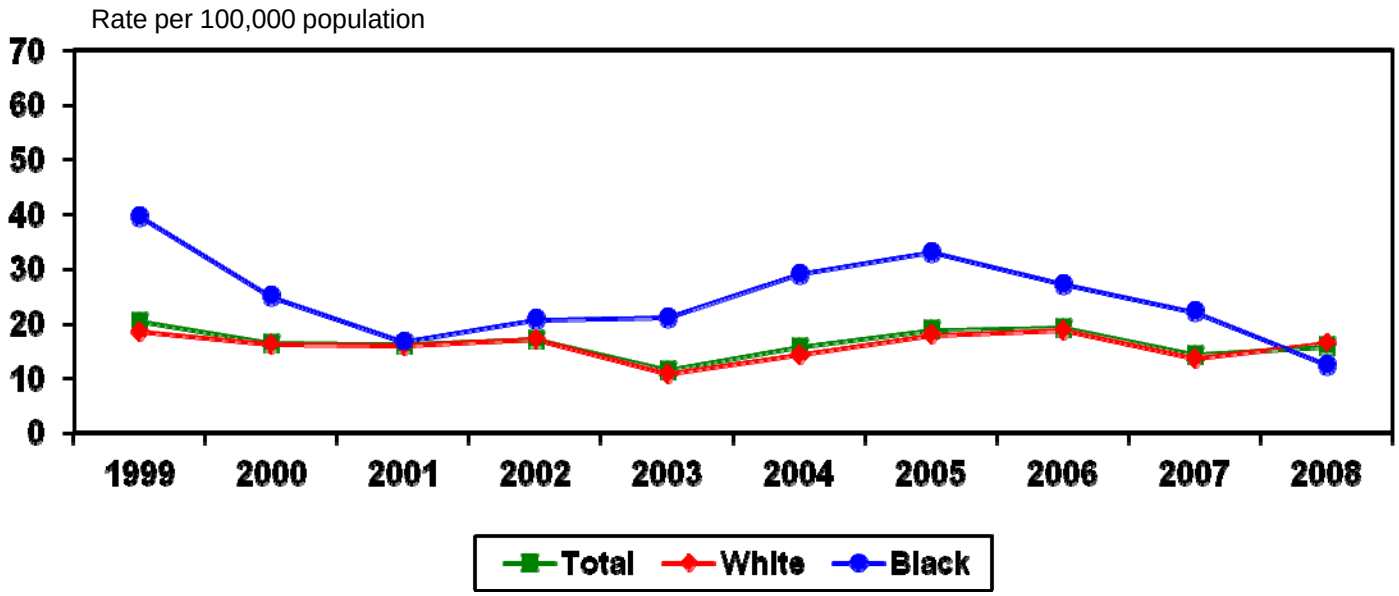
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	42.6	41.9	35.4	34.9	33.8	36.9	38.4	35.4	30.0	34.2
White	39.3	42.1	33.1	32.8	33.3	36.6	38.0	35.1	25.7	28.7
Black	73.0	69.7	78.0	53.4	**40.4***	**45.4***	54.1	**43.3***	67.2	75.6

*Numerator is less than 20, and the rate is unstable.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Mortality Rates for Youths Aged 5-9 Years, by Race

Indiana Residents, 1999-2008



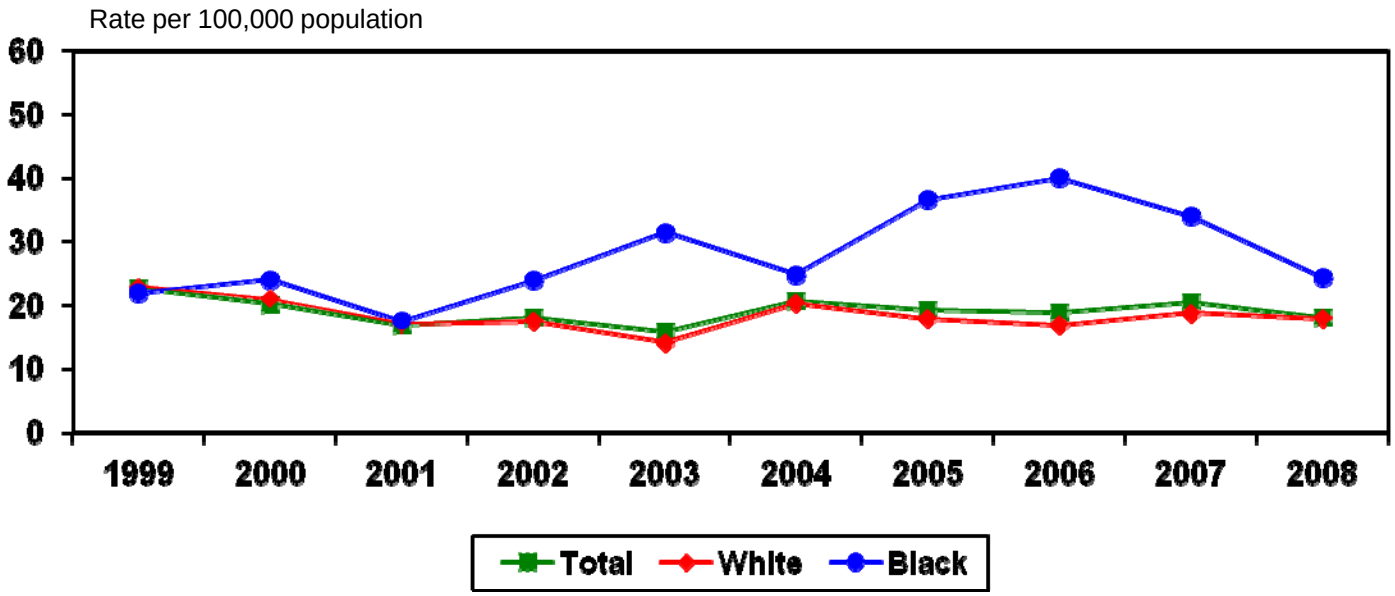
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	20.5	16.5	16.2	17.1	11.6	15.8	18.9	19.2	14.3	15.9
White	18.5	16.2	16.0	17.1	10.9	14.3	18.0	18.8	13.7	16.4
Black	**39.7***	**25.0***	**16.7***	**20.8***	**21.1***	**29.1***	**33.0***	**27.3***	**22.2***	**12.4***

*Numerator is less than 20, and the rate is unstable.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Mortality Rates for Youths Aged 10-14 Years, by Race

Indiana Residents, 1999-2008



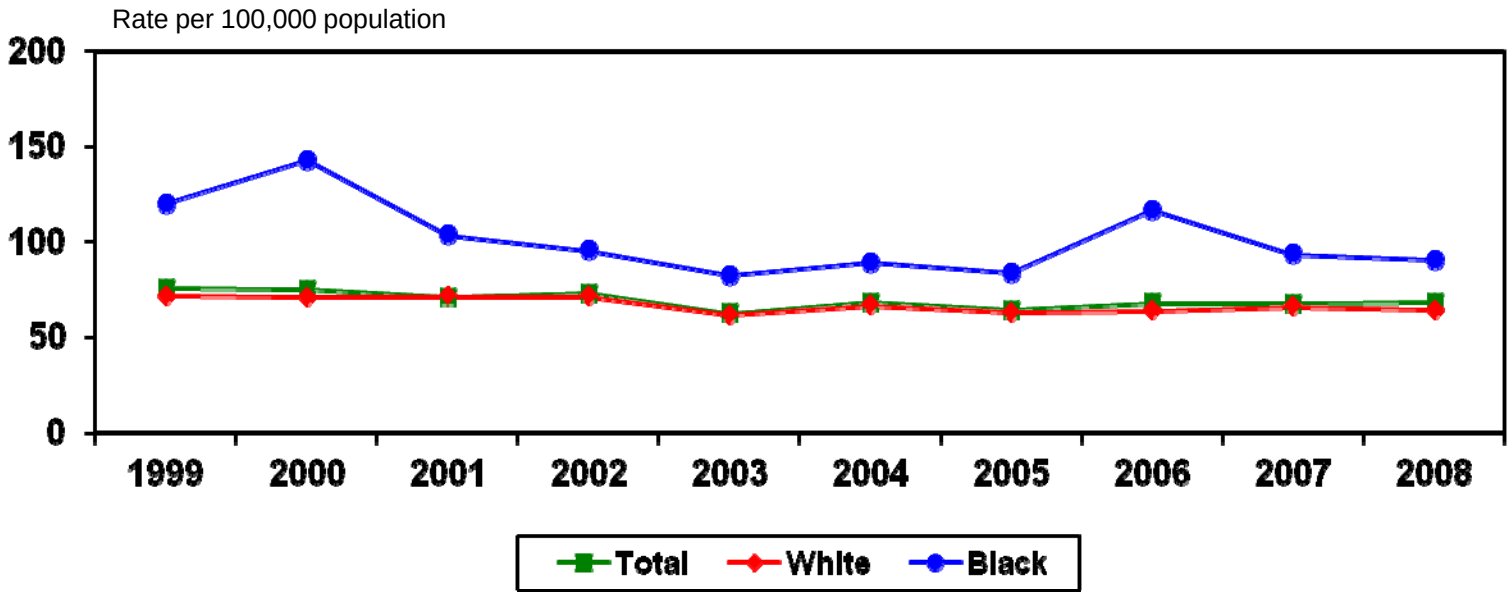
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	22.8	20.3	16.9	18.2	15.9	20.8	19.4	19.0	20.6	18.2
White	22.9	21.0	17.2	17.6	14.2	20.4	17.9	17.0	18.9	17.9
Black	**22.0***	**24.1***	**17.5***	**24.0***	**31.5***	**24.9***	**36.6***	40.1	**34.1***	**24.4***

*Numerator is less than 20, and the rate is unstable.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Mortality Rates for Youths Aged 15-19 Years, by Race

Indiana Residents, 1999-2008

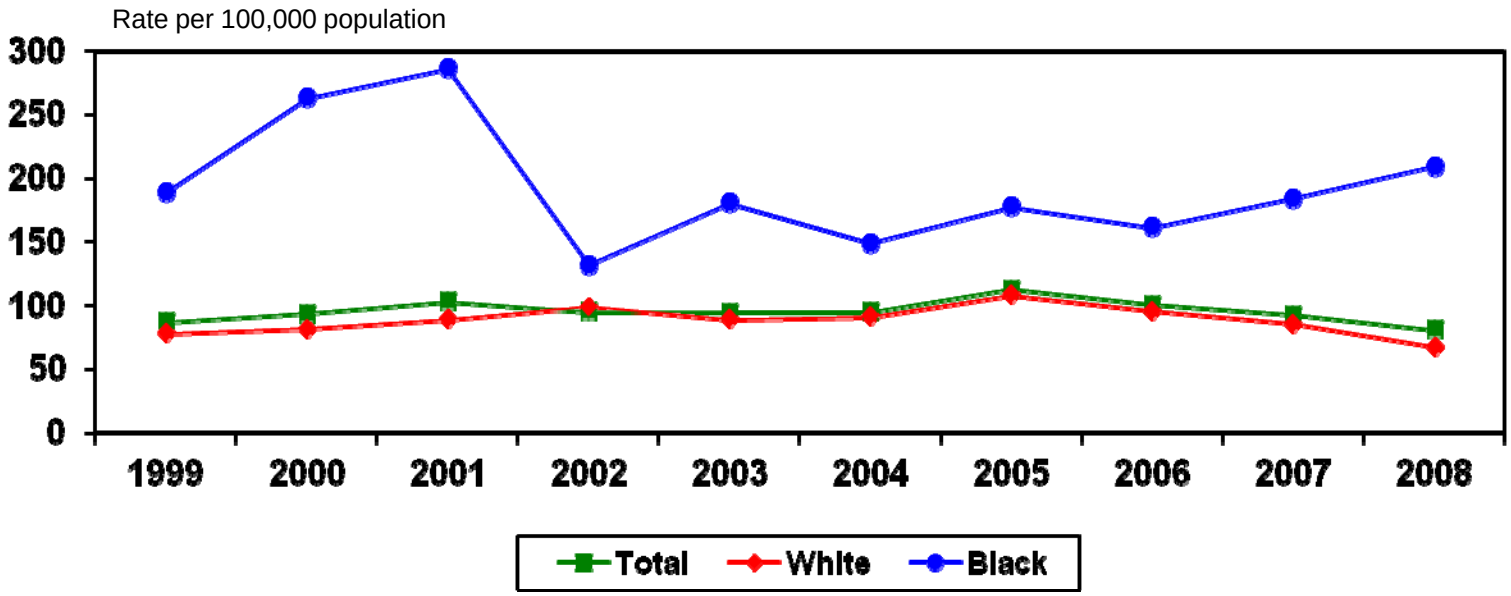


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	75.7	75.0	71.0	73.1	62.6	68.5	64.4	67.9	67.6	68.2
White	71.8	71.0	71.2	71.2	61.6	66.6	63.0	63.9	66.0	64.3
Black	120.0	142.5	103.4	95.5	82.5	89.1	83.6	116.5	93.5	90.2

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Mortality Rates for Young Adults Aged 20-21 Years, by Race

Indiana Residents, 1999-2008

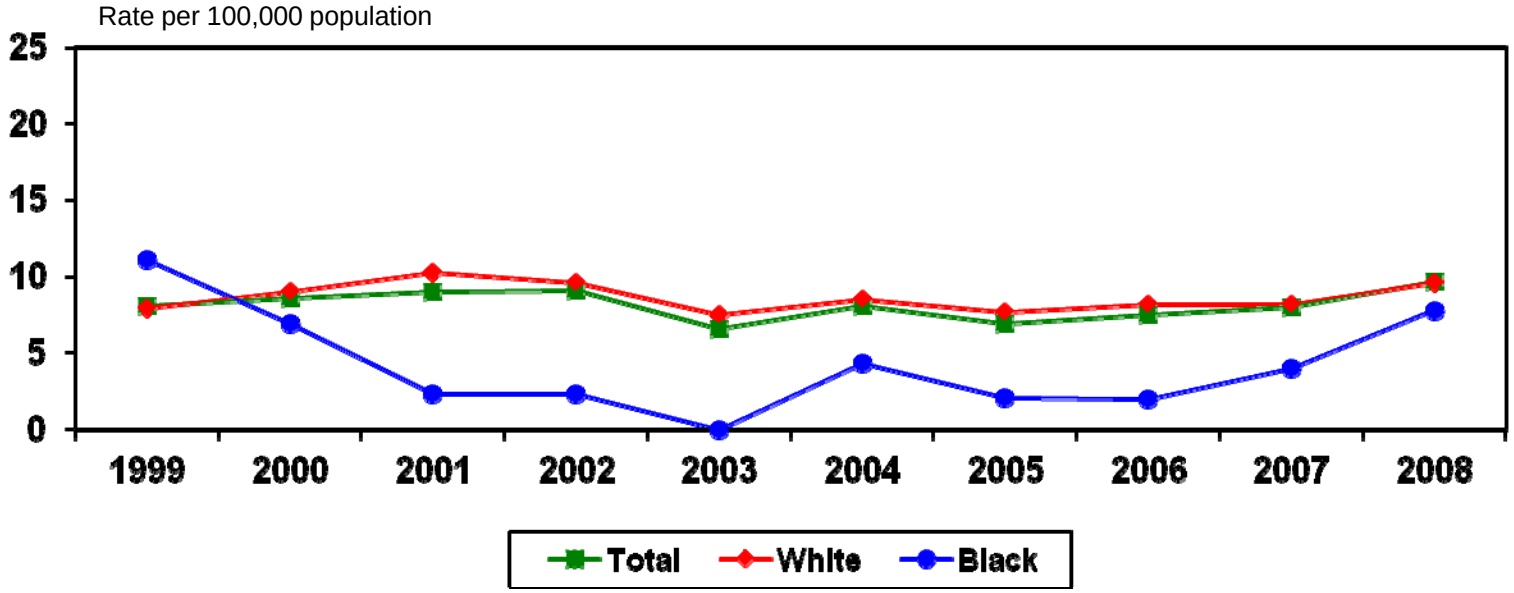


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	86.9	93.6	102.8	95.0	94.6	95.0	112.6	100.1	92.6	80.8
White	77.8	81.3	89.0	98.7	89.0	91.0	108.0	95.2	85.2	67.5
Black	188.3	262.6	286.0	131.5	180.3	148.4	177.3	161.2	183.9	209.3

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Suicide Mortality Rates Among Youths Aged 15-19 Years, by Race

Indiana Residents, 1999-2008

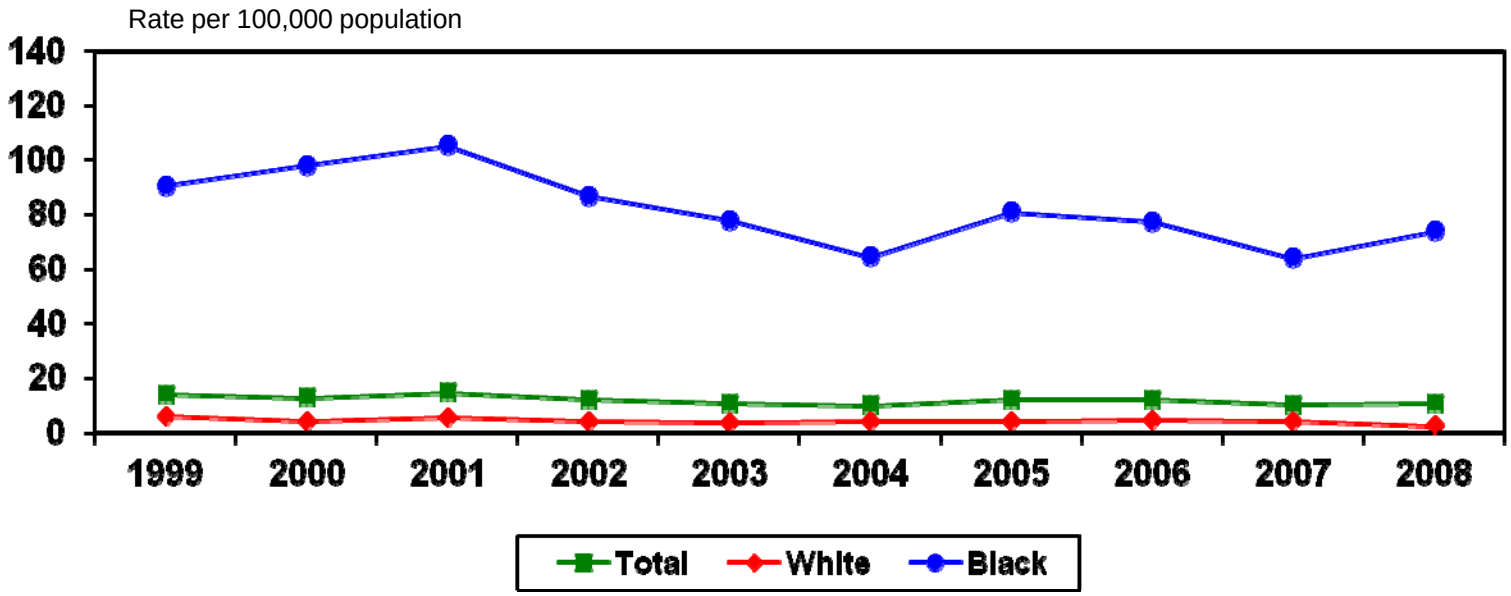


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	8.1	8.6	9.0	9.1	6.6	8.1	6.9	7.5	8.0	9.7
White	7.9	9.0	10.3	9.6	7.5	8.5	7.7	8.2	8.2	9.6
Black	**11.1***	**6.9***	**2.3***	**2.3***	**0.0***	**4.3***	**2.1***	**2.0***	**4.0***	**7.8***

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Homicide Mortality Rates Among Those Aged 15-24 Years, by Race

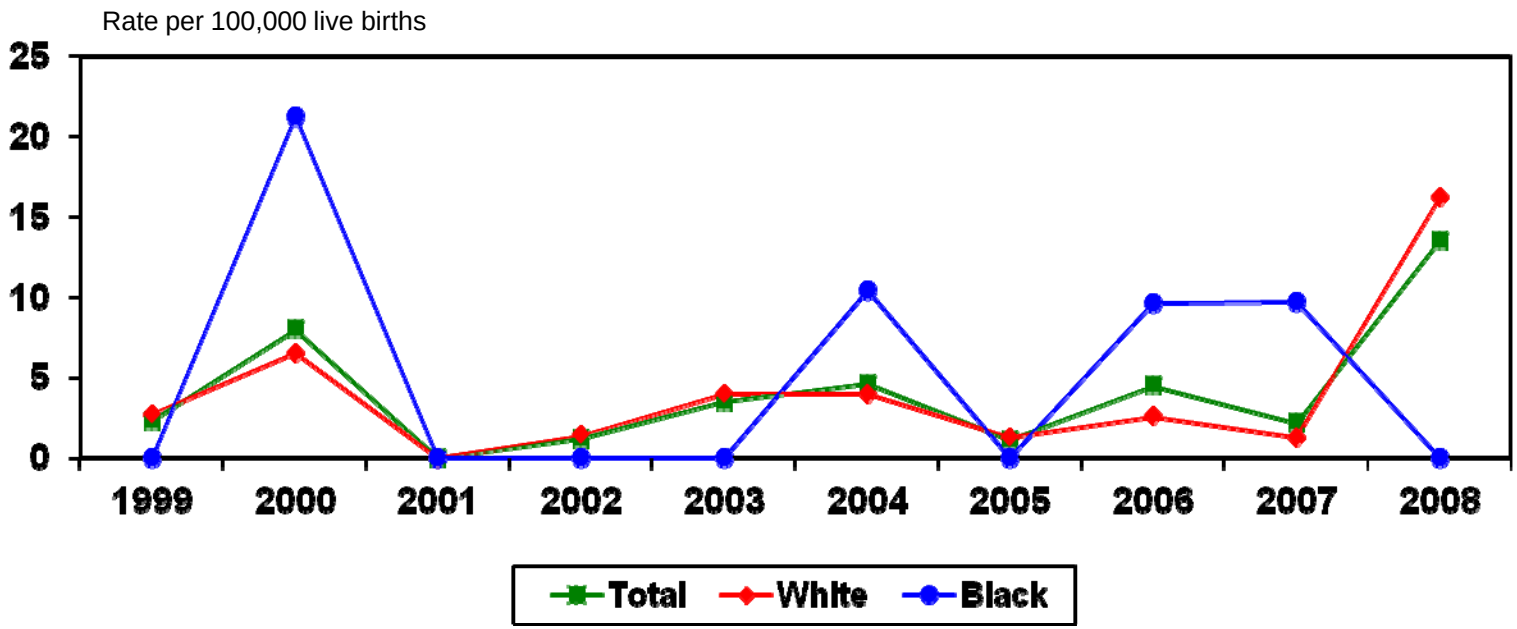
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	14.1	12.9	14.7	12.1	10.6	10.1	12.3	12.0	10.4	10.7
White	5.9	4.2	5.5	4.1	3.6	4.1	4.2	4.5	4.1	2.6
Black	90.5	98.1	105.2	86.7	77.9	64.4	80.9	77.3	64.0	73.9

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Maternal Mortality Rates by Race
Indiana Residents, 1999-2008

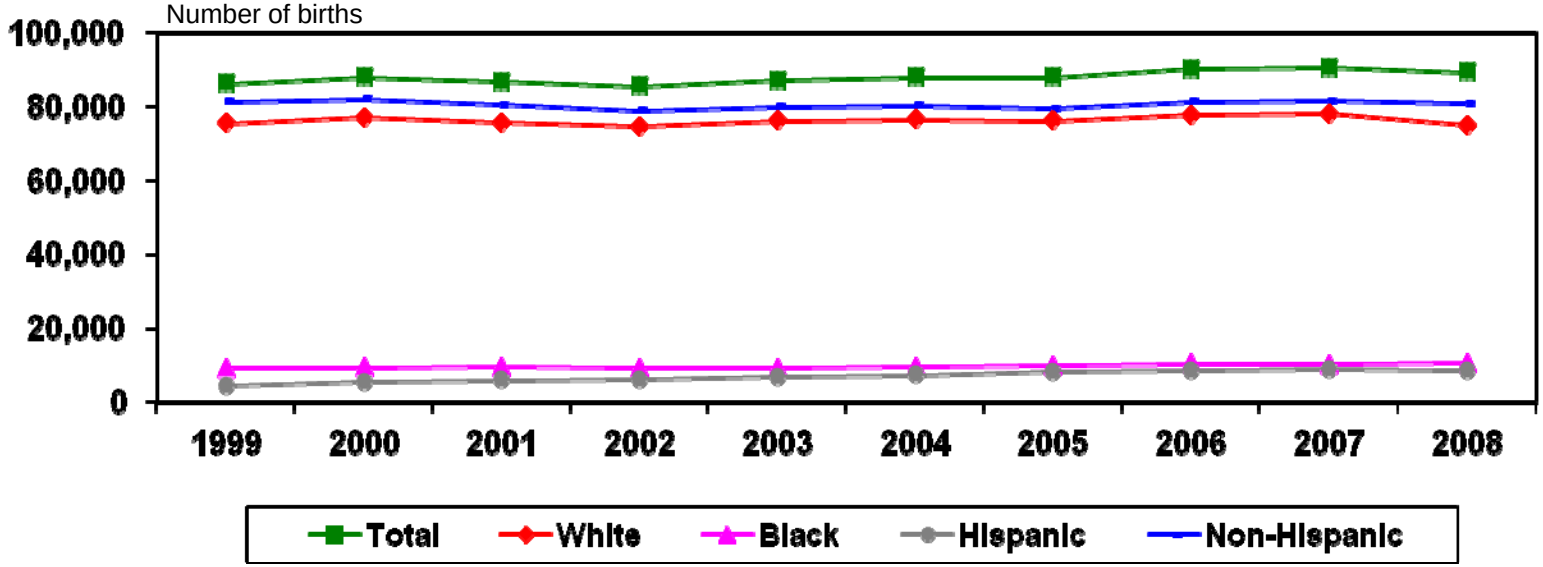


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	2.3*	8.0*	0.0*	1.2*	3.5*	4.6*	1.1*	4.5*	2.2*	13.5*
White	2.7*	6.5*	0.0*	1.4*	4.0*	4.0*	1.3*	2.6*	1.3*	16.2*
Black	0.0*	21.2*	0.0*	0.0*	0.0*	10.4*	0.0*	9.6*	9.7*	0.0*

*Numerator is less than 20, and the rate is unstable.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Number of Occurrent Live Births* by Race and Ethnicity

Indiana, 1999-2008

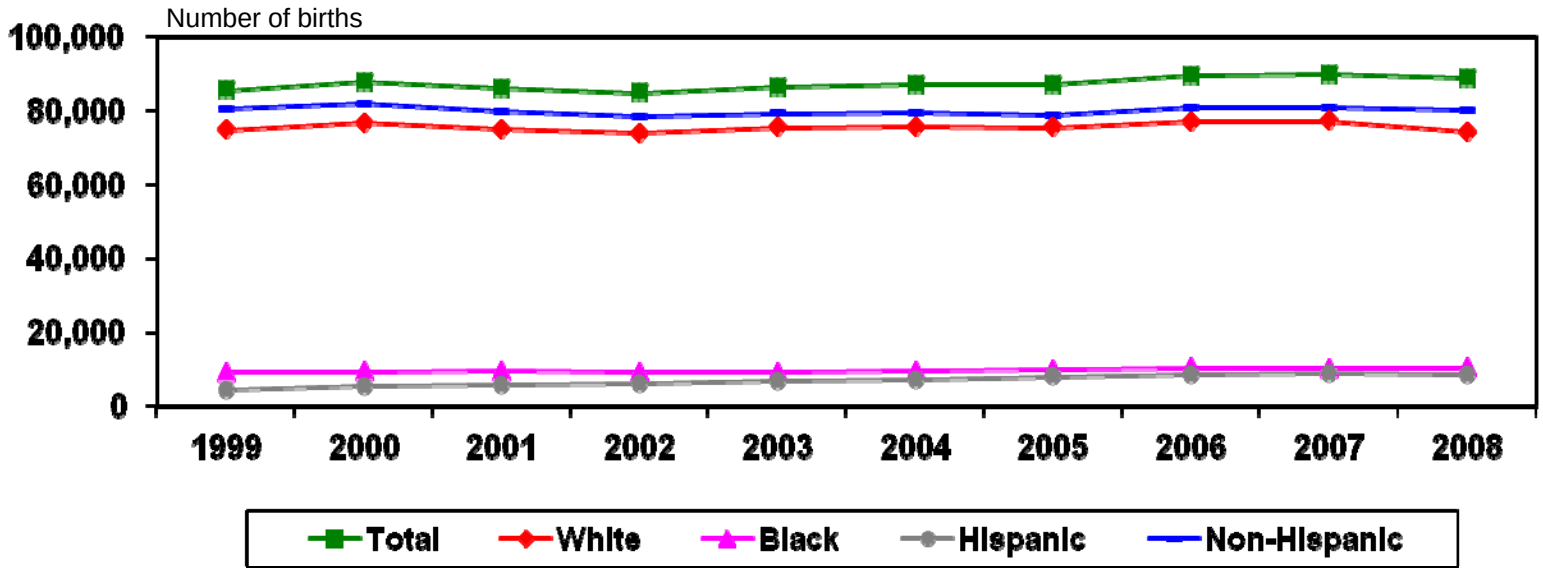


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	86,194	87,948	86,718	85,533	87,128	87,961	87,864	90,120	90,586	89,324
White	75,457	76,974	75,626	74,646	76,143	76,451	76,186	77,763	77,975	74,895
Black	9,263	9,432	9,536	9,300	9,329	9,658	9,882	10,451	10,371	10,571
Hispanic	4,434	5,512	5,913	6,206	6,821	7,322	8,125	8,567	8,858	8,561
Non-Hispanic	81,385	82,088	80,402	78,953	79,911	80,257	79,375	81,359	81,596	80,715

*Live births occurring in Indiana regardless of mother's state of residence.
Notes: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Number of Resident Live Births* by Race and Ethnicity

Indiana, 1999-2008



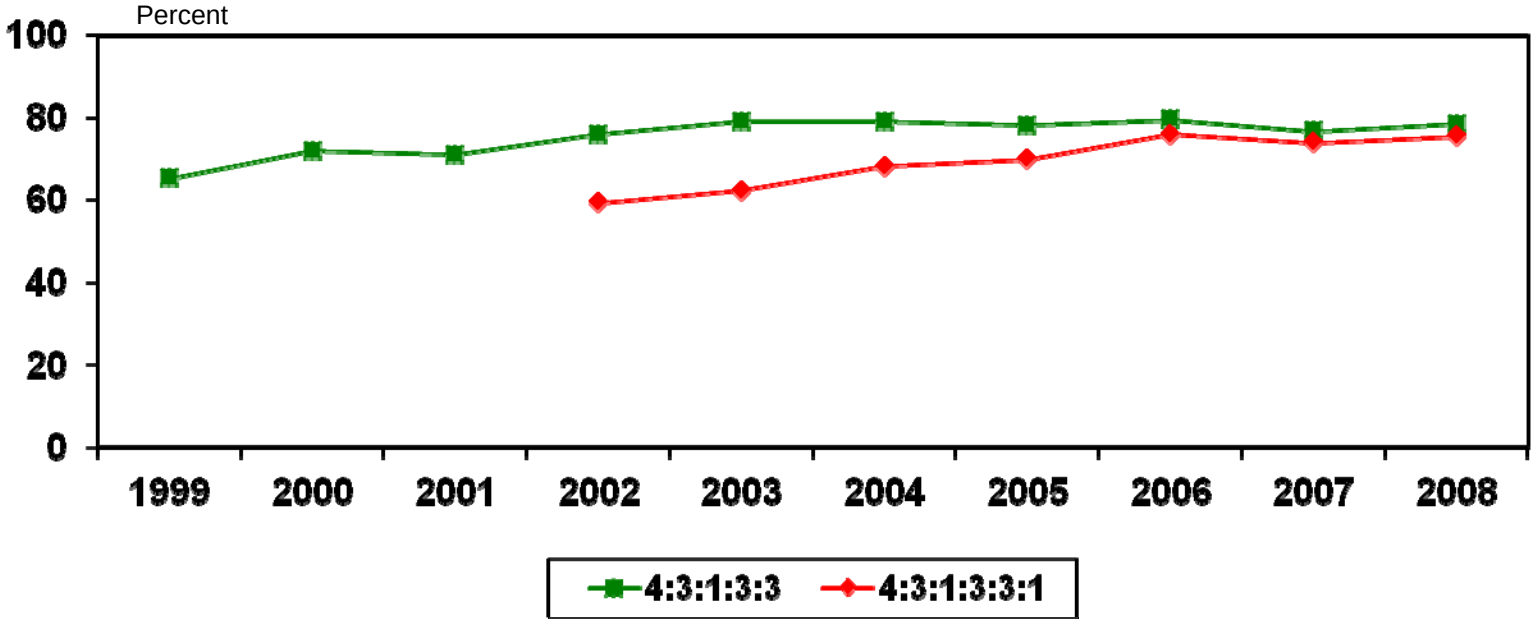
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	85,489	87,697	86,122	84,839	86,382	87,125	87,088	89,404	89,719	88,679
White	74,787	76,753	75,056	74,013	75,422	75,680	75,464	77,096	77,171	74,280
Black	9,244	9,421	9,531	9,243	9,288	9,582	9,820	10,396	10,303	10,496
Hispanic	4,383	5,427	5,865	6,145	6,763	7,237	8,026	8,488	8,785	8,510
Non-Hispanic	80,467	81,947	79,883	78,346	79,261	79,537	78,723	80,727	80,769	80,091

*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, ERC, Data Analysis Team, 2012

Percent of Immunized 2-Year-Old Children* in Indiana Who Received the 4:3:1:3:3 or 4:3:1:3:3:1 Series of Immunizations

National Immunization Survey, CDC

1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
4:3:1:3:3	65.3	72.0	71.1	76.0	79.0	79.0	78.1	79.6	76.8	78.4
4:3:1:3:3:1	n/a	n/a	n/a	59.4	62.3	68.2	69.9	75.9	74.0	75.5

*2-year-old children refers to children aged 19-35 months according to the National Immunization Survey.

Note: The 4:3:1:3:3 series is four or more doses of DTaP, three or more doses of poliovirus vaccine, one or more doses of MMR, three or more doses of Hib, and three or more doses of HepB.

The 4:3:1:3:3:1 series is four or more doses of DTaP, three or more doses of poliovirus vaccine, one or more doses of MMR, three or more doses of Hib, three or more doses of HepB, and one or more doses of varicella.

Source: U.S. Department of Health & Human Services, Centers for Disease Control and Prevention, National Immunization Survey

Percent of Immunized 2-Year-Old* Children in Indiana Who Received the 4:3:1:3:3 Series of Immunizations

National Immunization Survey, CDC

1999-2008

	Statewide	Indianapolis / Marion County	Balance of State
January 2008-December 2008	78%	n/a	n/a
January 2007-December 2007	77%	73%	78%
January 2006-December 2006	80%	80%	80%
January 2005-December 2005	78%	n/a	n/a
January 2004-December 2004	79%	78%	79%
January 2003-December 2003	79%	75%	80%
January 2002-December 2002	76%	74%	76%
January 2001-December 2001	71%	69%	72%
January 2000-December 2000	72%	62%	74%
January 1999-December 1999	65%	64%	66%

*2-year-old children refers to children aged 19-35 months according to the National Immunization Surveys.

Note: The 4:3:1:3:3 series is four or more doses of DTaP, three or more doses of poliovirus vaccine, one or more doses of MMR, three or more doses of Hib, and three or more doses of HepB. (Dtap is Diphtheria, Tetanus, and Pertussis. MMR is Measles, Mumps, and Rubella vaccine. Hib is Haemophilus influenzae type b. HepB is hepatitis B vaccine.)

Source: U.S. Department of Health & Human Services, Centers for Disease Control and Prevention, National Immunization Surveys

Percent of Immunized 2-Year-Old* Children in Indiana Who Received the 4:3:1:3:3:1 Series of Immunizations

National Immunization Survey, CDC
2002-2008

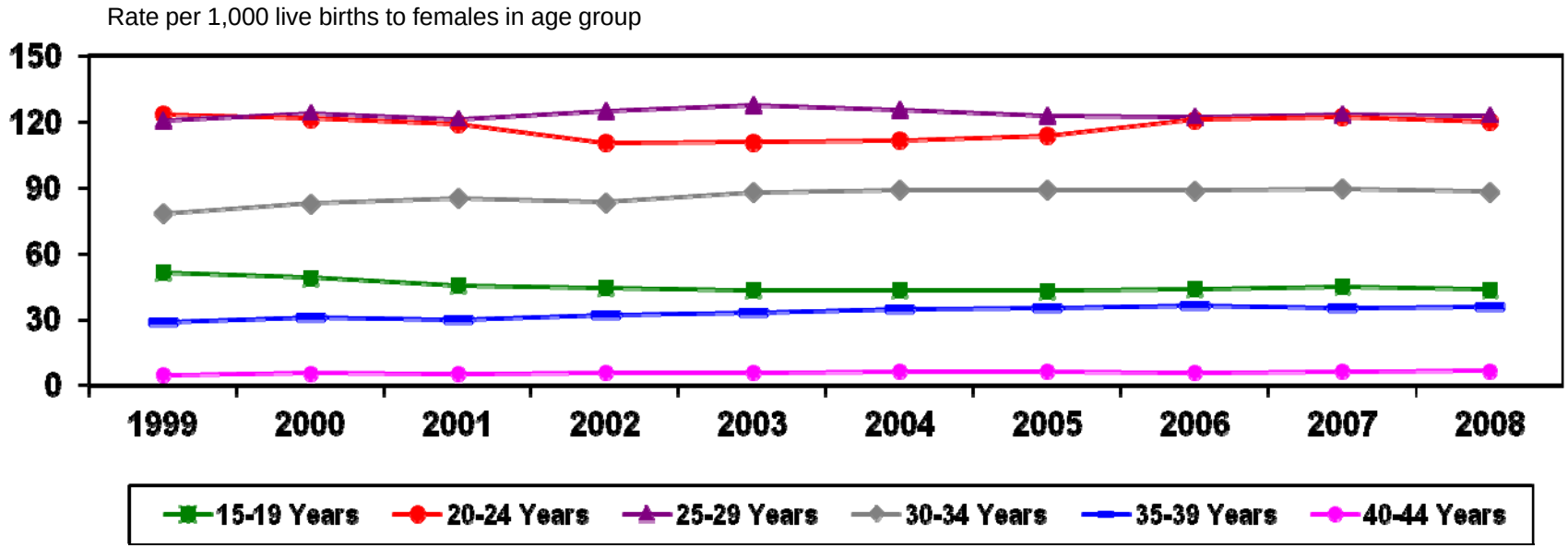
	Statewide	Indianapolis / Marion County	Balance of State
January 2008-December 2008	76%	n/a	n/a
January 2007-December 2007	74%	71%	75%
January 2006-December 2006	76%	77%	76%
January 2005-December 2005	70%	n/a	n/a
January 2004-December 2004	68%	74%	67%
January 2003-December 2003	62%	66%	62%
January 2002-December 2002	59%	62%	59%

*2-year-old children refers to children aged 19-35 months according to the National Immunization Surveys.

Note: The 4:3:1:3:3:1 series is four or more doses of DTaP, three or more doses of poliovirus vaccine, one or more doses of MMR, three or more doses of Hib, three or more doses of HepB, and one or more doses of varicella. (DTaP is Diphtheria, Tetanus, and Pertussis. MMR is Measles, Mumps, and Rubella vaccine. Hib is Haemophilus influenzae type b. HepB is hepatitis B vaccine.)

Source: U.S. Department of Health & Human Services, Centers for Disease Control and Prevention, National Immunization Surveys

Age-Specific Birth Rates by Age Group for Females
Indiana Residents, 1999-2008

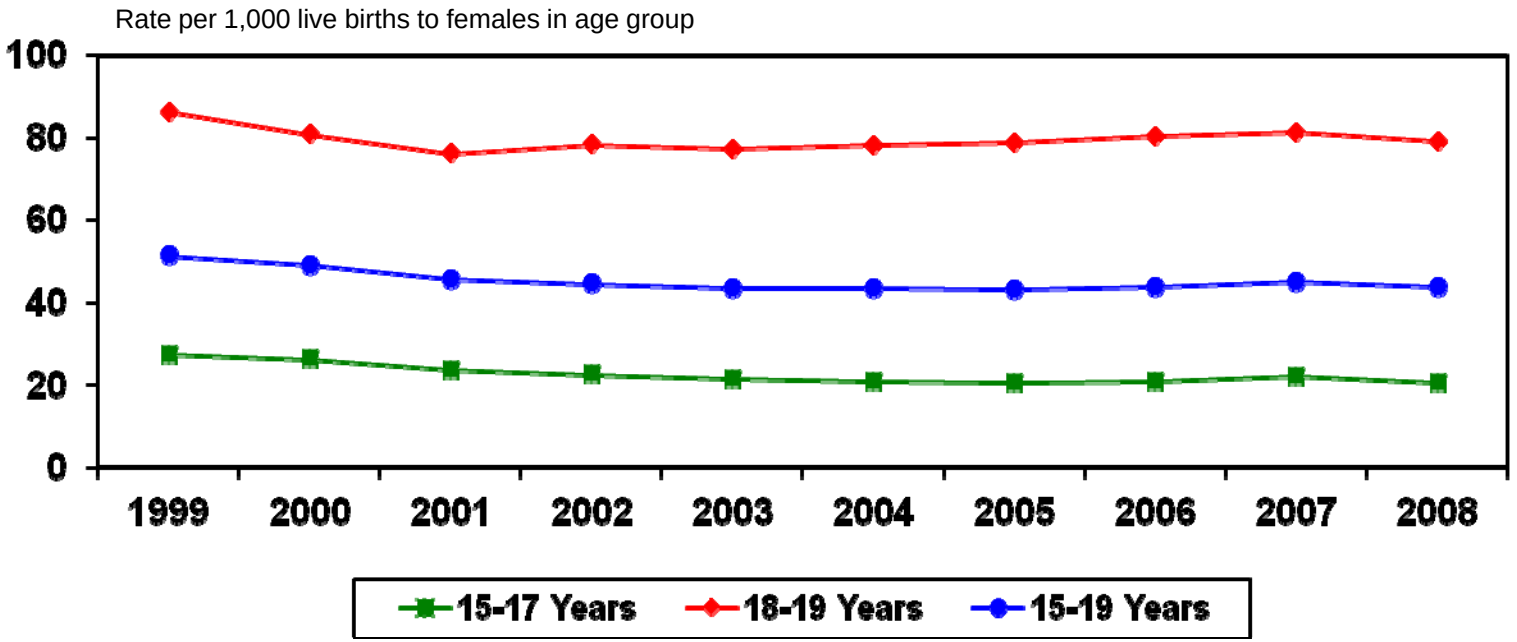


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
15-19 Years	51.3	49.1	45.7	44.5	43.4	43.5	43.2	43.8	45.1	43.7
20-24 Years	123.2	121.5	119.3	110.5	110.8	111.5	113.7	121.0	122.3	120.0
25-29 Years	120.7	124.1	121.3	124.9	127.7	125.4	122.7	122.5	123.3	123.1
30-34 Years	78.5	82.9	85.1	83.4	88.1	88.9	89.1	88.8	89.6	88.3
35-39 Years	29.1	30.9	30.0	32.0	33.4	35.0	35.3	36.6	35.5	35.9
40-44 Years	4.9	5.6	5.5	5.7	6.0	6.6	6.4	6.1	6.4	6.7

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Age-Specific Birth Rates by Age Group for Teenage Females

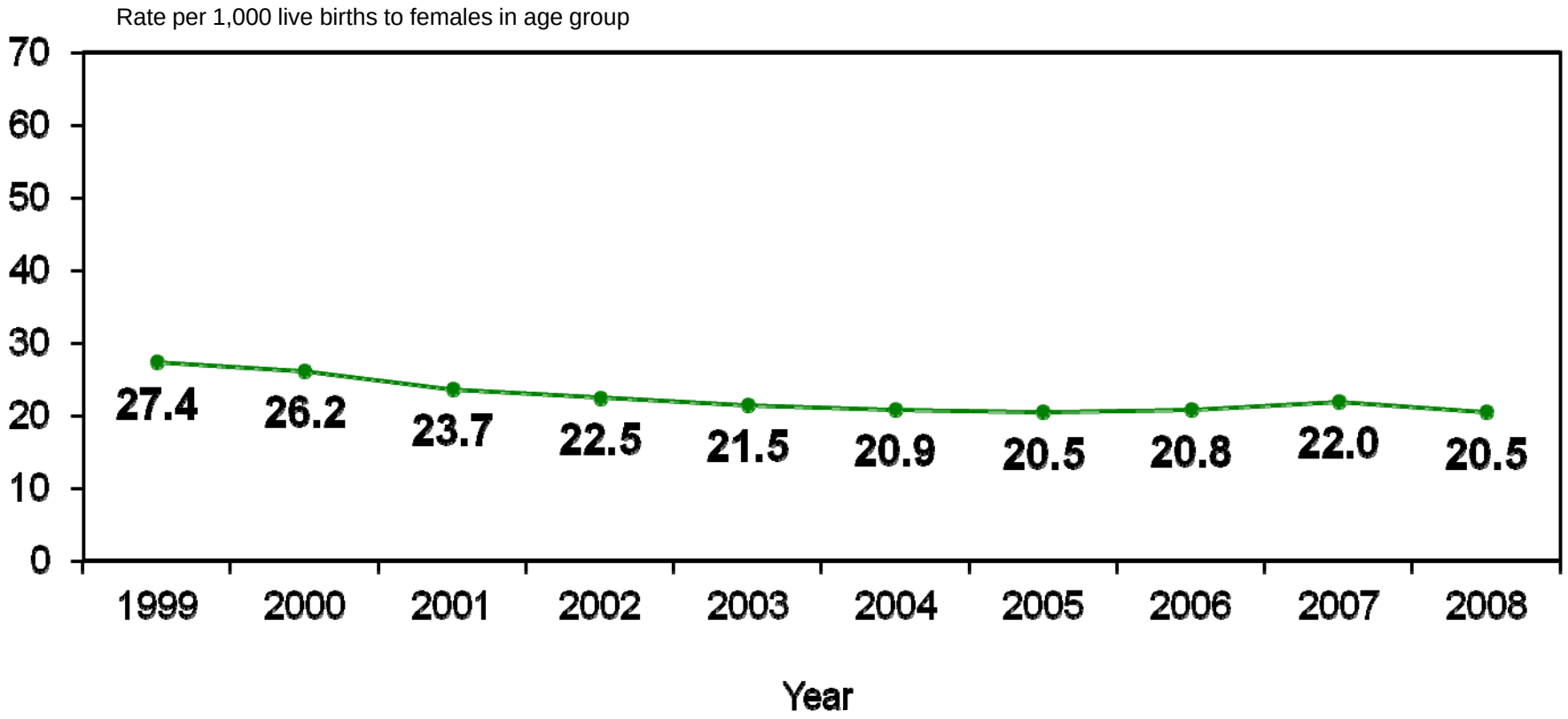
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
15-17 Years	27.4	26.2	23.7	22.5	21.5	20.9	20.5	20.8	22.0	20.5
18-19 Years	86.3	80.8	76.1	78.3	77.2	78.1	78.8	80.3	81.2	79.1
15-19 Years	51.3	49.1	45.7	44.5	43.4	43.5	43.2	43.8	45.1	43.7

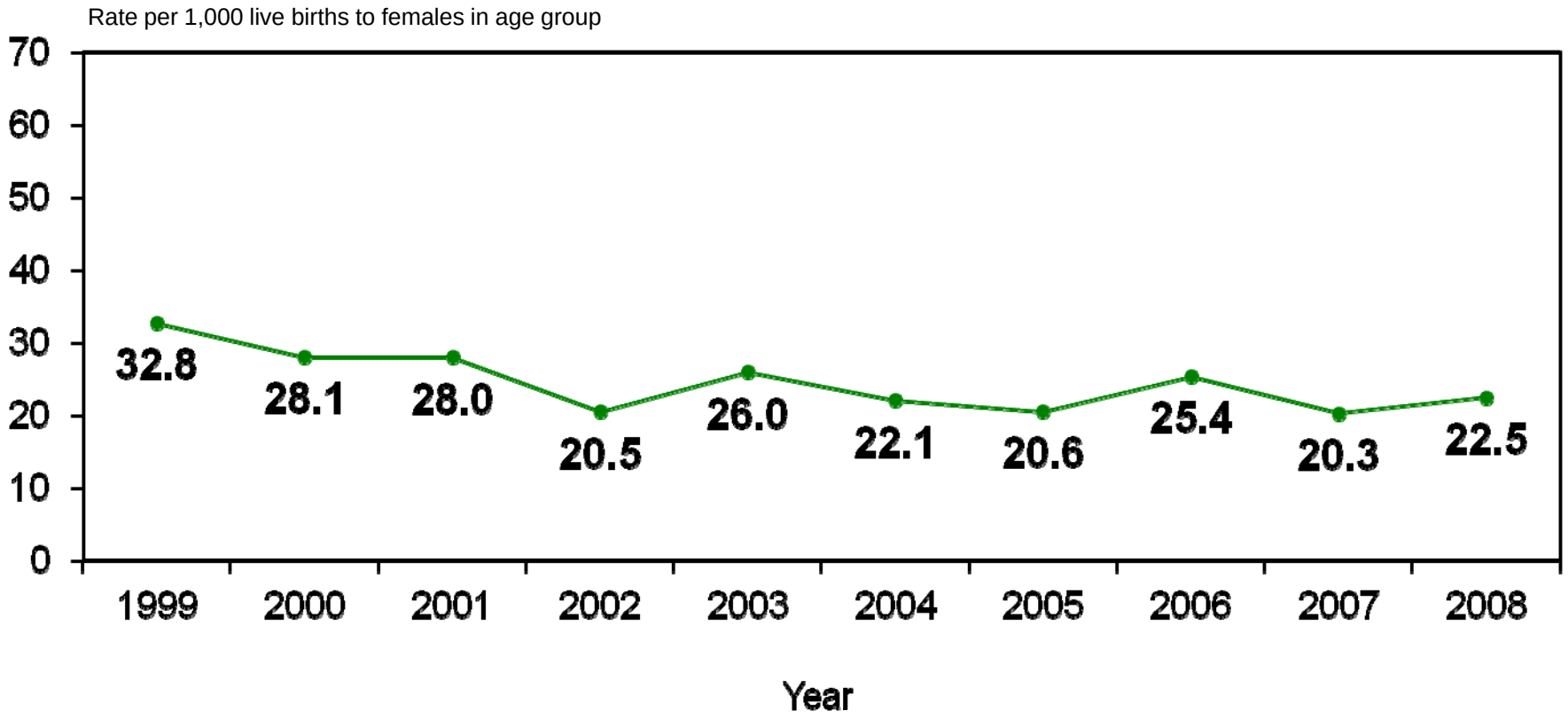
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Age-Specific Birth Rates
Females Aged 15-17 Years
Indiana Residents, 1999-2008



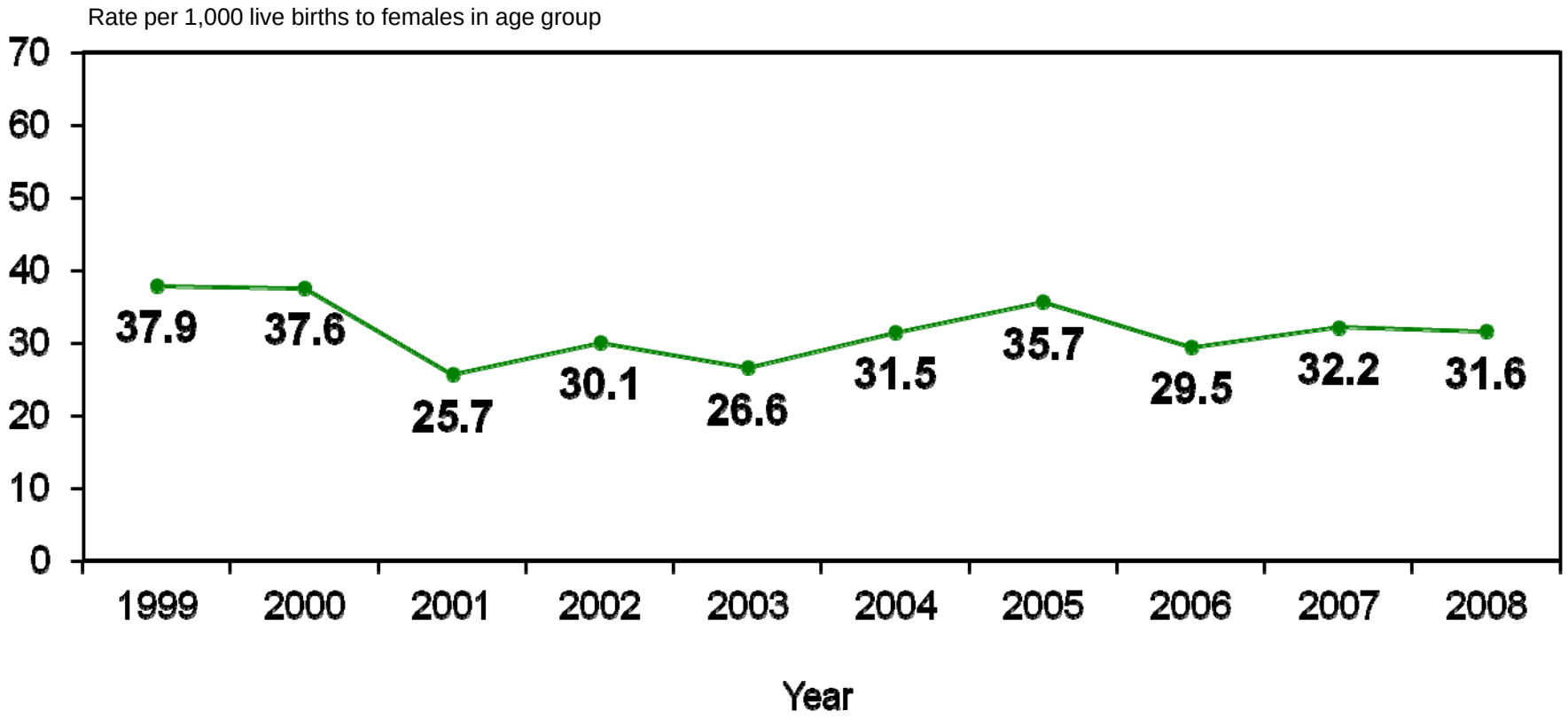
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Age-Specific Birth Rates
Females Aged 15-17 Years
Allen County Residents, 1999-2008



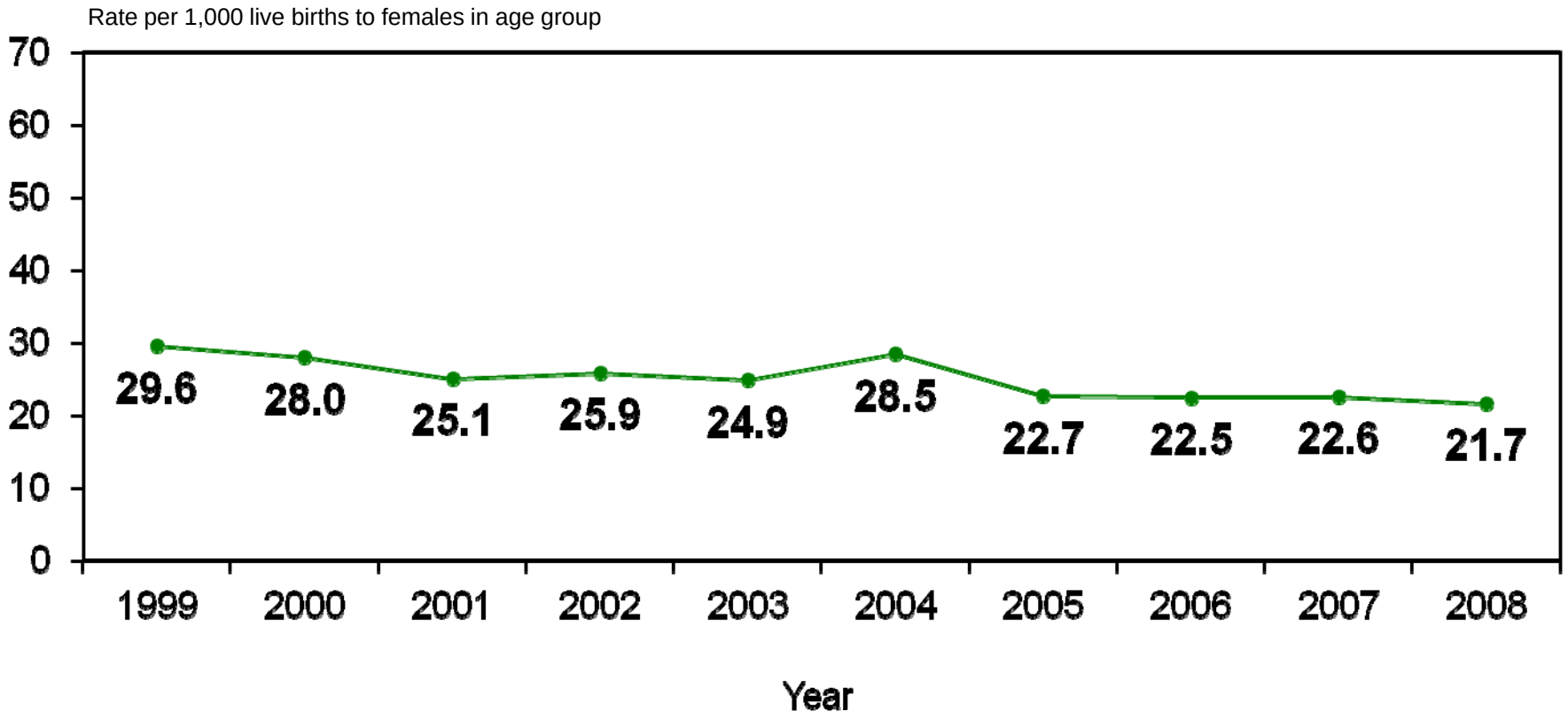
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Age-Specific Birth Rates
Females Aged 15-17 Years
Elkhart County Residents, 1999-2008



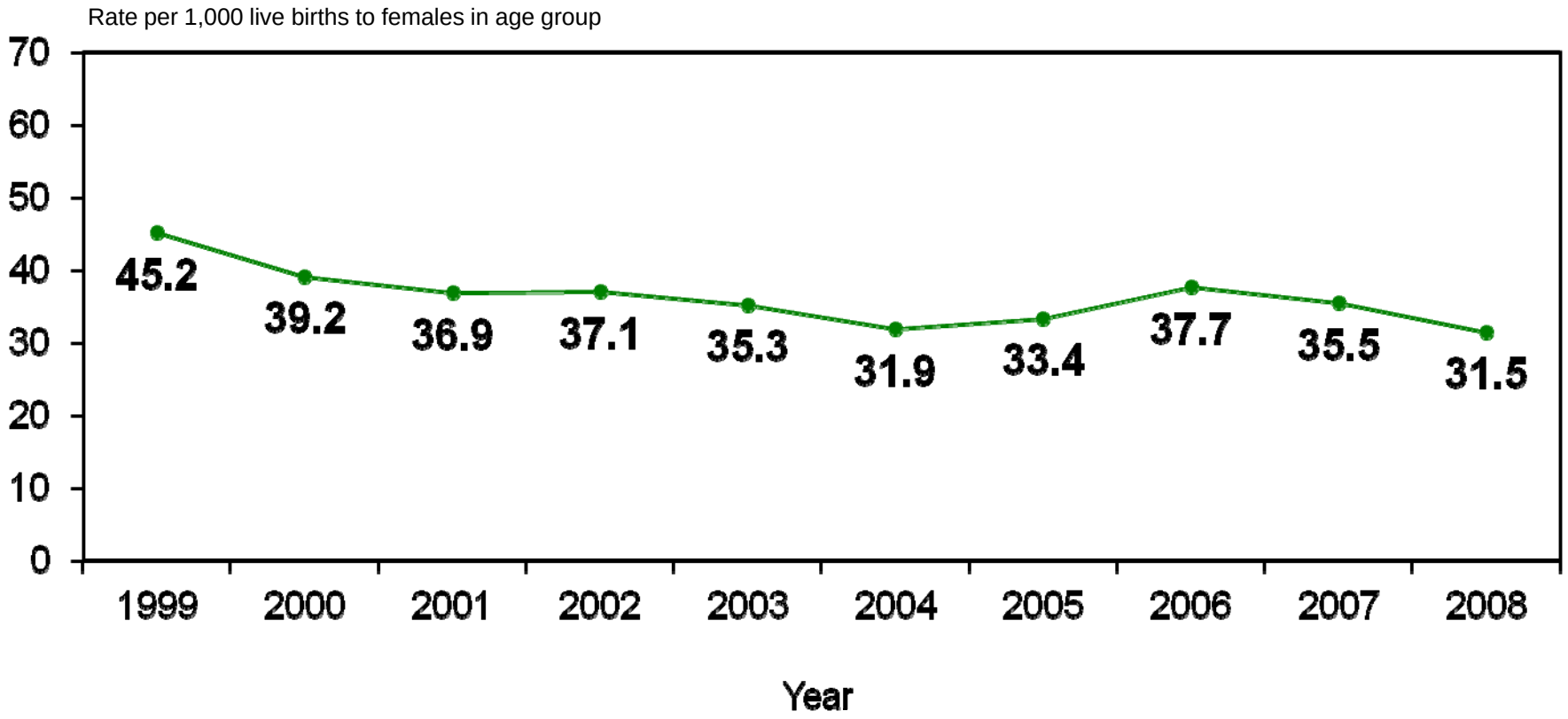
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Age-Specific Birth Rates
Females Aged 15-17 Years
Lake County Residents, 1999-2008



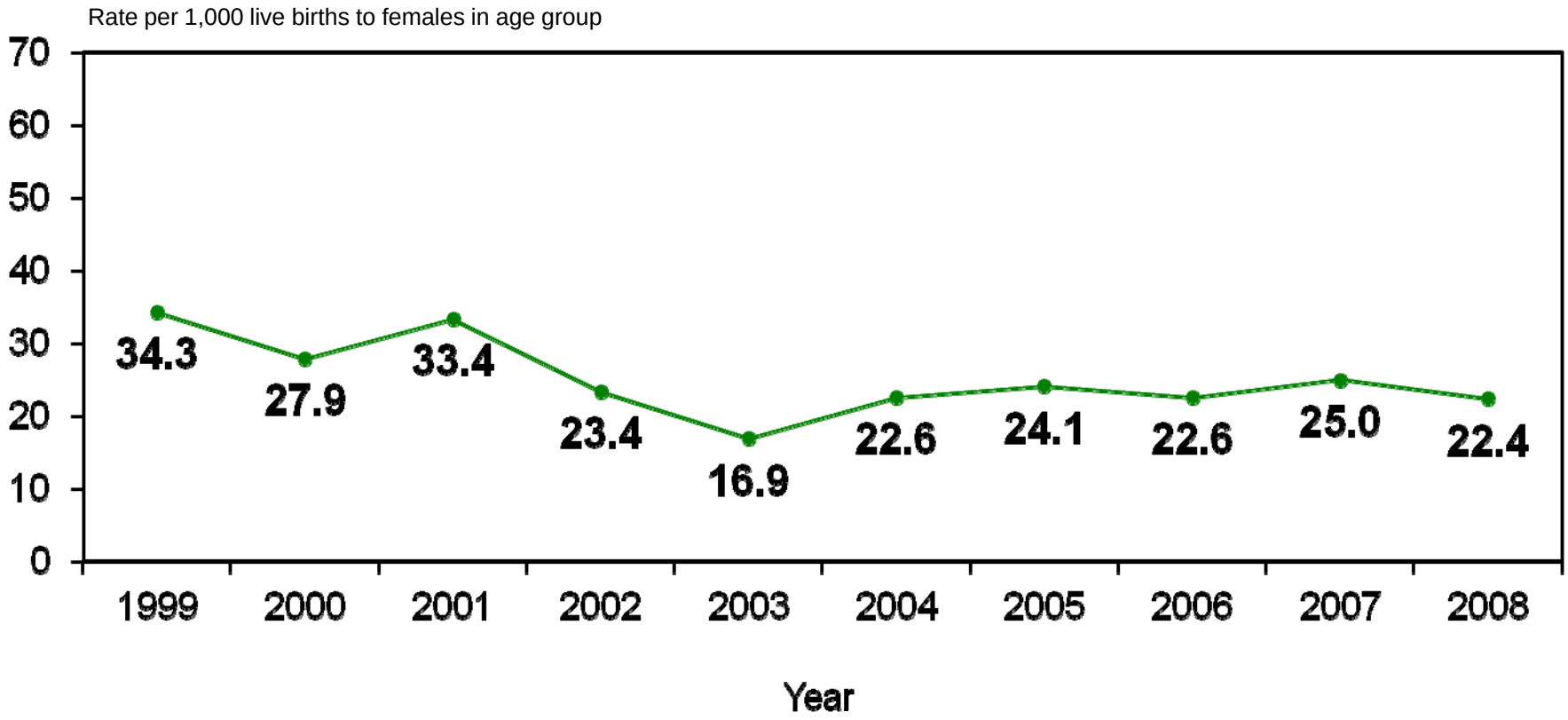
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Age-Specific Birth Rates
Females Aged 15-17 Years
Marion County Residents, 1999-2008



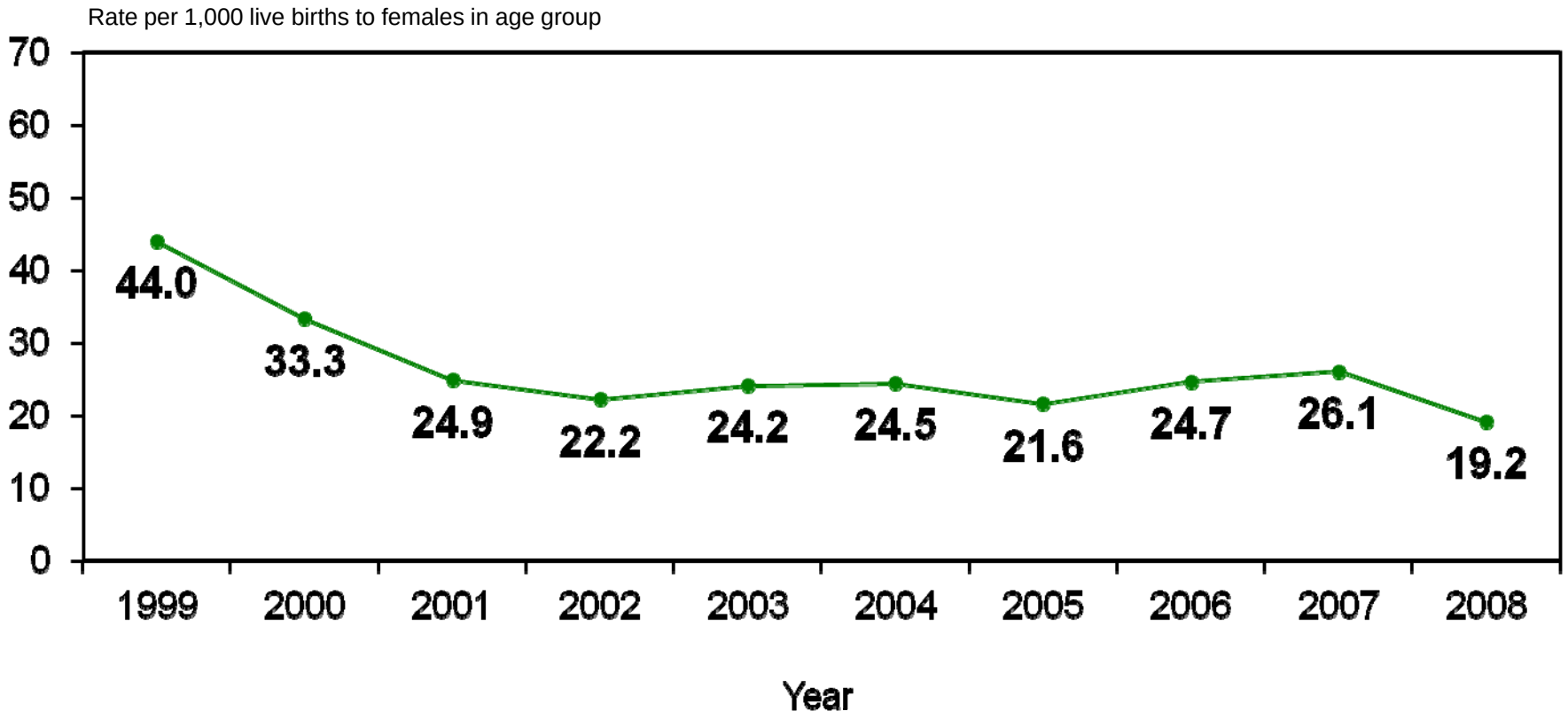
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Age-Specific Birth Rates
Females Aged 15-17 Years
St. Joseph County Residents, 1999-2008



Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

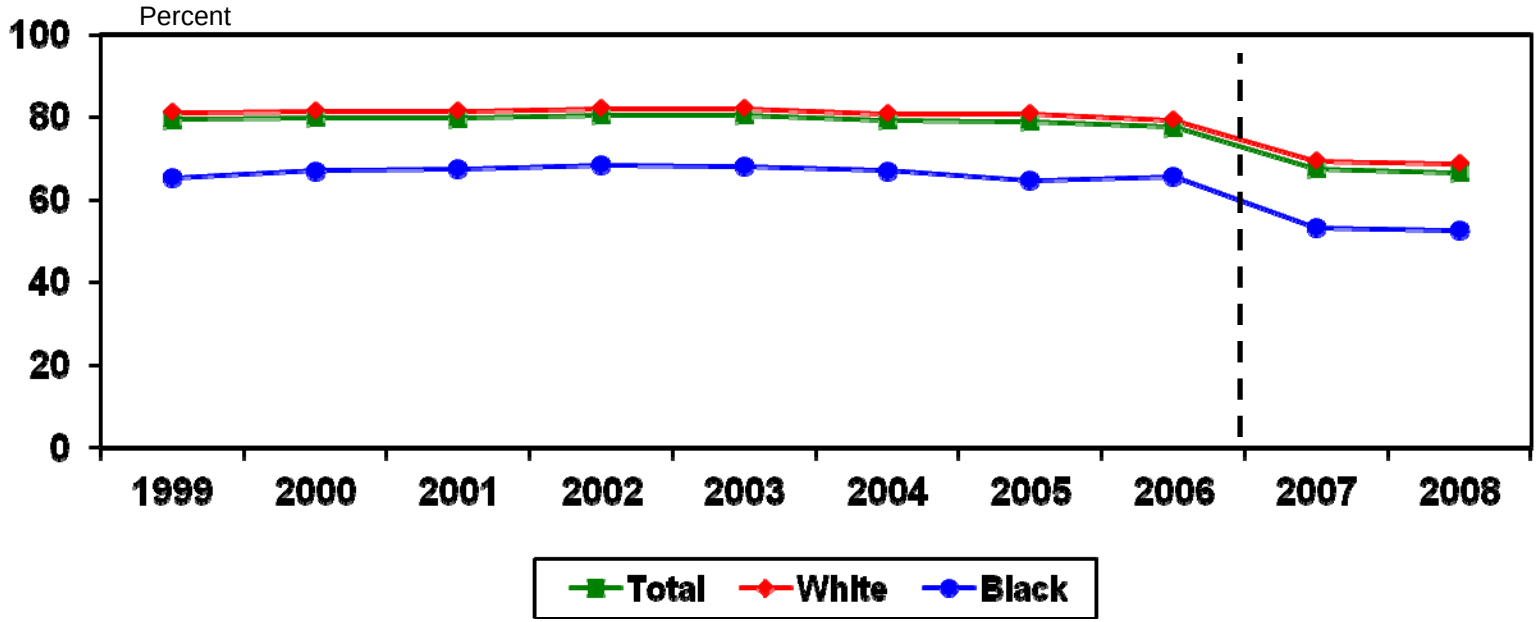
Age-Specific Birth Rates
Females Aged 15-17 Years
Vanderburgh County Residents, 1999-2008



Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester*, by Race

Indiana Residents, 1999-2008

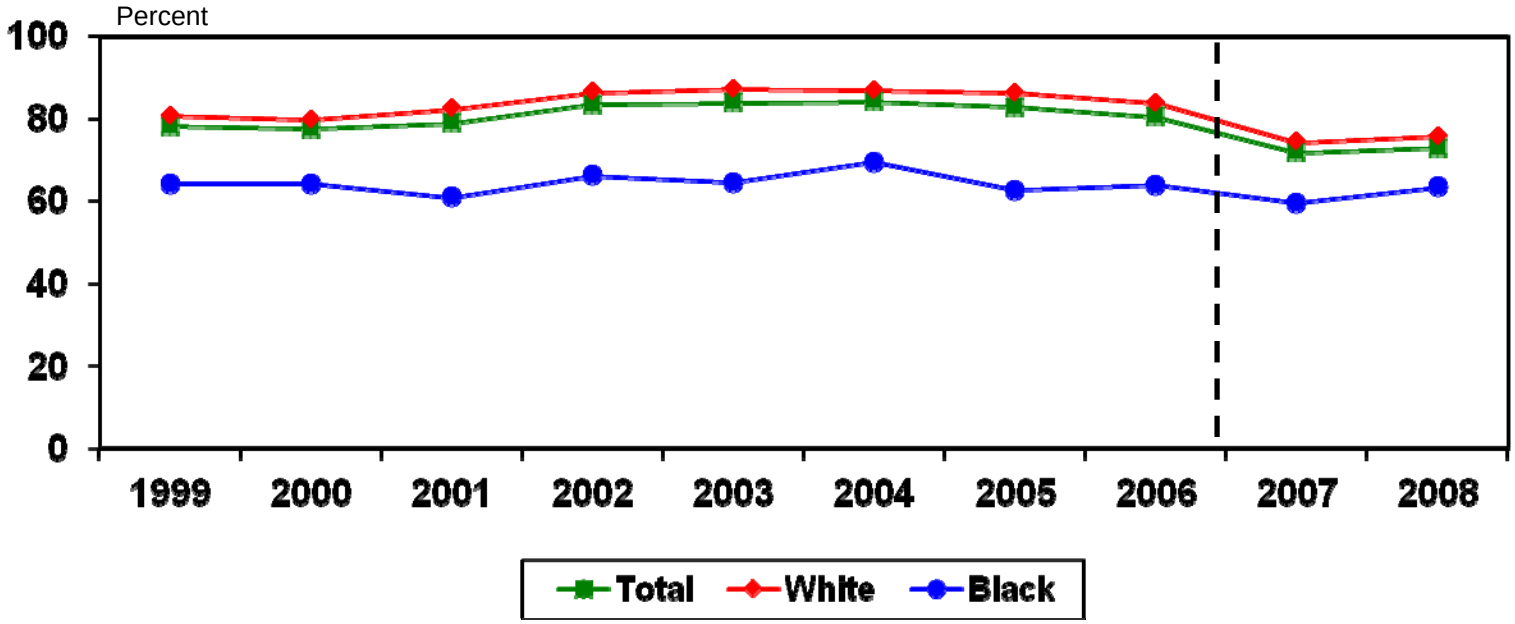


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	79.5	80.0	79.8	80.5	80.6	79.3	78.9	77.6	67.5	66.6
White	81.3	81.6	81.4	82.1	82.1	80.8	80.8	79.2	69.4	68.9
Black	65.5	67.1	67.6	68.6	68.2	67.1	64.8	65.6	53.4	52.6

*Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester*, by Race

Allen County Residents, 1999-2008

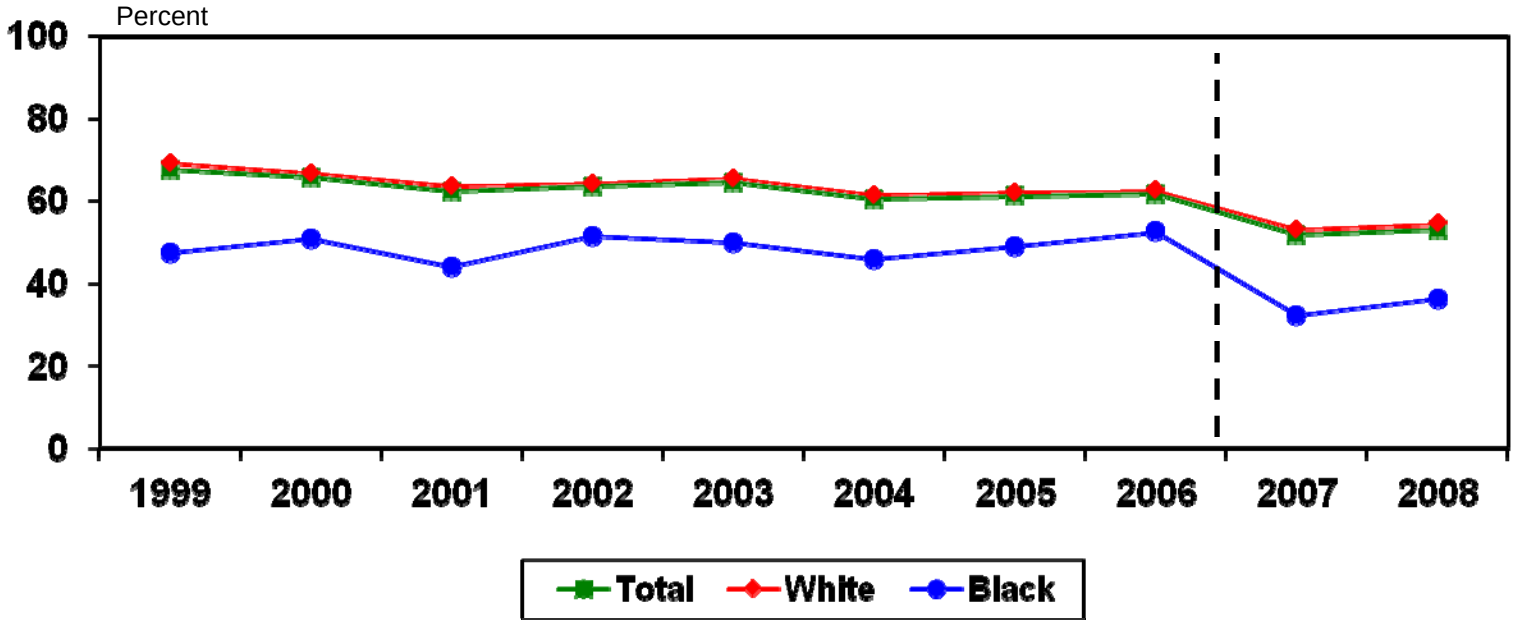


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	78.2	77.5	78.9	83.5	83.9	84.2	82.8	80.5	71.8	72.9
White	80.7	79.7	82.3	86.4	87.1	86.8	86.3	83.8	74.3	75.6
Black	64.3	64.3	61.0	66.2	64.6	69.5	62.6	63.9	59.6	63.4

*Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester*, by Race

Elkhart County Residents, 1999-2008

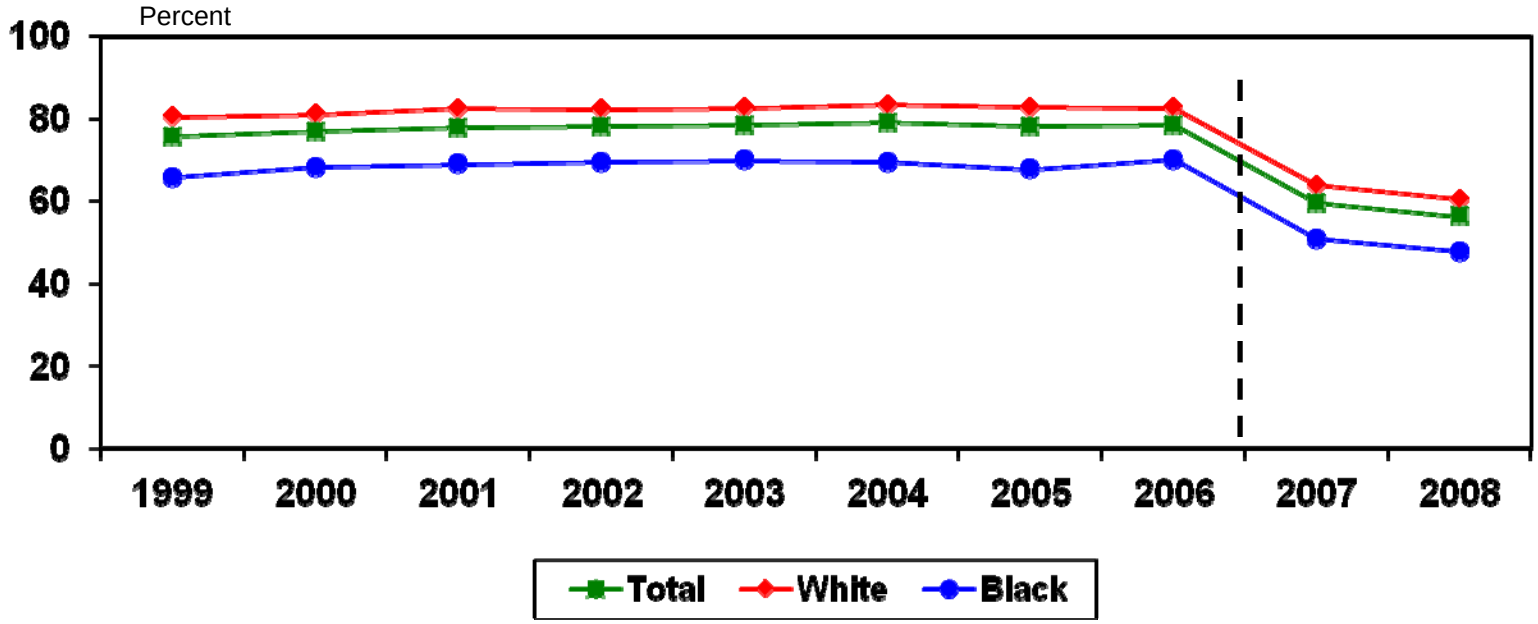


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	67.6	65.8	62.4	63.5	64.6	60.5	61.3	61.8	51.8	53.0
White	69.1	66.7	63.6	64.3	65.5	61.4	62.0	62.5	53.1	54.4
Black	47.4	50.9	44.1	51.5	50.0	45.9	49.1	52.6	32.3	36.3

*Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester*, by Race

Lake County Residents, 1999-2008

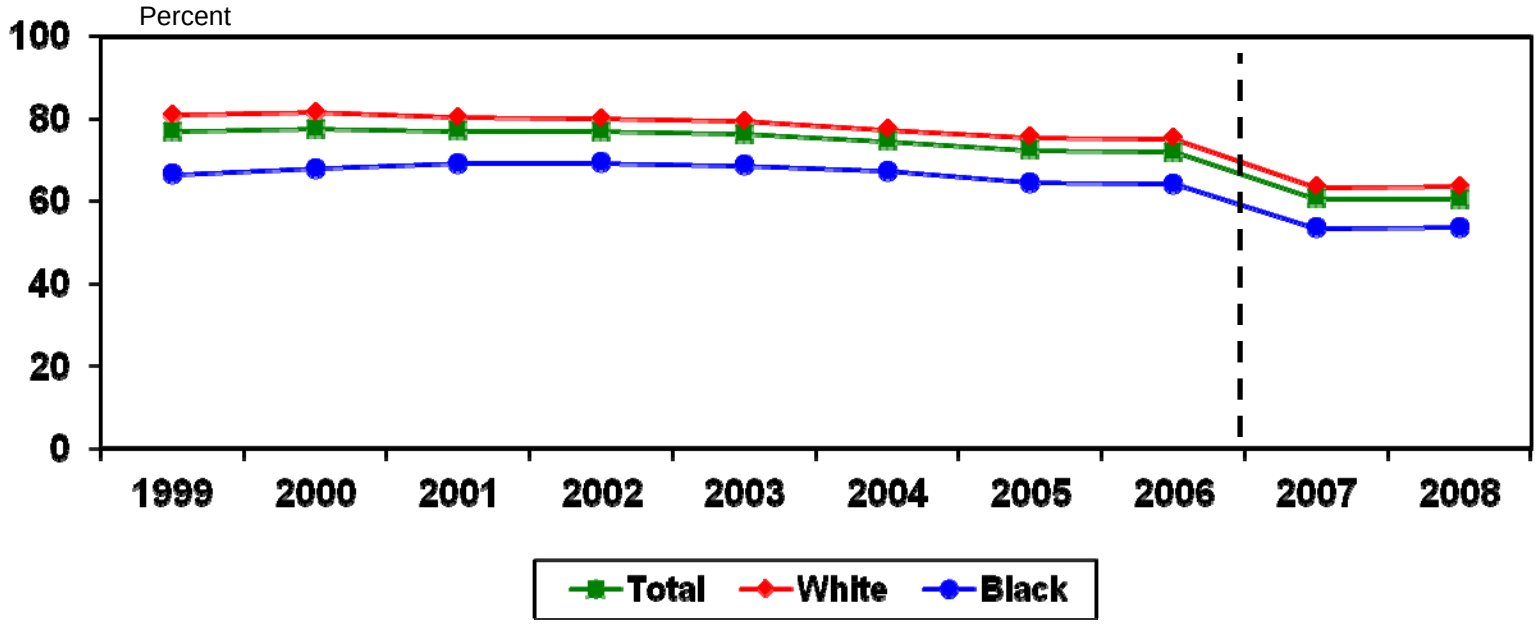


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	75.7	76.9	77.9	78.2	78.5	79.0	78.1	78.4	59.6	56.3
White	80.5	81.1	82.4	82.3	82.7	83.5	82.9	82.7	63.8	60.4
Black	65.8	68.3	69.0	69.4	69.9	69.5	67.8	70.0	50.8	47.7

*Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester*, by Race

Marion County Residents, 1999-2008

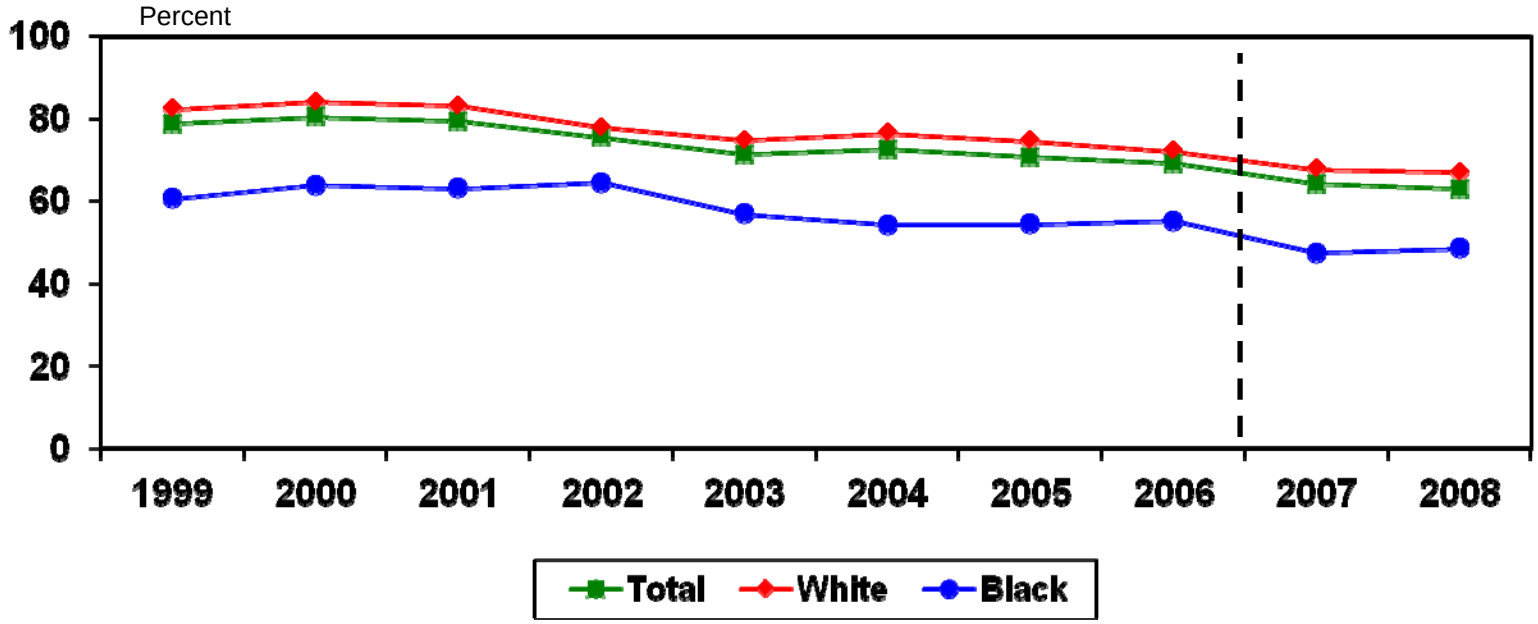


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	76.9	77.5	77.1	77.0	76.4	74.6	72.4	72.0	60.6	60.4
White	81.0	81.5	80.4	80.1	79.3	77.4	75.5	75.2	63.4	63.6
Black	66.5	68.0	69.2	69.3	68.7	67.3	64.6	64.3	53.5	53.7

*Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester*, by Race

St. Joseph County Residents, 1999-2008

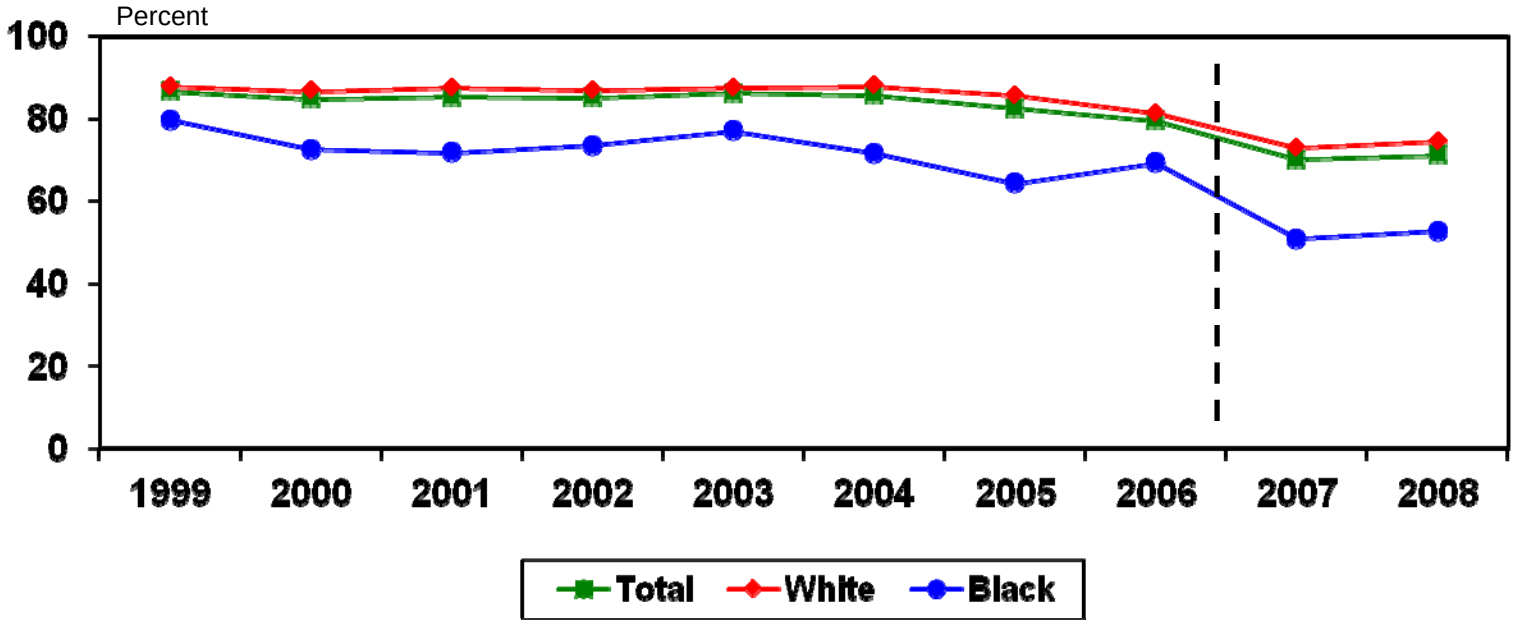


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	78.8	80.5	79.5	75.5	71.3	72.5	70.8	69.1	64.3	62.9
White	82.3	84.0	83.2	77.9	74.7	76.5	74.6	72.1	67.8	67.1
Black	60.7	63.8	63.1	64.5	56.9	54.3	54.5	55.2	47.5	48.6

*Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester*, by Race

Vanderburgh County Residents, 1999-2008

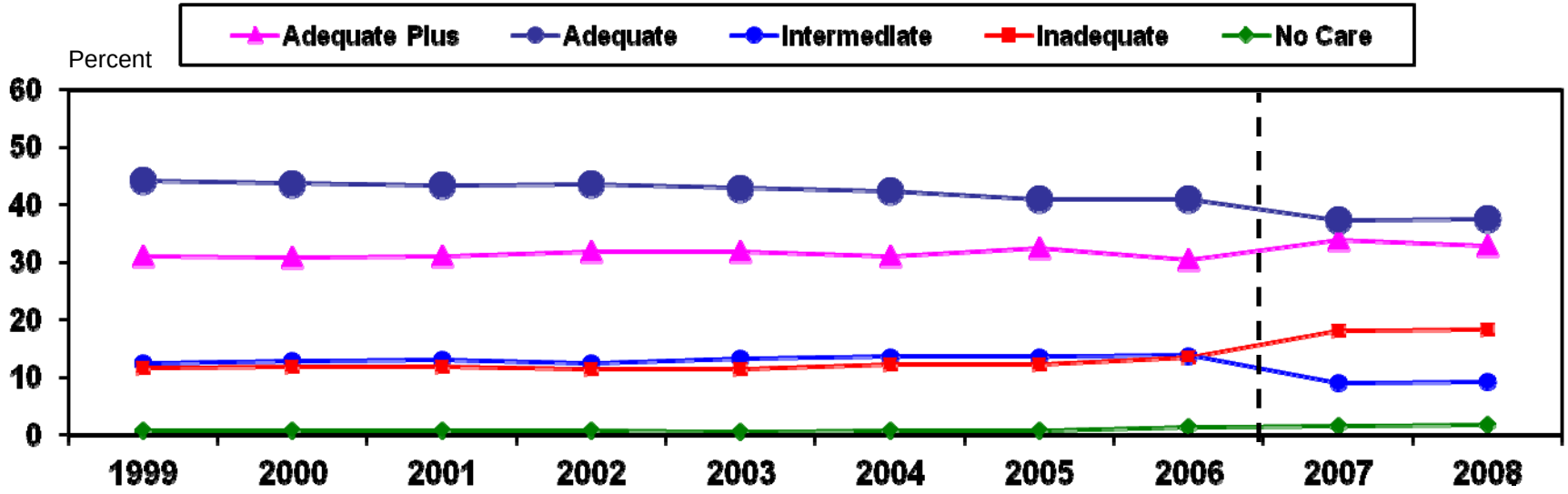


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	86.7	84.8	85.3	85.1	86.2	85.8	82.6	79.6	70.1	71.2
White	87.7	86.7	87.4	86.9	87.4	87.9	85.5	81.3	72.8	74.4
Black	79.8	72.5	71.8	73.5	77.1	71.6	64.4	69.3	50.9	52.8

*Because of birth certificate revisions in 2007, prenatal care data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Adequacy of Prenatal Care Utilization (Kotelchuck Index)*

All Races, Indiana Residents, 1999-2008

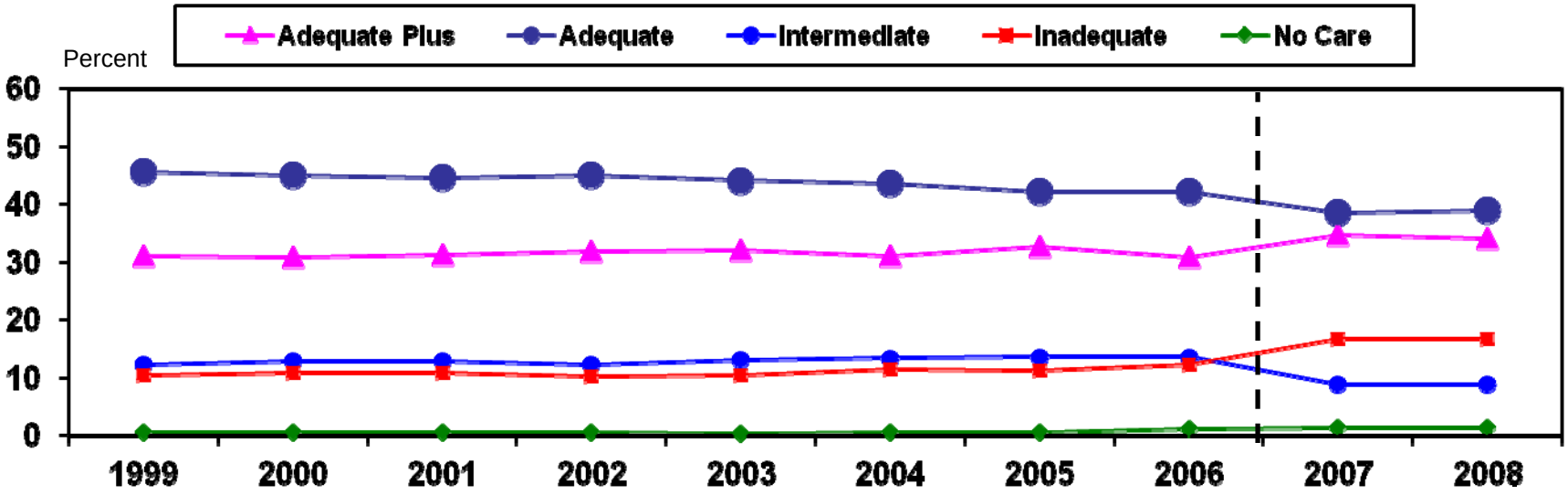


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adequate Plus	31.1	30.8	31.0	31.8	31.8	31.0	32.4	30.5	33.9	32.9
Adequate	44.2	43.7	43.4	43.6	42.9	42.4	41.0	40.9	37.3	37.6
Intermediate	12.4	12.9	13.0	12.5	13.2	13.6	13.6	13.8	9.0	9.3
Inadequate	11.7	11.8	11.9	11.4	11.5	12.3	12.3	13.5	18.2	18.4
No Care	0.8	0.8	0.8	0.7	0.6	0.8	0.7	1.3	1.6	1.8

*Because of birth certificate revisions in 2007, Kotelchuck data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Adequacy of Prenatal Care Utilization (Kotelchuck Index)*

White Population, Indiana Residents, 1999-2008

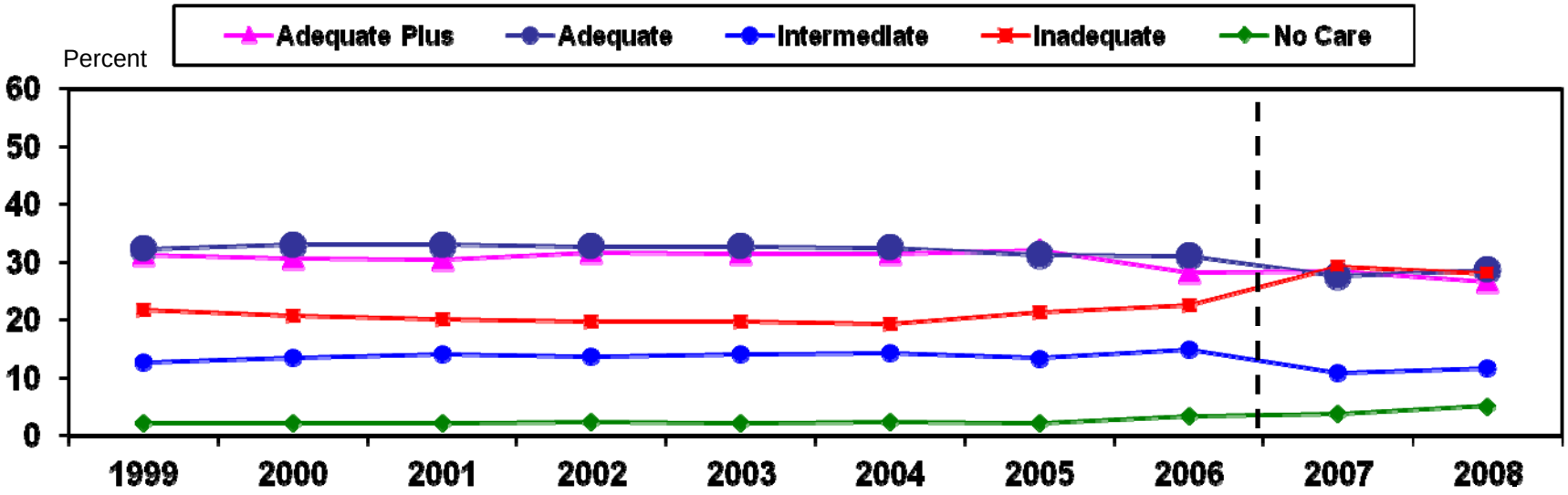


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adequate Plus	31.1	30.9	31.2	31.9	32.0	31.0	32.6	30.9	34.7	34.1
Adequate	45.6	45.0	44.6	45.0	44.1	43.6	42.1	42.2	38.6	39.0
Intermediate	12.3	12.8	12.8	12.3	13.0	13.4	13.6	13.6	8.8	8.8
Inadequate	10.4	10.8	10.8	10.3	10.5	11.4	11.2	12.3	16.8	16.8
No Care	0.6	0.6	0.6	0.5	0.4	0.6	0.5	1.1	1.3	1.4

*Because of birth certificate revisions in 2007, Kotelchuck data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Adequacy of Prenatal Care Utilization (Kotelchuck Index)*

Black Population, Indiana Residents, 1999-2008

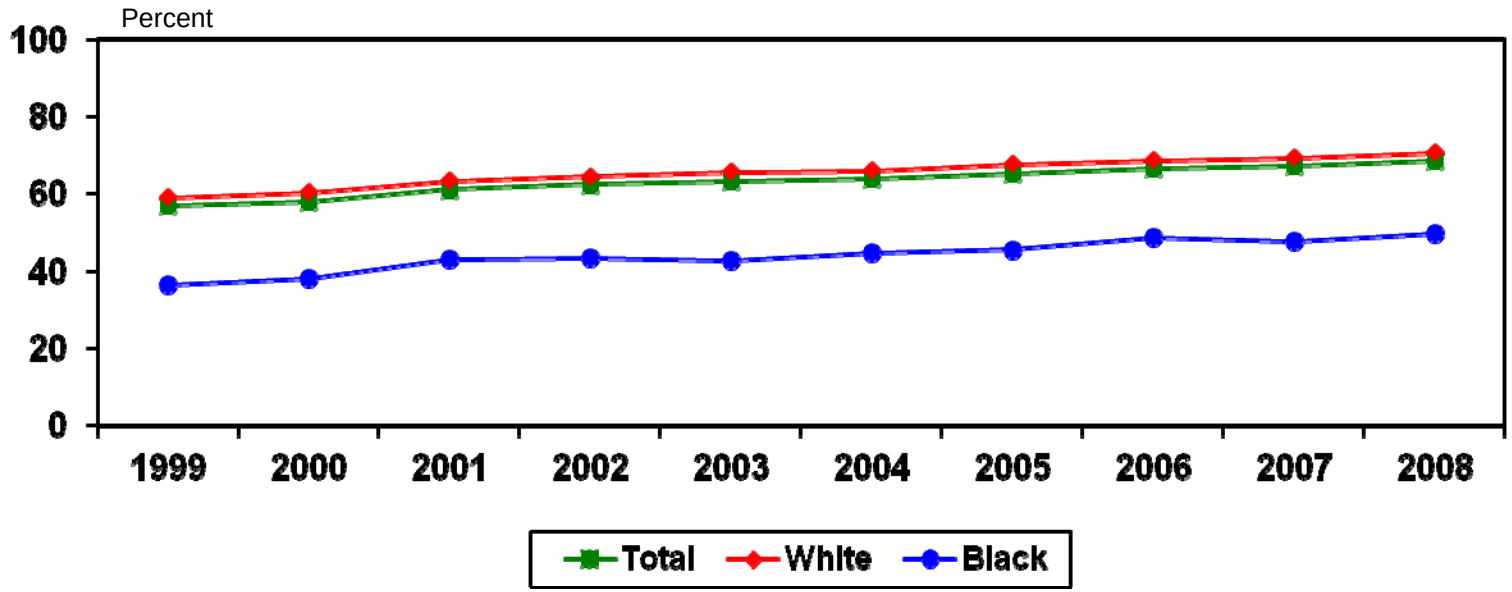


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Adequate Plus	31.3	30.7	30.5	31.6	31.4	31.4	32.0	28.2	28.4	26.7
Adequate	32.2	33.0	33.0	32.6	32.6	32.5	31.3	31.1	27.7	28.6
Intermediate	12.7	13.5	14.1	13.7	14.1	14.3	13.4	14.9	10.9	11.7
Inadequate	21.7	20.7	20.2	19.8	19.7	19.4	21.3	22.5	29.3	28.0
No Care	2.1	2.1	2.1	2.4	2.1	2.4	2.1	3.3	3.8	5.1

*Because of birth certificate revisions in 2007, Kotelchuck data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Race

Indiana Residents, 1999-2008

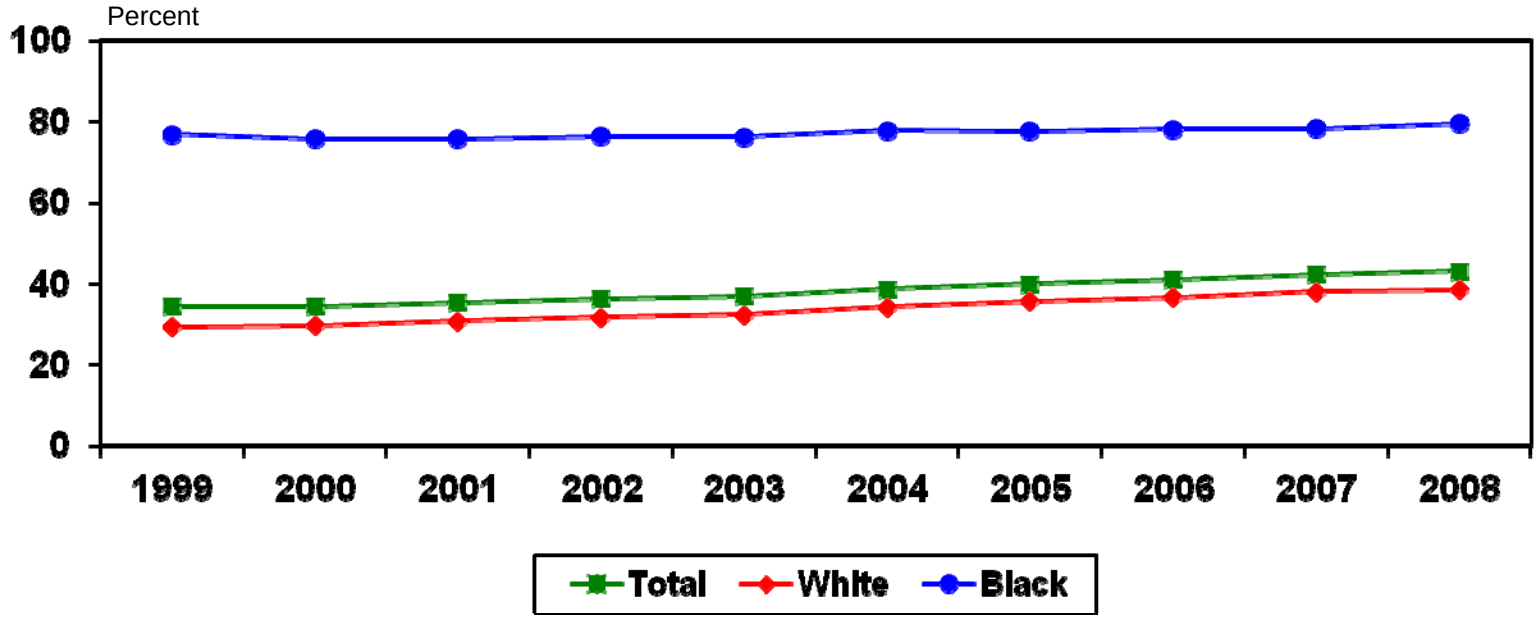


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	56.8	58.0	61.1	62.4	63.2	63.8	65.3	66.5	67.1	68.5
White	59.0	60.2	63.1	64.4	65.5	65.8	67.6	68.5	69.3	70.6
Black	36.4	38.1	42.9	43.5	42.6	44.6	45.5	48.7	47.6	49.6

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Live Births to Unmarried Mothers by Race of Mother

Indiana Residents, 1999-2008

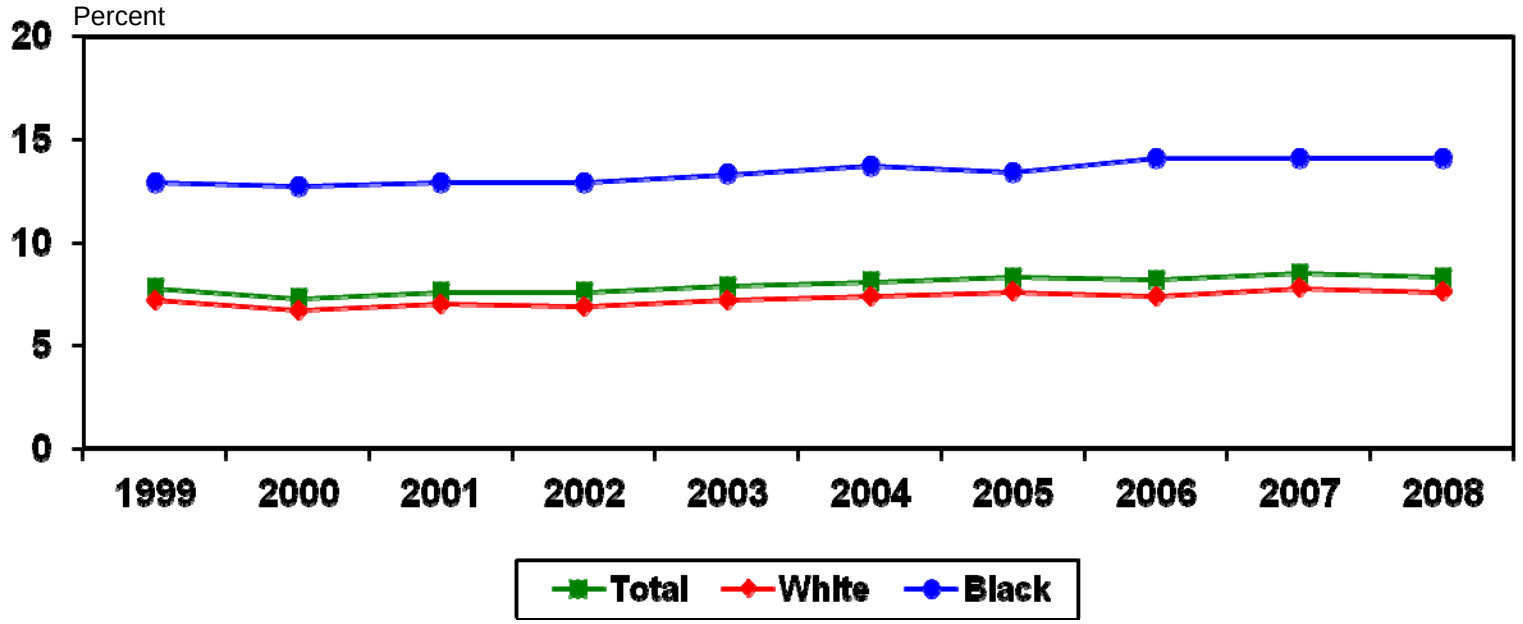


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	34.6	34.6	35.6	36.5	37.1	38.8	40.1	41.2	42.4	43.3
White	29.6	29.8	30.9	31.9	32.6	34.4	35.8	36.8	38.2	38.7
Black	77.0	75.9	75.8	76.5	76.3	77.9	77.7	78.2	78.4	79.6

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Low Birthweight Infants by Race of Mother

Indiana Residents, 1999-2008

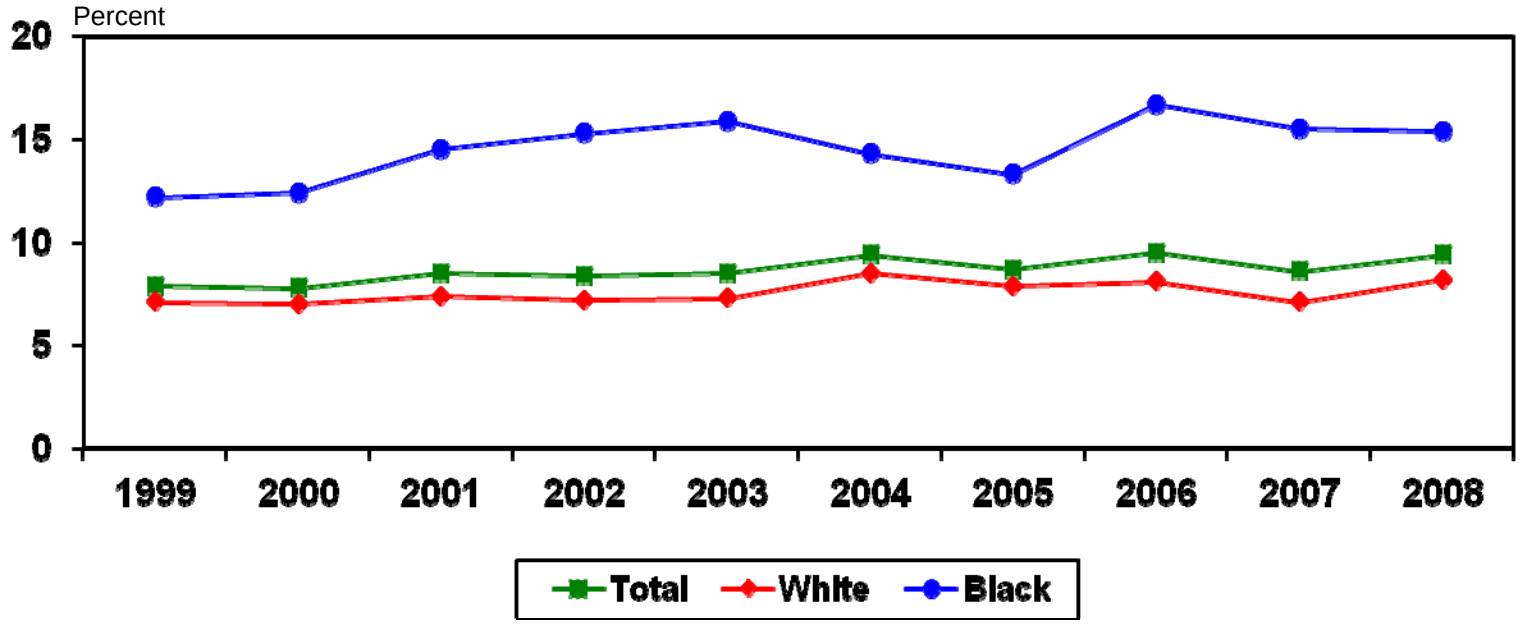


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.8	7.3	7.6	7.6	7.9	8.1	8.3	8.2	8.5	8.3
White	7.2	6.7	7.0	6.9	7.2	7.4	7.6	7.4	7.8	7.6
Black	12.9	12.7	12.9	12.9	13.3	13.7	13.4	14.1	14.1	14.1

Note: Low birthweight is less than 2,500 grams (5 lb 8 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Low Birthweight Infants by Race of Mother

Allen County Residents, 1999-2008

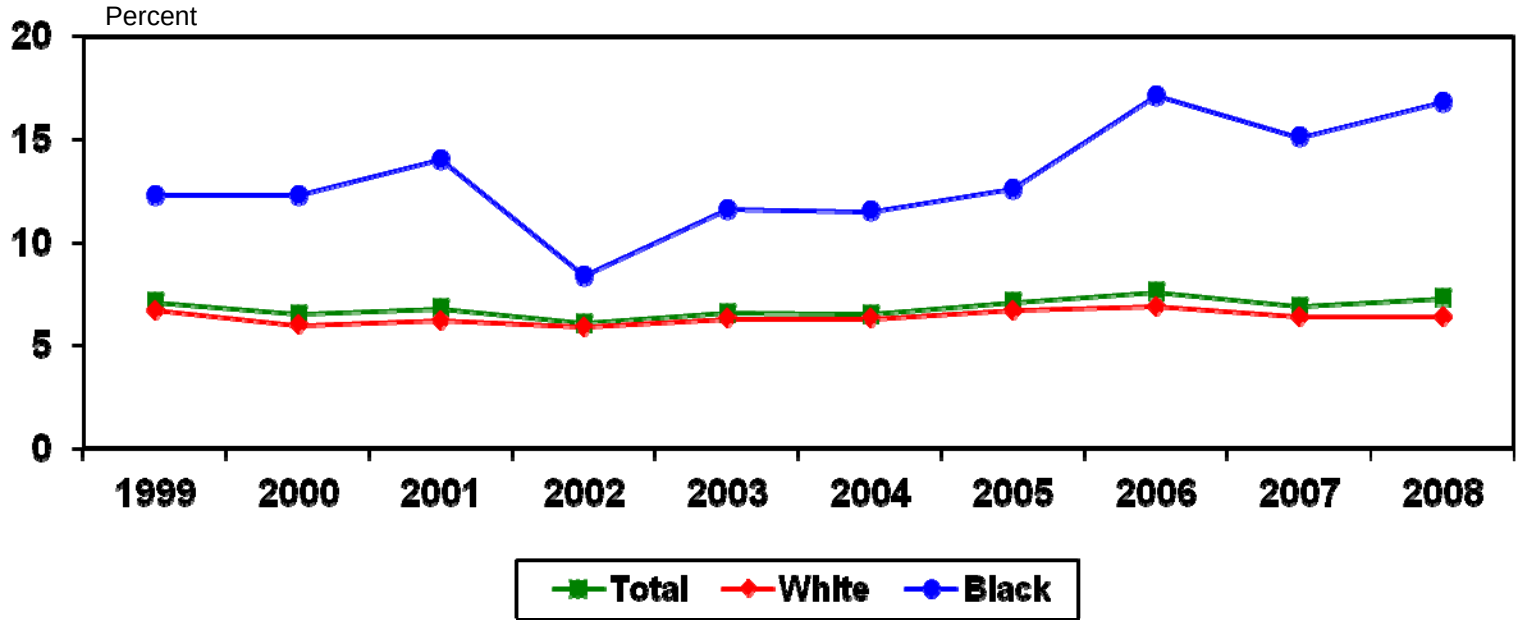


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.9	7.8	8.5	8.4	8.5	9.4	8.7	9.5	8.6	9.4
White	7.1	7.0	7.4	7.2	7.3	8.5	7.9	8.1	7.1	8.2
Black	12.2	12.4	14.5	15.3	15.9	14.3	13.3	16.7	15.5	15.4

Note: Low birthweight is less than 2,500 grams (5 lb 8 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Low Birthweight Infants by Race of Mother

Elkhart County Residents, 1999-2008

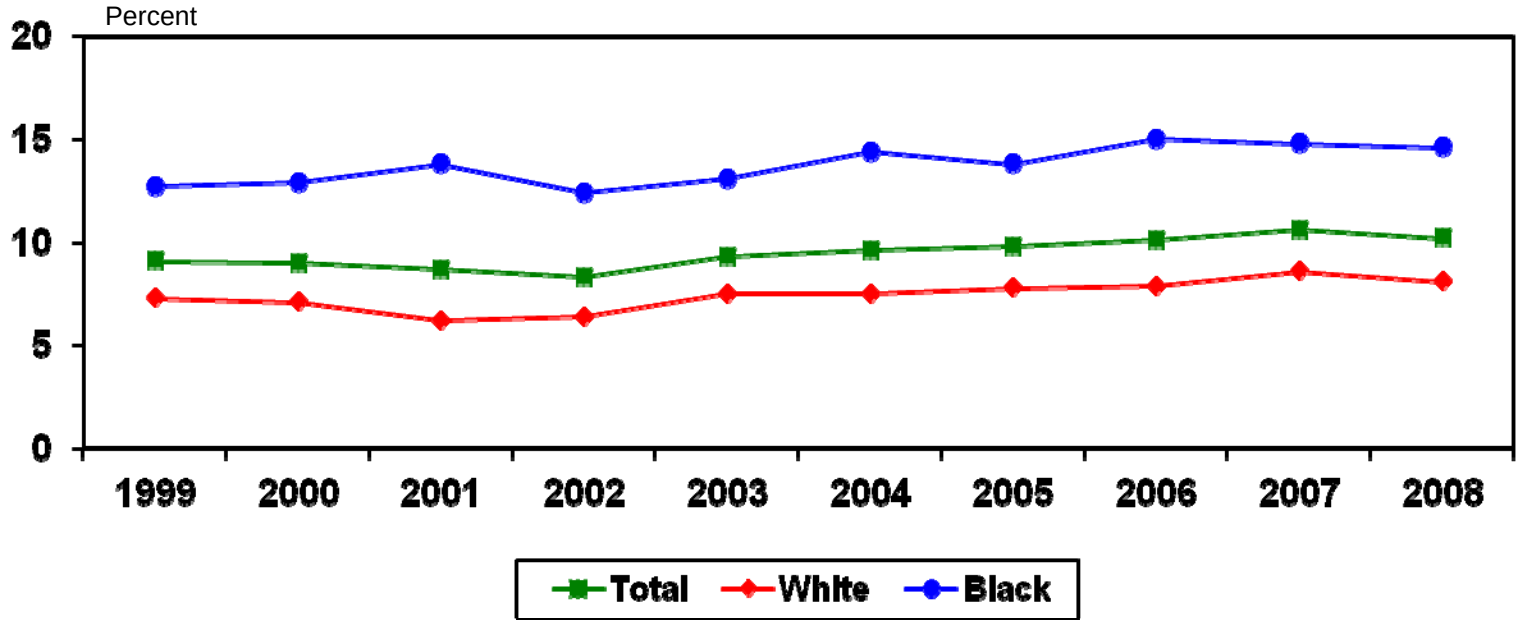


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.1	6.5	6.8	6.1	6.6	6.5	7.1	7.6	6.9	7.3
White	6.7	6.0	6.2	5.9	6.3	6.3	6.7	6.9	6.4	6.4
Black	12.3	12.3	14.0	**8.4***	11.6	11.5	12.6	17.1	15.1	16.8

*Numerator is less than 20, and the percent is unstable.
Note: Low birthweight is less than 2,500 grams (5 lb 8 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Low Birthweight Infants by Race of Mother

Lake County Residents, 1999-2008

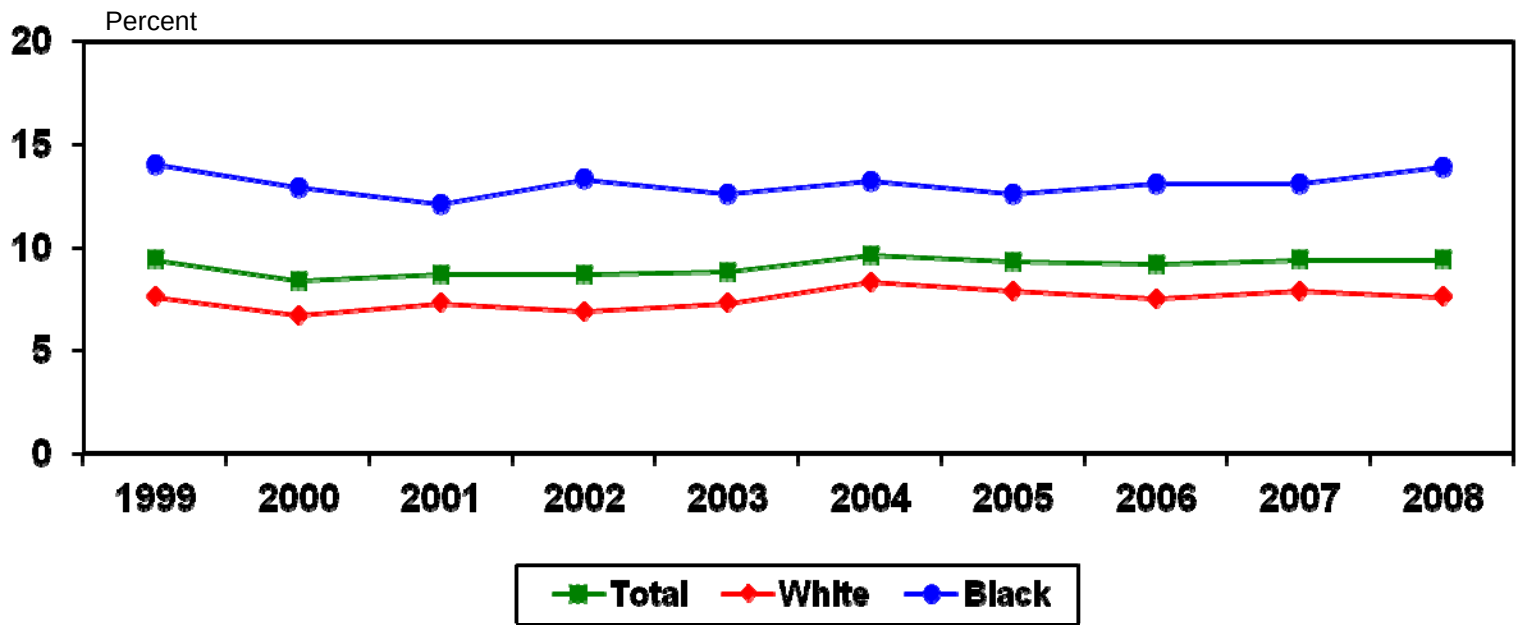


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	9.1	9.0	8.7	8.3	9.3	9.6	9.8	10.1	10.6	10.2
White	7.3	7.1	6.2	6.4	7.5	7.5	7.8	7.9	8.6	8.1
Black	12.7	12.9	13.8	12.4	13.1	14.4	13.8	15.0	14.8	14.6

Note: Low birthweight is less than 2,500 grams (5 lb 8 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Low Birthweight Infants by Race of Mother

Marion County Residents, 1999-2008

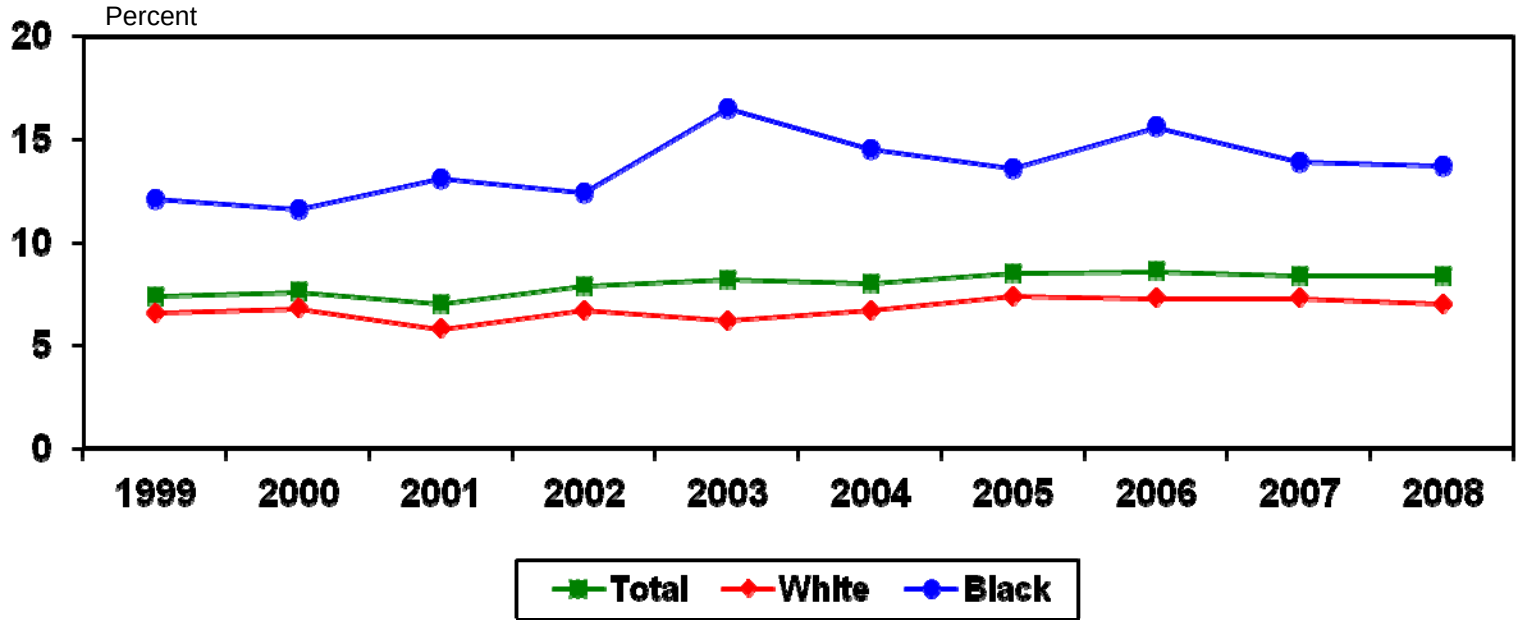


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	9.4	8.4	8.7	8.7	8.8	9.6	9.3	9.2	9.4	9.4
White	7.6	6.7	7.3	6.9	7.3	8.3	7.9	7.5	7.9	7.6
Black	14.0	12.9	12.1	13.3	12.6	13.2	12.6	13.1	13.1	13.9

Note: Low birthweight is less than 2,500 grams (5 lb 8 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Low Birthweight Infants by Race of Mother

St. Joseph County Residents, 1999-2008

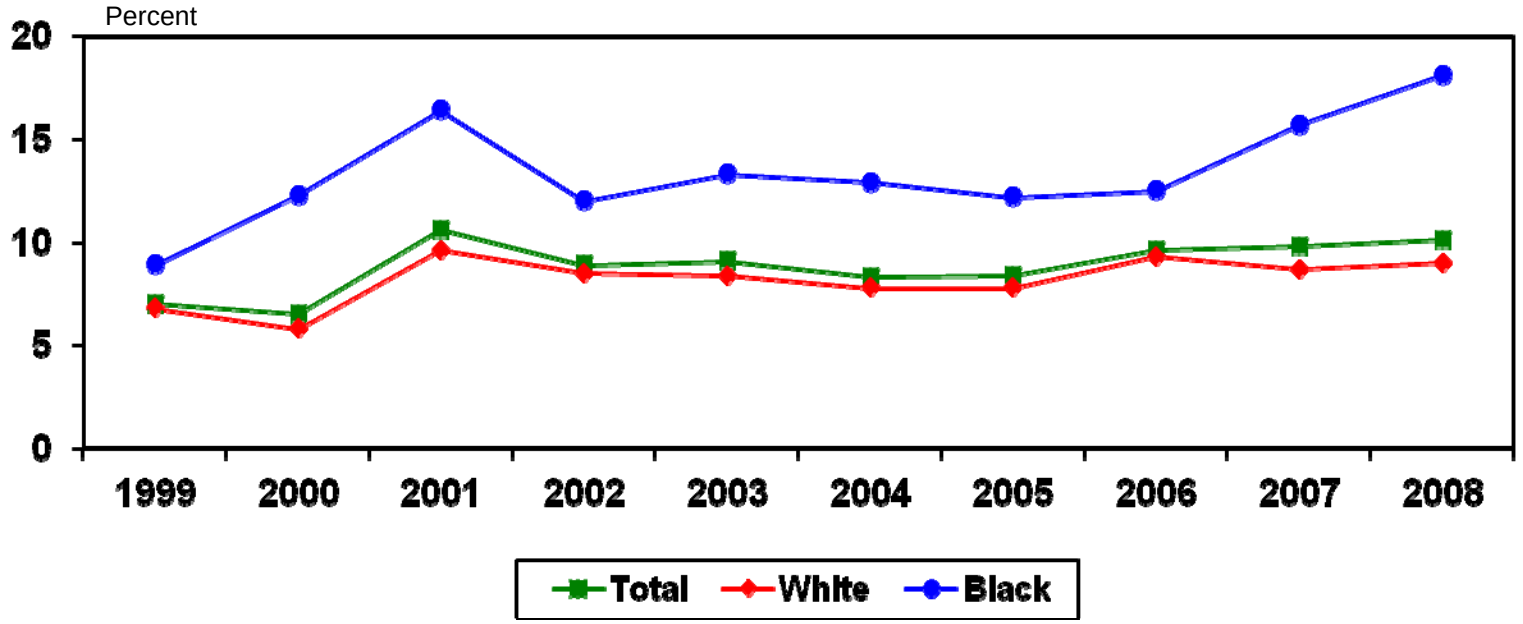


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.4	7.6	7.0	7.9	8.2	8.0	8.5	8.6	8.4	8.4
White	6.6	6.8	5.8	6.7	6.2	6.7	7.4	7.3	7.3	7.0
Black	12.1	11.6	13.1	12.4	16.5	14.5	13.6	15.6	13.9	13.7

Note: Low birthweight is less than 2,500 grams (5 lb 8 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Low Birthweight Infants by Race of Mother

Vanderburgh County Residents, 1999-2008

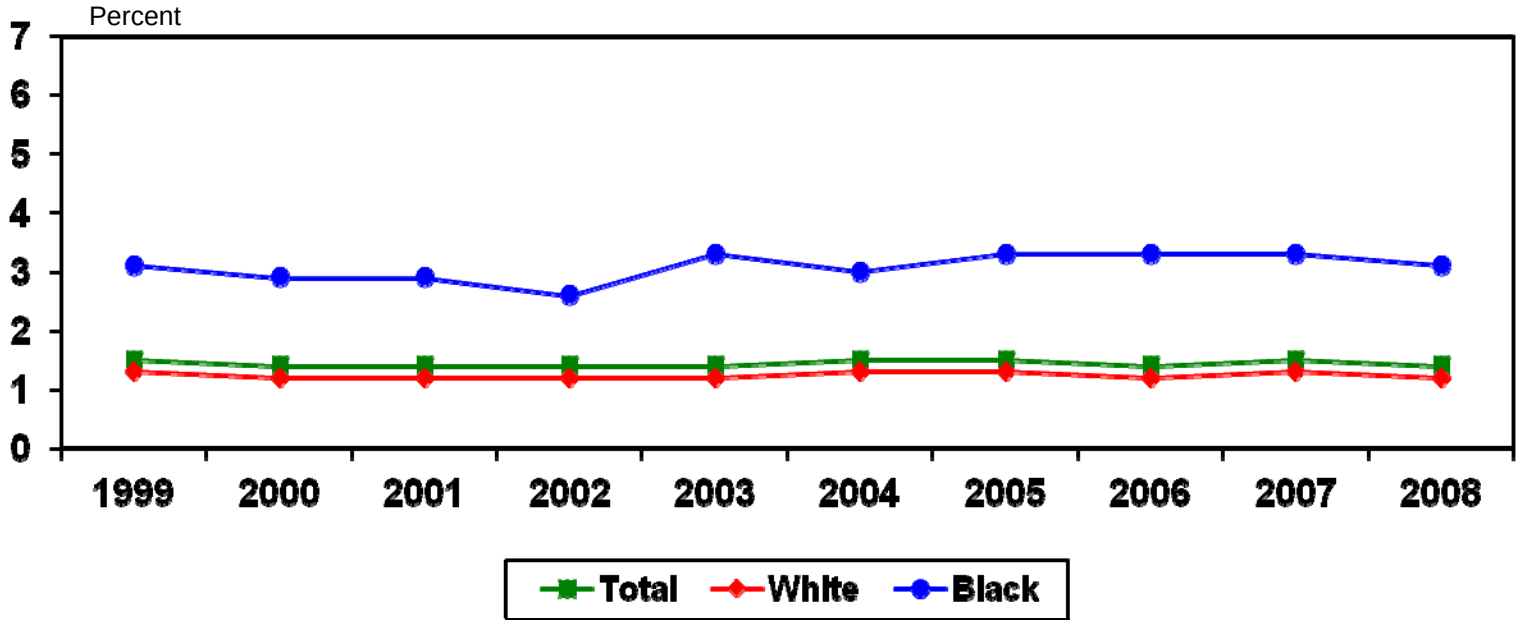


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.0	6.5	10.6	8.9	9.1	8.3	8.4	9.6	9.8	10.1
White	6.8	5.8	9.6	8.5	8.4	7.8	7.8	9.3	8.7	9.0
Black	8.9	12.3	16.4	12.0	13.3	12.9	12.2	12.5	15.7	18.1

Note: Low birthweight is less than 2,500 grams (5 lb 8 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Very Low Birthweight Infants by Race of Mother

Indiana Residents, 1999-2008

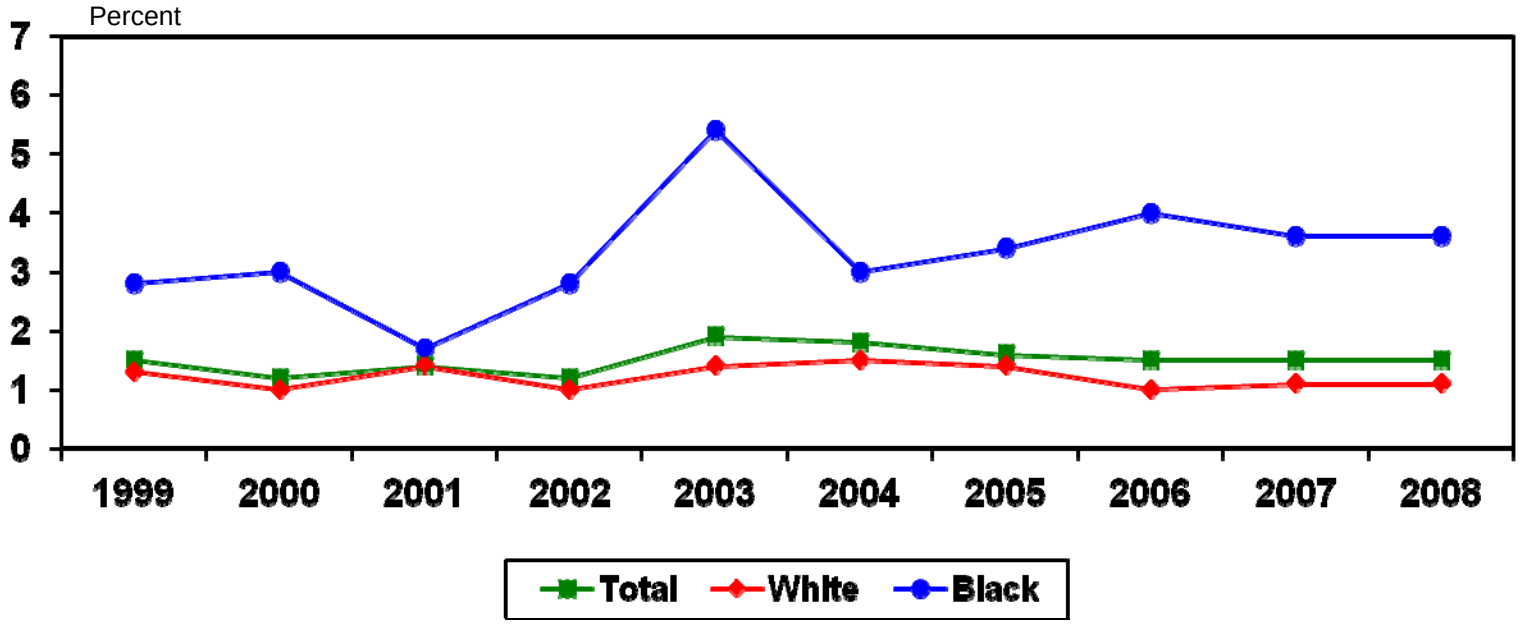


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.4	1.5	1.4
White	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.3	1.2
Black	3.1	2.9	2.9	2.6	3.3	3.0	3.3	3.3	3.3	3.1

Note: Very low birthweight is less than 1,500 grams (3 lb 5 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Very Low Birthweight Infants by Race of Mother

Allen County Residents, 1999-2008

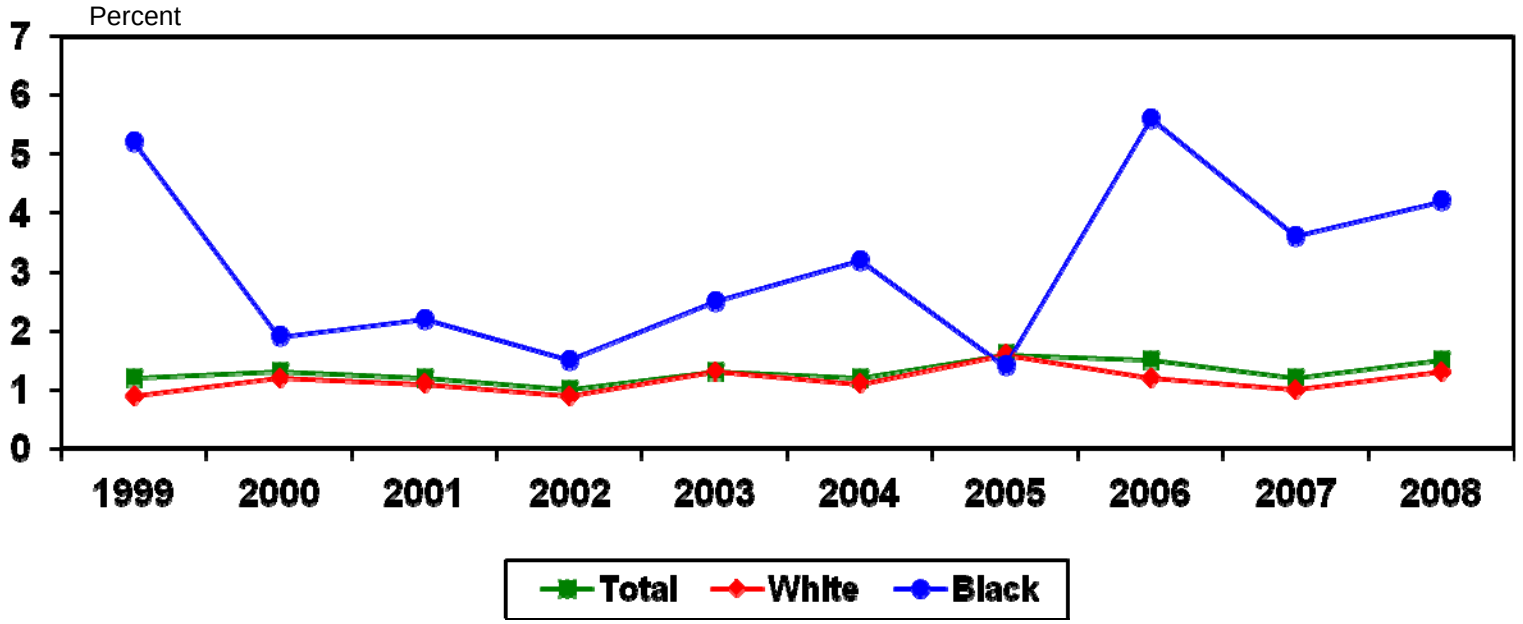


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	1.5	1.2	1.4	1.2	1.9	1.8	1.6	1.5	1.5	1.5
White	1.3	1.0	1.4	1.0	1.4	1.5	1.4	1.0	1.1	1.1
Black	2.8	3.0	**1.7***	2.8	5.4	3.0	3.4	4.0	3.6	3.6

*Numerator is less than 20, and the percent is unstable.
Note: Very low birthweight is less than 1,500 grams (3 lb 5 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Very Low Birthweight Infants by Race of Mother

Elkhart County Residents, 1999-2008

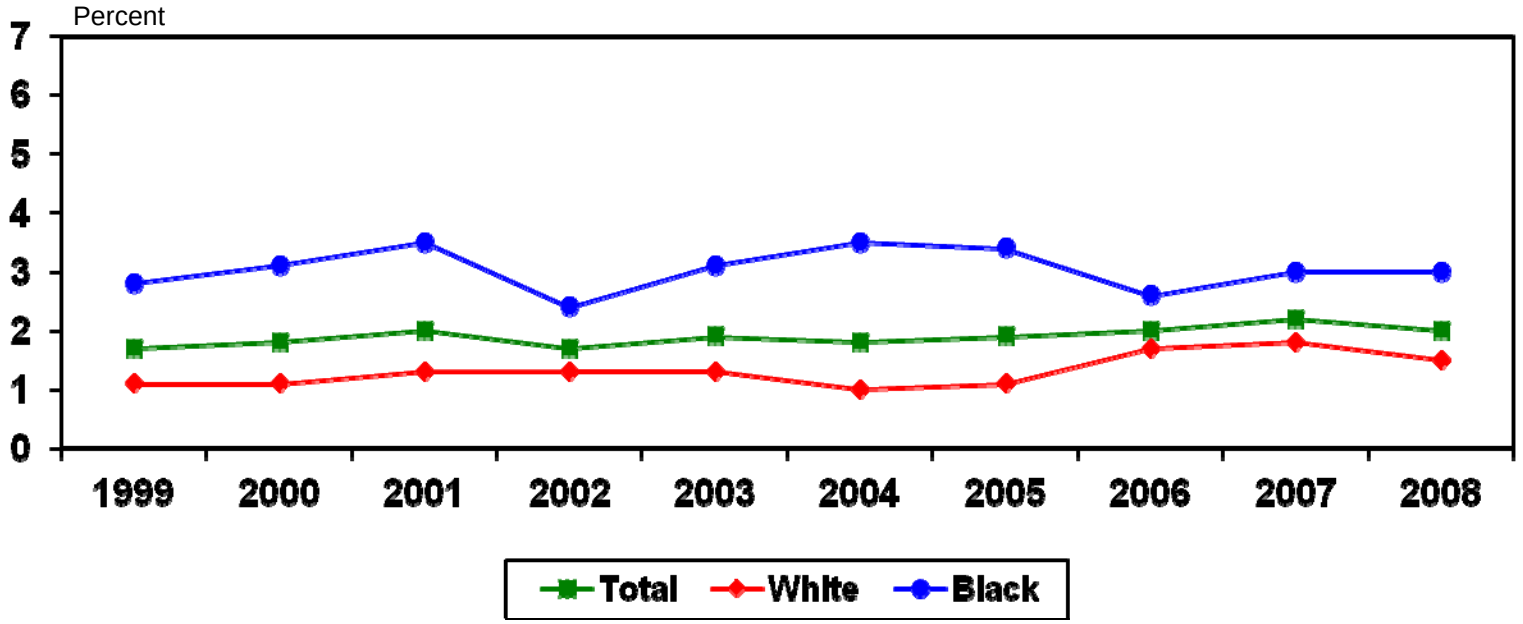


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	1.2	1.3	1.2	1.0	1.3	1.2	1.6	1.5	1.2	1.5
White	0.9	1.2	1.1	0.9	1.3	1.1	1.6	1.2	1.0	1.3
Black	**5.2***	**1.9***	**2.2***	**1.5***	**2.5***	**3.2***	**1.4***	**5.6***	**3.6***	**4.2***

*Numerator is less than 20, and the percent is unstable.
Note: Very low birthweight is less than 1,500 grams (3 lb 5 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Very Low Birthweight Infants by Race of Mother

Lake County Residents, 1999-2008

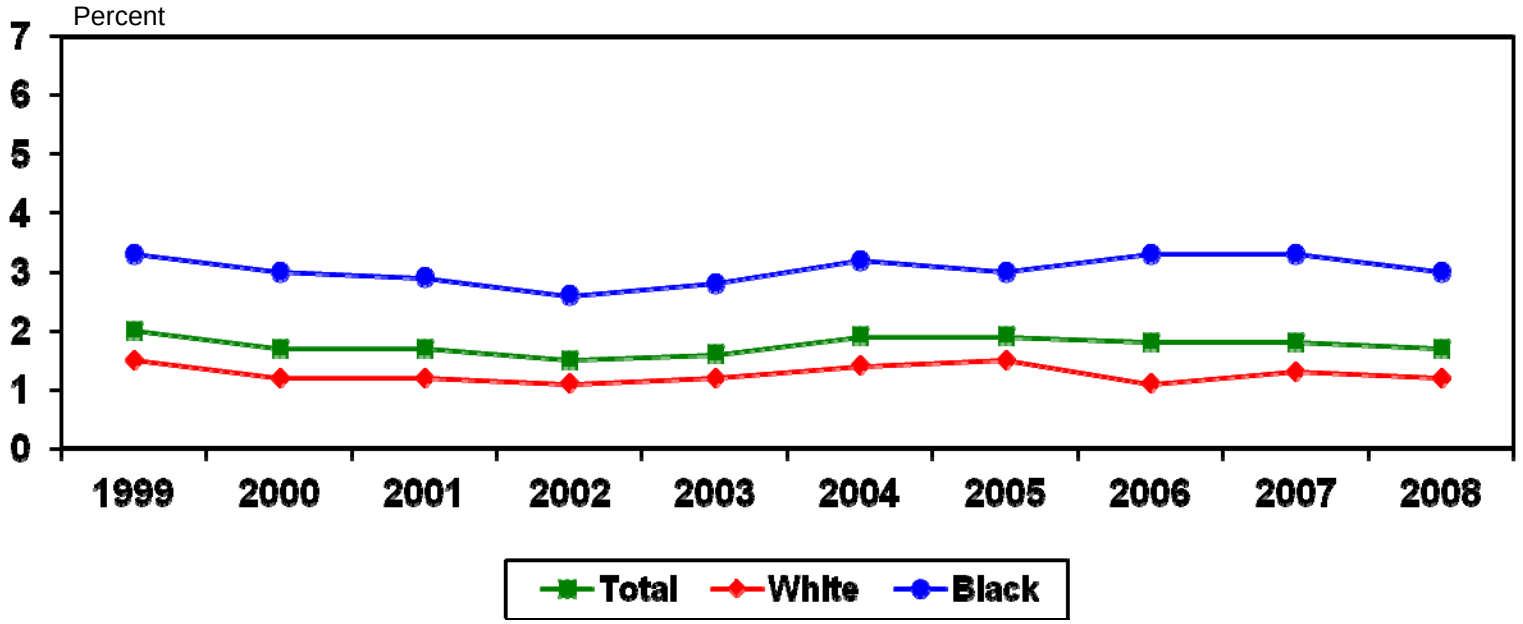


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	1.7	1.8	2.0	1.7	1.9	1.8	1.9	2.0	2.2	2.0
White	1.1	1.1	1.3	1.3	1.3	1.0	1.1	1.7	1.8	1.5
Black	2.8	3.1	3.5	2.4	3.1	3.5	3.4	2.6	3.0	3.0

Note: Very low birthweight is less than 1,500 grams (3 lb 5 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Very Low Birthweight Infants by Race of Mother

Marion County Residents, 1999-2008

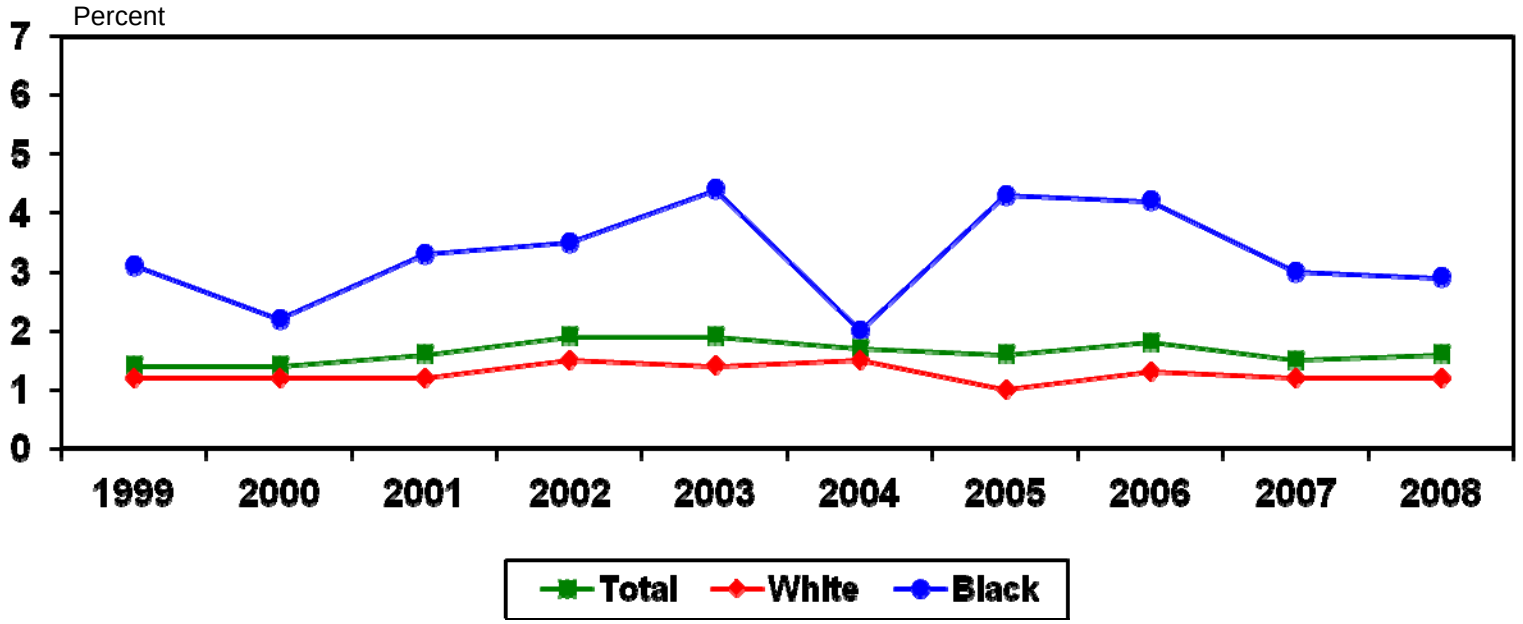


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	2.0	1.7	1.7	1.5	1.6	1.9	1.9	1.8	1.8	1.7
White	1.5	1.2	1.2	1.1	1.2	1.4	1.5	1.1	1.3	1.2
Black	3.3	3.0	2.9	2.6	2.8	3.2	3.0	3.3	3.3	3.0

Note: Very low birthweight is less than 1,500 grams (3 lb 5 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Very Low Birthweight Infants by Race of Mother

St. Joseph County Residents, 1999-2008

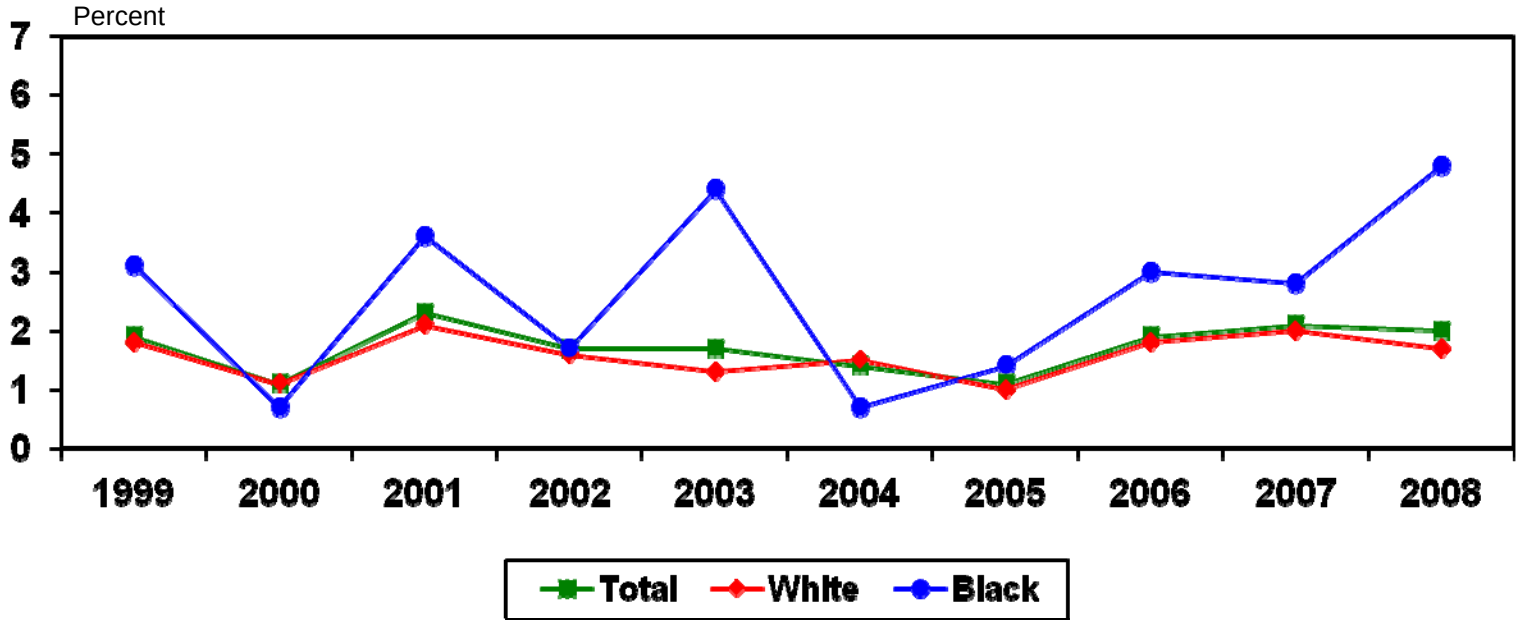


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	1.4	1.4	1.6	1.9	1.9	1.7	1.6	1.8	1.5	1.6
White	1.2	1.2	1.2	1.5	1.4	1.5	1.0	1.3	1.2	1.2
Black	**3.1***	**2.2***	3.3	3.5	4.4	**2.0***	4.3	4.2	3.0	2.9

*Numerator is less than 20, and the percent is unstable.
Note: Very low birthweight is less than 1,500 grams (3 lb 5 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Very Low Birthweight Infants by Race of Mother

Vanderburgh County Residents, 1999-2008

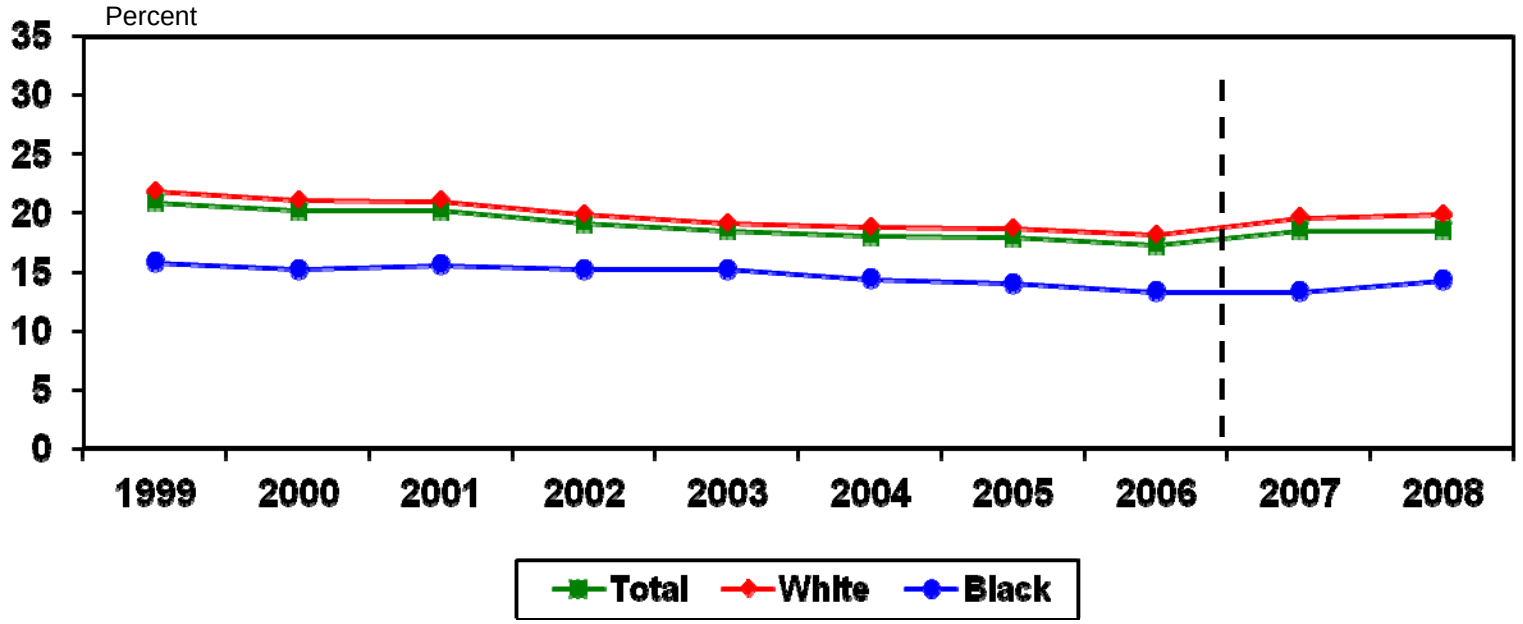


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	1.9	1.1	2.3	1.7	1.7	1.4	1.1	1.9	2.1	2.0
White	1.8	1.1	2.1	1.6	1.3	1.5	1.0	1.8	2.0	1.7
Black	**3.1***	**0.7***	**3.6***	**1.7***	**4.4***	**0.7***	**1.4***	**3.0***	**2.8***	**4.8***

*Numerator is less than 20, and the percent is unstable.
Note: Very low birthweight is less than 1,500 grams (3 lb 5 oz).
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Births to Mothers Who Smoked During Pregnancy*, by Race

Indiana Residents, 1999-2008



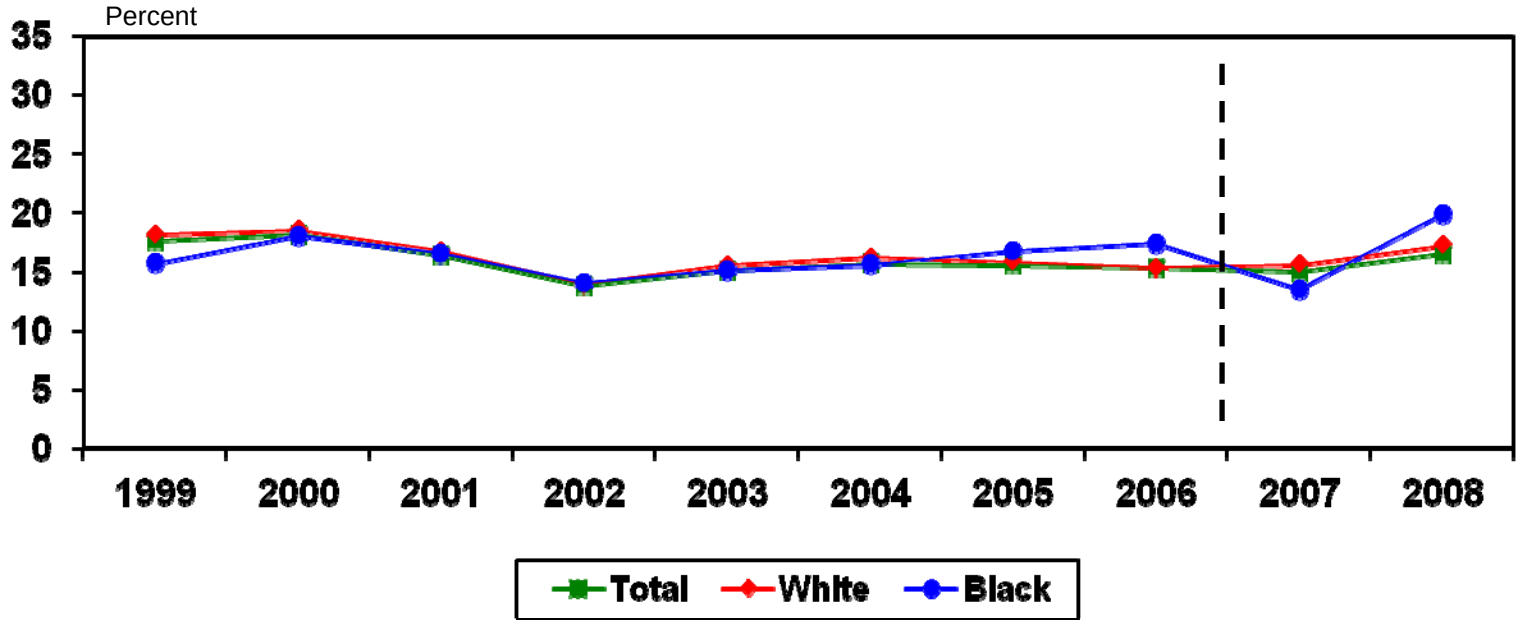
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	20.9	20.2	20.2	19.1	18.5	18.0	17.9	17.3	18.5	18.5
White	21.8	21.1	21.0	19.9	19.1	18.8	18.7	18.1	19.6	19.9
Black	15.8	15.2	15.6	15.2	15.2	14.4	14.0	13.3	13.3	14.3

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

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Births to Mothers Who Smoked During Pregnancy*, by Race

Allen County Residents, 1999-2008



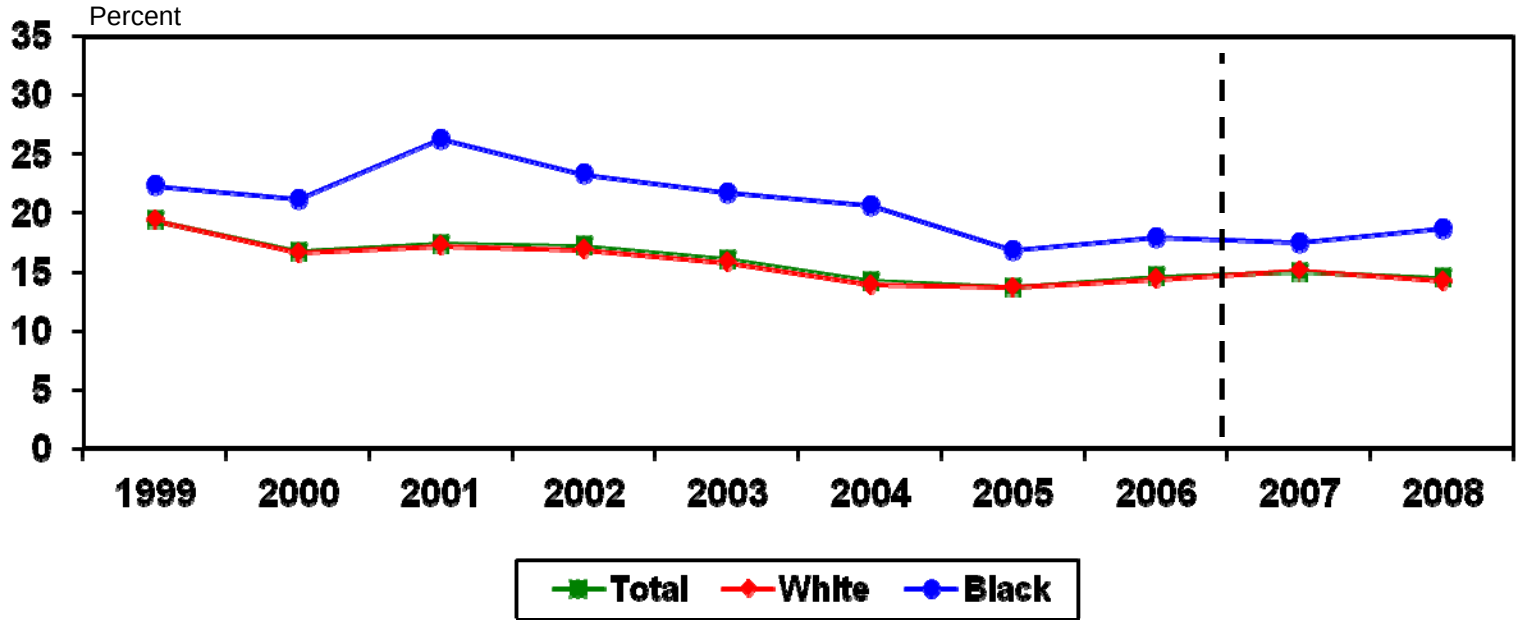
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	17.6	18.1	16.4	13.8	15.1	15.7	15.6	15.3	15.0	16.5
White	18.1	18.5	16.7	13.9	15.5	16.2	15.8	15.3	15.6	17.2
Black	15.7	18.0	16.5	14.0	15.1	15.6	16.7	17.4	13.5	19.9

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

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Births to Mothers Who Smoked During Pregnancy*, by Race

Elkhart County Residents, 1999-2008



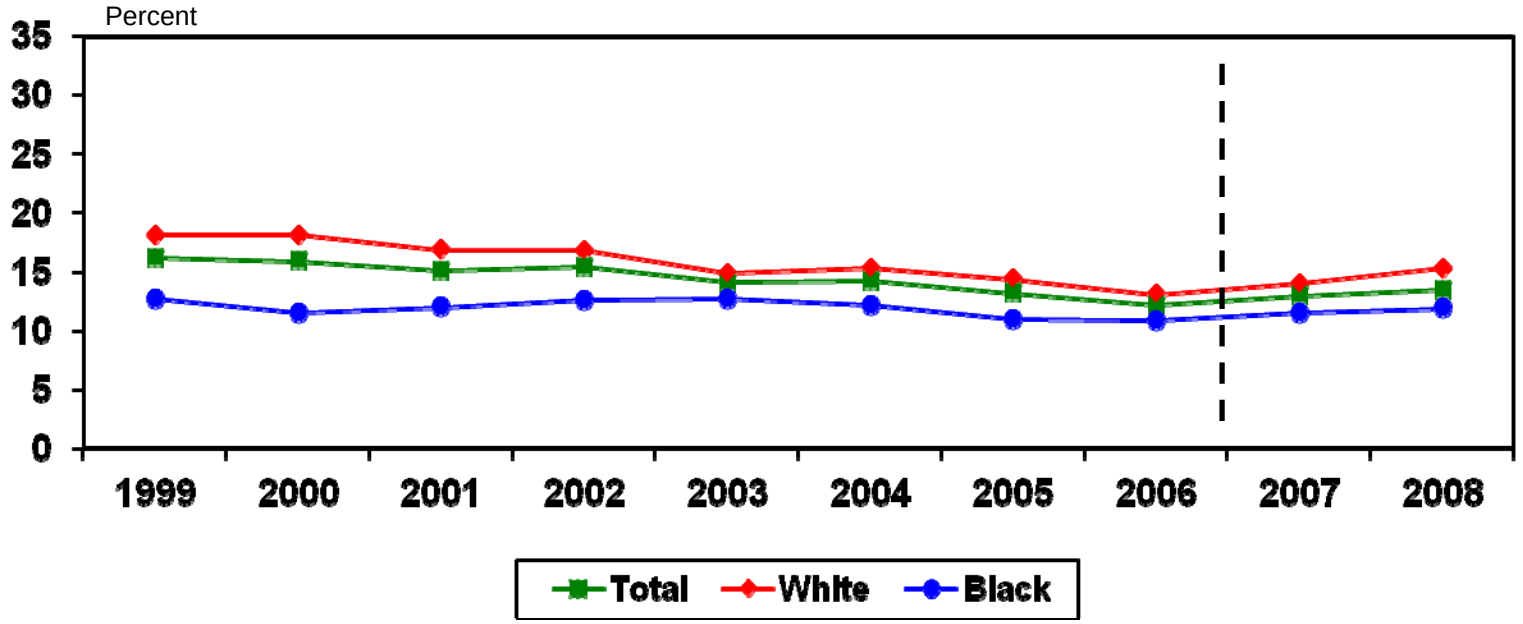
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	19.4	16.7	17.4	17.2	16.1	14.2	13.7	14.6	15.0	14.5
White	19.4	16.6	17.2	16.9	15.8	13.9	13.7	14.4	15.1	14.2
Black	22.3	21.2	26.3	23.3	21.7	20.6	16.8	17.9	17.5	18.7

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

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Births to Mothers Who Smoked During Pregnancy*, by Race

Lake County Residents, 1999-2008



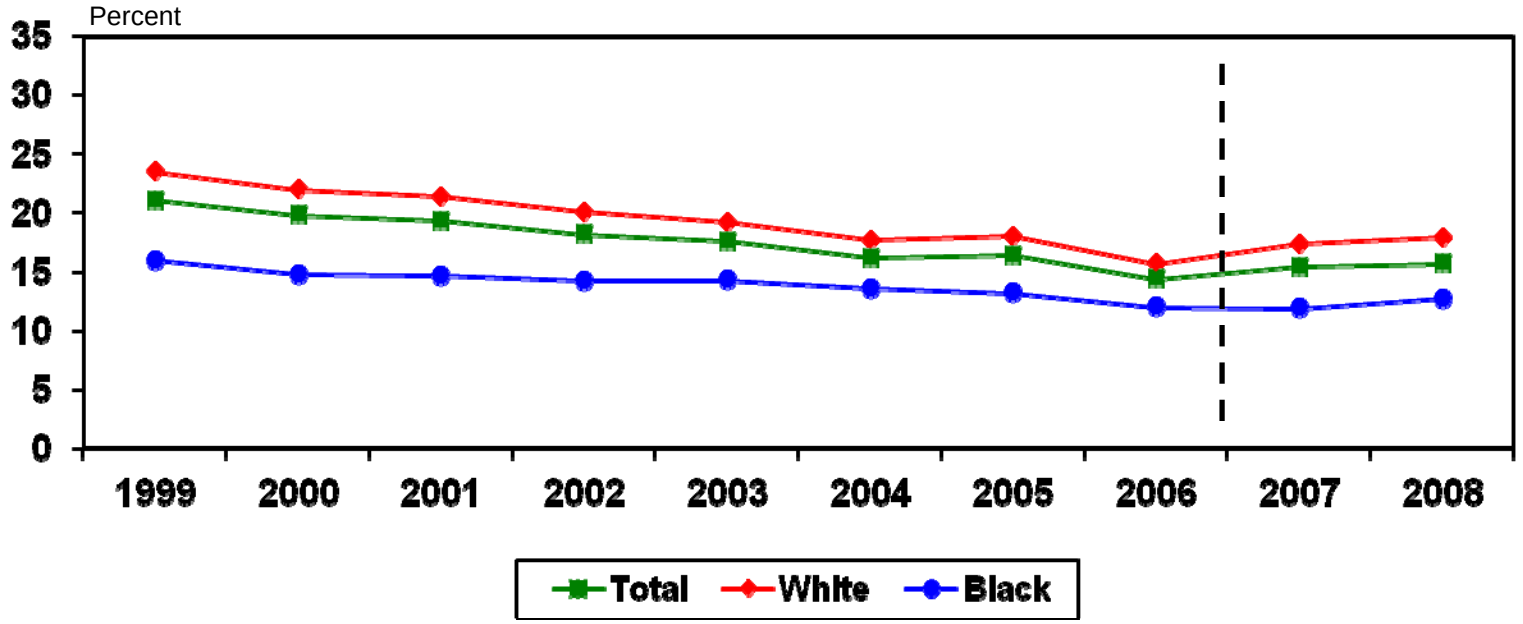
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	16.2	15.9	15.1	15.4	14.1	14.2	13.2	12.2	13.0	13.5
White	18.1	18.1	16.9	16.8	14.9	15.3	14.4	13.1	14.0	15.3
Black	12.7	11.5	12.0	12.6	12.7	12.2	11.0	10.9	11.5	11.9

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

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Births to Mothers Who Smoked During Pregnancy*, by Race

Marion County Residents, 1999-2008



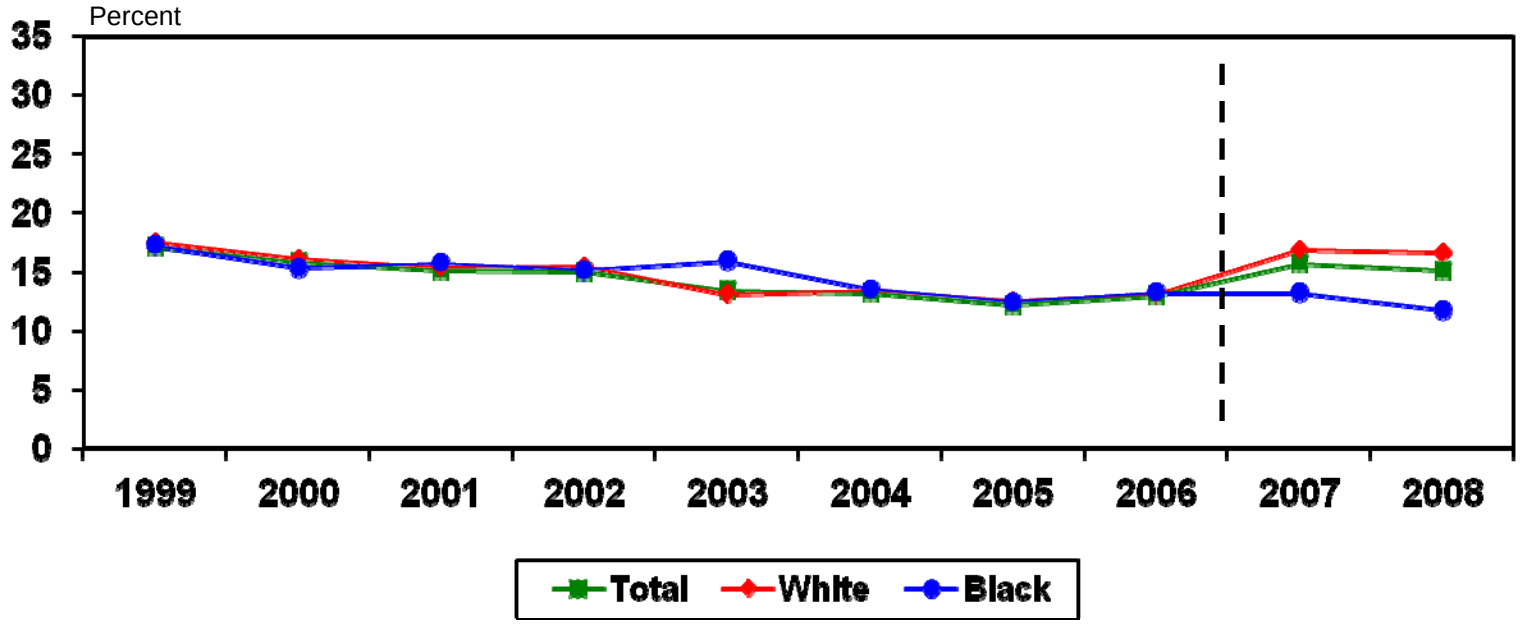
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	21.1	19.8	19.3	18.2	17.6	16.2	16.4	14.4	15.4	15.7
White	23.5	22.0	21.4	20.1	19.2	17.7	18.0	15.7	17.4	17.9
Black	16.0	14.8	14.7	14.2	14.3	13.6	13.2	12.0	11.9	12.7

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

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Births to Mothers Who Smoked During Pregnancy*, by Race

St. Joseph County Residents, 1999-2008



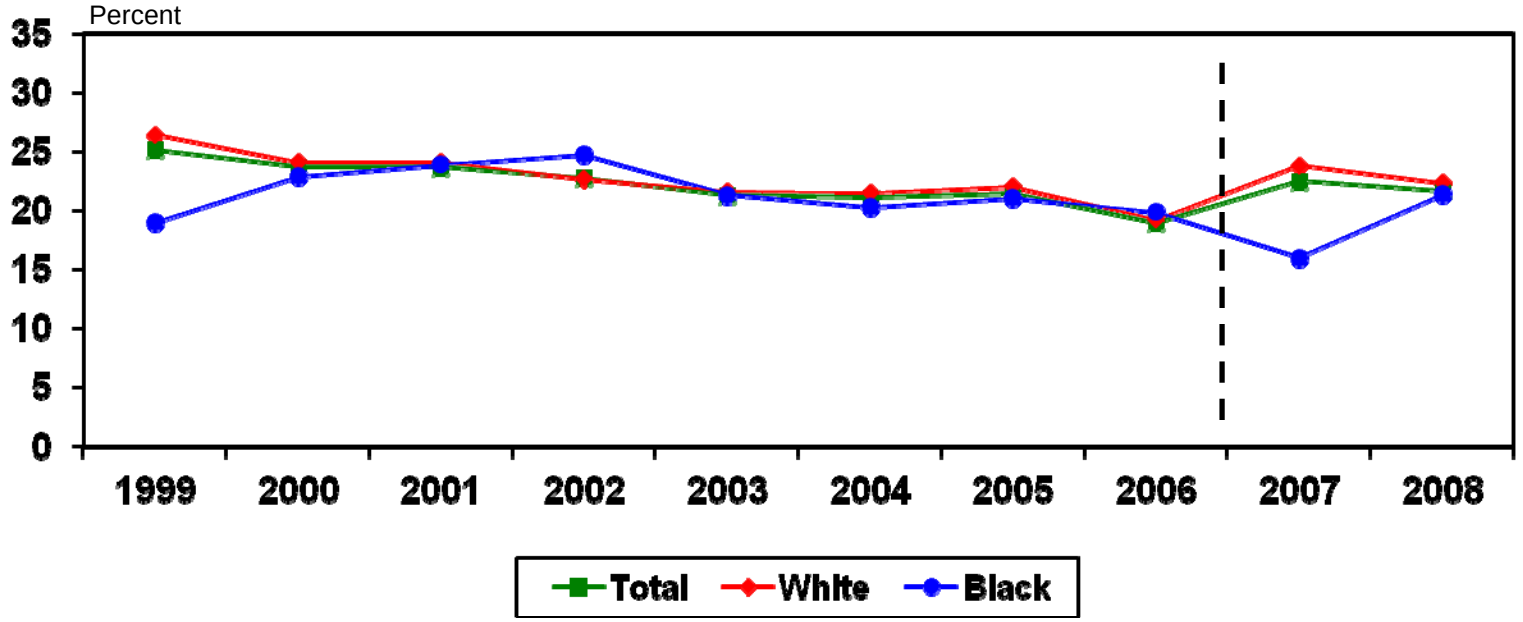
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	17.1	15.8	15.1	15.0	13.4	13.2	12.2	13.0	15.7	15.1
White	17.5	16.1	15.3	15.4	13.1	13.4	12.5	13.1	16.8	16.6
Black	17.2	15.3	15.7	15.1	15.9	13.5	12.4	13.2	13.2	11.7

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

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Births to Mothers Who Smoked During Pregnancy*, by Race

Vanderburgh County Residents, 1999-2008

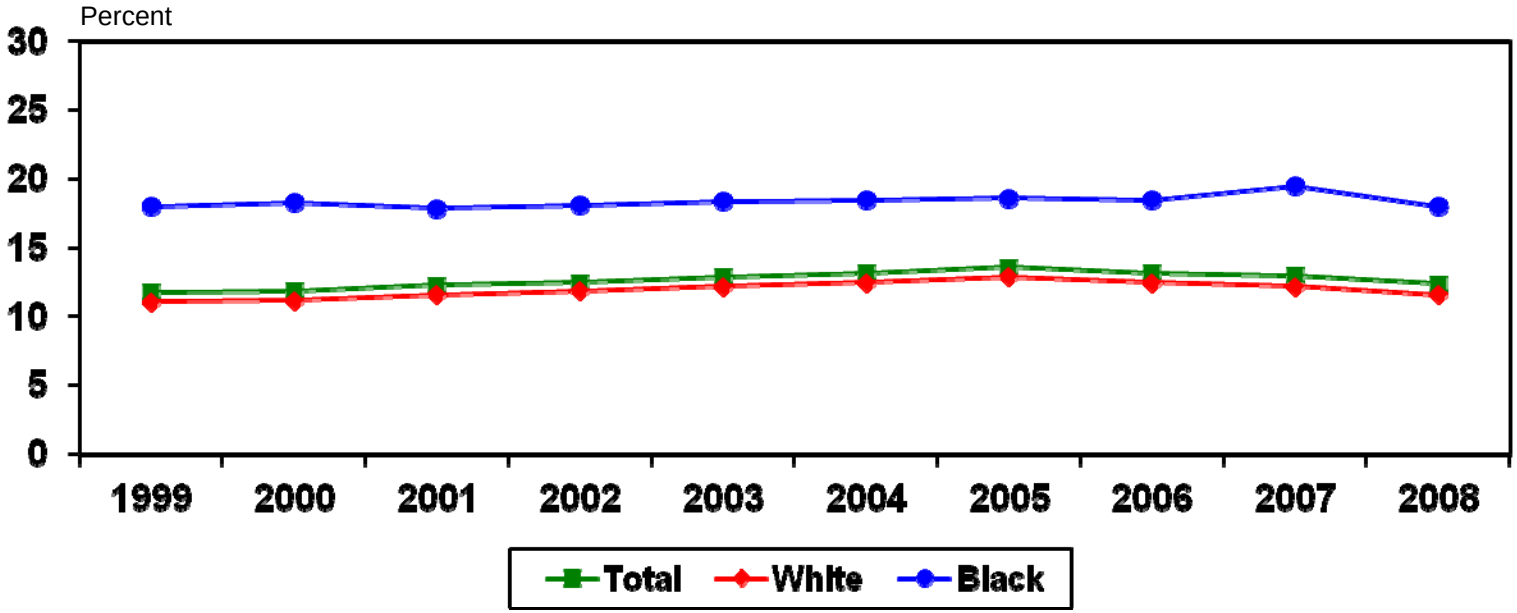


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	25.2	23.7	23.7	22.8	21.3	21.1	21.5	19.0	22.5	21.7
White	26.4	24.1	24.1	22.7	21.6	21.5	22.0	19.2	23.8	22.3
Black	19.0	22.9	23.9	24.7	21.3	20.3	21.0	19.8	16.0	21.4

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

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

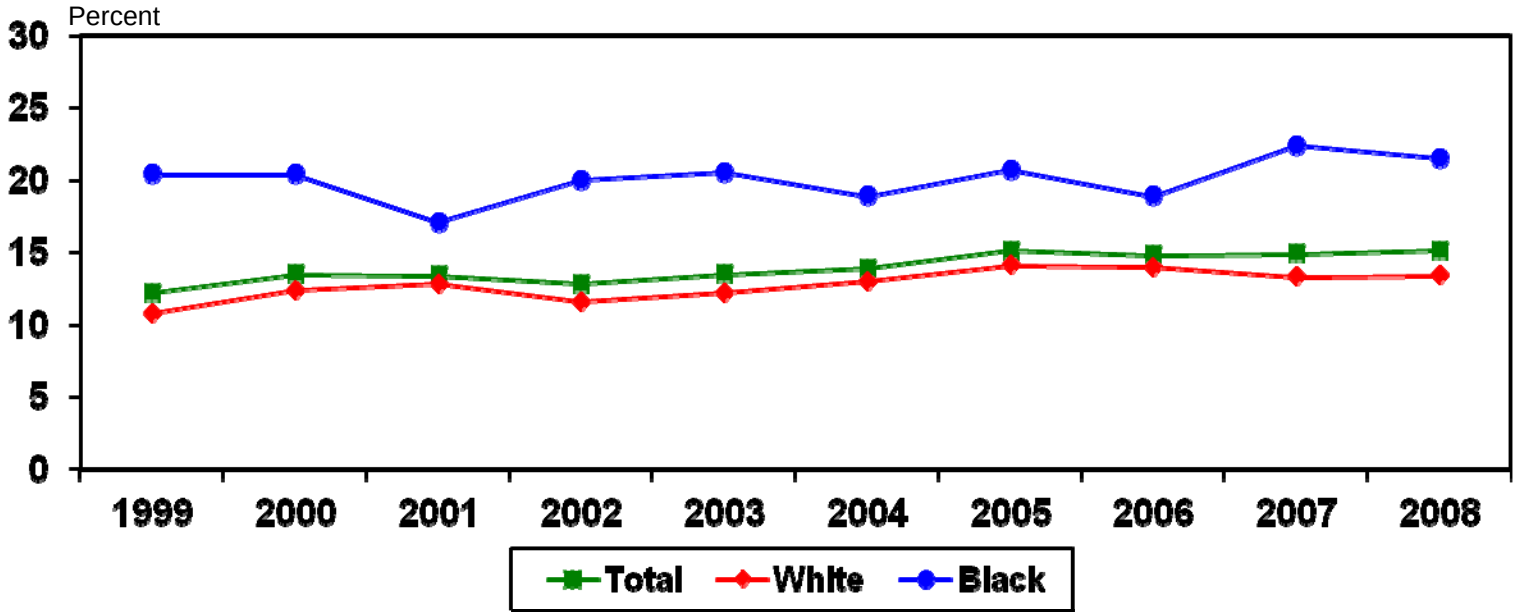
Percent of Preterm Births**
by Race of Mother
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	11.8	11.9	12.3	12.5	12.9	13.2	13.6	13.2	13.0	12.4
White	11.1	11.2	11.6	11.9	12.2	12.5	12.9	12.5	12.2	11.6
Black	18.0	18.3	17.9	18.1	18.4	18.5	18.6	18.5	19.5	18.0

**Preterm birth data in this table are not comparable to preterm data provided in the 1997-2006 MCH Outcomes report and prior reports, or in the 2008 Indiana Natality Report and prior reports, because the data were calculated differently. Please see Preface for more details. Preterm data in this table are comparable to preterm data provided by the March of Dimes and NCHS.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

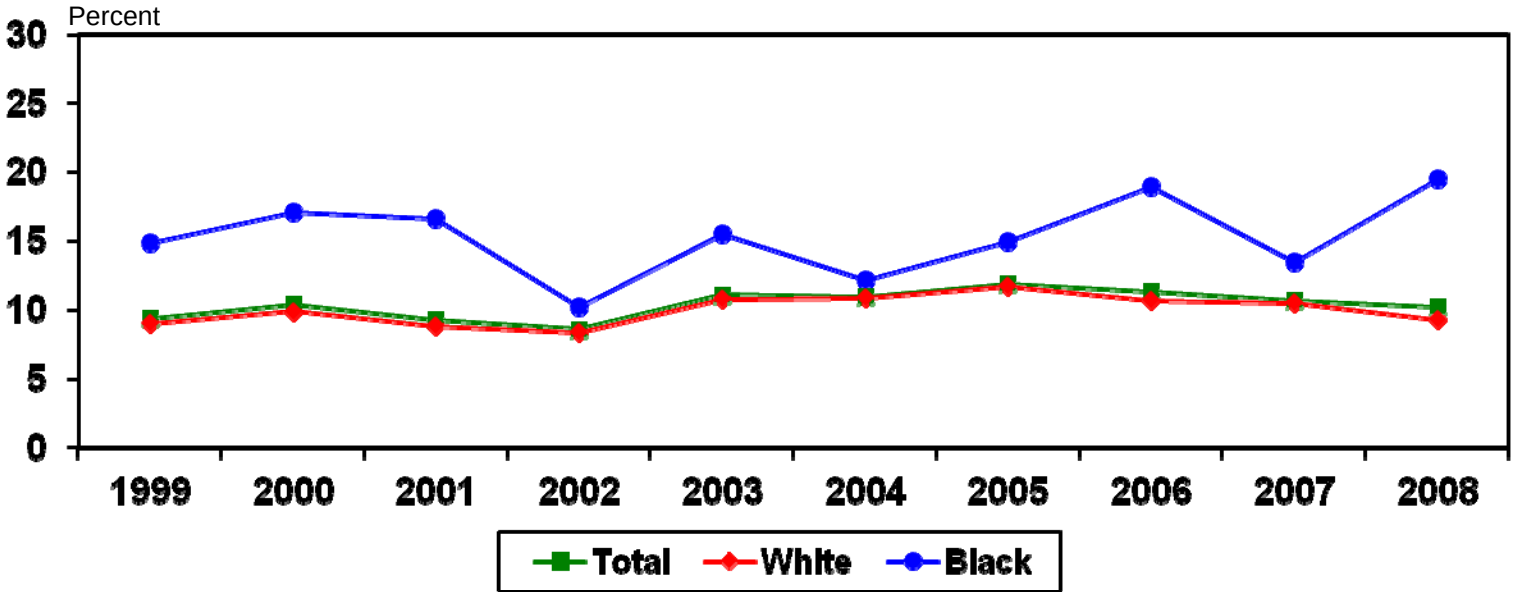
Percent of Preterm Births**
by Race of Mother
Allen County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	12.2	13.5	13.4	12.8	13.5	13.9	15.1	14.8	14.9	15.1
White	10.8	12.4	12.8	11.6	12.2	13.0	14.1	14.0	13.3	13.4
Black	20.4	20.4	17.1	20.0	20.5	18.9	20.7	18.9	22.4	21.5

**Preterm birth data in this table are not comparable to preterm data provided in the 1997-2006 MCH Outcomes report and prior reports, or in the 2008 Indiana Natality Report and prior reports, because the data were calculated differently. Please see Preface for more details. Preterm data in this table are comparable to preterm data provided by the March of Dimes and NCHS.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

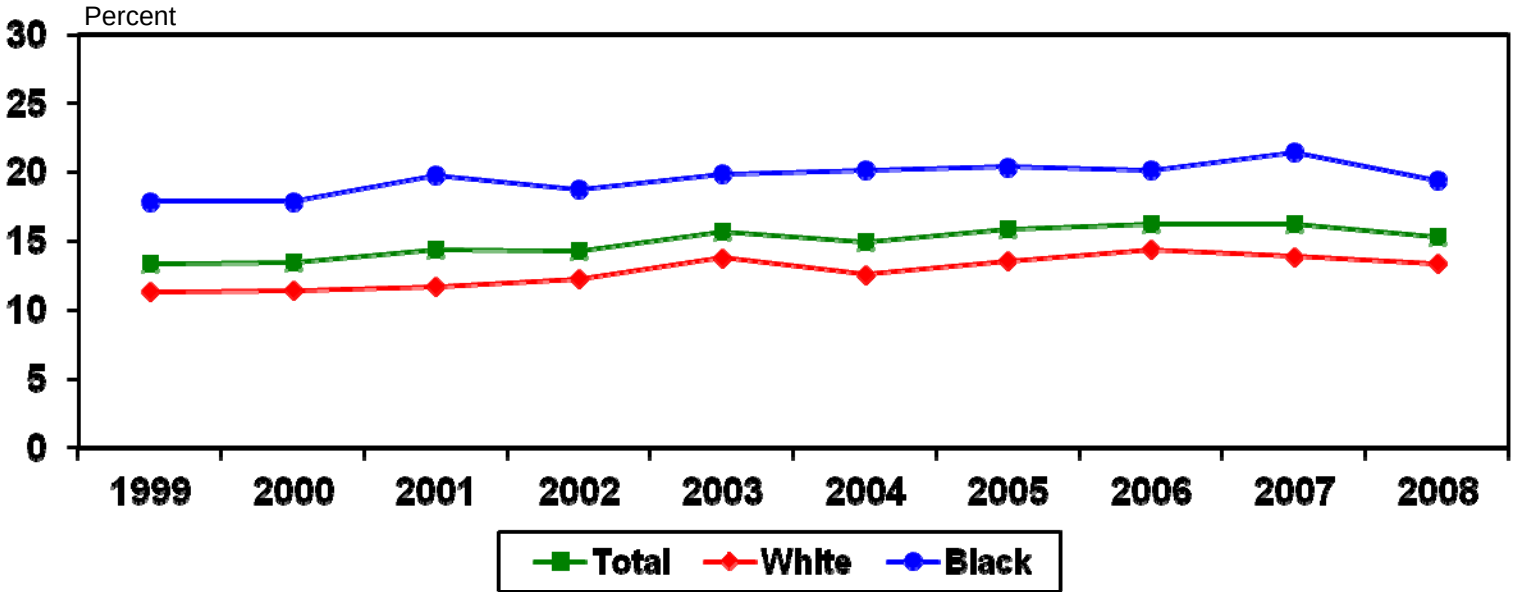
Percent of Preterm Births**
by Race of Mother
Elkhart County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	9.4	10.4	9.3	8.6	11.1	11.0	11.9	11.3	10.7	10.2
White	9.0	9.9	8.8	8.4	10.8	10.9	11.7	10.7	10.5	9.3
Black	14.9	17.1	16.6	10.2	15.5	12.2	15.0	19.0	13.5	19.5

**Preterm birth data in this table are not comparable to preterm data provided in the 1997-2006 MCH Outcomes report and prior reports, or in the 2008 Indiana Natality Report and prior reports, because the data were calculated differently. Please see Preface for more details. Preterm data in this table are comparable to preterm data provided by the March of Dimes and NCHS.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

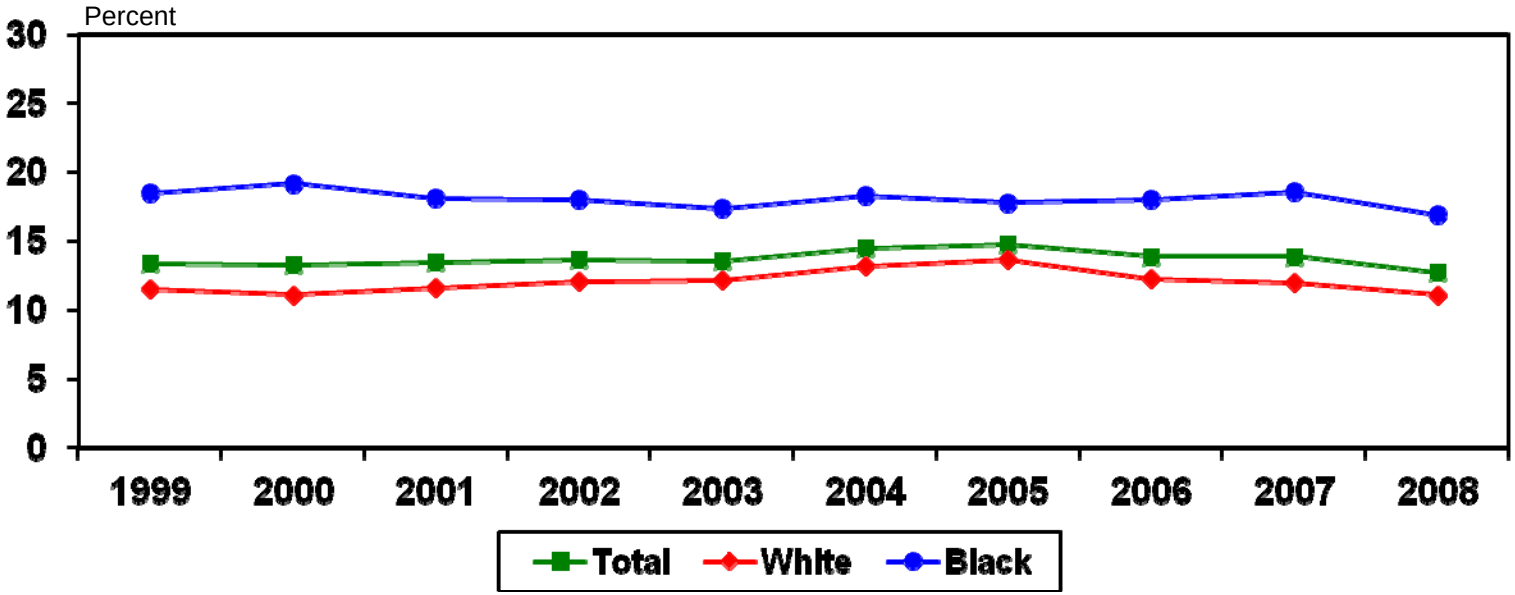
Percent of Preterm Births**
by Race of Mother
Lake County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	13.4	13.5	14.4	14.3	15.7	15.0	15.9	16.3	16.3	15.3
White	11.3	11.4	11.7	12.3	13.8	12.6	13.6	14.4	13.9	13.4
Black	17.9	17.9	19.8	18.8	19.9	20.2	20.4	20.2	21.5	19.4

**Preterm birth data in this table are not comparable to preterm data provided in the 1997-2006 MCH Outcomes report and prior reports, or in the 2008 Indiana Natality Report and prior reports, because the data were calculated differently. Please see Preface for more details. Preterm data in this table are comparable to preterm data provided by the March of Dimes and NCHS.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

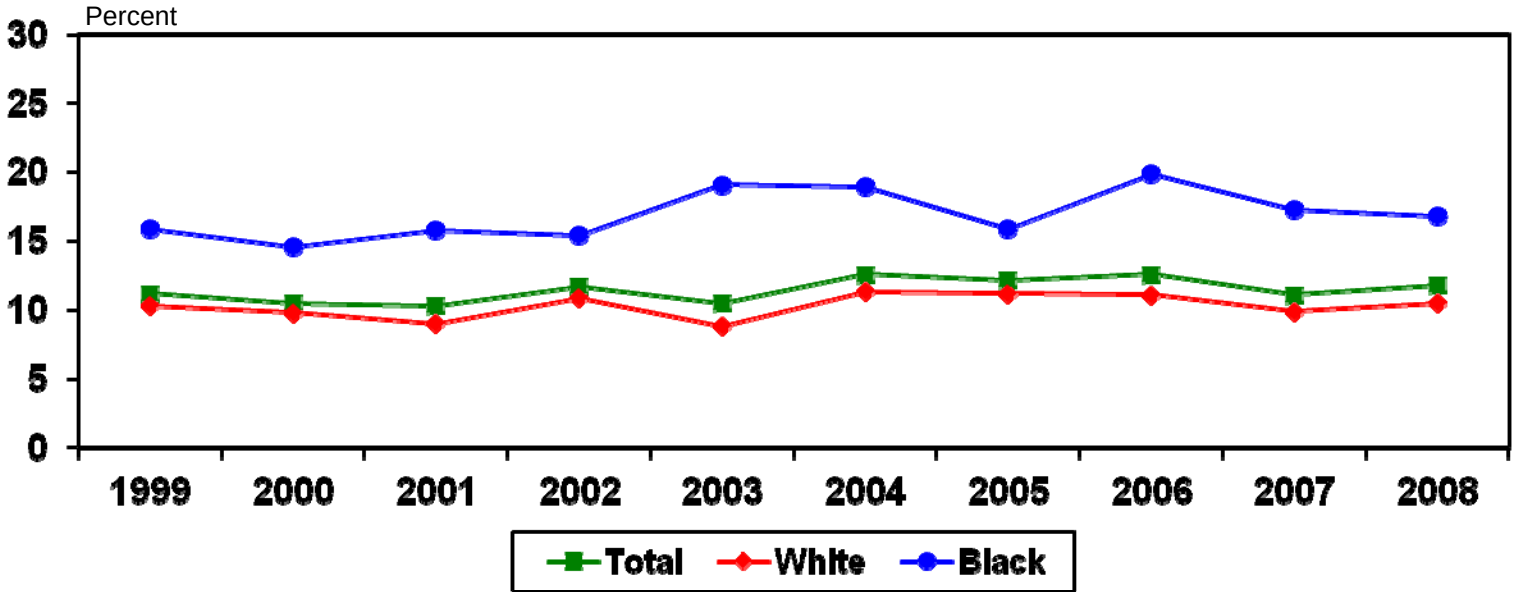
Percent of Preterm Births**
by Race of Mother
Marion County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	13.4	13.3	13.5	13.7	13.6	14.5	14.8	13.9	13.9	12.7
White	11.5	11.1	11.6	12.1	12.2	13.2	13.7	12.3	12.0	11.1
Black	18.5	19.2	18.1	18.0	17.4	18.3	17.8	18.0	18.6	16.9

**Preterm birth data in this table are not comparable to preterm data provided in the 1997-2006 MCH Outcomes report and prior reports, or in the 2008 Indiana Natality Report and prior reports, because the data were calculated differently. Please see Preface for more details. Preterm data in this table are comparable to preterm data provided by the March of Dimes and NCHS.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

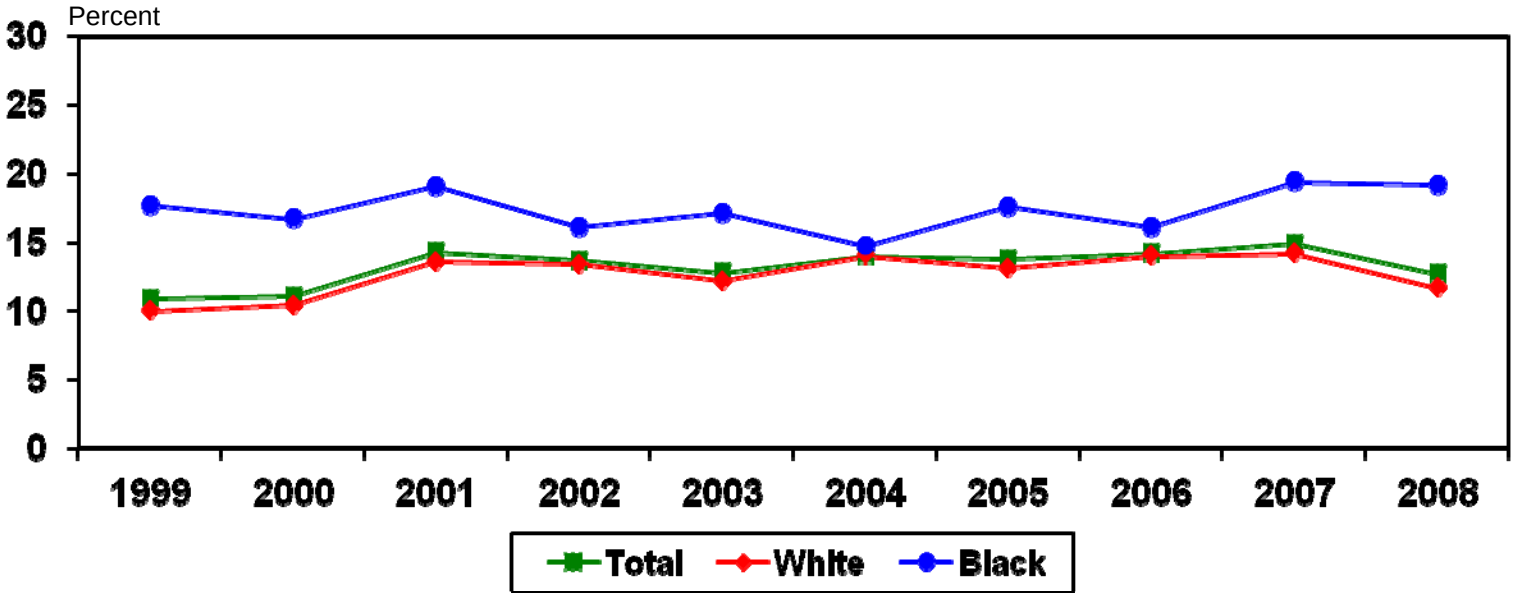
Percent of Preterm Births**
by Race of Mother
St. Joseph County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	11.2	10.5	10.3	11.7	10.5	12.6	12.2	12.6	11.1	11.8
White	10.3	9.8	9.0	10.9	8.8	11.3	11.2	11.1	9.9	10.5
Black	15.9	14.6	15.8	15.4	19.1	19.0	15.9	19.9	17.3	16.8

**Preterm birth data in this table are not comparable to preterm data provided in the 1997-2006 MCH Outcomes report and prior reports, or in the 2008 Indiana Natality Report and prior reports, because the data were calculated differently. Please see Preface for more details. Preterm data in this table are comparable to preterm data provided by the March of Dimes and NCHS.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

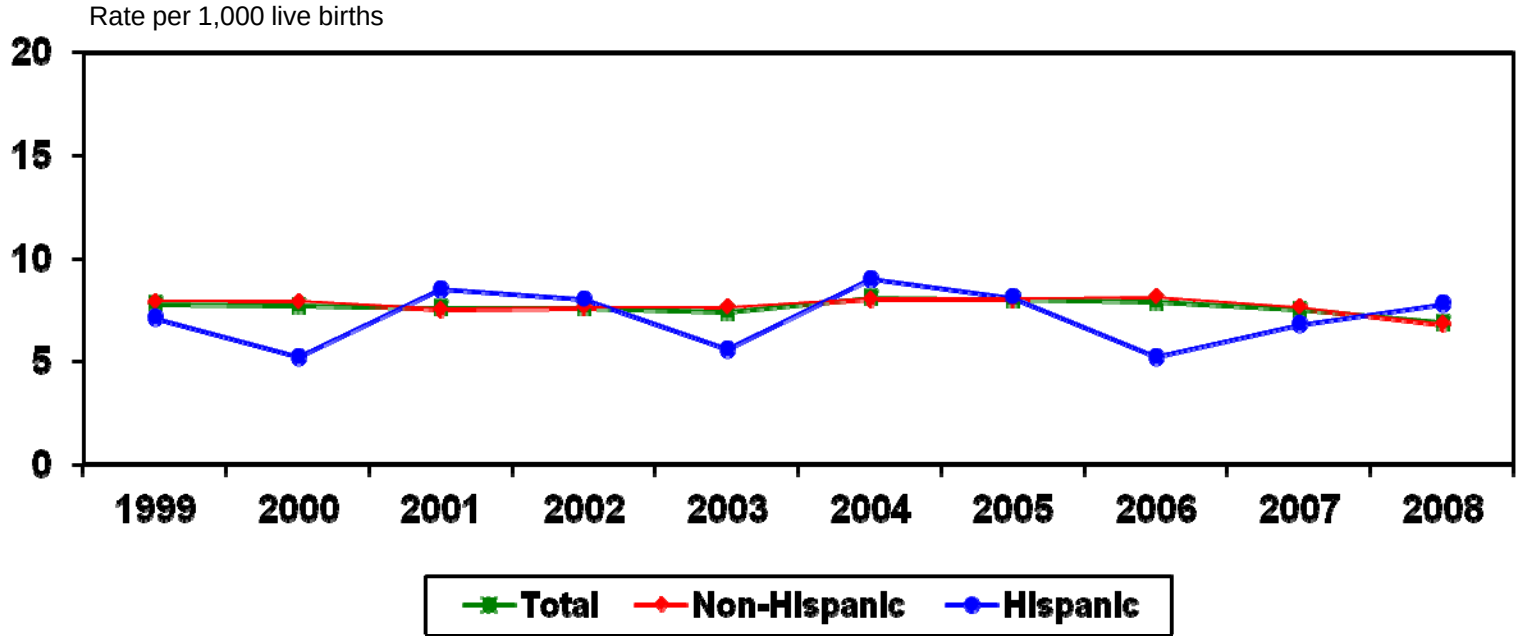
Percent of Preterm Births**
by Race of Mother
Vanderburgh County Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	10.9	11.1	14.3	13.7	12.8	14.0	13.8	14.2	14.9	12.7
White	10.0	10.4	13.6	13.4	12.2	14.0	13.1	14.0	14.2	11.7
Black	17.7	16.7	19.1	16.1	17.1	14.7	17.6	16.1	19.4	19.2

**Preterm birth data in this table are not comparable to preterm data provided in the 1997-2006 MCH Outcomes report and prior reports, or in the 2008 Indiana Natality Report and prior reports, because the data were calculated differently. Please see Preface for more details. Preterm data in this table are comparable to preterm data provided by the March of Dimes and NCHS.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Infant Mortality Rates by Ethnicity
Indiana Residents, 1999-2008

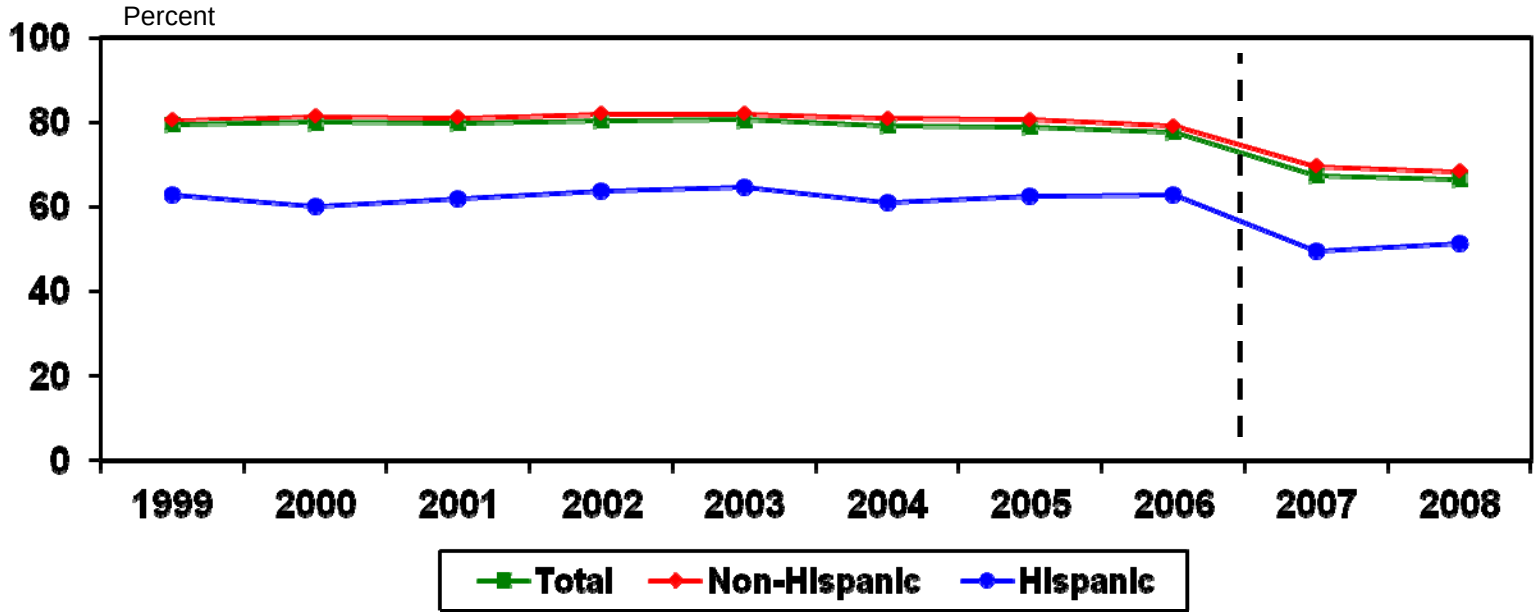


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.8	7.7	7.6	7.6	7.4	8.1	8.0	7.9	7.5	6.9
Non-Hispanic	7.9	7.9	7.5	7.6	7.6	8.0	8.0	8.1	7.6	6.8
Hispanic	7.1	5.2	8.5	8.0	5.6	9.0	8.1	5.2	6.8	7.8

Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Infants Born to Mothers Receiving Prenatal Care in the First Trimester* by Ethnicity

Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	79.5	80.0	79.8	80.5	80.6	79.3	78.9	77.6	67.5	66.6
Non-Hispanic	80.4	81.3	81.1	81.9	82.0	80.9	80.6	79.1	69.5	68.3
Hispanic	62.9	60.2	61.9	63.9	64.6	61.2	62.5	62.8	49.5	51.4

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

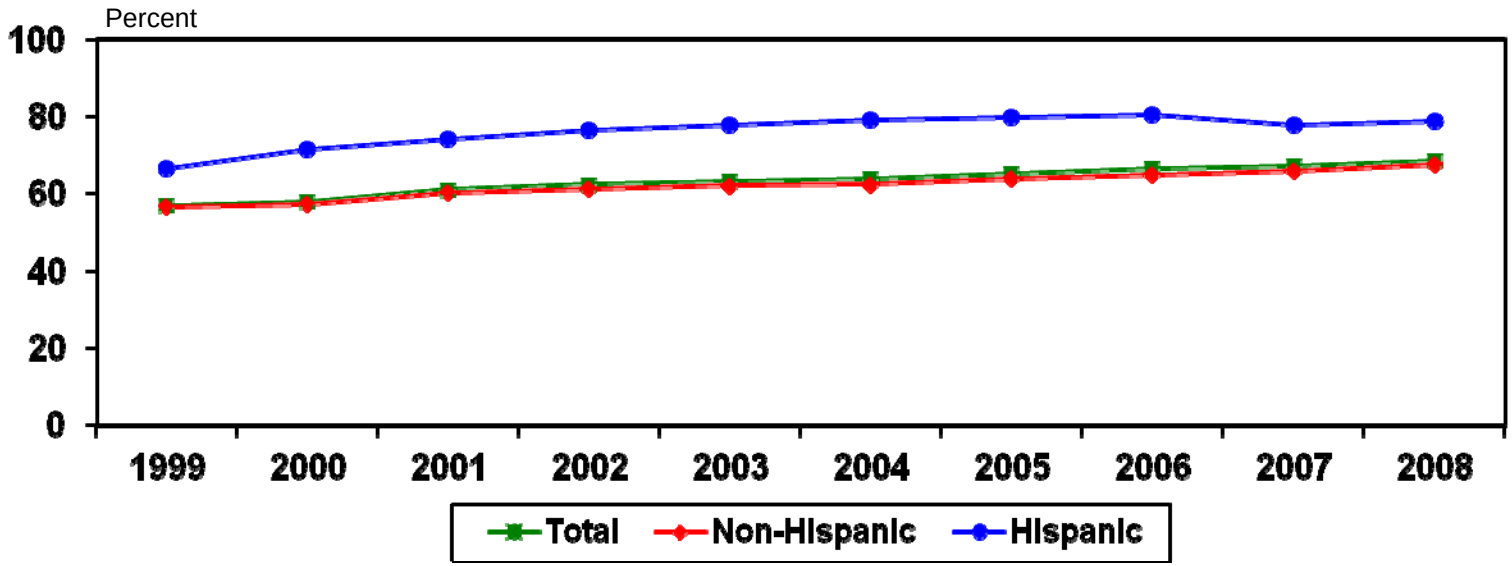
Notes: Hispanic ethnicity can be of any race.

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

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Mothers Who Breastfed Their Infants at Hospital Discharge by Ethnicity

Indiana Residents, 1999-2008

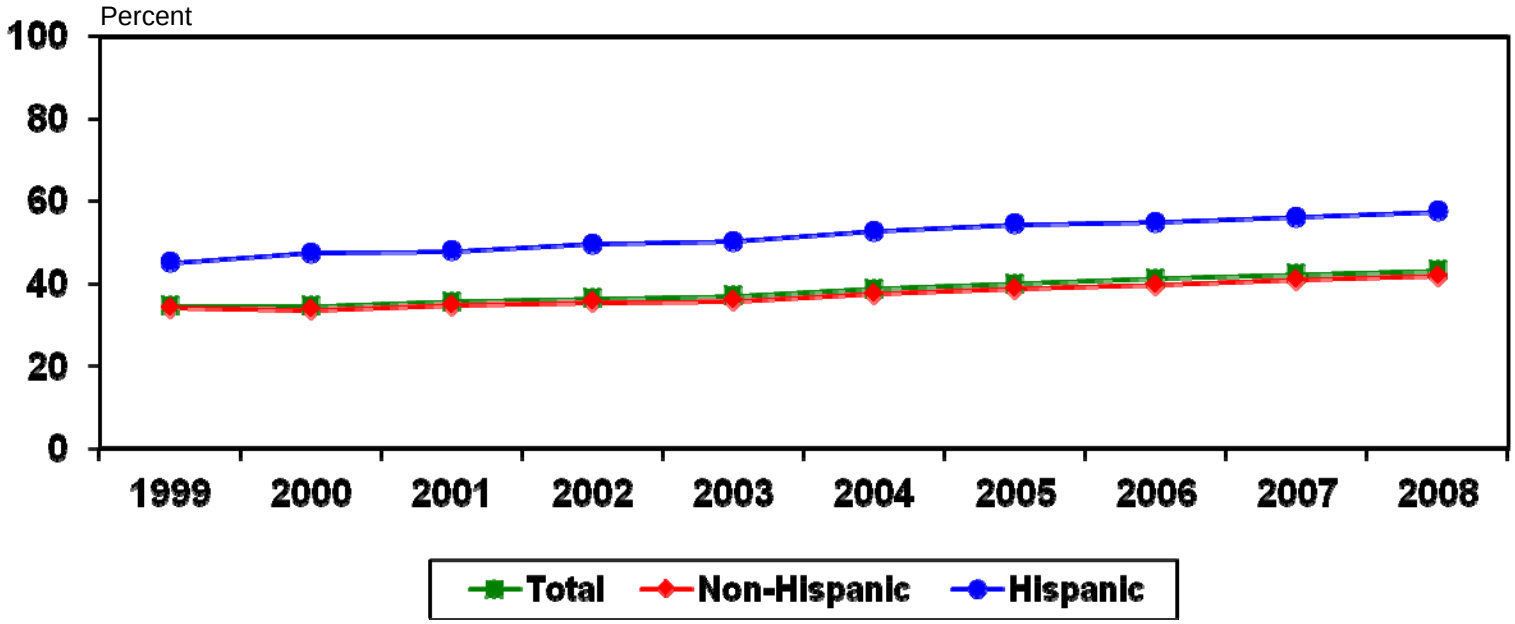


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	56.8	58.0	61.1	62.4	63.2	63.8	65.3	66.5	67.1	68.5
Non-Hispanic	56.5	57.2	60.2	61.4	62.1	62.4	63.9	65.0	66.0	67.5
Hispanic	66.7	71.6	74.2	76.6	77.7	79.1	79.8	80.4	77.9	78.9

Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Live Births to Unmarried Mothers by Ethnicity of Mother

Indiana Residents, 1999-2008

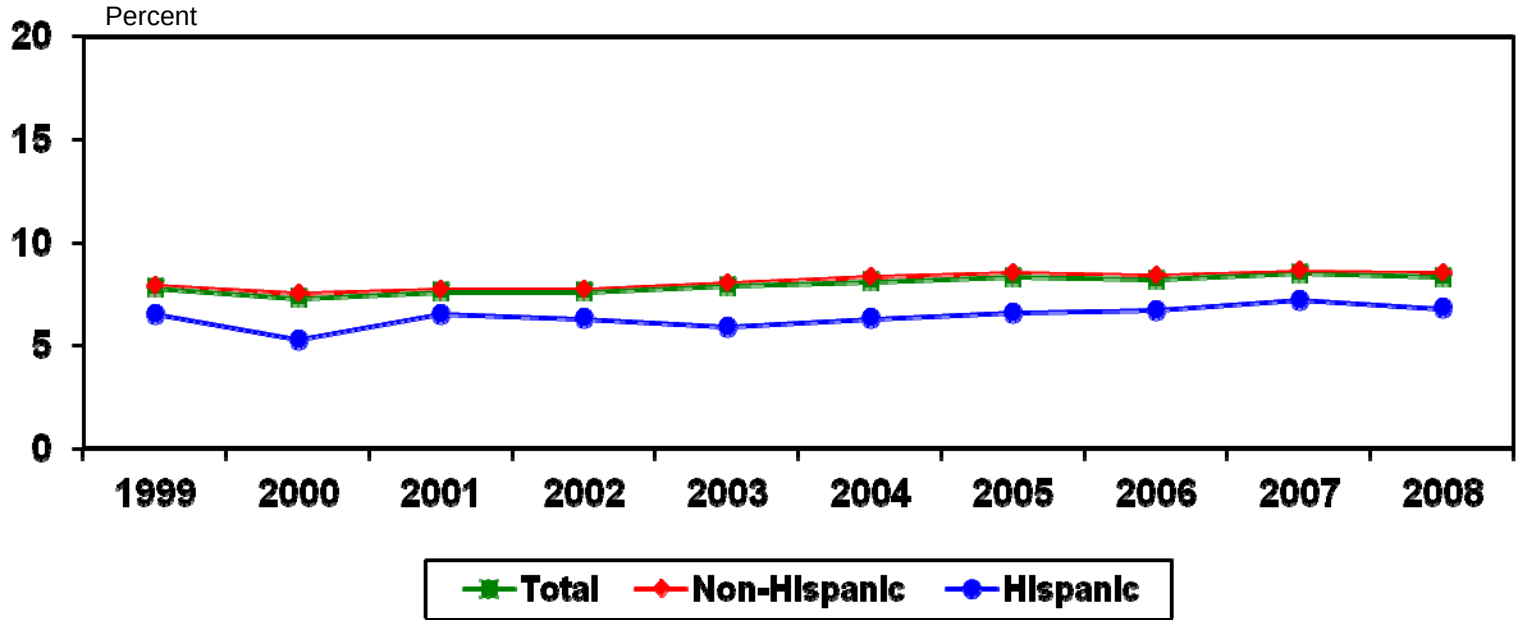


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	34.6	34.6	35.6	36.5	37.1	38.8	40.1	41.2	42.4	43.3
Non-Hispanic	34.1	33.7	34.7	35.5	35.9	37.5	38.7	39.8	40.9	41.8
Hispanic	45.2	47.5	47.9	49.7	50.3	52.8	54.5	54.9	56.2	57.6

Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Percent of Low Birthweight Infants by Ethnicity of Mother

Indiana Residents, 1999-2008

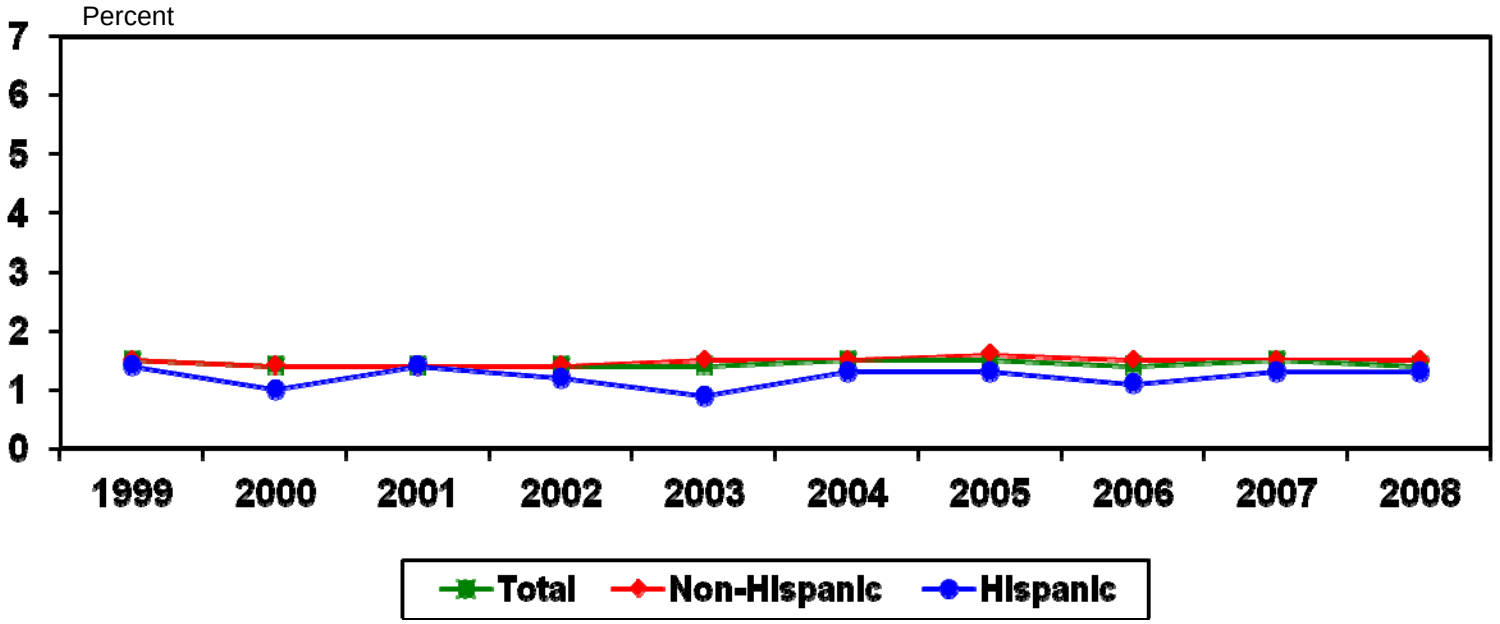


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	7.8	7.3	7.6	7.6	7.9	8.1	8.3	8.2	8.5	8.3
Non-Hispanic	7.9	7.5	7.7	7.7	8.0	8.3	8.5	8.4	8.6	8.5
Hispanic	6.5	5.3	6.5	6.3	5.9	6.3	6.6	6.7	7.2	6.8

Notes: 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, ERC, Data Analysis Team, 2012

Percent of Very Low Birthweight Infants by Ethnicity of Mother

Indiana Residents, 1999-2008

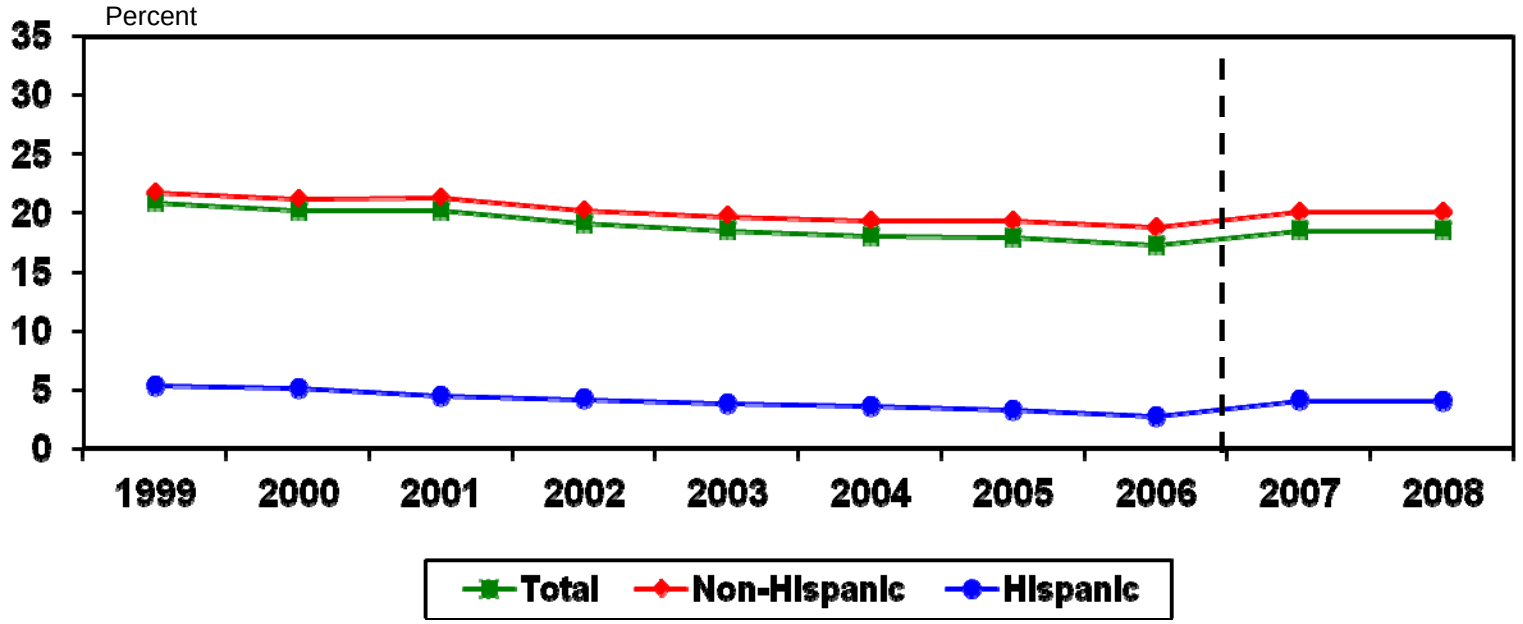


	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.4	1.5	1.4
Non-Hispanic	1.5	1.4	1.4	1.4	1.5	1.5	1.6	1.5	1.5	1.5
Hispanic	1.4	1.0	1.4	1.2	0.9	1.3	1.3	1.1	1.3	1.3

Notes: 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, ERC, Data Analysis Team, 2012

Percent of Births to Mothers Who Smoked During Pregnancy* by Ethnicity

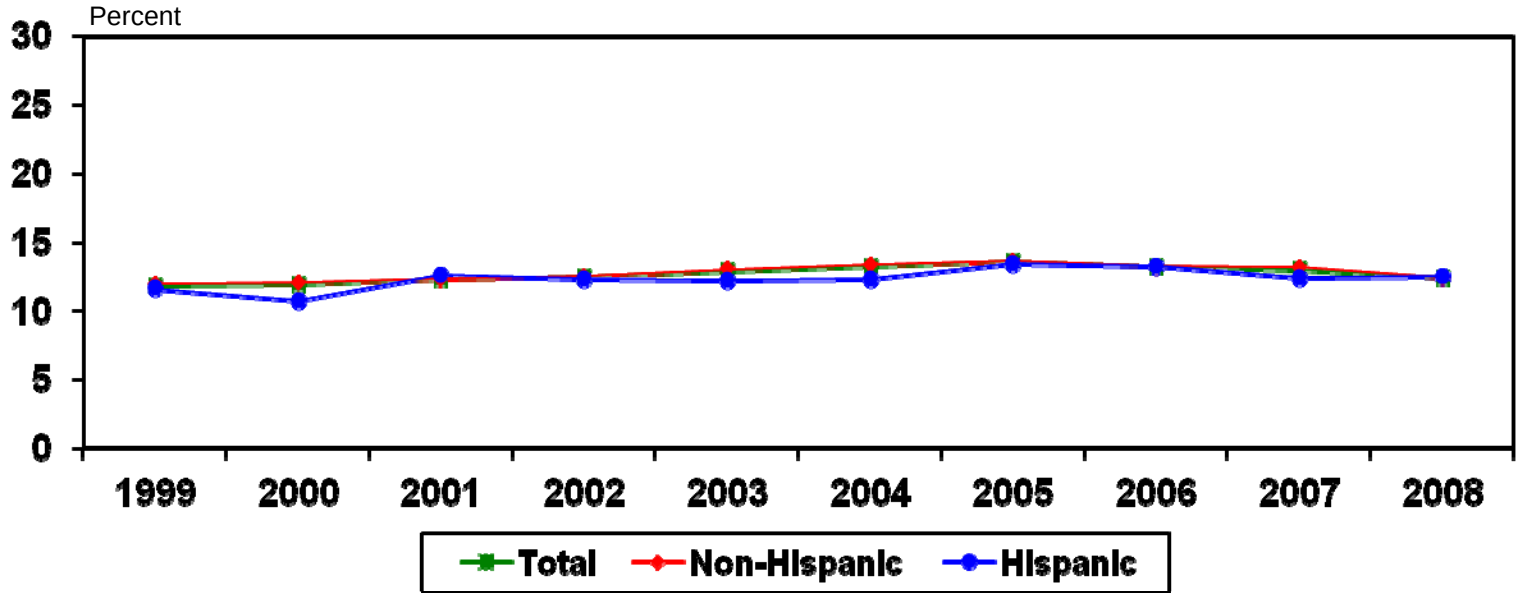
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	20.9	20.2	20.2	19.1	18.5	18.0	17.9	17.3	18.5	18.5
Non-Hispanic	21.7	21.2	21.3	20.2	19.7	19.3	19.3	18.8	20.1	20.1
Hispanic	5.3	5.1	4.5	4.2	3.8	3.6	3.3	2.7	4.1	4.0

*Because of birth certificate revisions in 2007, tobacco data for 2007 and later are not strictly 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, ERC, Data Analysis Team, 2012

Percent of Preterm Births**
by Ethnicity of Mother
Indiana Residents, 1999-2008



	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Total	11.8	11.9	12.3	12.5	12.9	13.2	13.6	13.2	13.0	12.4
Non-Hispanic	11.9	12.0	12.3	12.5	13.0	13.3	13.6	13.2	13.1	12.4
Hispanic	11.6	10.7	12.6	12.3	12.2	12.3	13.4	13.2	12.4	12.5

**Preterm birth data in this table are not comparable to preterm data provided in the 1997-2006 MCH Outcomes report and prior reports, or in the 2008 Indiana Natality Report and prior reports, because the data were calculated differently. Please see Preface for more details. Preterm data in this table are comparable to preterm data provided by the March of Dimes and NCHS.
Note: Preterm birth is the delivery of a liveborn infant prior to 37 weeks gestation.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Live Births by County of Residence
Indiana Residents, 1999-2008
Total Population

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	99-2008 Avg.
INDIANA	85,489	87,697	86,122	84,839	86,382	87,125	87,088	89,404	89,719	88,679	87,254
Adams	537	584	581	615	641	607	641	654	667	673	620
Allen	5,079	5,213	5,371	5,161	5,211	5,329	5,295	5,492	5,448	5,506	5,311
Bartholomew	1,076	1,073	999	960	1,004	1,047	1,081	1,096	1,086	1,095	1,052
Benton	125	125	107	115	118	135	118	110	104	119	118
Blackford	199	146	179	154	163	151	141	148	156	148	159
Boone	614	627	624	645	699	652	694	676	708	741	668
Brown	170	146	158	145	157	115	90	97	137	137	135
Carroll	261	227	216	241	237	250	207	214	230	227	231
Cass	575	592	574	542	548	570	572	567	545	539	562
Clark	1,323	1,348	1,311	1,273	1,315	1,315	1,393	1,513	1,450	1,479	1,372
Clay	343	314	349	373	358	337	325	368	291	330	339
Clinton	497	548	521	503	510	494	510	524	534	518	516
Crawford	140	157	135	130	135	140	104	135	124	122	132
Daviess	463	476	470	475	502	483	508	536	547	536	500
Dearborn	436	673	527	532	629	641	653	587	602	641	592
Decatur	400	377	379	376	387	362	355	365	318	361	368
DeKalb	556	560	616	591	566	554	585	545	571	522	567
Delaware	1,423	1,434	1,371	1,300	1,339	1,310	1,305	1,229	1,340	1,268	1,332
Dubois	558	542	515	565	501	550	563	575	539	543	545
Elkhart	3,134	3,315	3,125	3,005	3,194	3,252	3,478	3,562	3,557	3,430	3,305
Fayette	285	340	302	309	332	304	309	300	304	281	307
Floyd	895	879	852	848	826	870	916	840	878	918	872
Fountain	240	218	238	211	217	213	195	200	209	223	216
Franklin	183	311	232	254	264	328	287	293	310	254	272
Fulton	281	272	252	234	263	245	268	249	267	285	262
Gibson	402	360	419	387	430	416	421	431	452	377	410
Grant	866	948	822	869	799	803	775	877	866	816	844
Greene	364	413	394	425	420	393	380	392	401	369	395
Hamilton	2,980	3,211	3,242	3,457	3,637	3,649	3,693	3,713	3,926	3,910	3,542
Hancock	703	722	725	741	844	824	888	901	897	848	809

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Live Births by County of Residence
Indiana Residents, 1999-2008
Total Population

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	99-2008 Avg.
INDIANA	85,489	87,697	86,122	84,839	86,382	87,125	87,088	89,404	89,719	88,679	87,254
Harrison	447	442	457	436	438	435	459	447	473	481	452
Hendricks	1,262	1,429	1,541	1,459	1,505	1,552	1,620	1,686	1,859	1,844	1,576
Henry	609	559	590	558	559	540	567	486	506	541	552
Howard	1,249	1,172	1,218	1,119	1,217	1,143	1,089	1,115	1,131	1,122	1,158
Huntington	526	519	438	488	461	499	451	481	488	453	480
Jackson	560	626	638	629	591	589	622	572	584	583	599
Jasper	427	390	353	405	431	396	465	470	430	387	415
Jay	331	310	305	282	332	287	303	306	320	285	306
Jefferson	364	367	383	332	365	382	363	369	383	381	369
Jennings	423	394	400	389	359	415	403	391	371	374	392
Johnson	1,641	1,673	1,649	1,622	1,705	1,765	1,676	1,838	1,913	1,913	1,740
Knox	473	430	453	393	474	462	471	514	497	481	465
Kosciusko	1,134	1,199	1,133	1,032	1,059	1,087	1,067	1,167	1,099	1,154	1,113
LaGrange	756	741	697	717	720	703	756	714	783	787	737
Lake	7,073	7,040	6,936	6,824	6,926	6,975	6,872	6,937	6,759	6,663	6,901
LaPorte	1,453	1,457	1,401	1,360	1,309	1,325	1,364	1,371	1,438	1,411	1,389
Lawrence	571	618	565	560	547	537	537	534	507	522	550
Madison	1,775	1,644	1,710	1,603	1,596	1,636	1,650	1,594	1,674	1,598	1,648
Marion	14,183	14,608	14,373	14,540	14,701	14,868	14,653	15,545	15,401	15,333	14,821
Marshall	680	688	720	639	701	655	679	662	667	621	671
Martin	155	142	125	145	119	114	140	126	140	146	135
Miami	431	480	479	433	451	438	480	449	433	416	449
Monroe	1,261	1,246	1,280	1,239	1,229	1,273	1,309	1,298	1,388	1,298	1,282
Montgomery	534	478	505	456	466	486	475	448	493	453	479
Morgan	985	958	847	927	873	873	851	871	877	863	893
Newton	208	172	163	156	155	141	133	138	138	162	157
Noble	725	744	717	669	678	739	682	766	703	703	713
Ohio	53	67	69	61	62	64	55	71	60	57	62
Orange	245	274	274	245	239	237	251	246	264	224	250
Owen	263	271	262	246	232	262	247	237	249	259	253
Parke	170	202	164	171	205	157	188	194	204	187	184

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Live Births by County of Residence
Indiana Residents, 1999-2008
Total Population

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	99-2008 Avg.
INDIANA	85,489	87,697	86,122	84,839	86,382	87,125	87,088	89,404	89,719	88,679	87,254
Perry	203	238	223	201	233	217	219	236	223	209	220
Pike	168	148	157	141	135	167	159	158	152	138	152
Porter	1,815	1,830	1,846	1,797	1,873	1,827	1,793	1,836	1,886	1,868	1,837
Posey	289	287	269	269	242	292	227	252	250	284	266
Pulaski	194	174	144	159	164	172	159	177	160	161	166
Putnam	430	423	405	406	404	407	408	368	418	405	407
Randolph	355	342	337	305	321	318	298	295	338	324	323
Ripley	334	433	381	374	396	387	406	389	369	384	385
Rush	238	245	259	258	217	196	214	226	223	197	227
St. Joseph	3,873	3,964	3,856	3,750	3,706	3,843	3,827	4,013	3,762	3,832	3,843
Scott	306	348	303	318	293	288	310	352	346	327	319
Shelby	606	627	597	547	537	582	505	539	572	538	565
Spencer	237	268	259	212	232	235	233	237	247	245	241
Starke	297	315	325	305	280	288	279	298	317	307	301
Steuben	403	424	464	421	419	412	440	396	411	387	418
Sullivan	256	254	265	258	266	214	216	235	216	235	242
Switzerland	103	110	102	102	126	110	102	128	135	133	115
Tippecanoe	1,838	1,931	1,917	1,941	2,012	2,073	2,081	2,205	2,324	2,320	2,064
Tipton	177	193	188	219	200	215	177	175	173	160	188
Union	55	112	66	77	74	101	94	92	82	87	84
Vanderburgh	2,281	2,336	2,292	2,298	2,356	2,351	2,451	2,520	2,468	2,326	2,368
Vermillion	213	205	191	205	200	207	200	171	175	154	192
Vigo	1,300	1,384	1,275	1,283	1,297	1,309	1,280	1,375	1,338	1,321	1,316
Wabash	444	431	391	418	373	378	383	393	377	390	398
Warren	81	100	94	101	94	84	83	94	78	99	91
Warrick	599	691	676	616	641	703	631	677	685	701	662
Washington	324	357	363	344	350	360	328	345	328	318	342
Wayne	906	896	894	837	857	943	910	920	886	882	893
Wells	317	372	321	322	381	353	306	387	305	359	342
White	354	350	386	355	325	323	330	322	330	280	336
Whitley	418	418	425	429	427	396	411	361	449	390	412

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Infant Mortality Rates, Total Population, Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*	RANK	COUNTY	RATE*
1	PARKE	10.9	34	VIGO	7.4
2	DELAWARE	10.2	36	STARKE	7.3
3	SPENCER	9.6	37	DECATUR	7.1
3	FULTON	9.6	38	DAVIESS	7.0
5	LAKE	9.5	38	CLINTON	7.0
6	GRANT	9.4	40	JENNINGS	6.9
7	MARION	9.3	40	WHITE	6.9
8	JAY	9.1	42	MONROE	6.8
8	PERRY	9.1	43	PORTER	6.6
8	WAYNE	9.1	44	LAGRANGE	6.5
11	ADAMS	8.9	44	JACKSON	6.5
11	GREENE	8.9	46	BOONE	6.4
11	LAPORTE	8.9	46	MORGAN	6.4
14	SULLIVAN	8.7	46	DEKALB	6.4
14	SHELBY	8.7	49	HOWARD	6.3
16	POSEY	8.6	49	KOSCIUSKO	6.3
17	WABASH	8.5	51	DUBOIS	6.2
17	ST. JOSEPH	8.5	51	JEFFERSON	6.2
19	CASS	8.4	53	JOHNSON	6.0
20	TIPPECANOE	8.3	53	CLARK	6.0
20	CLAY	8.3	55	STEUBEN	5.7
22	LAWRENCE	8.2	55	DEARBORN	5.7
23	RANDOLPH	8.0	57	PUTNAM	5.6
23	VANDERBURGH	8.0	57	WHITLEY	5.6
23	KNOX	8.0	59	HAMILTON	5.4
26	MADISON	7.8	59	HANCOCK	5.4
26	ALLEN	7.8	61	HENDRICKS	5.3
28	MONTGOMERY	7.7	61	JASPER	5.3
28	BARTHOLOMEW	7.7	63	WARRICK	5.0
30	NOBLE	7.6	64	GIBSON	4.9
30	MIAMI	7.6	65	FLOYD	4.6
32	ELKHART	7.5	66	MARSHALL	4.5
32	FAYETTE	7.5	67	HARRISON	4.4
34	HENRY	7.4			
				INDIANA	7.7

*Rate per 1,000 live births.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Infant Mortality Rates, White Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*	RANK	COUNTY	RATE*
1	PARKE	10.9	34	MARION	6.7
2	FULTON	9.7	34	JENNINGS	6.7
3	JAY	9.2	34	VIGO	6.7
4	POSEY	8.8	34	FAYETTE	6.7
4	SPENCER	8.8	34	WHITE	6.7
4	ADAMS	8.8	39	ELKHART	6.6
7	TIPPECANOE	8.7	40	JACKSON	6.5
7	GREENE	8.7	40	PORTER	6.5
9	GRANT	8.5	40	MORGAN	6.5
10	CLAY	8.3	43	JEFFERSON	6.4
10	SULLIVAN	8.3	44	KOSCIUSKO	6.3
12	CASS	8.2	45	DUBOIS	6.2
12	WABASH	8.2	45	BOONE	6.2
12	RANDOLPH	8.2	47	LAGRANGE	6.1
15	SHELBY	8.1	47	DEKALB	6.1
16	WAYNE	8.0	49	ST. JOSEPH	5.9
16	DELAWARE	8.0	49	JOHNSON	5.9
18	LAWRENCE	7.9	51	STEUBEN	5.8
19	MIAMI	7.8	51	ALLEN	5.8
20	KNOX	7.7	53	HOWARD	5.7
21	NOBLE	7.6	54	WHITLEY	5.6
21	HENRY	7.6	54	CLARK	5.6
23	MONTGOMERY	7.5	56	DEARBORN	5.5
24	VANDERBURGH	7.3	56	PUTNAM	5.5
24	BARTHOLOMEW	7.3	58	JASPER	5.3
26	MONROE	7.1	59	HAMILTON	5.2
27	STARKE	7.0	60	HENDRICKS	5.1
28	DAVIESS	6.9	61	HANCOCK	4.9
28	MADISON	6.9	62	MARSHALL	4.6
28	LAKE	6.9	63	HARRISON	4.5
28	LAPORTE	6.9	64	WARRICK	4.4
28	DECATUR	6.9	65	FLOYD	4.3
28	CLINTON	6.9			
				INDIANA	6.5

*Rate per 1,000 live births.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Infant Mortality Rates, Black Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*
1	DELAWARE	27.5
2	ST. JOSEPH	20.1
3	LAPORTE	19.9
4	ELKHART	19.5
5	ALLEN	17.9
6	MADISON	16.8
7	MARION	15.4
8	LAKE	15.2
9	VANDERBURGH	12.9
	INDIANA	16.1

*Rate per 1,000 live births.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Infant Mortality Rates, Non-Hispanic Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*	RANK	COUNTY	RATE*
1	PARKE	10.9	35	STARKE	7.4
2	STEUBEN	10.2	36	VIGO	7.3
3	DELAWARE	10.0	36	DAVIESS	7.3
4	LAKE	9.9	38	DECATUR	7.2
5	MARION	9.6	38	HENRY	7.2
5	JAY	9.6	40	NOBLE	7.1
7	PERRY	9.2	41	WHITE	6.9
7	WAYNE	9.2	42	MONROE	6.7
7	FULTON	9.2	43	DEKALB	6.6
10	LAPORTE	9.1	43	BOONE	6.6
10	ADAMS	9.1	45	JENNINGS	6.5
10	SPENCER	9.1	45	PORTER	6.5
10	GRANT	9.1	45	MORGAN	6.5
14	GREENE	8.9	48	JEFFERSON	6.4
14	ST. JOSEPH	8.9	49	HOWARD	6.2
16	CASS	8.8	50	JACKSON	6.0
16	SULLIVAN	8.8	50	CLARK	6.0
18	POSEY	8.7	52	JOHNSON	5.9
19	CLINTON	8.3	53	LAGRANGE	5.8
19	LAWRENCE	8.3	54	PUTNAM	5.7
21	WABASH	8.2	54	WHITLEY	5.7
22	RANDOLPH	8.1	56	KOSCIUSKO	5.6
23	ALLEN	8.0	57	HANCOCK	5.5
23	KNOX	8.0	57	HAMILTON	5.5
23	CLAY	8.0	57	DUBOIS	5.5
26	VANDERBURGH	7.9	60	JASPER	5.4
26	ELKHART	7.9	61	HENDRICKS	5.3
28	TIPPECANOE	7.8	62	DEARBORN	5.2
29	SHELBY	7.7	63	GIBSON	4.9
29	MIAMI	7.7	63	WARRICK	4.9
29	MADISON	7.7	65	MARSHALL	4.6
32	FAYETTE	7.6	66	HARRISON	4.5
32	MONTGOMERY	7.6	66	FLOYD	4.5
34	BARTHOLOMEW	7.5			
				INDIANA	7.7

*Rate per 1,000 live births.
Note: Non-Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Infant Mortality Rates, Hispanic Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*
1	TIPPECANOE	11.7
2	LAKE	7.2
3	MARION	6.9
4	ELKHART	6.3
5	ST. JOSEPH	5.4
6	ALLEN	4.5
	INDIANA	7.1

*Rate per 1,000 live births.
Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Neonatal Mortality Rates, Total Population, Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*	RANK	COUNTY	RATE*
1	JAY	7.2	21	MONROE	4.8
2	GREENE	6.8	21	NOBLE	4.8
3	DELAWARE	6.6	24	MADISON	4.7
4	ADAMS	6.5	25	MORGAN	4.5
5	GRANT	6.4	26	ELKHART	4.4
6	MARION	6.3	27	VIGO	4.3
7	SHELBY	6.2	28	DEARBORN	4.2
7	LAKE	6.2	28	LAGRANGE	4.2
9	TIPPECANOE	6.1	30	PORTER	4.1
10	LAPORTE	5.7	31	KOSCIUSKO	4.0
11	LAWRENCE	5.6	31	HAMILTON	4.0
11	ST. JOSEPH	5.6	31	DAVIESS	4.0
13	CASS	5.3	31	HENDRICKS	4.0
13	BARTHOLOMEW	5.3	35	JOHNSON	3.9
13	WAYNE	5.3	36	DUBOIS	3.7
13	HENRY	5.3	37	WARRICK	3.6
17	KNOX	5.2	37	CLARK	3.6
18	ALLEN	5.1	39	HOWARD	3.5
18	BOONE	5.1	40	JACKSON	3.3
20	VANDERBURGH	5.0	40	HANCOCK	3.3
21	CLINTON	4.8	42	MARSHALL	3.0
				INDIANA	5.0

*Rate per 1,000 live births.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Neonatal Mortality Rates, White Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*	RANK	COUNTY	RATE*
1	JAY	7.3	19	MADISON	4.6
2	GREENE	6.6	21	MORGAN	4.5
3	TIPPECANOE	6.4	21	MARION	4.5
4	ADAMS	6.3	23	LAPORTE	4.3
5	SHELBY	5.8	24	ST. JOSEPH	4.2
6	GRANT	5.6	24	LAGRANGE	4.2
7	LAWRENCE	5.5	26	KOSCIUSKO	4.1
8	HENRY	5.3	27	DEARBORN	4.0
9	CASS	5.1	27	HENDRICKS	4.0
9	DELAWARE	5.1	27	ELKHART	4.0
11	MONROE	5.0	30	PORTER	3.9
11	KNOX	5.0	31	JOHNSON	3.8
13	BARTHOLOMEW	4.9	32	VIGO	3.7
13	CLINTON	4.9	32	HAMILTON	3.7
13	NOBLE	4.9	34	ALLEN	3.6
16	LAKE	4.8	35	HOWARD	3.5
16	BOONE	4.8	36	CLARK	3.3
18	VANDERBURGH	4.7	37	MARSHALL	3.0
19	WAYNE	4.6	37	HANCOCK	3.0
				INDIANA	4.3

*Rate per 1,000 live births.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Neonatal Mortality Rates, Black Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*
1	DELAWARE	19.1
2	LAPORTE	13.1
3	ALLEN	12.7
4	ST. JOSEPH	11.8
5	MARION	10.6
6	ELKHART	9.5
7	LAKE	9.2
	INDIANA	10.4

*Rate per 1,000 live births.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Neonatal Mortality Rates, Non-Hispanic Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*	RANK	COUNTY	RATE*
1	JAY	7.5	19	HENRY	5.0
2	GREENE	6.9	19	BARTHOLOMEW	5.0
3	ADAMS	6.6	22	MADISON	4.7
4	MARION	6.5	22	MONROE	4.7
5	DELAWARE	6.4	24	MORGAN	4.5
6	LAKE	6.3	25	NOBLE	4.4
7	GRANT	6.0	25	ELKHART	4.4
8	ST. JOSEPH	5.9	27	VIGO	4.3
9	CLINTON	5.8	28	HAMILTON	4.1
9	LAPORTE	5.8	29	HENDRICKS	4.0
11	TIPPECANOE	5.7	29	PORTER	4.0
11	LAWRENCE	5.7	31	KOSCIUSKO	3.9
11	SHELBY	5.7	32	LAGRANGE	3.8
14	CASS	5.4	32	DEARBORN	3.8
15	KNOX	5.2	32	JOHNSON	3.8
15	ALLEN	5.2	35	WARRICK	3.7
15	BOONE	5.2	36	HOWARD	3.5
15	WAYNE	5.2	36	CLARK	3.5
19	VANDERBURGH	5.0	38	HANCOCK	3.4
				INDIANA	5.0

*Rate per 1,000 live births.
Note: Non-Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Neonatal Mortality Rates, Hispanic Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*
1	TIPPECANOE	8.3
2	LAKE	5.1
3	MARION	4.9
4	ELKHART	4.3
	INDIANA	4.9

*Rate per 1,000 live births.
Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Postneonatal Mortality Rates, Total Population, Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*
1	WAYNE	3.8
2	DELAWARE	3.6
3	DEKALB	3.5
4	LAKE	3.3
5	ELKHART	3.2
5	LAPORTE	3.2
7	VIGO	3.1
7	MADISON	3.1
9	VANDERBURGH	3.0
9	MARION	3.0
9	GRANT	3.0
12	ST. JOSEPH	2.9
13	NOBLE	2.8
13	HOWARD	2.8
15	ALLEN	2.7
16	PORTER	2.6
17	FLOYD	2.5
18	CLARK	2.4
18	BARTHOLOMEW	2.4
20	TIPPECANOE	2.3
21	KOSCIUSKO	2.2
22	JOHNSON	2.1
23	MONROE	1.9
24	HAMILTON	1.4
25	HENDRICKS	1.3
	INDIANA	2.7

*Rate per 1,000 live births.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Postneonatal Mortality Rates, White Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*
1	WAYNE	3.4
2	VIGO	3.0
3	GRANT	2.9
3	DELAWARE	2.9
5	VANDERBURGH	2.6
5	ELKHART	2.6
5	PORTER	2.6
8	LAPORTE	2.5
9	TIPPECANOE	2.4
10	CLARK	2.3
10	BARTHOLOMEW	2.3
10	MADISON	2.3
13	MARION	2.2
13	KOSCIUSKO	2.2
13	HOWARD	2.2
13	ALLEN	2.2
17	MONROE	2.1
18	LAKE	2.0
18	JOHNSON	2.0
20	ST. JOSEPH	1.7
21	HAMILTON	1.5
	INDIANA	2.3

*Rate per 1,000 live births.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Postneonatal Mortality Rates, Black Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*
1	ELKHART	10.0
2	ST. JOSEPH	8.2
3	LAKE	6.0
4	ALLEN	5.2
5	MARION	4.8
	INDIANA	5.7

*Rate per 1,000 live births.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Postneonatal Mortality Rates, Non-Hispanic Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*
1	WAYNE	4.0
2	DEKALB	3.7
3	LAKE	3.6
3	DELAWARE	3.6
5	ELKHART	3.5
6	LAPORTE	3.4
7	GRANT	3.1
7	MARION	3.1
9	MADISON	3.0
9	VIGO	3.0
9	ST. JOSEPH	3.0
12	VANDERBURGH	2.9
13	ALLEN	2.8
14	HOWARD	2.6
14	FLOYD	2.6
14	BARTHOLOMEW	2.6
17	CLARK	2.5
17	PORTER	2.5
19	TIPPECANOE	2.1
19	JOHNSON	2.1
21	MONROE	2.0
22	HAMILTON	1.5
23	HENDRICKS	1.3
	INDIANA	2.7

*Rate per 1,000 live births.
Note: Non-Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Postneonatal Mortality Rates, Hispanic Indiana Residents, 1999-2008

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

RANK	COUNTY	RATE*
1	LAKE	2.1
2	MARION	2.0
	INDIANA	2.2

*Rate per 1,000 live births.
Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Prenatal Care Began in First Trimester, Total Population, Indiana Residents, 1999-2008

RANK	COUNTY	PERCENT*	RANK	COUNTY	PERCENT*
1	LAGRANGE	44.7	46	JASPER	80.8
2	ELKHART	61.7	46	BENTON	80.8
3	ADAMS	63.5	49	UNION	80.9
4	DAVIESS	68.7	50	CRAWFORD	81.0
5	CLINTON	69.8	51	WARREN	81.2
6	GRANT	71.7	51	MONROE	81.2
7	SCOTT	73.1	53	STARKE	81.3
8	MARION	73.2	53	LAWRENCE	81.3
9	NOBLE	73.3	55	MORGAN	81.4
9	LAPORTE	73.3	55	PERRY	81.4
11	CASS	73.6	55	PULASKI	81.4
12	ST. JOSEPH	74.4	58	RUSH	81.5
13	JAY	74.5	58	SHELBY	81.5
13	PARKE	74.5	58	BROWN	81.5
15	FOUNTAIN	75.9	61	MARTIN	81.9
16	FULTON	76.2	61	CLAY	81.9
17	LAKE	76.3	63	PUTNAM	82.4
18	WASHINGTON	76.4	64	TIPTON	82.5
19	CLARK	76.5	65	VIGO	82.6
20	KOSCIUSKO	77.0	66	SULLIVAN	82.7
21	JENNINGS	77.3	67	RANDOLPH	83.1
22	JACKSON	77.4	67	FAYETTE	83.1
22	SWITZERLAND	77.4	69	VANDERBURGH	83.3
24	WAYNE	77.9	70	FRANKLIN	83.4
25	BARTHOLOMEW	78.1	71	BLACKFORD	83.7
26	DECATUR	78.2	72	KNOX	84.0
27	STEUBEN	78.3	72	HARRISON	84.0
28	HOWARD	78.6	74	RIPLEY	84.3
28	FLOYD	78.6	75	WHITLEY	84.6
28	OWEN	78.6	76	JOHNSON	85.1
31	MONTGOMERY	78.8	76	SPENCER	85.1
31	MARSHALL	78.8	78	WELLS	85.8
33	JEFFERSON	79.0	78	HUNTINGTON	85.8
34	ORANGE	79.1	80	OHIO	85.9
35	TIPPECANOE	79.2	81	GIBSON	86.0
36	VERMILLION	79.3	82	DELAWARE	86.4
37	MADISON	79.7	83	BOONE	86.5
38	DEKALB	79.9	83	PIKE	86.5
38	NEWTON	79.9	85	DUBOIS	86.7
40	CARROLL	80.1	86	HENDRICKS	87.1
40	ALLEN	80.1	87	POSEY	87.4
42	GREENE	80.2	87	WARRICK	87.4
43	WABASH	80.5	89	HENRY	87.5
43	WHITE	80.5	90	HAMILTON	87.7
45	PORTER	80.6	91	HANCOCK	88.6
46	MIAMI	80.8	92	DEARBORN	88.8
				INDIANA	77.9

*The values are percentages of live births and do not include the unknowns.
Note: The preterm data for 2007 and later are not comparable with the data prior to 2007, but this table has ten years of data combined.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Prenatal Care Began in First Trimester, White Indiana Residents, 1999-2008

RANK	COUNTY	PERCENT*	RANK	COUNTY	PERCENT*
1	LAGRANGE	44.6	47	CRAWFORD	81.1
2	ELKHART	62.7	47	MIAMI	81.1
3	ADAMS	63.5	47	BENTON	81.1
4	DAVIESS	69.0	50	UNION	81.2
5	CLINTON	70.0	51	PULASKI	81.3
6	SCOTT	73.3	51	STARKE	81.3
7	GRANT	73.6	53	MORGAN	81.4
8	NOBLE	73.7	53	BROWN	81.4
9	CASS	73.9	55	SHELBY	81.5
10	PARKE	74.5	56	LAWRENCE	81.6
10	JAY	74.5	56	PERRY	81.6
12	LAPORTE	75.8	58	RUSH	81.7
13	FOUNTAIN	76.1	59	MARTIN	82.0
14	FULTON	76.3	59	MONROE	82.0
15	MARION	76.4	61	CLAY	82.1
16	WASHINGTON	76.5	62	PUTNAM	82.5
17	KOSCIUSKO	77.3	62	TIPTON	82.5
18	JENNINGS	77.4	64	SULLIVAN	82.8
18	SWITZERLAND	77.4	65	ALLEN	83.0
20	JACKSON	77.5	66	VIGO	83.4
21	CLARK	77.6	66	FAYETTE	83.4
22	ST. JOSEPH	77.7	66	FRANKLIN	83.4
23	BARTHOLOMEW	78.2	69	RANDOLPH	83.5
24	STEUBEN	78.4	70	BLACKFORD	83.7
24	DECATUR	78.4	71	KNOX	84.1
26	WAYNE	78.8	72	HARRISON	84.2
27	OWEN	78.9	73	RIPLEY	84.3
28	MARSHALL	79.0	74	WHITLEY	84.8
29	MONTGOMERY	79.2	75	VANDERBURGH	85.2
30	JEFFERSON	79.3	75	SPENCER	85.2
31	VERMILLION	79.4	77	JOHNSON	85.3
31	ORANGE	79.4	78	HUNTINGTON	85.9
33	HOWARD	79.8	79	WELLS	86.0
33	DEKALB	79.8	80	OHIO	86.2
35	TIPPECANOE	80.0	80	GIBSON	86.2
36	NEWTON	80.1	82	PIKE	86.5
37	CARROLL	80.2	83	BOONE	86.6
37	FLOYD	80.2	84	DUBOIS	87.0
39	GREENE	80.3	85	HENDRICKS	87.4
40	WABASH	80.6	86	DELAWARE	87.5
41	JASPER	80.8	86	POSEY	87.5
42	WHITE	80.9	88	WARRICK	87.6
42	MADISON	80.9	89	HENRY	87.7
42	PORTER	80.9	90	HAMILTON	88.1
45	LAKE	81.0	91	HANCOCK	88.8
45	WARREN	81.0	92	DEARBORN	88.9
				INDIANA	79.6

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

Note: The preterm data for 2007 and later are not comparable with the data prior to 2007, but this table has ten years of data combined.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Prenatal Care Began in First Trimester, Black Indiana Residents, 1999-2008

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

RANK	COUNTY	PERCENT*
1	ELKHART	46.5
2	GRANT	54.8
3	CASS	56.4
4	LAPORTE	58.2
5	NOBLE	58.8
6	ST. JOSEPH	59.2
7	MONTGOMERY	59.3
8	FLOYD	61.4
9	TIPPECANOE	63.2
10	KOSCIUSKO	63.6
11	MIAMI	63.9
12	CLARK	64.2
13	ALLEN	64.8
14	HOWARD	65.3
15	MARION	65.4
16	WAYNE	66.2
17	BARTHOLOMEW	66.3
18	LAKE	66.6
19	JEFFERSON	66.7
20	MONROE	67.6
21	MADISON	68.2
22	GIBSON	70.5
23	VANDERBURGH	70.6
24	KNOX	70.8
25	VIGO	71.7
26	PORTER	72.2
27	FAYETTE	76.2
27	HENDRICKS	76.2
29	DELAWARE	76.5
30	JOHNSON	76.6
31	BOONE	78.0
32	HAMILTON	78.3
33	WARRICK	78.4
34	POSEY	78.8
35	DEARBORN	81.0
36	HANCOCK	83.7
37	SHELBY	83.9
38	HENRY	85.4
39	PUTNAM	86.7
	INDIANA	65.2

*The values are percentages of live births and do not include the unknowns.
Note: The preterm data for 2007 and later are not comparable with the data prior to 2007, but this table has ten years of data combined.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Prenatal Care Began in First Trimester, Non-Hispanic Indiana Residents, 1999-2008

RANK	COUNTY	PERCENT*	RANK	COUNTY	PERCENT*
1	LAGRANGE	43.7	47	CRAWFORD	81.3
2	ADAMS	63.4	48	CARROLL	81.4
3	ELKHART	65.4	48	MORGAN	81.4
4	DAVIESS	69.2	50	LAWRENCE	81.5
5	GRANT	72.4	50	STARKE	81.5
6	SCOTT	73.3	50	PERRY	81.5
7	LAPORTE	73.8	53	TIPPECANOE	81.6
8	JAY	74.4	53	MONROE	81.6
9	PARKE	74.5	53	PULASKI	81.6
10	ST. JOSEPH	75.4	56	RUSH	81.7
11	MARION	75.9	56	BROWN	81.7
12	FOUNTAIN	76.5	58	CLAY	81.9
12	FULTON	76.5	59	MARTIN	82.2
14	WASHINGTON	76.6	60	JASPER	82.4
15	NOBLE	77.1	60	PUTNAM	82.4
15	LAKE	77.1	62	SULLIVAN	82.8
17	SWITZERLAND	77.5	62	VIGO	82.8
18	JENNINGS	77.8	64	SHELBY	83.3
19	CLARK	78.2	64	FAYETTE	83.3
20	CASS	78.5	66	TIPTON	83.5
20	CLINTON	78.5	66	FRANKLIN	83.5
22	KOSCIUSKO	78.6	68	VANDERBURGH	83.7
23	DECATUR	78.7	69	WHITE	83.8
23	OWEN	78.7	70	BLACKFORD	84.0
25	HOWARD	78.9	71	RANDOLPH	84.1
26	WAYNE	79.0	71	KNOX	84.1
27	JACKSON	79.3	73	HARRISON	84.3
28	VERMILLION	79.4	74	WHITLEY	84.8
29	FLOYD	79.5	75	RIPLEY	85.1
29	ORANGE	79.5	76	GIBSON	85.9
31	JEFFERSON	79.6	77	JOHNSON	86.0
32	MARSHALL	79.8	78	HUNTINGTON	86.1
33	BARTHOLOMEW	80.2	79	SPENCER	86.2
33	GREENE	80.2	80	WELLS	86.3
35	DEKALB	80.3	81	OHIO	86.4
36	WABASH	80.6	82	DELAWARE	86.5
36	UNION	80.6	82	PIKE	86.5
36	MONTGOMERY	80.6	84	BOONE	86.8
36	ALLEN	80.6	85	HENDRICKS	87.5
40	STEUBEN	80.7	85	POSEY	87.5
41	MIAMI	80.9	85	HENRY	87.5
41	MADISON	80.9	85	WARRICK	87.5
43	WARREN	81.1	89	HAMILTON	88.7
43	PORTER	81.1	89	DEARBORN	88.7
45	NEWTON	81.2	89	DUBOIS	88.7
45	BENTON	81.2	92	HANCOCK	88.8
				INDIANA	79.4

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

Notes: The preterm data for 2007 and later are not comparable with the data prior to 2007, but this table has ten years of data combined.
Non-Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Prenatal Care Began in First Trimester, Hispanic Indiana Residents, 1999-2008

(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	CLINTON	40.9	37	KNOX	64.1
2	DECATUR	44.4	38	WHITLEY	64.8
3	FLOYD	45.0	39	LAPORTE	65.3
4	CLARK	47.3	40	VIGO	65.4
5	ELKHART	48.2	41	WELLS	65.5
6	TIPTON	49.0	42	ST. JOSEPH	65.8
7	MADISON	49.6	43	ADAMS	66.9
8	JENNINGS	50.7	44	VANDERBURGH	67.0
9	MONTGOMERY	50.9	45	DUBOIS	68.0
10	STEUBEN	51.1	46	HUNTINGTON	68.4
10	RIPLEY	51.1	47	STARKE	69.2
12	WAYNE	52.7	48	FULTON	69.3
13	MARION	53.6	49	MONROE	69.7
14	BARTHOLOMEW	54.0	50	HENDRICKS	70.1
15	NOBLE	54.5	51	BOONE	72.1
16	SHELBY	54.6	52	LAKE	72.4
17	FOUNTAIN	55.4	53	PULASKI	72.5
17	GRANT	55.4	53	MARSHALL	72.5
19	CASS	56.0	55	LAWRENCE	72.6
20	JACKSON	56.7	56	PORTER	73.3
21	JASPER	57.8	57	HARRISON	74.2
22	NEWTON	58.3	57	BENTON	74.2
22	HAMILTON	58.3	59	ALLEN	74.6
24	SPENCER	58.4	59	JAY	74.6
25	RANDOLPH	58.6	61	HANCOCK	74.8
25	WHITE	58.6	62	WABASH	75.6
27	CARROLL	59.3	63	GREENE	75.8
28	LAGRANGE	59.5	64	MIAMI	76.3
29	JOHNSON	60.2	65	WARRICK	76.5
30	HOWARD	60.4	66	MORGAN	77.8
31	SCOTT	61.4	67	DELAWARE	79.8
32	JEFFERSON	61.5	68	PUTNAM	81.3
33	DAVIESS	62.5	69	DEARBORN	81.8
34	TIPPECANOE	63.2	70	HENRY	84.2
35	KOSCIUSKO	63.6	71	GIBSON	90.2
35	DEKALB	63.6			
				INDIANA	60.7

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

Notes: The preterm data for 2007 and later are not comparable with the data prior to 2007, but this table has ten years of data combined. Hispanic ethnicity can be of any race.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Low Birthweight*, Total Population, Indiana Residents, 1999-2008

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	PIKE	9.7	42	DEARBORN	7.6
2	LAKE	9.5	42	PULASKI	7.6
3	SULLIVAN	9.4	42	ORANGE	7.6
4	PERRY	9.3	50	CLINTON	7.5
5	GRANT	9.1	51	WHITLEY	7.4
5	MARION	9.1	51	JENNINGS	7.4
7	DELAWARE	9.0	51	BARTHOLOMEW	7.4
7	SCOTT	9.0	54	DECATUR	7.3
9	VANDERBURGH	8.8	54	HARRISON	7.3
9	RUSH	8.8	56	MIAMI	7.2
11	ALLEN	8.7	56	FRANKLIN	7.2
11	WABASH	8.7	56	CASS	7.2
11	LAPORTE	8.7	56	POSEY	7.2
14	FAYETTE	8.6	56	PUTNAM	7.2
15	MADISON	8.5	56	RIPLEY	7.2
16	JAY	8.4	56	NEWTON	7.2
16	MORGAN	8.4	63	SWITZERLAND	7.1
16	MARTIN	8.4	64	FULTON	7.0
19	KNOX	8.3	64	STARKE	7.0
20	SHELBY	8.2	64	OWEN	7.0
20	CRAWFORD	8.2	67	DAVIESS	6.9
22	RANDOLPH	8.0	67	MONROE	6.9
22	ST. JOSEPH	8.0	67	ELKHART	6.9
22	GREENE	8.0	70	TIPPECANOE	6.8
25	BLACKFORD	7.9	70	HANCOCK	6.8
25	WAYNE	7.9	70	JEFFERSON	6.8
25	FLOYD	7.9	70	CLAY	6.8
25	PARKE	7.9	70	PORTER	6.8
25	CLARK	7.9	75	JOHNSON	6.7
25	JACKSON	7.9	75	HAMILTON	6.7
25	HOWARD	7.9	77	DUBOIS	6.6
32	STEUBEN	7.8	77	KOSCIUSKO	6.6
32	VERMILLION	7.8	77	BOONE	6.6
32	TIPTON	7.8	80	HENDRICKS	6.5
32	HUNTINGTON	7.8	81	BROWN	6.4
32	FOUNTAIN	7.8	81	JASPER	6.4
37	HENRY	7.7	81	MARSHALL	6.4
37	GIBSON	7.7	81	CARROLL	6.4
37	MONTGOMERY	7.7	85	WHITE	6.3
37	LAWRENCE	7.7	85	ADAMS	6.3
37	WELLS	7.7	87	WASHINGTON	6.2
42	NOBLE	7.6	87	DEKALB	6.2
42	WARRICK	7.6	89	WARREN	5.7
42	VIGO	7.6	90	BENTON	5.4
42	SPENCER	7.6	91	LAGRANGE	5.3
42	OHIO	7.6	92	UNION	5.2
				INDIANA	8.0

*Birthweight less than 2,500 grams.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Low Birthweight*, White Indiana Residents, 1999-2008

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	PIKE	9.8	46	LAKE	7.4
2	PERRY	9.3	46	HOWARD	7.4
3	SULLIVAN	9.1	46	JENNINGS	7.4
4	SCOTT	9.0	50	CLARK	7.3
5	RUSH	8.8	50	DECATUR	7.3
6	GRANT	8.7	50	VIGO	7.3
7	WABASH	8.6	53	HARRISON	7.2
7	FAYETTE	8.6	53	FRANKLIN	7.2
9	MORGAN	8.4	53	MIAMI	7.2
9	JAY	8.4	53	BARTHOLOMEW	7.2
11	DELAWARE	8.3	53	NEWTON	7.2
11	MARTIN	8.3	58	PUTNAM	7.1
13	KNOX	8.2	58	RIPLEY	7.1
13	CRAWFORD	8.2	58	CASS	7.1
13	VANDERBURGH	8.2	58	POSEY	7.1
16	RANDOLPH	8.1	58	SWITZERLAND	7.1
17	MADISON	8.0	63	OWEN	7.0
17	SHELBY	8.0	63	STARKE	7.0
17	GREENE	8.0	63	FULTON	7.0
20	PARKE	7.9	66	MONROE	6.9
20	JACKSON	7.9	67	DAVIESS	6.8
22	TIPTON	7.8	67	CLAY	6.8
22	BLACKFORD	7.8	67	HANCOCK	6.8
22	STEUBEN	7.8	67	ST. JOSEPH	6.8
22	HUNTINGTON	7.8	71	TIPPECANOE	6.7
22	VERMILLION	7.8	71	DUBOIS	6.7
27	FOUNTAIN	7.7	71	JOHNSON	6.7
27	NOBLE	7.7	74	JEFFERSON	6.6
27	WELLS	7.7	74	PORTER	6.6
27	LAPORTE	7.7	74	KOSCIUSKO	6.6
27	WAYNE	7.7	77	HAMILTON	6.5
27	HENRY	7.7	77	BOONE	6.5
33	GIBSON	7.6	77	HENDRICKS	6.5
33	MONTGOMERY	7.6	77	BROWN	6.5
33	OHIO	7.6	81	ELKHART	6.4
33	LAWRENCE	7.6	81	CARROLL	6.4
33	PULASKI	7.6	81	MARSHALL	6.4
33	ORANGE	7.6	84	WHITE	6.3
33	SPENCER	7.6	84	JASPER	6.3
33	WARRICK	7.6	84	ADAMS	6.3
33	ALLEN	7.6	84	WASHINGTON	6.3
42	CLINTON	7.5	88	DEKALB	6.2
42	DEARBORN	7.5	89	WARREN	5.6
42	FLOYD	7.5	90	LAGRANGE	5.4
42	MARION	7.5	91	BENTON	5.3
46	WHITLEY	7.4	92	UNION	5.2
				INDIANA	7.3

*Birthweight less than 2,500 grams.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Low Birthweight*, Black Indiana Residents, 1999-2008

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

RANK	COUNTY	PERCENT
1	DELAWARE	15.9
2	LAPORTE	14.9
3	ALLEN	14.6
4	LAKE	13.8
5	ST. JOSEPH	13.7
5	GRANT	13.7
7	CLARK	13.5
7	HOWARD	13.5
9	VANDERBURGH	13.4
9	FLOYD	13.4
9	ELKHART	13.4
9	WAYNE	13.4
13	MADISON	13.2
14	MARION	13.1
14	VIGO	13.1
16	MONROE	13.0
17	PORTER	11.4
18	TIPPECANOE	10.6
19	HAMILTON	8.8
20	HENDRICKS	7.6
	INDIANA	13.4

*Birthweight less than 2,500 grams.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Low Birthweight*, Non-Hispanic Indiana Residents, 1999-2008

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	LAKE	9.9	44	WELLS	7.6
1	STEUBEN	9.9	44	OHIO	7.6
3	PIKE	9.7	49	CASS	7.5
4	MARION	9.5	49	PULASKI	7.5
5	SULLIVAN	9.4	49	WARRICK	7.5
6	PERRY	9.3	52	DECATUR	7.4
7	GRANT	9.2	52	WHITLEY	7.4
8	DELAWARE	9.1	52	JENNINGS	7.4
9	SCOTT	9.0	52	BARTHOLOMEW	7.4
10	VANDERBURGH	8.9	56	FRANKLIN	7.3
11	ALLEN	8.8	56	MIAMI	7.3
11	LAPORTE	8.8	58	HARRISON	7.2
11	WABASH	8.8	58	FULTON	7.2
14	RUSH	8.7	58	PUTNAM	7.2
14	FAYETTE	8.7	58	POSEY	7.2
16	MADISON	8.5	62	ELKHART	7.1
16	JAY	8.5	62	NEWTON	7.1
18	MARTIN	8.4	64	OWEN	7.0
18	MORGAN	8.4	64	RIPLEY	7.0
18	SHELBY	8.4	64	SWITZERLAND	7.0
21	KNOX	8.3	64	STARKE	7.0
22	NOBLE	8.2	64	JEFFERSON	7.0
22	CLINTON	8.2	64	MONROE	7.0
22	ST. JOSEPH	8.2	70	DAVIESS	6.9
25	RANDOLPH	8.1	71	HANCOCK	6.8
25	WAYNE	8.1	71	TIPPECANOE	6.8
27	GREENE	8.0	71	WHITE	6.8
27	FLOYD	8.0	71	PORTER	6.8
27	CRAWFORD	8.0	71	CLAY	6.8
27	CLARK	8.0	76	JOHNSON	6.7
31	PARKE	7.9	76	DUBOIS	6.7
31	JACKSON	7.9	76	HAMILTON	6.7
31	HOWARD	7.9	79	BOONE	6.6
31	FOUNTAIN	7.9	79	CARROLL	6.6
31	BLACKFORD	7.9	79	KOSCIUSKO	6.6
36	HENRY	7.8	82	BROWN	6.5
36	HUNTINGTON	7.8	82	MARSHALL	6.5
36	VERMILLION	7.8	82	HENDRICKS	6.5
36	GIBSON	7.8	85	JASPER	6.4
40	MONTGOMERY	7.7	86	ADAMS	6.3
40	SPENCER	7.7	86	DEKALB	6.3
40	TIPTON	7.7	88	WASHINGTON	6.2
40	LAWRENCE	7.7	89	WARREN	5.8
44	VIGO	7.6	90	UNION	5.5
44	ORANGE	7.6	91	BENTON	5.4
44	DEARBORN	7.6	92	LAGRANGE	5.3
				INDIANA	8.1

*Birthweight less than 2,500 grams.
Note: Non-Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Low Birthweight*, Hispanic Indiana Residents, 1999-2008

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

RANK	COUNTY	PERCENT
1	HENDRICKS	7.8
2	VANDERBURGH	7.5
3	DAVIESS	7.4
4	LAKE	7.3
4	BARTHOLOMEW	7.3
4	GRANT	7.3
4	JACKSON	7.3
4	MADISON	7.3
9	ALLEN	7.2
9	KOSCIUSKO	7.2
11	PORTER	7.0
12	TIPPECANOE	6.9
13	MONTGOMERY	6.8
14	MONROE	6.6
14	HAMILTON	6.6
14	CLARK	6.6
17	LAPORTE	6.5
18	ST. JOSEPH	6.3
18	JOHNSON	6.3
20	MARION	6.1
21	DUBOIS	6.0
21	CASS	6.0
23	WAYNE	5.9
23	ELKHART	5.9
25	MARSHALL	5.5
26	CLINTON	5.2
27	NOBLE	4.8
	INDIANA	6.5

*Birthweight less than 2,500 grams.
Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Very Low Birthweight*, Total Population, Indiana Residents, 1999-2008

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

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	SULLIVAN	1.9	37	GIBSON	1.3
1	LAKE	1.9	37	HENRY	1.3
3	PERRY	1.8	37	MONROE	1.3
3	LAPORTE	1.8	37	BARTHOLOMEW	1.3
3	PIKE	1.8	37	WELLS	1.3
3	MARION	1.8	37	FRANKLIN	1.3
7	PULASKI	1.7	48	ORANGE	1.2
7	VANDERBURGH	1.7	48	NOBLE	1.2
9	ST. JOSEPH	1.6	48	JASPER	1.2
9	PARKE	1.6	48	DECATUR	1.2
9	RUSH	1.6	48	WHITE	1.2
9	MARTIN	1.6	48	HARRISON	1.2
9	JAY	1.6	48	CARROLL	1.2
9	CLARK	1.6	48	SPENCER	1.2
15	CLAY	1.5	48	POSEY	1.2
15	LAWRENCE	1.5	48	DEARBORN	1.2
15	ALLEN	1.5	48	MIAMI	1.2
15	WAYNE	1.5	48	HUNTINGTON	1.2
15	RANDOLPH	1.5	48	STARKE	1.2
15	TIPPECANOE	1.5	48	FOUNTAIN	1.2
15	DELAWARE	1.5	62	HAMILTON	1.1
15	VIGO	1.5	62	GREENE	1.1
15	FULTON	1.5	62	PORTER	1.1
15	SHELBY	1.5	62	MONTGOMERY	1.1
25	FAYETTE	1.4	62	WASHINGTON	1.1
25	CASS	1.4	62	BOONE	1.1
25	JENNINGS	1.4	62	MARSHALL	1.1
25	SCOTT	1.4	62	DUBOIS	1.1
25	KNOX	1.4	62	JOHNSON	1.1
25	WARRICK	1.4	71	WHITLEY	1.0
25	GRANT	1.4	71	DEKALB	1.0
25	MADISON	1.4	71	RIPLEY	1.0
25	MORGAN	1.4	71	HANCOCK	1.0
25	FLOYD	1.4	71	PUTNAM	1.0
25	CLINTON	1.4	71	OWEN	1.0
25	JACKSON	1.4	71	HENDRICKS	1.0
37	TIPTON	1.3	71	JEFFERSON	1.0
37	STEUBEN	1.3	71	KOSCIUSKO	1.0
37	WABASH	1.3	80	ADAMS	0.9
37	ELKHART	1.3	80	DAVIESS	0.9
37	HOWARD	1.3	82	LAGRANGE	0.7
				INDIANA	1.4

*Birthweight less than 1,500 grams.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Very Low Birthweight*, White Indiana Residents, 1999-2008

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

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	SULLIVAN	1.9	27	MADISON	1.3
2	PERRY	1.8	43	NOBLE	1.2
2	PIKE	1.8	43	BARTHOLOMEW	1.2
2	PULASKI	1.8	43	POSEY	1.2
5	RUSH	1.6	43	CARROLL	1.2
5	MARTIN	1.6	43	ALLEN	1.2
5	PARKE	1.6	43	DELAWARE	1.2
5	JAY	1.6	43	HOWARD	1.2
5	VANDERBURGH	1.6	43	DEARBORN	1.2
5	CLAY	1.6	43	DECATUR	1.2
5	LAWRENCE	1.6	43	JASPER	1.2
12	FULTON	1.5	43	WHITE	1.2
13	RANDOLPH	1.4	43	GRANT	1.2
13	TIPPECANOE	1.4	43	HUNTINGTON	1.2
13	JENNINGS	1.4	43	ELKHART	1.2
13	WAYNE	1.4	43	FOUNTAIN	1.2
13	FAYETTE	1.4	43	MIAMI	1.2
13	CASS	1.4	43	HARRISON	1.2
13	CLARK	1.4	60	SPENCER	1.1
13	VIGO	1.4	60	GREENE	1.1
13	FLOYD	1.4	60	HAMILTON	1.1
13	MORGAN	1.4	60	MARSHALL	1.1
13	SCOTT	1.4	60	STARKE	1.1
13	KNOX	1.4	60	DUBOIS	1.1
13	SHELBY	1.4	60	WASHINGTON	1.1
13	CLINTON	1.4	60	MONTGOMERY	1.1
27	LAPORTE	1.3	60	JOHNSON	1.1
27	JACKSON	1.3	60	PORTER	1.1
27	TIPTON	1.3	60	BOONE	1.1
27	WARRICK	1.3	60	WHITLEY	1.1
27	LAKE	1.3	60	PUTNAM	1.1
27	WABASH	1.3	73	JEFFERSON	1.0
27	HENRY	1.3	73	RIPLEY	1.0
27	STEUBEN	1.3	73	HENDRICKS	1.0
27	ST. JOSEPH	1.3	73	DEKALB	1.0
27	WELLS	1.3	73	OWEN	1.0
27	GIBSON	1.3	78	KOSCIUSKO	0.9
27	MONROE	1.3	78	HANCOCK	0.9
27	FRANKLIN	1.3	78	ADAMS	0.9
27	ORANGE	1.3	78	DAVIESS	0.9
27	MARION	1.3	82	LAGRANGE	0.7
				INDIANA	1.2

*Birthweight less than 1,500 grams.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Very Low Birthweight*, Black Indiana Residents, 1999-2008

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

RANK	COUNTY	PERCENT
1	LAPORTE	4.6
2	DELAWARE	3.7
3	CLARK	3.5
4	ALLEN	3.3
4	ST. JOSEPH	3.3
6	ELKHART	3.2
7	GRANT	3.1
7	TIPPECANOE	3.1
9	VIGO	3.0
9	MARION	3.0
9	LAKE	3.0
12	MADISON	2.7
13	VANDERBURGH	2.6
14	HOWARD	2.4
	INDIANA	3.1

*Birthweight less than 1,500 grams.

Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Very Low Birthweight*, Non-Hispanic Indiana Residents, 1999-2008

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

RANK	COUNTY	PERCENT	RANK	COUNTY	PERCENT
1	STEUBEN	2.3	37	HENRY	1.3
2	LAKE	2.0	37	WHITE	1.3
3	SULLIVAN	1.9	37	CARROLL	1.3
4	MARION	1.8	37	HOWARD	1.3
4	PERRY	1.8	37	FRANKLIN	1.3
4	LAPORTE	1.8	37	NOBLE	1.3
4	PULASKI	1.8	37	WELLS	1.3
4	PIKE	1.8	37	MONROE	1.3
9	VANDERBURGH	1.7	50	DECATUR	1.2
9	ST. JOSEPH	1.7	50	JASPER	1.2
9	JAY	1.7	50	BARTHOLOMEW	1.2
12	MARTIN	1.6	50	HARRISON	1.2
12	PARKE	1.6	50	ORANGE	1.2
12	RUSH	1.6	50	POSEY	1.2
12	CLARK	1.6	50	SPENCER	1.2
12	RANDOLPH	1.6	50	FOUNTAIN	1.2
17	LAWRENCE	1.5	50	HUNTINGTON	1.2
17	CASS	1.5	50	STARKE	1.2
17	CLAY	1.5	50	MIAMI	1.2
17	WAYNE	1.5	50	DEARBORN	1.2
17	CLINTON	1.5	50	HAMILTON	1.2
17	ALLEN	1.5	63	GREENE	1.1
17	VIGO	1.5	63	MONTGOMERY	1.1
17	SHELBY	1.5	63	MARSHALL	1.1
17	DELAWARE	1.5	63	PORTER	1.1
17	FAYETTE	1.5	63	WASHINGTON	1.1
27	TIPPECANOE	1.4	63	BOONE	1.1
27	FULTON	1.4	63	JOHNSON	1.1
27	GRANT	1.4	70	PUTNAM	1.0
27	MADISON	1.4	70	RIPLEY	1.0
27	MORGAN	1.4	70	DUBOIS	1.0
27	WARRICK	1.4	70	JEFFERSON	1.0
27	FLOYD	1.4	70	WHITLEY	1.0
27	KNOX	1.4	70	HANCOCK	1.0
27	ELKHART	1.4	70	DEKALB	1.0
27	JENNINGS	1.4	70	HENDRICKS	1.0
37	WABASH	1.3	70	OWEN	1.0
37	SCOTT	1.3	70	KOSCIUSKO	1.0
37	JACKSON	1.3	80	ADAMS	0.9
37	TIPTON	1.3	81	DAVIESS	0.8
37	GIBSON	1.3	82	LAGRANGE	0.7
				INDIANA	1.5

*Birthweight less than 1,500 grams.
Note: Non-Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

Very Low Birthweight*, Hispanic Indiana Residents, 1999-2008

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

RANK	COUNTY	PERCENT
1	TIPPECANOE	1.7
2	ALLEN	1.6
3	LAKE	1.3
4	ELKHART	1.1
4	ST. JOSEPH	1.1
4	MARION	1.1
	INDIANA	1.2

*Birthweight less than 1,500 grams.
Note: Hispanic ethnicity can be of any race.
Source: Indiana State Department of Health, ERC, Data Analysis Team, 2012

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.

Fetal Mortality - A death prior to a completed delivery of a fetus of 20 or more weeks gestation. The fetal death rate is calculated by taking fetal deaths divided by (fetal deaths plus live births) multiplied by 1,000.

First Trimester - The first three months of pregnancy.

Infant Mortality - The death of an infant less than one year old. The infant mortality rate 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.

Perinatal Mortality - Perinatal deaths are fetal deaths plus neonatal deaths. The rate is calculated by taking (fetal deaths + neonatal deaths) divided by (fetal deaths + live births) multiplied by 1,000.

Preterm Births – Delivery of a liveborn infant prior to 37 weeks gestation. Starting with this report, the Data Analysis Team (Epidemiology Resource Center) at the Indiana State Department of Health calculated the preterm data by using the calculated gestation based on last normal menses and date of birth, as the National Center for Health Statistics (NCHS) and some other states do. Therefore, you may compare our data with the national data. However, the preterm data in this report will not be comparable with the preterm data in the previous MCH Outcomes reports or the 1998 through 2007 Indiana Natality Reports. Please see Preface for more details.

Postneonatal Mortality - The death of an infant 28 days to 364 days old. The rate is calculated by taking the number of postneonatal 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 postneonatal 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 is less than 20, the rate is unstable. A small change in the numerator 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.).