The background of the cover is a photograph of a stone fortification tower, likely Fort Mifflin, situated on a grassy bank next to a body of water. The tower is constructed from large, light-colored stone blocks and has several small, dark windows. A metal railing is visible on the top edge of the tower. The sky is blue with scattered white clouds. In the distance, a flat landscape with some buildings and trees is visible under a clear sky.

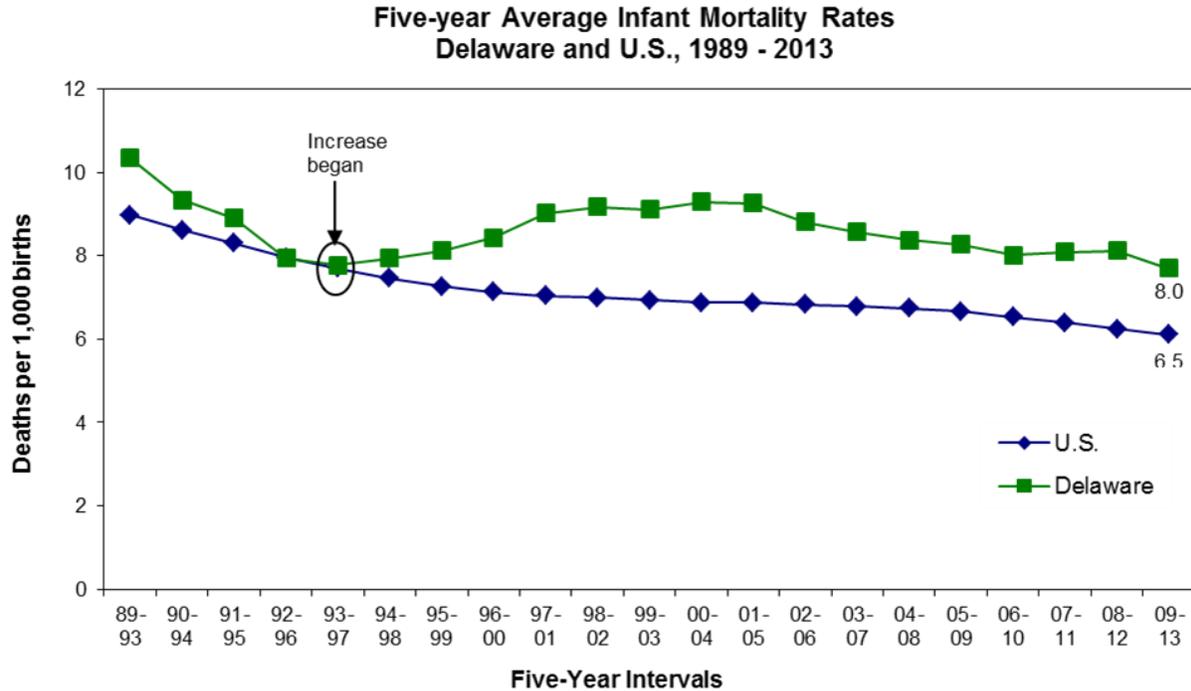
Delaware Vital Statistics Annual Report Infant Mortality, 2013

Suggested Citation:

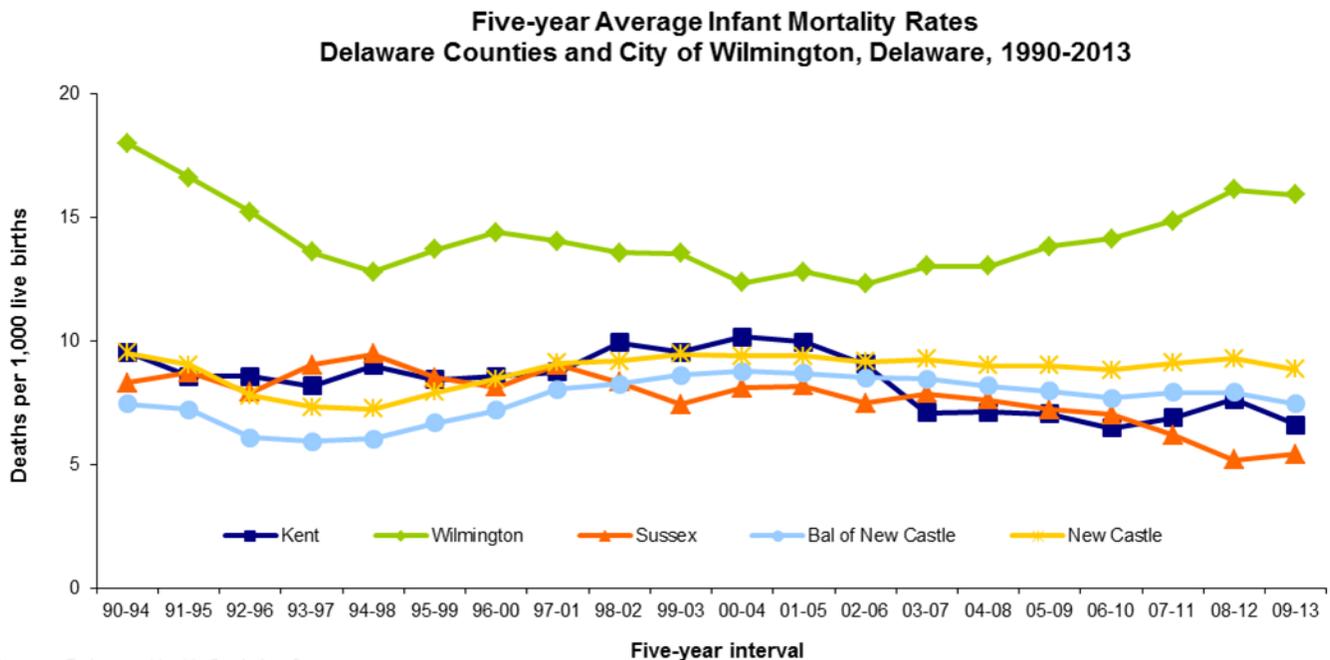
*Delaware Health Statistics Center. Delaware Vital Statistics Annual Report, 2016.
Delaware Department of Health and Social Services, Division of Public Health: 2016.*

INFANT MORTALITY

Between 2008-2012 and 2009-2013, Delaware's infant mortality rate (IMR) decreased to 7.7 infant deaths per 1,000 live births, resulting in a total decline of 17.2 percent from its 2000-2004 peak of 9.3 infant deaths per 1,000 live births. At 6.1, the U.S. rate remained significantly lower than the Delaware rate.

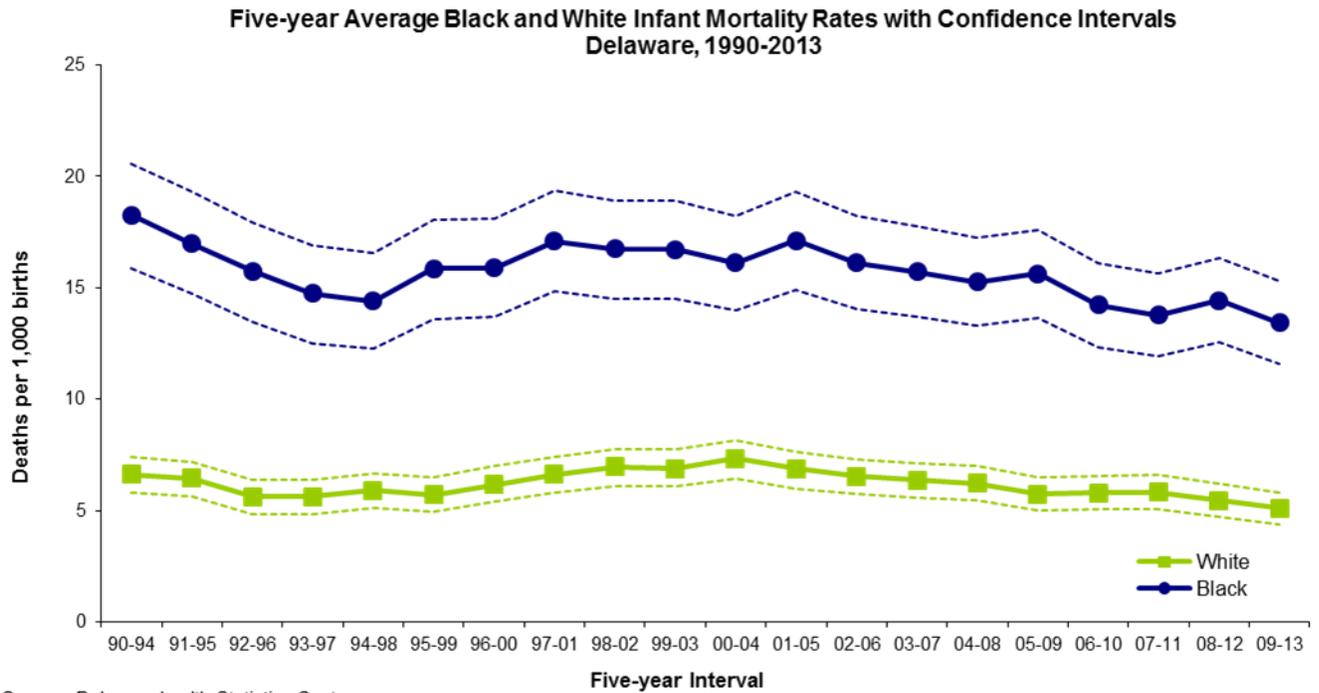


Wilmington's IMR decreased for the first time in five years. The combination of Wilmington's high IMR and a high IMR in the balance of New Castle County, resulted in New Castle County's IMR being higher than the IMRs of both Kent and Sussex Counties. Although the IMR of Sussex increased from 2008-2012 to 2009-2013, Sussex's IMR remained the lowest. In 2009-2013, the balance of New Castle County's IMR was 7.5; Wilmington's IMR was 15.9; Kent County's IMR was 6.6; and Sussex County's IMR was 5.4.

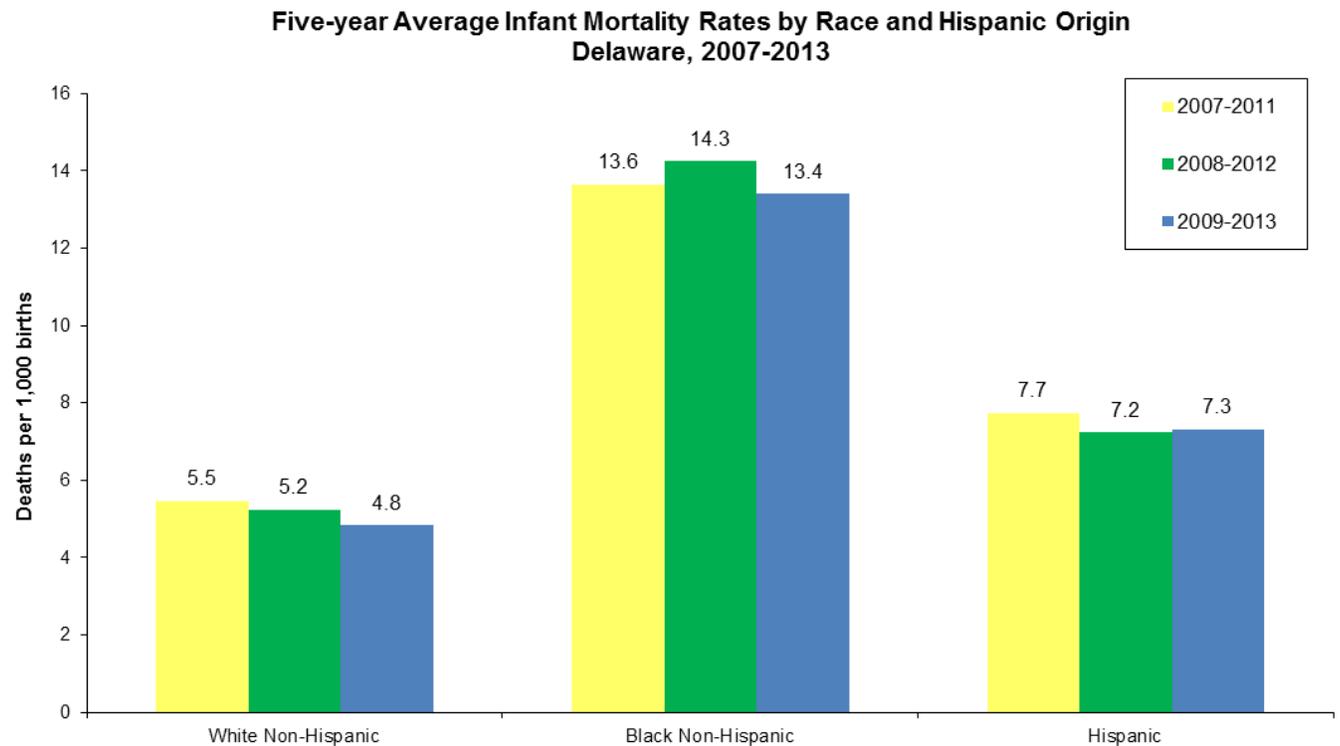


INFANT MORTALITY

Black infants experienced significantly higher mortality rates than white infants, and from 1990-1994 to 2009-2013, black IMRs went from 2.8 to 2.6 times that of white IMRs.



Significant disparities existed between black non-Hispanics and each of the two other groups, white non-Hispanics and Hispanics. Black non-Hispanics had the highest IMRs in all three time periods, and their rate of 13.4 in 2009-2013 was more than double the white non-Hispanic rate of 4.8 and nearly twice the Hispanic rate of 7.3 infant deaths per 1,000 live births.



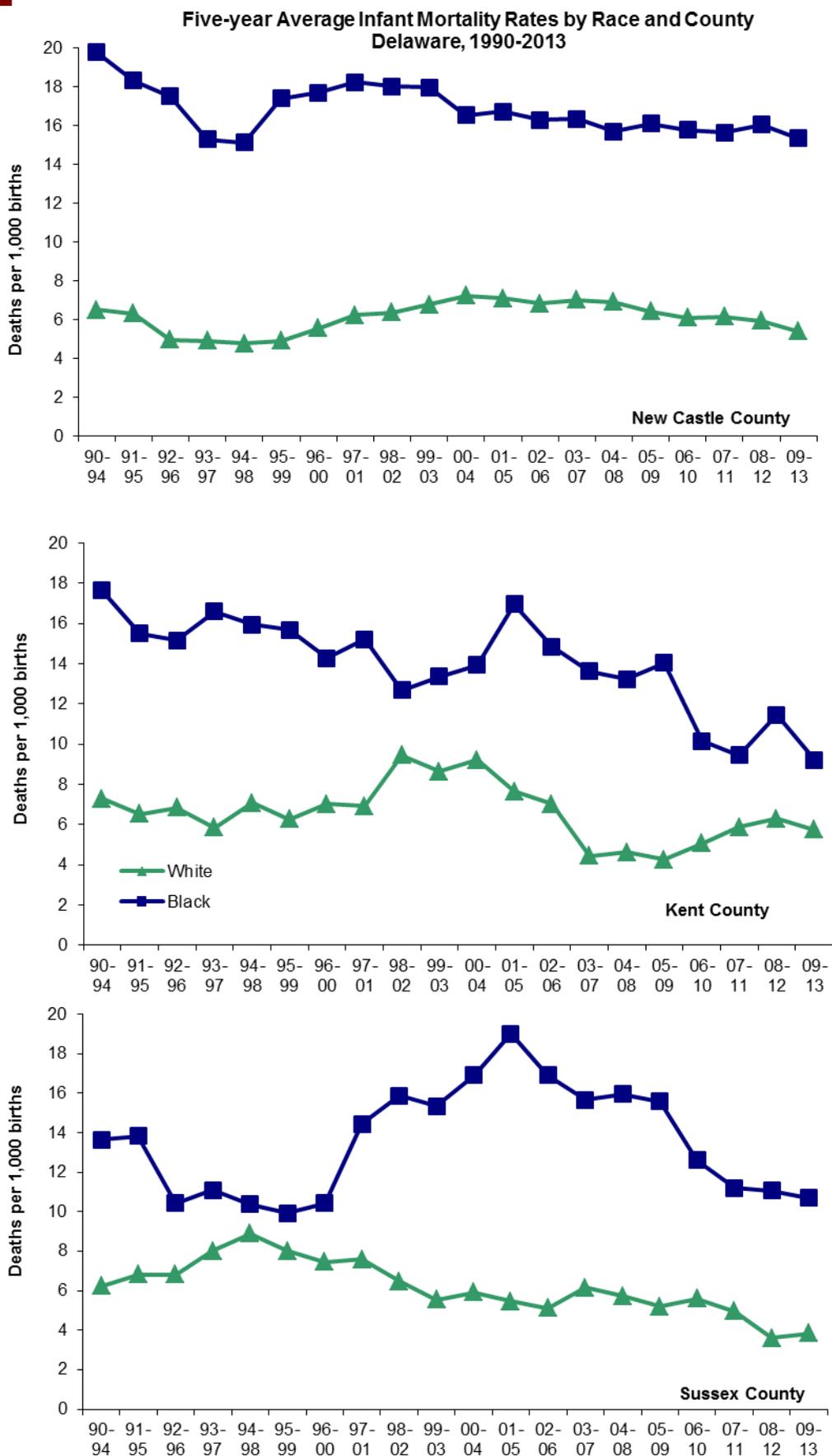
INFANT MORTALITY

In 2009-2013, New Castle County had the highest IMRs and Sussex County had the lowest.

Black IMRs in New Castle County have hovered around 16 since 2002-2006, and in 2009-2013 the black IMR was 15.3 infant deaths per 1,000 live births. White IMRs decreased in that time frame from 6.8 to 5.4 infant deaths per 1,000 live births.

Black IMRs in Kent County peaked at 17 in 2001-2005; the recent drop in 2009-2013 resulted in a 46 percent reduction in black IMRs between 2001-2005 and 2009-2013. Despite increasing since their 2005-2009 rate, the white IMR in Kent County was 25 percent lower in 2009-2013 than in 2001-2005.

Sussex County's black IMR dropped to 10.7 in 2009-2013, its lowest rate since 1996-2000, and a 44 percent reduction from the 2001-2005 peak of 19. Sussex County's white IMR has fluctuated between 5 and 6 since 1999-2003, and in 2009-2013 the rate dropped to 3.8 infant deaths per 1,000 births.



Source: Delaware Health Statistics Center

INFANT MORTALITY- Leading Causes of Death

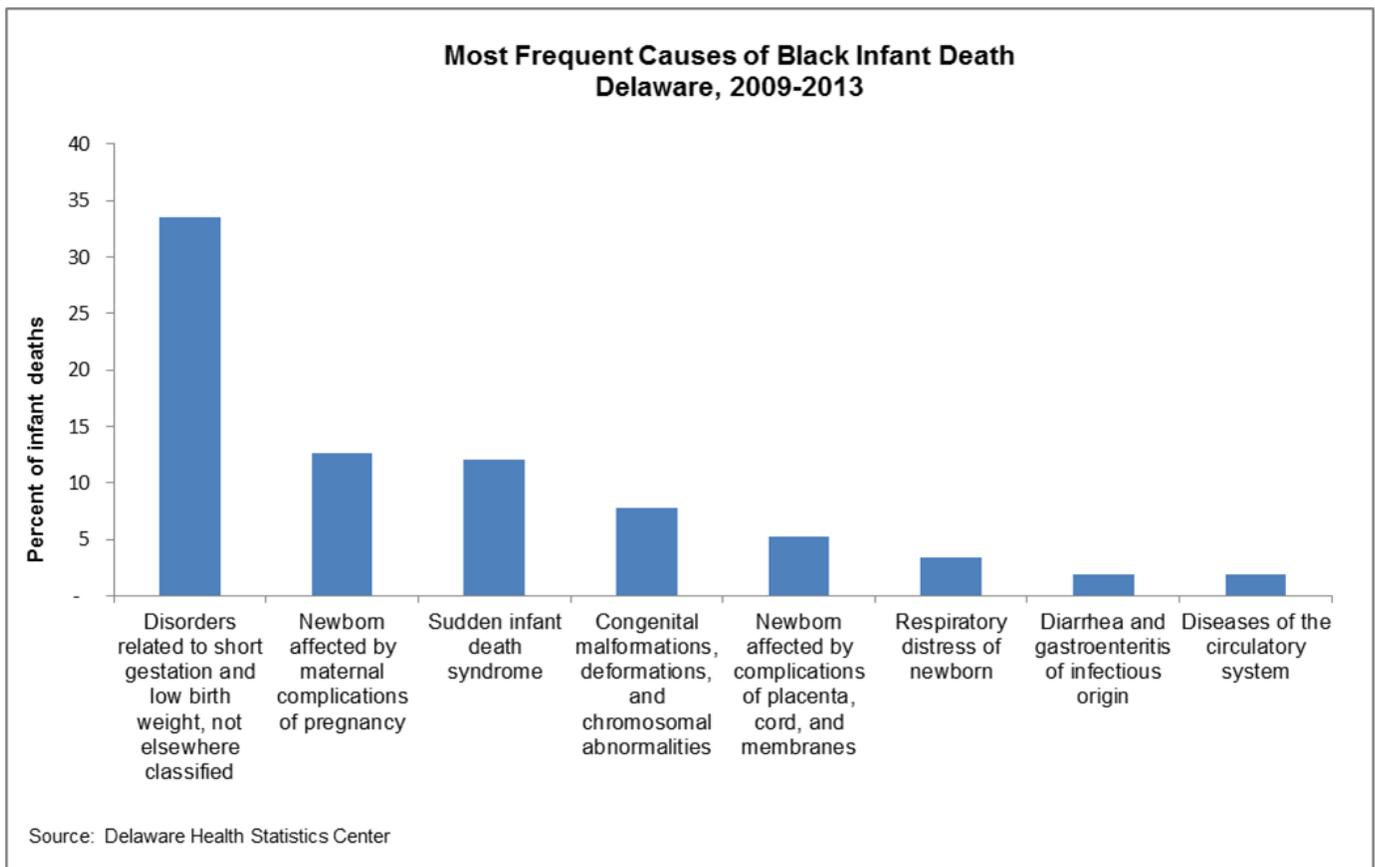
In 2009-2013, the five leading causes of infant death were:

- Disorders related to short gestation and fetal malnutrition (prematurity and low birthweight), which accounted for 24.7 percent of infant deaths.
- Congenital anomalies (birth defects), which accounted for 15.2 percent of infant deaths.
- Sudden infant death syndrome (SIDS), which accounted for 11.0 percent of infant deaths.
- Newborns affected by maternal complications of pregnancy, which accounted for 10.3 percent of infant deaths. Of the 44 deaths attributed to this cause, 38 were due to newborns being affected by incompetent cervix and premature rupture of membranes.
- Newborns affected by complications of placenta, cord, and membranes (4.9 percent).

In sum, the five most common causes of infant death accounted for 66 percent, or 283 of the 429 total infant deaths.

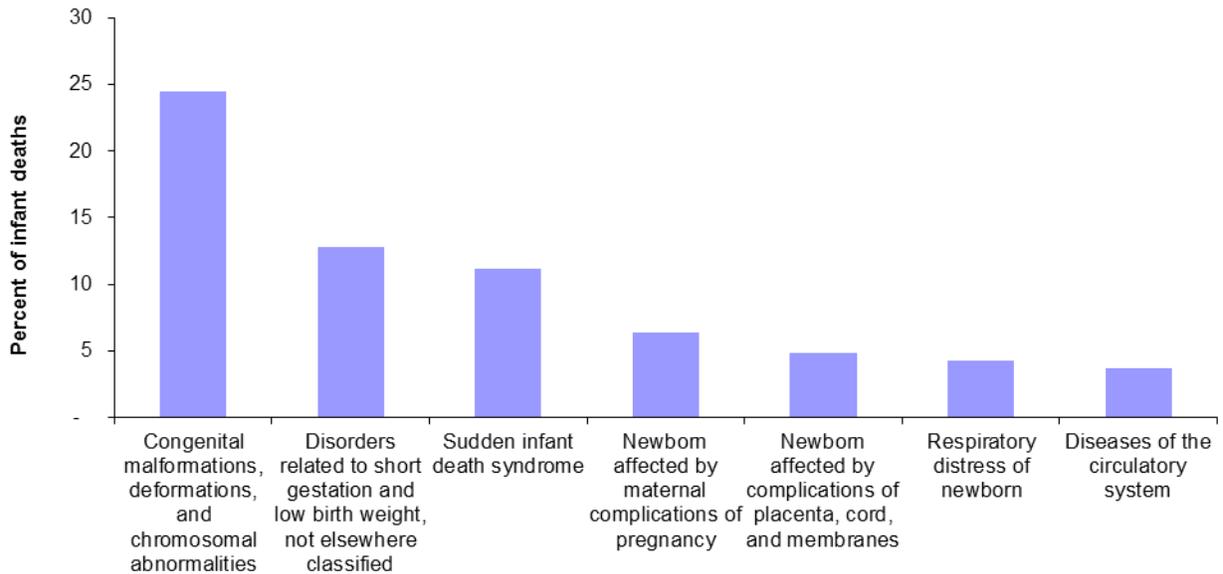
The most frequent causes of death by race are shown in the graphs below and on the following page. SIDS and disorders related to short gestation and low birthweight were listed in the top three most frequent causes of death for both black and white infants.

Though the proportions of deaths by race were similar for many of the causes of death, notable exceptions were birth defects, disorders due to prematurity and low birthweight, and SIDS. While birth defects were responsible for 24.5 percent of all white infant deaths, they accounted for only 7.8 percent of black infant deaths. Conversely, infant deaths due to disorders related to prematurity and low birthweight and SIDS accounted for larger percentages of black infant deaths than white infant deaths (33.5 versus 12.8 percent for prematurity and low birthweight, and 12.1 versus 11.2 percent for SIDS).



INFANT MORTALITY- Leading Causes of Death

**Most Frequent Causes of White Infant Deaths
Delaware, 2009-2013**

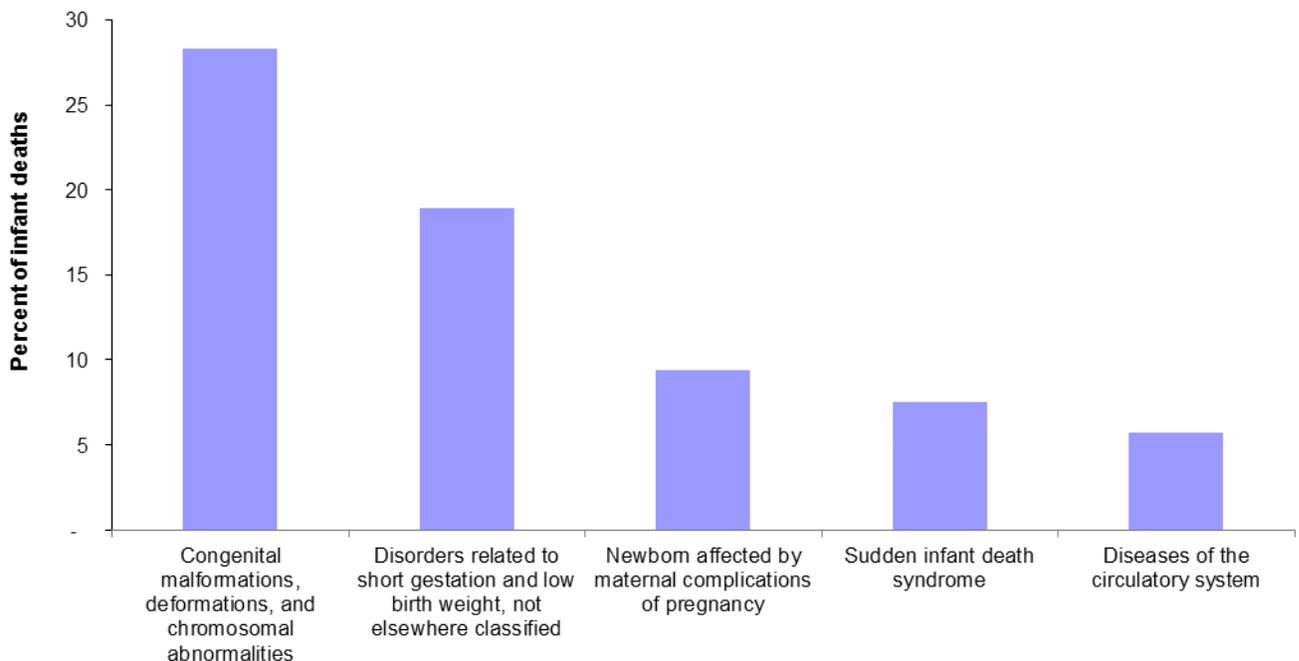


Source: Delaware Health Statistics Center

In 1989-1993, Hispanics accounted for 3.6 percent of all live births and 3.4 percent of infant deaths. Since that time, the proportion of births to Hispanic mothers has nearly quadrupled. In the most recent five-year period, 2009-2013, 13.0 percent of all live births were to Hispanic mothers, and 12.4 percent of all infant deaths were of Hispanic origin.

Two causes of death accounted for the greatest number of Hispanic infant deaths: birth defects and disorders related to prematurity and low birthweight.

**Most Frequent Causes of Hispanic Infant Deaths
Delaware, 2009-2013**

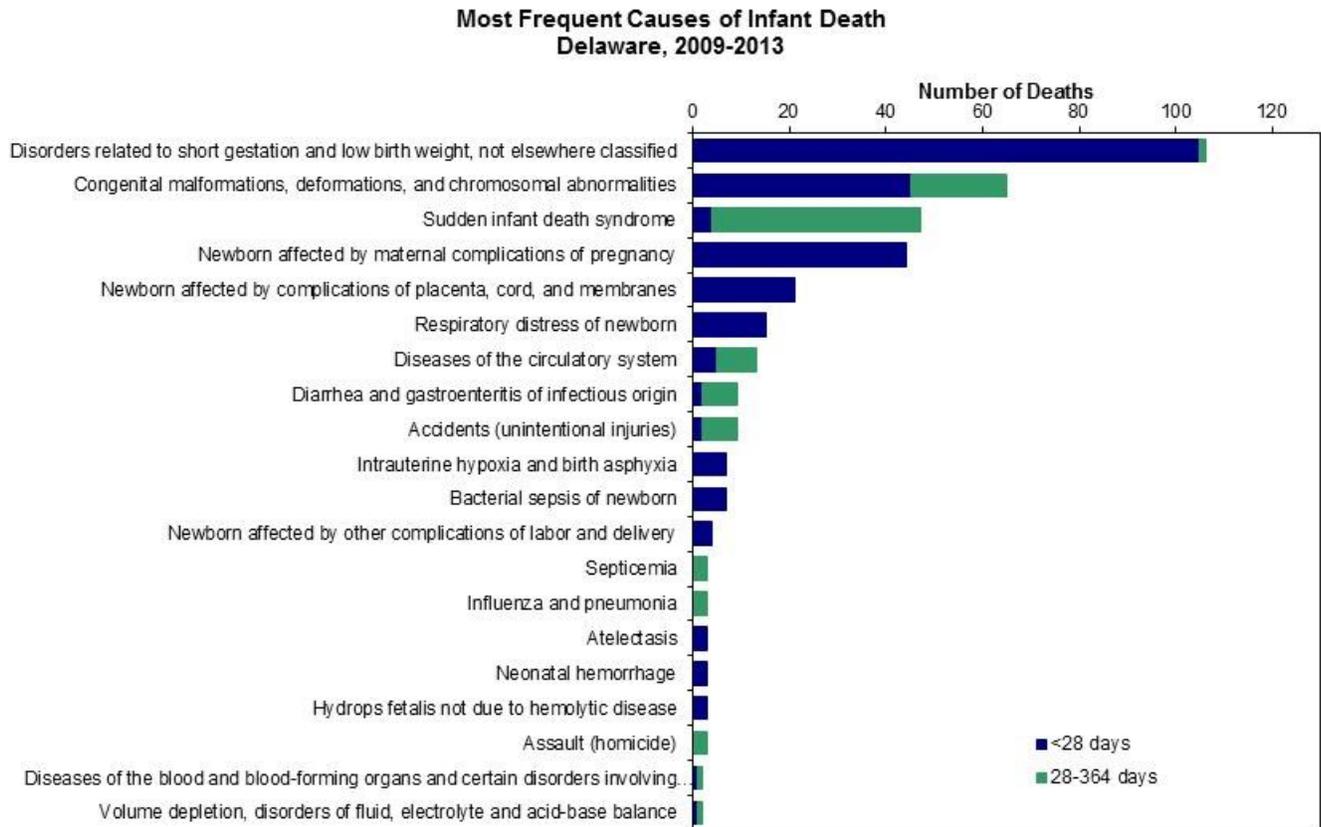


Source: Delaware Health Statistics Center

INFANT MORTALITY - Leading Causes of Death

Approximately 92 percent of all infant deaths occurred within the first six months of life, 72 percent of all infant deaths occurred within the first 28 days of life, and 43 percent of all infant deaths occurred within 24 hours of birth.

The graph below displays deaths by specific cause and the infant's age classification at death: neonatal (<28 days), or postneonatal (28-364 days).



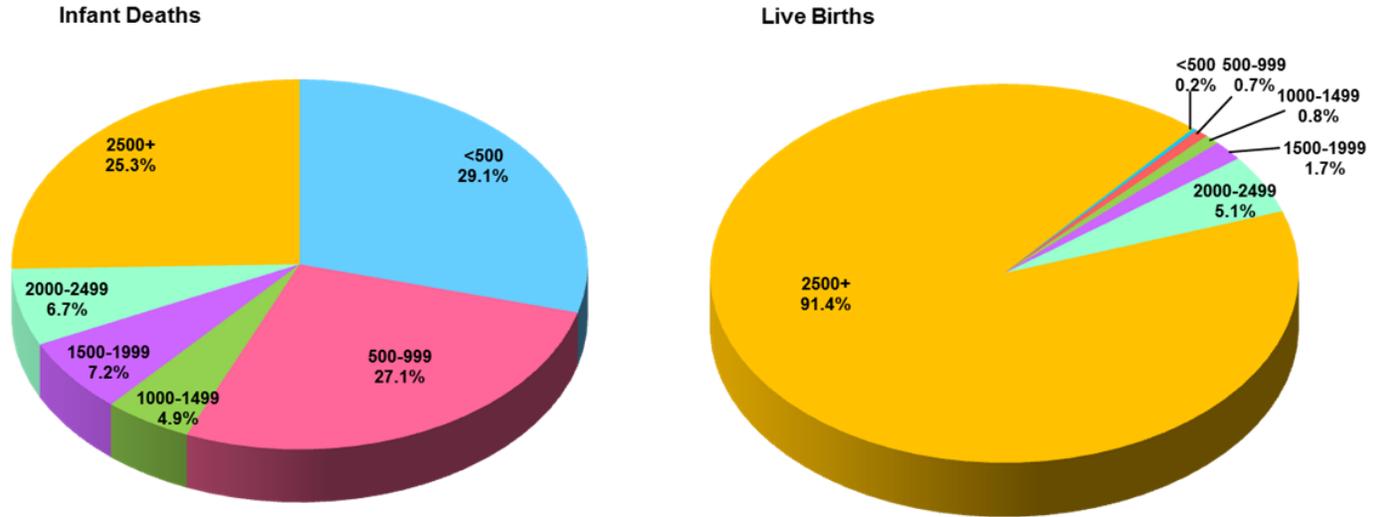
Source: Delaware Health Statistics Center

- Prematurity and low birthweight accounted for the greatest number of infant deaths in 2009-2013; all but one of these deaths occurred in the neonatal period.
- Sudden infant death syndrome (SIDS) was the only one of the top five causes of death that had the majority of deaths occurring in the postneonatal period, with a mean age at death of 118 days. Although fewer infants died in 2009-2013 compared to 2008-2012 and less infants died due to SIDS, it remained to be the third leading cause of infant death in 2009-2013.
 - ⇒ 36 percent (17 out of 47) of the SIDS deaths in 2009-2013 were associated with co-sleeping and/or sleeping on soft surfaces, such as couches and adult beds.
- During 2009-2013, there were nine additional infant deaths coded under a different cause of death, that were associated with co-sleeping and/or sleeping on a soft surface. In total, 6.1 percent of all infant deaths in 2009-2013 were associated with co-sleeping and/or unsafe sleep practices.

INFANT MORTALITY - Live Birth Cohort

Though only 1 percent of all live births in 2008-2012 were infants weighing less than 1000 grams, they accounted for over half (56 percent) of all infant deaths. In total, 8.5 percent of all live births in 2008-2012 were infants of low birthweight (under 2500 grams) and 75 percent of infant deaths were low birthweight.

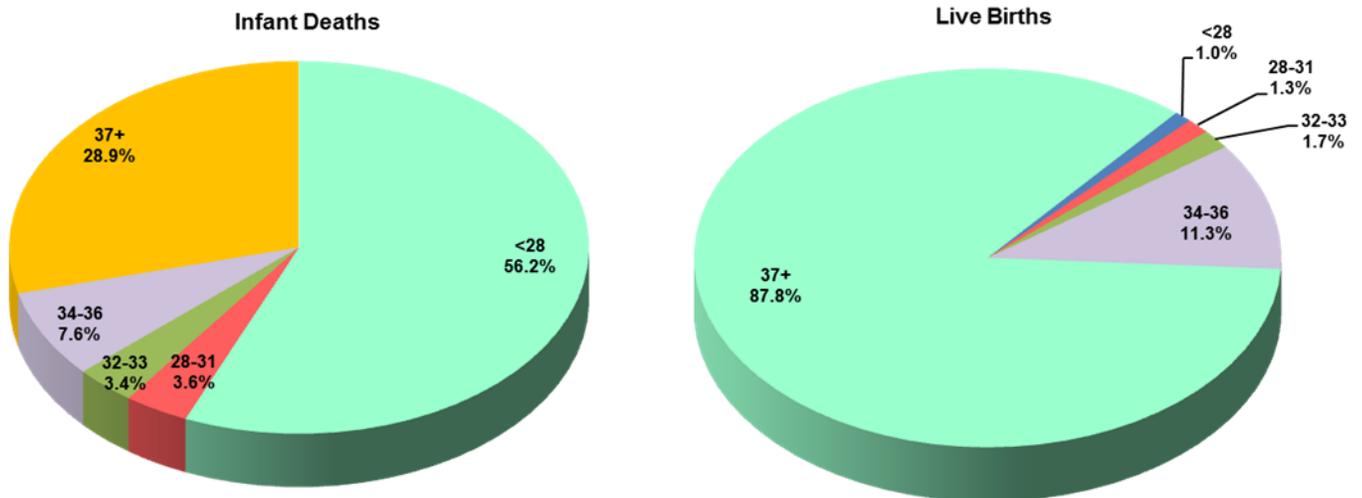
Distribution by Birthweight, Delaware Live Birth Cohort, 2008-2012



Gestation and infant death demonstrated the same relationship as birthweight and infant death. Infants born at the youngest gestational age made up a very small percentage of live births, yet they accounted for the majority of infant deaths.

One percent of live births in 2008-2012 was less than 28 weeks gestation at birth, but those births accounted for 56 percent of all infant deaths. In total, 15 percent of all live births in 2008-2012 were born pre-term (<37 weeks of gestation) and 71 percent of infant deaths were born pre-term.

Distribution by Gestation, Delaware Live Birth Cohort, 2008-2012



Source: Delaware Health Statistics Center

INFANT MORTALITY - Live Birth Cohort

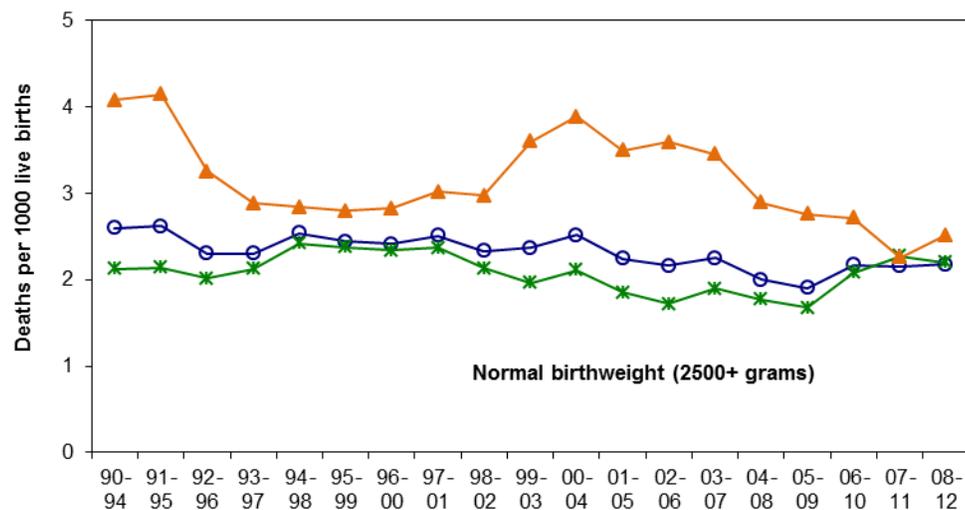
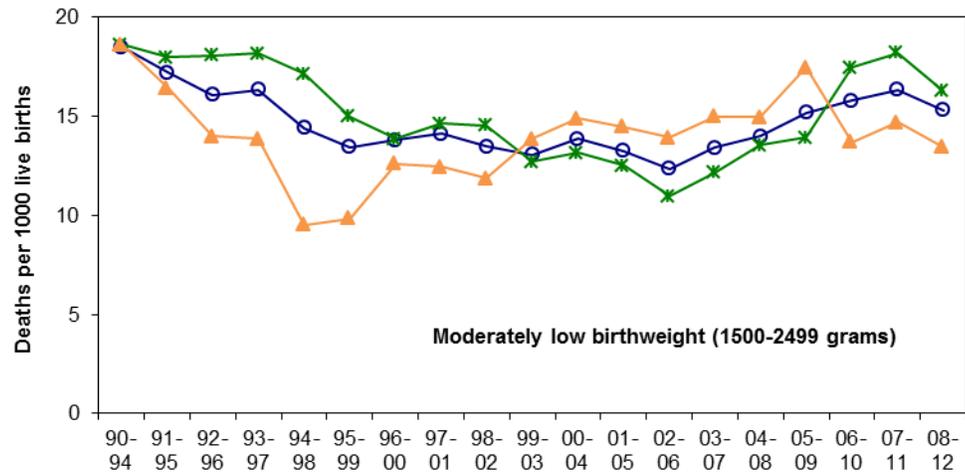
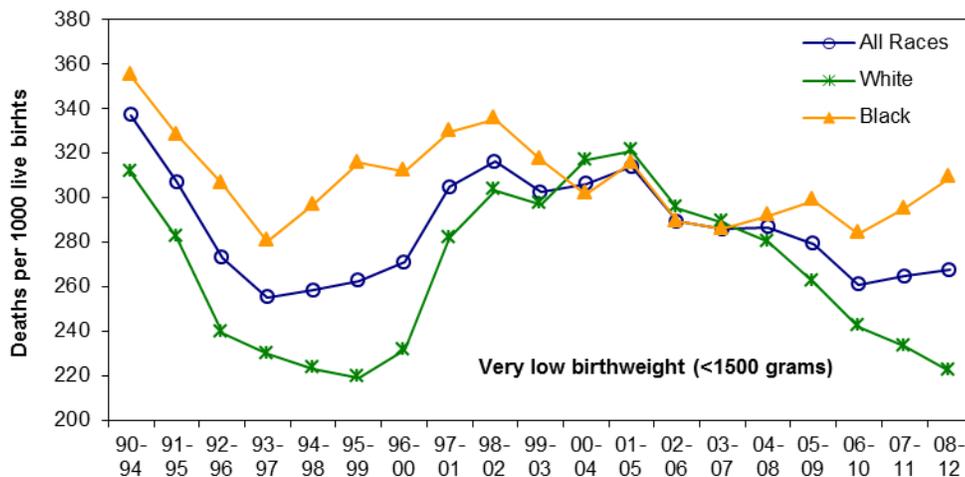
Birthweight and gestation are considered to be the most important predictors of infant health and mortality risk. Infants born too small or too early have a much greater risk of mortality than those who reach a normal birthweight (2,500+ grams) or full-term gestation (37+ weeks).

The IMR for very low birthweight (VLBW) black infants increased in 2008-2012 while the IMR for VLBW white infants decreased for the fifth straight year. In 2008-2012, IMRs for white and black VLBW infants were 309 and 222 infant deaths per 1,000 live births.

Although IMRs for moderately LBW infants of all races fluctuated, there was a negligible increase of less than 1 percent between 2000-2004 and 2008-2012. During that time, white IMRs increased 23 percent while the black IMR decreased 10 percent, which made their rates lower than the white rates (13.4 vs 16.3).

The IMR for all races remained the same from 2007-2011 to 2008-2012. IMRs for normal birthweight white infants experienced a slight increase since 2000-2004, while the IMRs for black infants declined 36 percent between 2000-2004 and 2008-2012. The divergent movement in black and white rates in the most recent year narrowed the black/white disparity ratio. In 2008-2012, the black IMR for normal birthweight infants was 2.5, versus 2.2 for white infants of normal birthweight.

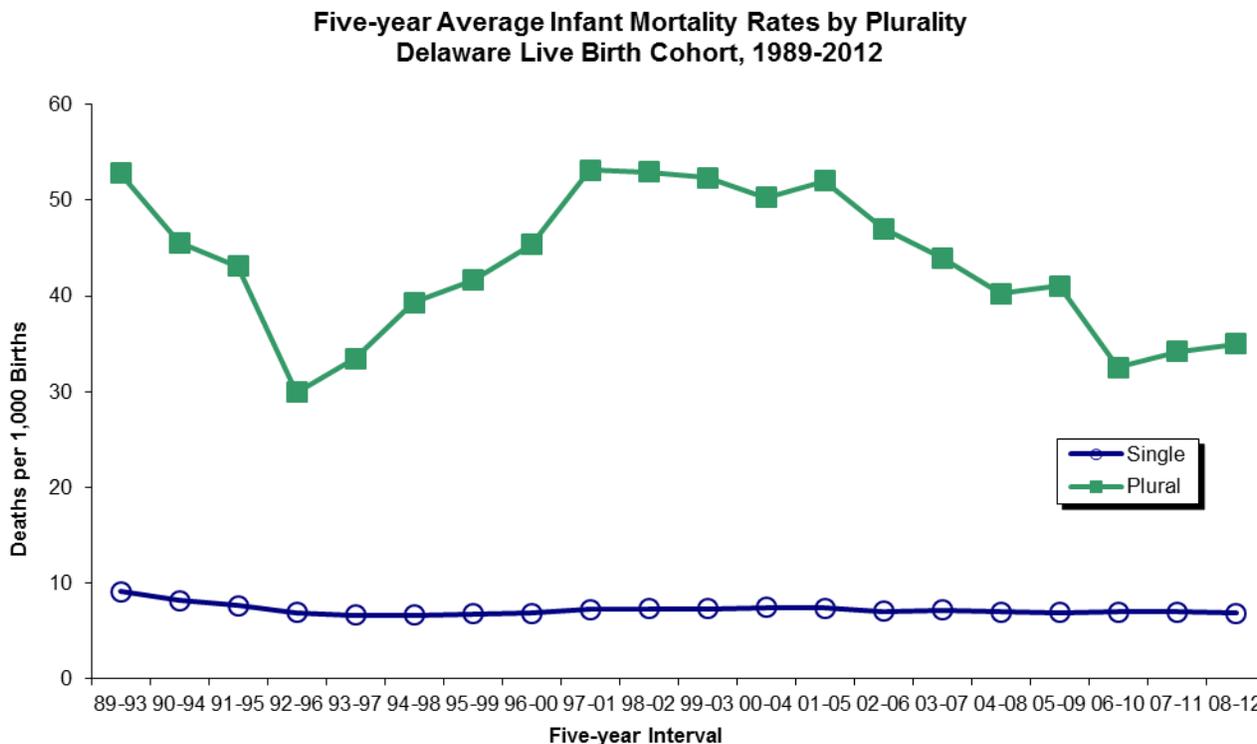
Five-year Average Infant Mortality Rate by Birthweight and Race Delaware, 1990-2012 Live Birth Cohort



Source: Delaware Health Statistics Center

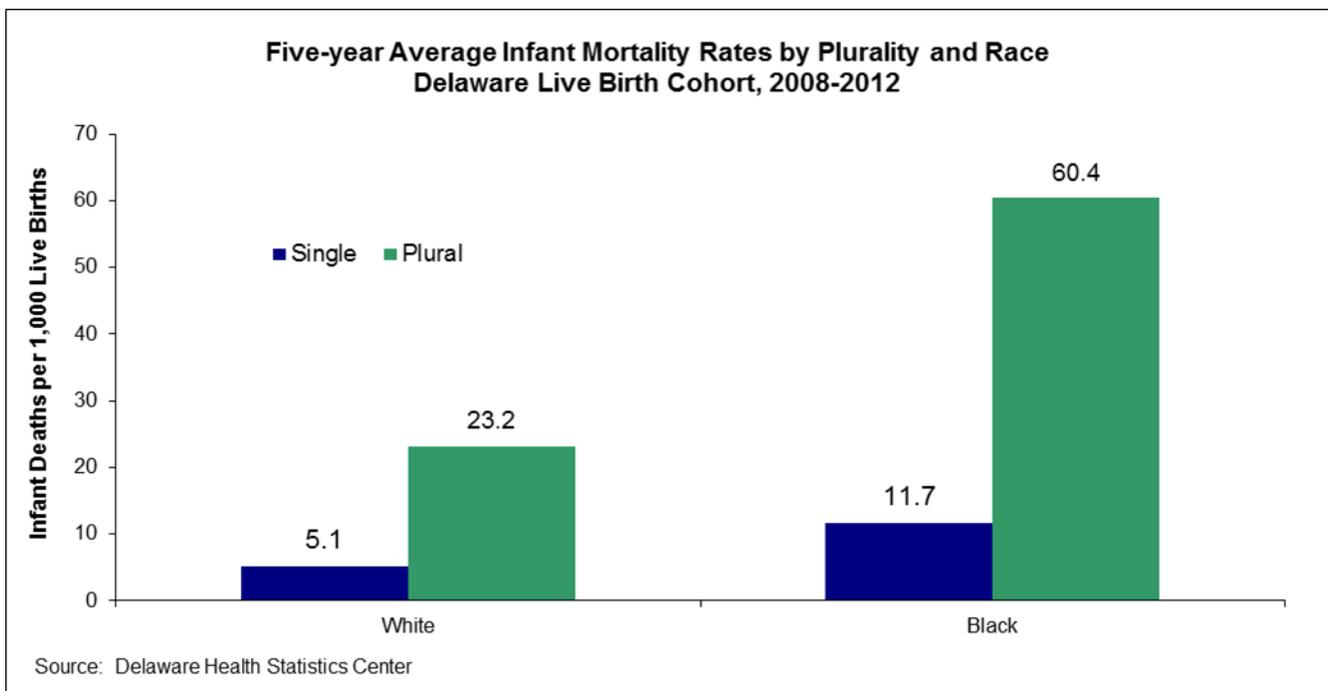
INFANT MORTALITY - Live Birth Cohort

From 1992-1996 to 1997-2001, IMRs for plural births increased 77 percent, to 53.1 deaths per 1000 live births. During the same time, IMRs for singleton births increased by 5 percent. Since then, plural IMRs, decreased 34 percent, with a gradual increase occurring in 2008-2012. IMRs for singleton births experienced a slight decrease of 1 percent. In 2008-2012, the infant mortality rate for plural births was five times that of singleton births (35 versus 6.9).



Source: Delaware Health Statistics Center

The magnitude of difference between singleton and plural IMRs remained the same regardless of race, though rates for black infants, both singleton and plural, were more than double those of white infants.



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TABLE E-1
NUMBER OF INFANT DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1996-2013

Area/ Race	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
U.S.																		
All Races	28237	28045	28371	27937	28035	27568	28034	28025	27936	28440	28527	29138	28059	26412	24586	23985	23629	23446*
White	18749	18539	18561	18067	18144	17955	18369	18440	18231	18514	18403	18807	18164	16817	15954	15460	15258	15152*
Black	8490	8496	8726	8822	8771	8498	8524	8402	8494	8695	8858	8944	8543	8312	7401	7284	7095	6862*
Other	998	1010	1084	1048	1120	1115	1141	1183	1211	1231	1266	1387	1352	1283	1231	1241	1276	1432*
Delaware																		
All Races	77	81	103	81	102	114	96	107	97	106	99	91	101	91	88	98	84	68
White	43	42	54	31	65	60	57	53	51	48	50	52	49	30	47	48	34	30
Black	32	36	49	49	37	53	35	53	44	55	44	38	52	54	36	38	44	34
Other	2	3	0	1	0	1	4	1	2	3	5	1	0	7	5	12	6	4
Kent																		
All Races	17	14	18	10	21	19	27	16	17	21	13	9	18	18	15	17	17	6
White	11	4	13	4	16	10	22	8	8	6	7	4	10	6	12	13	7	5
Black	6	10	5	6	5	9	5	8	8	14	5	4	8	12	3	3	10	1
Other	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0
New Castle																		
All Races	48	48	65	61	67	72	55	78	60	68	68	60	70	57	58	74	58	48
White	21	26	27	22	40	37	30	37	33	35	31	33	32	18	24	29	24	17
Black	26	20	38	38	27	35	22	40	27	31	35	27	38	34	30	34	28	28
Other	1	2	0	1	0	0	3	1	0	2	2	0	0	5	4	11	6	3
Wilmington																		
All Races	19	14	18	20	16	17	12	18	12	18	16	17	19	18	18	17	20	14
White	1	4	2	4	4	2	2	4	4	3	2	3	7	0	4	2	8	2
Black	18	10	16	16	12	15	10	14	8	15	14	14	12	16	13	15	11	11
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	1
Balance of NC County																		
All Races	29	34	47	41	51	55	43	60	48	50	52	43	51	39	40	57	38	34
White	20	22	25	18	36	35	28	33	29	32	29	30	25	18	20	27	16	15
Black	8	10	22	22	15	20	12	26	19	16	21	13	26	18	17	19	17	17
Other	1	2	0	1	0	0	3	1	0	2	2	0	0	3	3	11	5	2
Sussex																		
All Races	12	19	20	10	14	23	14	13	20	17	18	22	13	16	15	7	9	14
White	11	12	14	5	9	13	5	8	10	7	12	15	7	6	11	6	3	8
Black	0	6	6	5	5	9	8	5	9	10	4	7	6	8	3	1	6	5
Other	1	1	0	0	0	1	1	0	1	0	2	0	0	2	1	0	0	1

Notes:

- *Based on NCHS estimate.
- Infant deaths refer to deaths to children under one year of age.

Sources:

National Center for Health Statistics
Delaware Health Statistics Center

INFANT1

TABLE E-2
NUMBER OF NEONATAL DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1996-2013

Area/ Race	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
U.S.																		
All Races	18326	18524	18918	18728	18776	18265	18749	18893	18593	18770	18989	19058	18211	17255	16188	15954	15886	15893*
White	12252	12269	12406	12164	12201	12013	12354	12495	12238	12239	12302	12333	11843	11054	10612	10422	10267	10264*
Black	5483	5637	5824	5920	5843	5585	5646	5640	5495	5740	5876	5842	5523	5374	4769	4719	4610	4647*
Other	591	618	688	644	732	667	749	758	860	791	811	883	845	827	807	813	1009	982*
Delaware																		
All Races	53	55	74	58	71	82	79	75	63	79	72	65	68	66	58	73	66	47
White	28	26	33	21	45	44	48	36	33	36	36	37	32	19	27	30	25	18
Black	24	27	41	37	26	37	28	38	28	40	33	28	36	40	26	35	35	25
Other	1	2	0	0	0	1	3	1	2	3	3	0	0	7	5	8	6	4
Kent																		
All Races	13	10	9	8	15	15	22	8	11	14	7	6	12	14	11	13	12	3
White	7	1	6	3	11	10	18	3	5	3	4	3	7	4	9	9	4	3
Black	6	9	3	5	4	5	4	5	5	10	3	3	5	10	2	3	8	0
Other	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0
New Castle																		
All Races	33	33	47	44	50	54	47	56	39	54	52	43	48	42	36	57	47	34
White	14	19	15	14	29	27	26	27	21	28	22	23	20	13	9	18	20	9
Black	18	13	32	30	21	27	19	28	18	24	28	20	28	24	23	32	21	22
Other	1	1	0	0	0	0	2	1	0	2	2	0	0	5	4	7	6	3
Wilmington																		
All Races	14	6	12	14	13	14	9	10	9	15	12	10	10	14	10	14	18	11
White	1	3	1	2	4	1	1	1	3	3	1	1	3	0	0	1	8	2
Black	13	3	11	12	9	13	8	9	6	12	11	9	7	12	9	13	9	8
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	1
Balance of NC County																		
All Races	19	27	35	30	37	40	38	46	30	39	40	33	38	28	26	43	29	23
White	13	16	14	12	25	26	25	26	18	25	21	22	17	13	9	17	12	7
Black	5	10	21	18	12	14	11	19	12	12	17	11	21	12	14	19	12	14
Other	1	1	0	0	0	0	2	1	0	2	2	0	0	3	3	7	5	2
Sussex																		
All Races	7	12	18	6	6	13	10	11	13	11	13	16	8	10	11	3	7	10
White	7	6	12	4	5	7	4	6	7	5	10	11	5	2	9	3	1	6
Black	0	5	6	2	1	5	5	5	5	6	2	5	3	6	1	0	6	3
Other	0	1	0	0	0	1	1	0	1	0	1	0	0	2	1	0	0	1

Notes:

- *Based on NCHS estimate.
- Neonatal deaths refer to deaths of children under 28 days of age.

Sources:

National Center for Health Statistics

INFANT2

TABLE E-3
NUMBER OF POSTNEONATAL DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1996-2013

Area/ Race	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
U.S.																		
All Races	9911	9521	9453	9209	9259	9303	9285	9132	9343	9670	9538	10080	9848	9157	8398	8031	7743	7553*
White	6497	6270	6155	5903	5943	5942	6015	5945	5993	6275	6101	6474	6321	5763	5342	5038	4991	4888*
Black	3007	2859	2902	2902	2928	2913	2878	2762	2999	2955	2982	3102	3020	2938	2632	2565	2485	2215*
Other	407	392	396	404	388	448	392	425	351	440	455	504	507	456	424	428	267	450*
Delaware																		
All Races	24	26	29	23	31	32	17	32	34	27	27	26	33	25	30	25	18	21
White	15	16	21	10	20	16	9	17	18	12	14	15	17	11	20	18	9	12
Black	8	9	8	12	11	16	7	15	16	15	11	10	16	14	10	3	9	9
Other	1	1	0	1	0	0	1	0	0	0	2	1	0	0	0	4	0	0
Kent																		
All Races	4	4	9	2	6	4	5	8	6	7	6	3	6	4	4	4	5	3
White	4	3	7	1	5	0	4	5	3	3	3	1	3	2	3	4	3	2
Black	0	1	2	1	1	4	1	3	3	4	2	1	3	2	1	0	2	1
Other	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
New Castle																		
All Races	15	15	18	17	17	18	8	22	21	14	16	17	22	15	22	17	11	14
White	7	7	12	8	11	10	4	10	12	7	9	10	12	5	15	11	4	8
Black	8	7	6	8	6	8	3	12	9	7	7	7	10	10	7	2	7	6
Other	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0
Wilmington																		
All Races	5	8	6	6	3	3	3	8	3	3	4	7	9	4	8	3	2	3
White	0	1	1	2	0	1	1	3	1	0	1	2	4	0	4	1	0	0
Black	5	7	5	4	3	2	2	5	2	3	3	5	5	4	4	2	2	3
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County																		
All Races	10	7	12	11	14	15	5	14	18	11	12	10	13	11	14	14	9	11
White	7	6	11	6	11	9	3	7	11	7	8	8	8	5	11	10	4	8
Black	3	0	1	4	3	6	1	7	7	4	4	2	5	6	3	0	5	3
Other	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0
Sussex																		
All Races	5	7	2	4	8	10	4	2	7	6	5	6	5	6	4	4	2	4
White	4	6	2	1	4	6	1	2	3	2	2	4	2	4	2	3	2	2
Black	0	1	0	3	4	4	3	0	4	4	2	2	3	2	2	1	0	2
Other	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

Notes:

- *Based on NCHS estimate.
- Postneonatal deaths refer to deaths of children 28 to 364 days of age.

Sources:

National Center for Health Statistics
Delaware Health Statistics Center

INFANT3

TABLE E- 4
FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1993-2013

Area/ Race	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013
U.S.																	
All Races	7.7	7.5	7.3	7.1	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.5	6.4	6.2	6.1
White	6.4	6.2	6.0	5.9	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3	5.2
Black	15.3	14.8	14.6	14.4	14.2	14.3	14.2	14.0	14.0	13.8	13.6	13.3	13.1	12.7	12.4	12.0	11.6
Delaware																	
All Races	7.8	7.9	8.1+	8.4+	9.0+	9.2+	9.1+	9.3+	9.3+	8.8+	8.6+	8.4+	8.3+	8.0+	8.1+	8.1+	7.7+
White	5.6	5.9	5.7	6.2	6.6	6.9+	6.9+	7.3+	6.9+	6.5+	6.4	6.2	5.7	5.8	5.8	5.5	5.1
Black	14.7	14.4	15.8	15.9	17.1+	16.7+	16.7+	16.1	17.1+	16.1+	15.7+	15.3	15.6+	14.2	13.8	14.4+	13.4
Kent																	
All Races	8.2	9.0	8.4	8.6	8.7	9.9	9.5	10.2	10.0	9.1	7.1	7.1	7.1	6.5	6.9	7.6	6.6
White	5.8	7.1	6.3	7.0	6.9	9.5	8.6	9.2	7.6	7.0	4.4	4.6	4.3	5.1	5.9	6.3	5.7
Black	16.6	15.9	15.7	14.3	15.2	12.7	13.4	13.9	17.0	14.9	13.6	13.2	14.0	10.2	9.4	11.5	9.2
New Castle																	
All Races	7.3	7.3	7.9	8.5	9.1	9.2	9.5	9.4	9.4	9.2	9.2	9.0	9.0	8.8	9.1	9.3	8.8
White	4.9	4.8	4.9	5.6	6.2	6.4	6.8	7.3	7.1	6.8	7.0	6.9	6.4	6.1	6.2	5.9	5.4
Black	15.3	15.1	17.4	17.7	18.2	18.0	18.0	16.5	16.7	16.3	16.3	15.7	16.1	15.8	15.6	16.1	15.3
Wilmington																	
All Races	13.6	12.8	13.7	14.4	14.0	13.5	13.5	12.4	12.8	12.3	13.0	13.0	13.8	14.1	14.8	16.1	15.9
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9.8	---
Black	17.8	16.8	18.0	18.7	18.0	17.9	17.6	15.9	17.0	16.3	17.3	16.3	18.0	18.0	19.1	19.3	20.3
Balance of NC County																	
All Races	5.9	6.0	6.7	7.2	8.1	8.3	8.6	8.8	8.7	8.5	8.5	8.2	8.0	7.7	7.9	7.9	7.5
White	4.8	4.7	4.8	5.4	6.1	6.4	6.8	7.3	7.2	6.9	7.0	6.8	6.4	6.0	6.0	5.5	5.1
Black	12.9	13.6	16.8	16.8	18.5	18.1	18.2	17.0	16.6	16.3	15.8	15.3	14.9	14.5	13.8	14.4	13.0
Sussex																	
All Races	9.0	9.5	8.5	8.1	9.0	8.3	7.4	8.1	8.2	7.5	7.9	7.6	7.2	7.0	6.2	5.2	5.4
White	8.0	8.9	8.0	7.5	7.6	6.5	5.5	5.9	5.5	5.1	6.2	5.7	5.2	5.6	5.0	3.6	3.8
Black	11.1	10.4	9.9	10.4	14.4	15.9	15.4	16.9	19.0	16.9	15.7	16.0	15.6	12.6	11.2	11.1	10.7

INFANT4

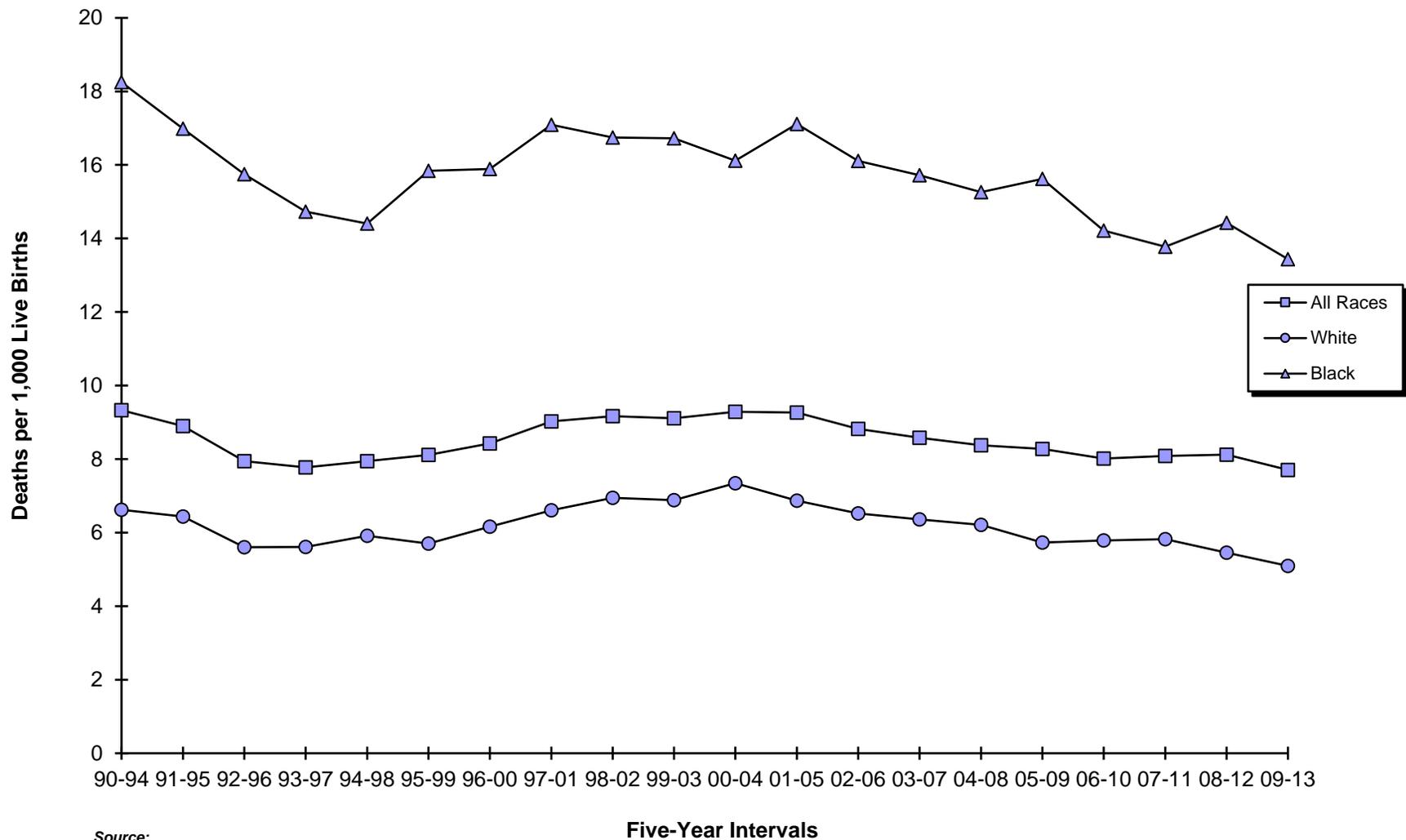
Notes:

1. 2006-2010 U.S. data are based on NCHS estimates.
2. Infant mortality rates represent the number of deaths of children under one year of age per 1000 live births.
3. '+' indicates that the Delaware rate is significantly higher than the U.S. rate.
'-' indicates that the Delaware rate is significantly lower than the U.S. rate.
4. "----" Indicates rate does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator.
5. No statistical comparisons were made between the county rates and the U.S. rate due to small numbers. See Appendix C for details.

Sources:

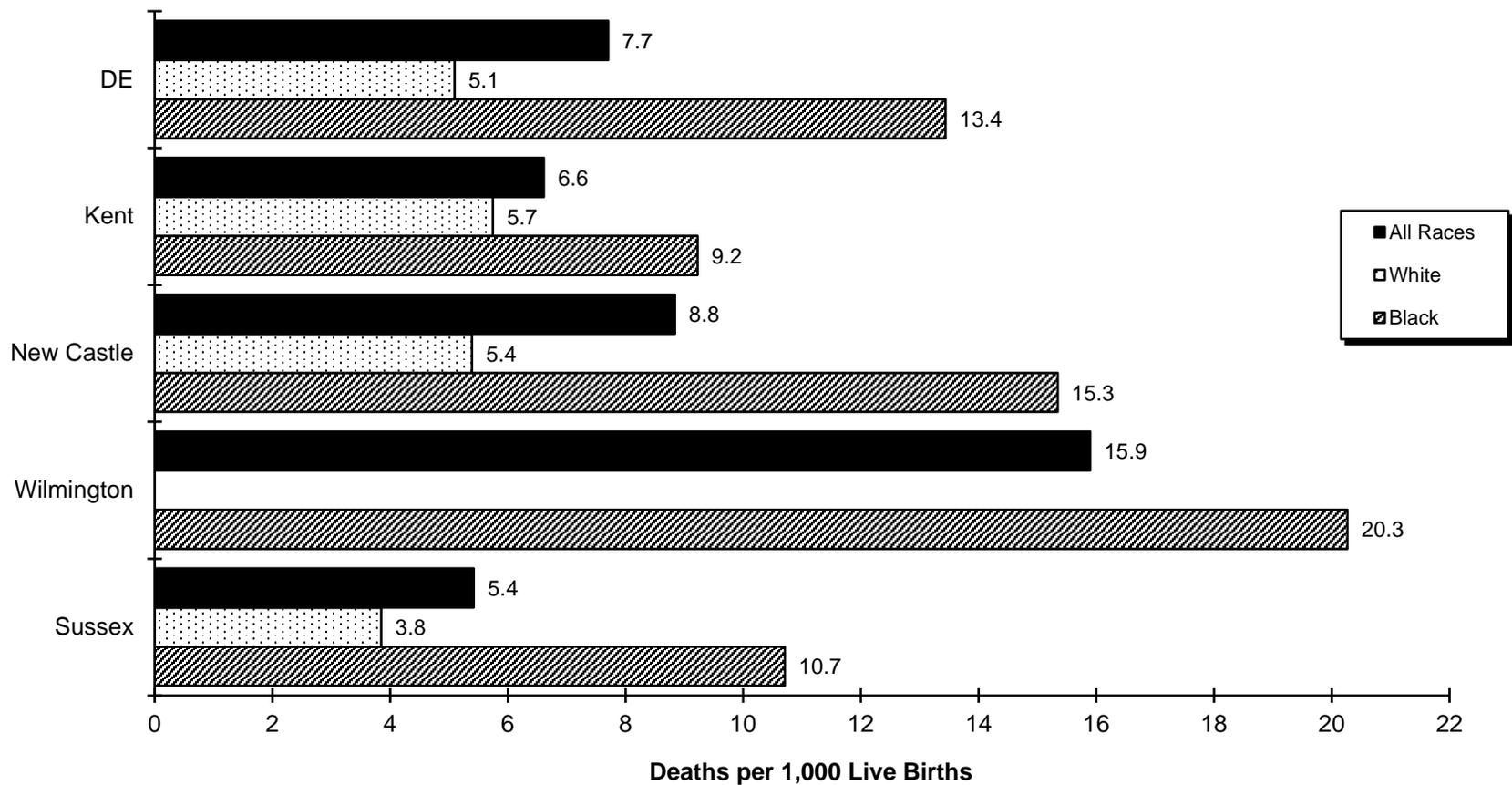
National Center for Health Statistics
Delaware Health Statistics Center

Figure E-1
Five-Year Average Infant Mortality Rates by Race
Delaware, 1990-2013



Source:
 Delaware Health Statistics Center

Figure E-2
Five-Year Average Infant Mortality Rates by Race
Delaware, Counties and the City of Wilmington, 2009-2013



Source:
 Delaware Health Statistics Center

TABLE E-5
FIVE-YEAR AVERAGE NEONATAL MORTALITY RATES BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1993-2013

Area/ Race	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013
U.S.																	
All Races	5.0	4.9	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.1
White	4.1	4.0	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.5
Black	9.9	9.7	9.6	9.5	9.5	9.5	9.5	9.3	9.2	9.1	9.0	8.7	8.6	8.3	8.0	7.7	7.5
Delaware																	
All Races	5.3	5.4	5.5+	5.9+	6.4+	6.7+	6.7+	6.7+	6.7+	6.4+	6.1+	5.9+	5.9+	5.6+	5.7+	5.8+	5.6+
White	3.7	3.7	3.5	4.0	4.4	5.0+	5.0+	5.3+	5.0+	4.8+	4.5+	4.3	4.0	3.8	3.7	3.5	3.2
Black	10.4	10.6	11.9+	12.1+	12.8+	12.7+	12.2+	11.4+	12.2+	11.6+	11.2+	10.8+	11.4+	10.3+	10.4+	11.1+	10.5+
Kent																	
All Races	5.0	5.4	5.5	5.9	6.1	7.2	7.0	7.2	7.0	6.0	4.3	4.6	4.7	4.4	5.0	5.6	4.8
White	---	3.4	3.4	4.1	4.6	7.0	6.5	6.8	5.5	4.5	---	2.9	2.7	3.5	4.2	4.3	3.9
Black	12.7	12.1	12.0	12.1	11.3	8.9	9.3	9.2	11.2	10.0	9.1	8.8	10.1	7.3	7.2	8.9	7.3
New Castle																	
All Races	5.2	5.0	5.4	6.1	6.6	6.9	7.1	7.0	7.1	6.9	6.8	6.5	6.7	6.2	6.4	6.7	6.5
White	3.6	3.1	3.0	3.7	4.3	4.5	5.0	5.3	5.3	5.1	5.0	4.8	4.6	3.9	3.8	3.7	3.3
Black	10.8	10.8	13.0	13.5	14.2	14.5	13.9	12.4	12.5	12.3	12.1	11.7	12.1	11.8	12.2	12.5	12.2
Wilmington																	
All Races	8.7	8.0	8.7	9.8	9.7	10.1	9.8	9.1	9.5	8.9	9.0	8.9	9.6	9.0	9.7	11.6	12.2
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	11.2	10.2	11.8	12.5	12.5	13.8	13.4	12.1	13.1	12.3	12.5	11.6	12.9	12.5	13.6	14.4	15.7
Balance of NC County																	
All Races	4.5	4.3	4.7	5.3	6.0	6.3	6.6	6.5	6.6	6.5	6.3	6.0	6.0	5.6	5.8	5.8	5.3
White	3.5	3.1	3.0	3.6	4.2	4.6	5.1	5.4	5.5	5.2	5.2	4.8	4.7	4.0	3.9	3.5	3.1
Black	10.3	11.4	14.1	14.4	15.6	15.1	14.2	12.5	12.1	12.3	11.8	11.8	11.6	11.5	11.4	11.6	10.5
Sussex																	
All Races	5.6	6.8	6.0	5.3	5.8	5.5	4.6	5.1	5.5	5.3	5.6	5.2	4.9	4.9	4.1	3.4	3.6
White	5.1	6.2	5.5	5.0	4.9	4.5	3.6	3.8	3.7	3.9	4.6	4.3	3.7	4.1	3.3	2.2	2.4
Black	---	---	---	---	---	---	---	9.9	12.1	10.8	10.3	9.3	9.8	---	---	---	---

INFANT5

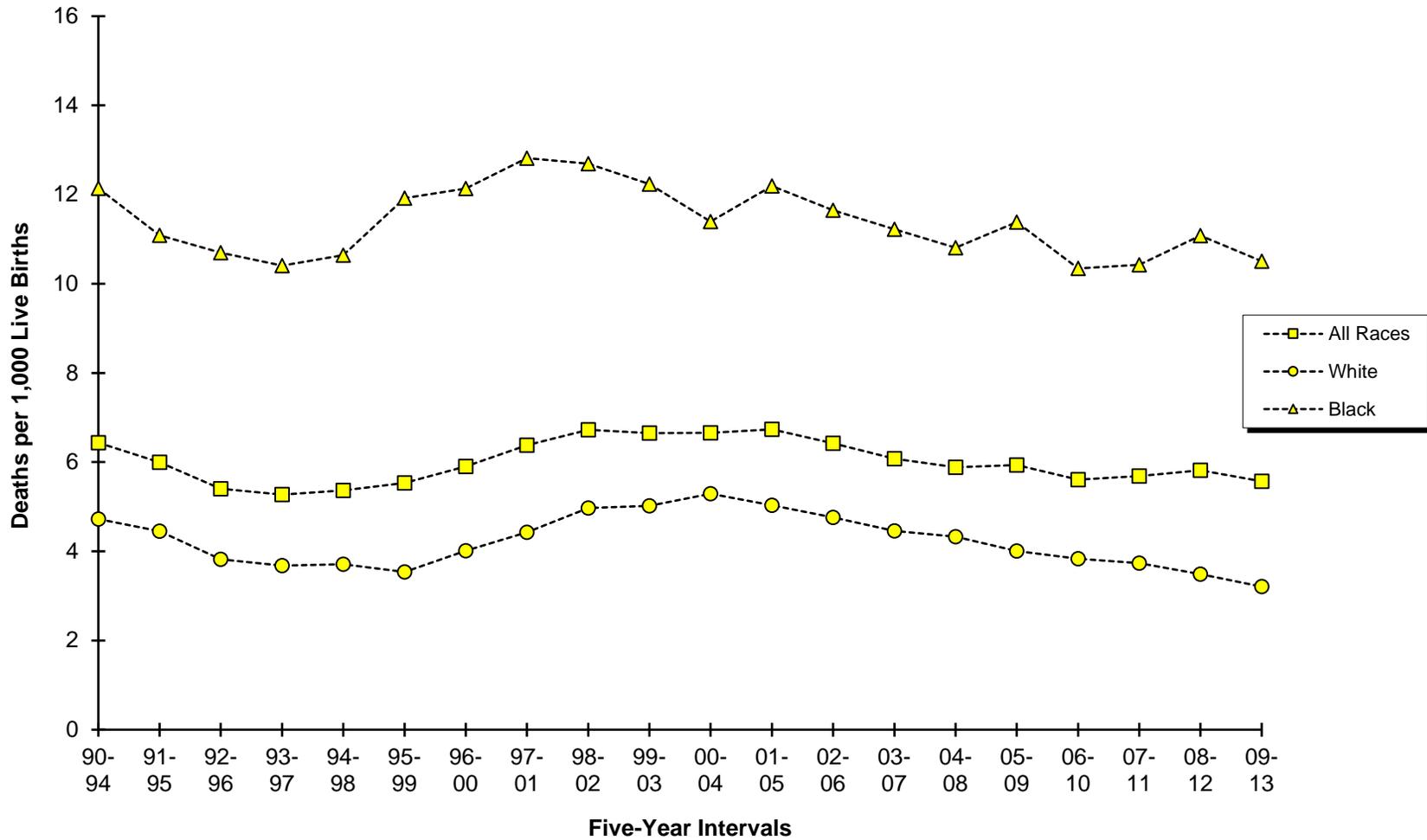
Notes:

1. 2006-2010 U.S. data are based on NCHS estimates.
2. Neonatal mortality rates represent the number of deaths of children under 28 days of age per 1000 live births.
3. '+' indicates that the Delaware rate is significantly higher than the U.S. rate.
4. "---" Indicates rate does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator.
5. No statistical comparisons were made between the county rates and the U.S. rate due to small numbers. See Appendix C for details.

Sources:

National Center for Health Statistics
Delaware Health Statistics Center

Figure E-3
Five-Year Average Neonatal Mortality Rates by Race
Delaware, 1990-2013



Source:
 Delaware Health Statistics Center

TABLE E-6
 FIVE-YEAR AVERAGE POSTNEONATAL MORTALITY RATES BY RACE
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1993-2013

Area/ Race	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013
U.S.																	
All Races	2.7	2.6	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.0
White	2.3	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.7
Black	5.4	5.1	5.0	4.8	4.8	4.8	4.7	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.4	4.2	4.0
Delaware																	
All Races	2.5	2.6	2.6	2.5	2.6	2.4	2.5	2.6	2.5	2.4	2.5	2.5	2.3	2.4	2.4	2.3	2.1
White	1.9	2.2	2.2	2.2	2.2	2.0	1.9	2.1	1.8	1.8	1.9	1.9	1.7	2.0	2.1	2.0	1.9
Black	4.3	3.8-	3.9	3.8	4.3	4.1	4.5	4.7	4.9	4.5	4.5	4.5	4.2	3.9	3.3-	3.3	2.9-
Kent																	
All Races	3.2	3.6	3.0	2.7	2.7	2.7	2.6	2.9	3.0	3.1	2.8	2.6	2.3	2.0	1.9	2.1	1.8
White	3.1	3.7	---	2.9	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Castle																	
All Races	2.1	2.3	2.5	2.4	2.5	2.2	2.3	2.4	2.3	2.3	2.5	2.5	2.3	2.6	2.7	2.5	2.4
White	1.4	1.7	1.9	1.8	2.0	1.8	1.8	1.9	1.8	1.7	2.0	2.1	1.9	2.3	2.4	2.2	2.1
Black	4.5	4.3	4.4	4.2	4.0	3.5	4.1	4.2	4.2	4.0	4.3	4.0	4.0	3.9	3.5	3.5	3.2
Wilmington																	
All Races	4.9	4.8	5.0	4.6	4.3	3.4	3.7	3.3	3.3	3.4	4.0	4.1	4.2	5.1	5.2	4.6	3.7
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	6.5	6.6	6.3	6.2	5.5	---	---	---	---	---	---	---	5.1	5.5	5.5	---	---
Balance of NC County																	
All Races	1.5	1.7	1.9	1.9	2.1	2.0	2.0	2.3	2.1	2.0	2.2	2.1	1.9	2.1	2.1	2.1	2.1
White	1.3	1.6	1.8	1.8	1.9	1.8	1.6	1.9	1.7	1.6	1.9	2.0	1.7	2.0	2.1	2.0	2.0
Black	---	---	---	---	---	---	4.0	4.4	4.4	4.0	4.0	3.5	3.3	3.1	---	---	---
Sussex																	
All Races	3.4	2.7	2.5	2.8	3.3	2.9	2.8	3.0	2.7	2.2	2.3	2.4	2.3	2.2	2.1	1.8	1.8
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

INFANT6

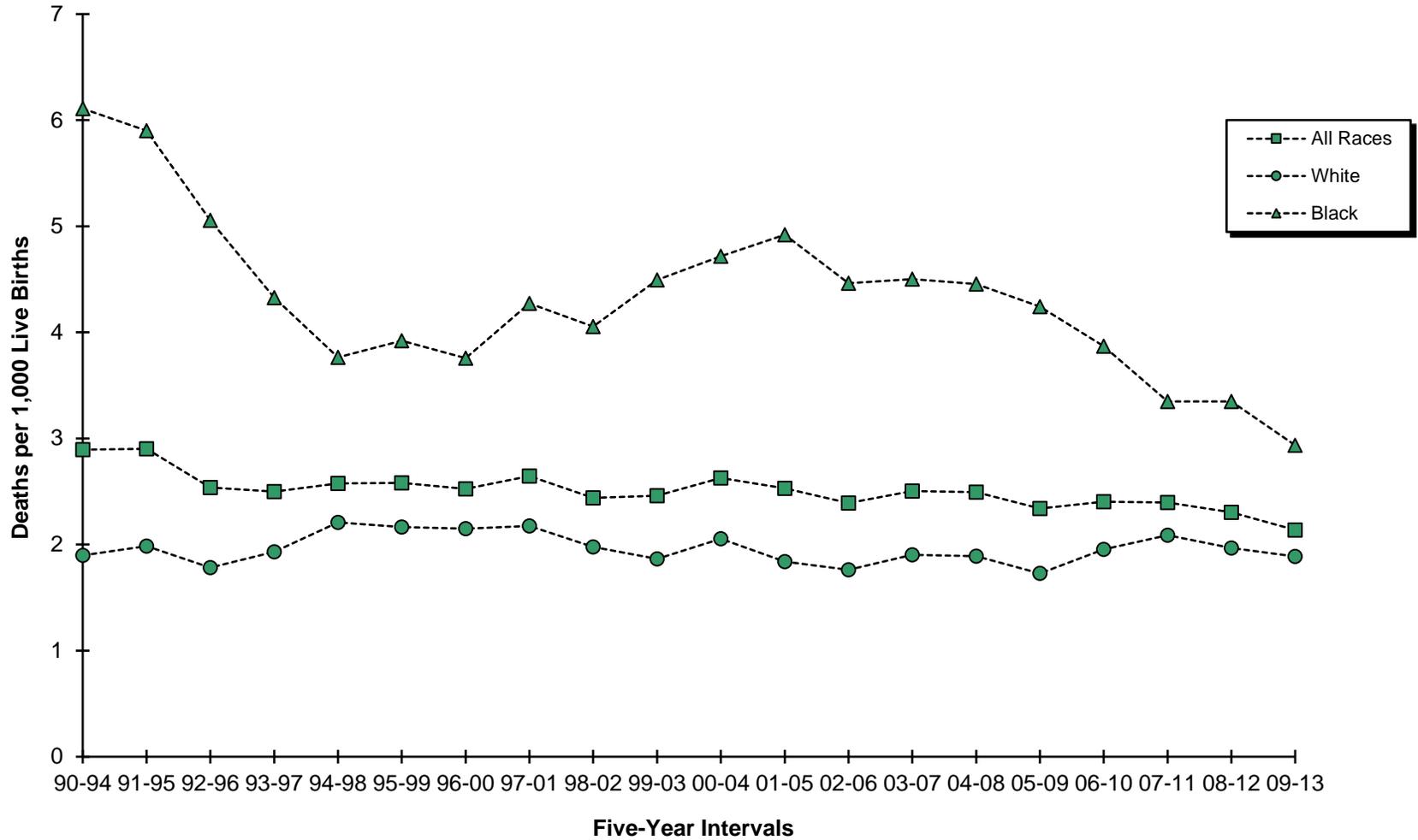
Notes:

1. 2006-2010 U.S. data are based on NCHS estimates.
2. Postneonatal mortality rates represent the number of deaths of children 28 to 364 days of age per 1000 live births.
3. '-' indicates that the Delaware rate is significantly lower than the U.S. rate.
4. "----" indicates rate does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator.
5. No statistical comparisons were made between the county rates and the U.S. rate due to small numbers. See Appendix C for details.

Sources:

National Center for Health Statistics
 Delaware Health Statistics Center

Figure E-4
Five-Year Average Postneonatal Mortality Rates by Race
Delaware, 1990-2013



Source:
 Delaware Health Statistics Center

TABLE E-7
FIVE-YEAR AVERAGE INFANT MORTALITY
RATES BY SELECTED RISK MARKERS AND RACE OF MOTHER

DELAWARE, 2008-2012 LIVE BIRTH COHORT

Risk Factor	Race		
	All Races	White	Black
Birth Weight of Child			
<2500	68.2	52.8	89.1
<1500	267.6	222.0	309.2
1500-2499	15.3	16.3	13.4
2500+	2.2	2.2	2.5
Age of Mother			
<20	9.6	6.8	13.2
20-24	8.8	6.5	12.7
25-29	7.5	5.2	14.4
30+	7.2	5.5	14.2
Marital Status of Mother			
Married	6.0	4.9	12.9
Single	9.9	6.9	13.9
Education of Mother			
<12 years	7.5	5.4	13.2
H.S. diploma	11.2	8.0	16.3
1+ years college	6.2	4.9	11.0
Interval Since Last Live Birth			
<18 months	8.4	---	13.4
18+ months	5.4	4.5	8.1

COHRATES

Notes:

1. Infant mortality rates represent the number of deaths to children under one year of age per 1,000 live births.

Source:

Delaware Health Statistics Center

TABLE E-8
LEADING CAUSES OF INFANT DEATH BY GESTATIONAL AGE CATEGORY

DELAWARE, 2008-2012 LIVE BIRTH COHORT

Leading causes of death	Gestational Age Category					% Born Very Preterm	% Born Preterm
	Very preterm	Moderately preterm	Term	Unknown	Total		
Disorders related to short gestation and low birth weight, not elsewhere classified	112	0	2	1	115	97.4	97.4
Congenital malformations, deformations, and chromosomal abnormalities	12	22	34	0	68	17.6	50.0
Sudden infant death syndrome	1	10	40	0	51	2.0	21.6
Newborn affected by maternal complications of pregnancy	41	1	0	0	42	97.6	100.0
Newborn affected by complications of placenta, cord, and membranes	20	1	1	0	22	90.9	95.5
Diseases of the circulatory system	1	4	7	0	12	8.3	41.7
Respiratory distress of newborn	12	1	1	0	14	85.7	92.9
Atelectasis	5	0	0	0	5	100.0	100.0
Accidents (unintentional injuries)	1	0	6	0	7	14.3	14.3
Bacterial sepsis of newborn	6	0	2	0	8	75.0	75.0
Intrauterine hypoxia and birth asphyxia	4	0	2	1	7	57.1	57.1
Neonatal hemorrhage	3	0	0	0	3	100.0	100.0
Septicemia	1	1	1	0	3	33.3	66.7
Diarrhea and gastroenteritis of infectious origin	5	0	1	0	6	83.3	83.3
Gastritis, duodenitis, and noninfective enteritis and colitis	1	1	0	0	2	50.0	100.0
Newborn affected by other complications of labor and delivery	4	0	0	0	4	100.0	100.0
Renal failure and other disorders of kidney period	2	0	0	0	2	100.0	100.0
Necrotizing enterocolitis of newborn	3	0	0	0	3	100.0	100.0
Assault (homicide)	0	0	3	0	3	0.0	0.0
All other causes	30	8	29	0	67	44.8	56.7
TOTAL	267	49	129	2	447	59.7	70.7

Notes:

1. Leading causes of infant death are categorized using NCHS rankable causes of infant death, specific ICD-10 codes are shown in Appendix D.
2. Very preterm is defined as less than 32 weeks of gestation.
3. Moderately preterm is defined as between 32 and 36 weeks of gestation.
4. Term is defined as 37 and greater weeks of gestation.
5. The percent born preterm includes both the very preterm and moderately preterm groups.

Source:

Delaware Health Statistics Center

INFLCOD

TABLE E-9
FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE AND SELECTED RISK MARKERS

DELAWARE LIVE BIRTH COHORT, 1993-2012

Parameter/ Race	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012
BIRTHWEIGHT																
2500+																
All Races	2.3	2.5	2.4	2.4	2.5	2.3	2.4	2.5	2.2	2.2	2.3	2.0	1.9	2.2	2.2	2.2
White	2.1	2.4	2.4	2.3	2.4	2.1	2.0	2.1	1.9	1.7	1.9	1.8	1.7	2.1	2.3	2.2
Black	2.9	2.8	2.8	2.8	3.0	3.0	3.6	3.9	3.5	3.6	3.5	2.9	2.8	2.7	2.3	2.5
<2500																
All Races	65.4	64.8	66.5	69.5	75.2	76.4	74.2	73.1	74.5	69.9	68.8	69.2	70.6	65.5	67.1	68.2
White	56.9	55.4	53.9	55.9	63.2	68.7	67.4	68.8	68.4	64.3	60.8	60.0	58.5	55.6	54.9	52.8
Black	78.9	78.8	86.0	88.2	93.7	90.5	88.3	83.0	88.0	80.9	82.2	83.9	89.5	81.6	85.9	89.1
<1500																
All Races	255.2	258.5	262.7	270.9	304.8	316.2	302.4	306.2	313.9	289.4	285.8	286.8	279.3	260.8	264.7	267.6
White	229.8	223.2	219.3	231.5	281.9	303.4	297.2	316.8	321.2	295.3	289.0	280.2	262.0	242.2	233.3	222.0
Black	280.3	296.8	315.8	312.1	329.8	335.5	317.0	301.5	315.7	289.4	286.0	291.9	298.9	283.9	295.1	309.2
GESTATION																
37+ weeks																
All Races	2.4	2.6	2.6	2.5	2.5	2.3	2.3	2.4	2.2	2.2	2.3	2.0	2.0	2.4	2.6	2.6
White	2.3	2.6	2.6	2.4	2.3	2.1	1.9	2.0	1.7	1.8	1.9	1.8	1.8	2.4	2.7	2.7
Black	2.8	2.8	2.7	2.8	3.1	2.9	3.7	4.0	3.4	3.4	3.4	2.9	2.7	2.8	2.7	2.8
<37 weeks																
All Races	47.1	45.6	45.9	48.2	53.0	54.3	52.8	52.6	53.5	49.1	47.1	47.0	47.3	43.6	44.3	45.5
White	37.2	35.4	33.6	35.7	41.8	45.5	45.1	46.5	45.2	40.5	37.5	36.2	34.9	33.0	32.3	30.9
Black	65.3	64.1	69.6	70.5	73.5	72.5	70.5	67.7	72.7	68.2	66.9	68.3	71.1	64.0	66.3	69.7
<32 weeks																
All Races	196.5	199.8	201.3	214.9	238.1	249.6	238.7	239.4	249.1	232.4	220.4	220.4	216.9	195.0	195.7	198.7
White	177.7	179.4	174.0	191.5	228.4	249.2	238.2	244.0	248.3	223.0	202.7	193.2	184.8	159.9	153.0	144.2
Black	215.4	222.2	235.6	238.7	250.4	255.4	246.3	239.8	259.4	250.0	246.4	255.2	258.8	237.4	240.9	250.4
PLURALITY																
Single																
All Races	6.7	6.7	6.8	6.9	7.3	7.3	7.3	7.5	7.4	7.1	7.2	7.0	7.0	7.0	7.0	6.9
White	5.0	5.1	5.1	4.9	5.2	5.4	5.2	5.6	5.4	5.1	5.2	5.2	4.9	5.4	5.4	5.1
Black	12.1	11.5	12.2	12.9	13.4	13.4	13.8	13.5	13.6	13.0	12.8	12.2	12.7	11.8	11.6	11.7
Plural																
All Races	33.5	39.3	41.6	45.4	53.1	52.9	52.3	50.3	52.0	47.0	44.0	40.3	41.0	32.6	34.2	35.0
White	28.9	30.4	28.6	35.1	43.4	48.0	50.3	49.2	49.9	44.0	36.6	29.6	30.6	23.0	23.5	23.2
Black	---	68.7	84.6	73.0	80.7	68.5	60.8	54.1	64.6	59.1	63.5	67.7	69.5	54.4	55.5	60.4
SMOKING DURING PREGNANCY																
No																
All Races	7.1	7.1	7.4	7.6	8.1	8.0	8.2	8.2	8.2	7.9	7.7	7.4	7.6	7.4	7.4	7.4
White	5.3	5.2	5.3	5.3	5.7	5.8	5.9	6.2	6.1	6.0	5.7	5.4	5.3	5.6	5.5	5.4
Black	12.6	12.7	14.0	14.3	15.3	14.8	15.0	14.3	14.7	13.7	13.4	13.2	13.9	12.9	12.9	13.2
Yes																
All Races	9.2	10.6	10.6	11.3	13.4	15.1	14.1	14.8	15.1	13.4	13.9	13.3	12.1	10.7	10.8	10.0
White	7.4	9.4	9.3	9.8	12.2	14.2	12.7	13.3	13.0	10.2	10.7	10.7	8.9	8.2	8.9	7.6
Black	16.2	15.3	16.3	17.3	18.0	18.9	19.4	19.5	22.0	23.9	23.8	21.2	21.5	17.5	15.8	15.9

TABLE E-9 (continued)
 FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE AND SELECTED RISK MARKERS

DELAWARE LIVE BIRTH COHORT, 1993-2012

Parameter/ Race	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012
EDUCATION																
HS Grad or less																
All Races	9.4	9.9	10.4	10.3	11.1	11.5	11.4	11.4	11.1	10.7	10.8	10.1	10.0	10.0	10.0	9.5
White	7.2	8.0	8.0	7.8	8.4	9.1	8.8	9.1	8.7	8.3	8.4	7.8	7.6	7.7	7.6	6.7
Black	14.3	14.3	15.8	15.6	16.8	16.9	17.2	16.9	17.2	16.6	16.4	15.4	15.4	14.8	14.8	15.1
1+ yrs college																
All Races	4.9	4.9	4.9	5.5	6.1	6.0	6.0	6.0	6.3	5.8	5.4	5.6	5.9	5.6	5.8	6.2
White	3.9	3.7	3.6	4.1	4.6	4.7	4.7	5.0	5.0	4.5	4.1	4.2	4.1	4.3	4.6	4.9
Black	10.2	10.5	11.8	13.5	13.9	12.6	12.2	11.0	12.0	11.1	10.9	11.4	13.1	11.2	10.8	11.0
PAYMENT FOR DELIVERY																
Medicaid																
All Races	10.0	10.3	10.9	9.9	10.6	10.1	9.5	9.8	10.2	9.6	10.4	10.2	9.9	9.5	9.3	8.8
White	7.9	8.8	9.1	7.7	8.6	8.3	7.1	7.5	7.7	7.1	8.0	8.0	7.5	7.5	7.0	6.3
Black	12.9	12.7	13.6	13.1	13.8	13.0	13.3	13.7	14.7	14.0	14.4	14.1	14.1	13.0	13.3	13.3
Private Insurance																
All Races	5.3	5.5	5.7	6.5	6.8	7.4	7.7	7.8	7.6	7.4	6.7	6.4	6.6	6.4	6.4	6.6
White	4.2	4.2	4.3	4.9	5.2	5.7	5.9	6.1	5.8	5.6	5.0	4.6	4.5	4.7	5.0	4.9
Black	11.6	12.8	13.7	14.8	15.6	16.5	17.1	16.9	17.0	16.6	15.3	15.0	16.4	14.8	13.7	14.6

COTREND COTREND

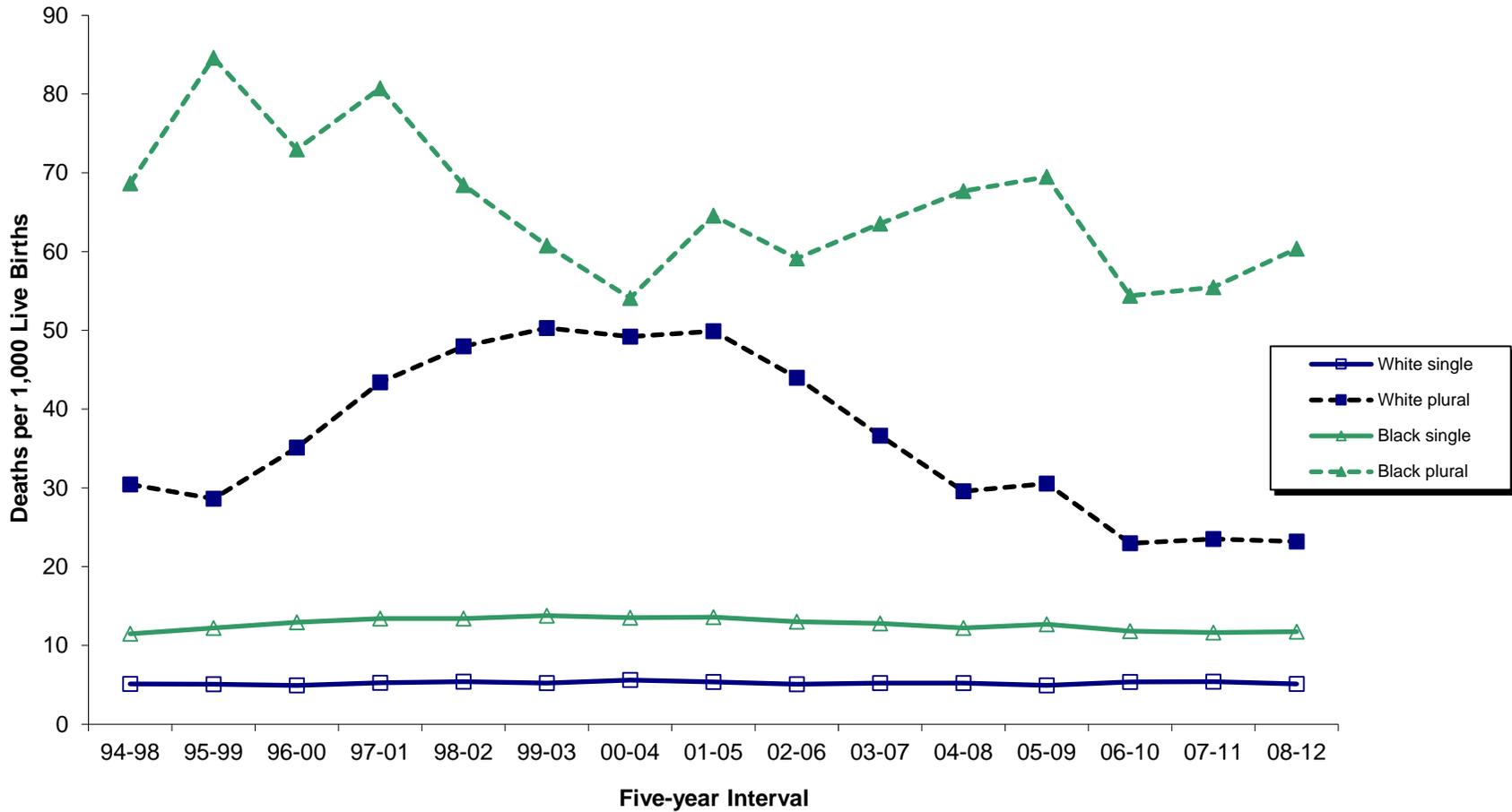
Notes:

1. See the Basic Definitions' section for definitions of birthweight, gestation, prenatal care attainment, and plurality.
2. "---" indicates rate does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.
3. Primary source of payment for delivery not available prior to 1991.

Source:

Delaware Health Statistics Center

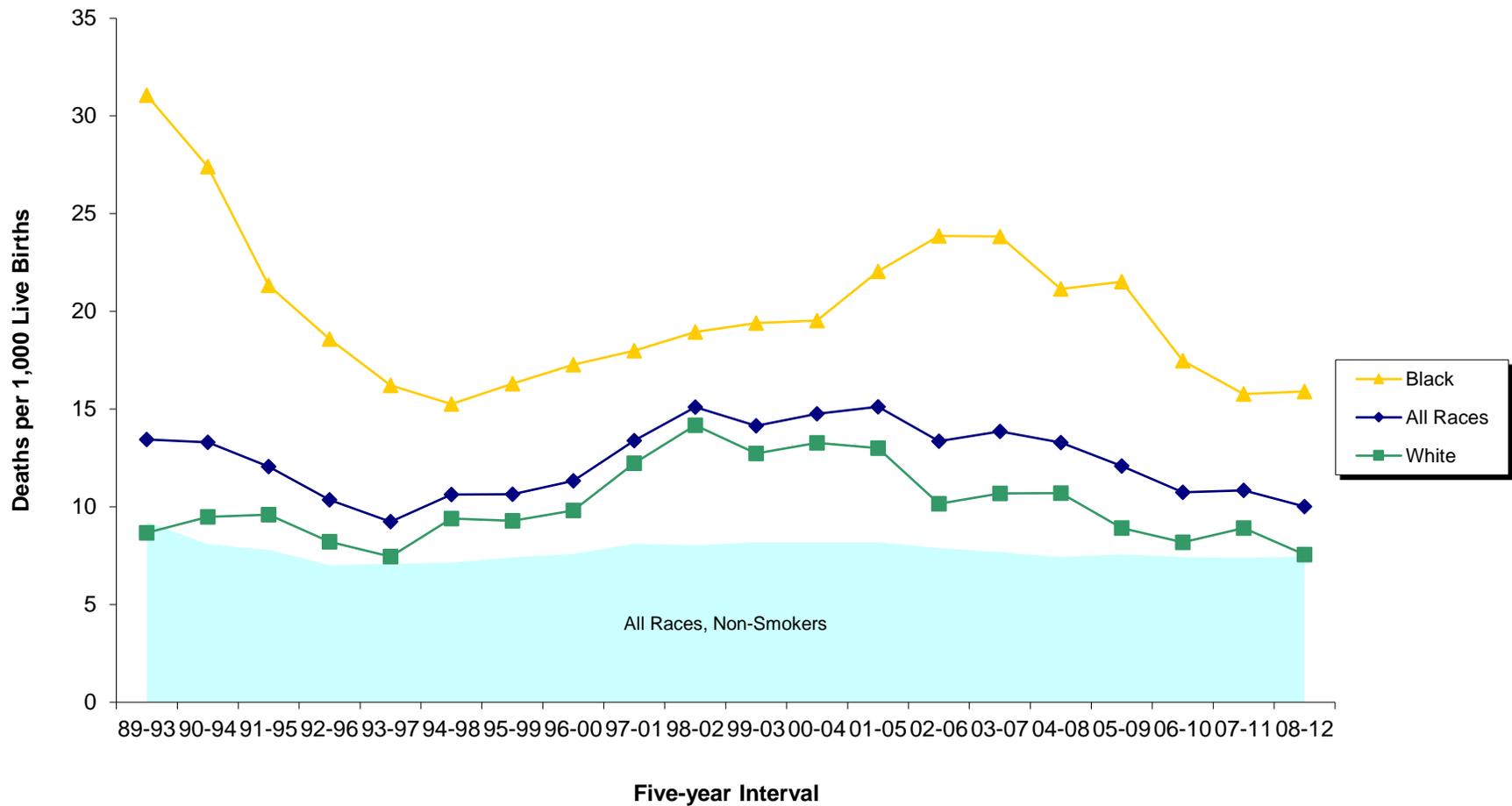
Figure E-5
Five-year Average Infant Mortality Rates by Race and Plurality
Delaware, 1994-2012 Live Birth Cohort



Source:
 Delaware Health Statistics Center

Figure E-6
Five-year Average Infant Mortality Rates by Race of Mothers who Smoked during
Pregnancy versus all Non-smoking Mothers

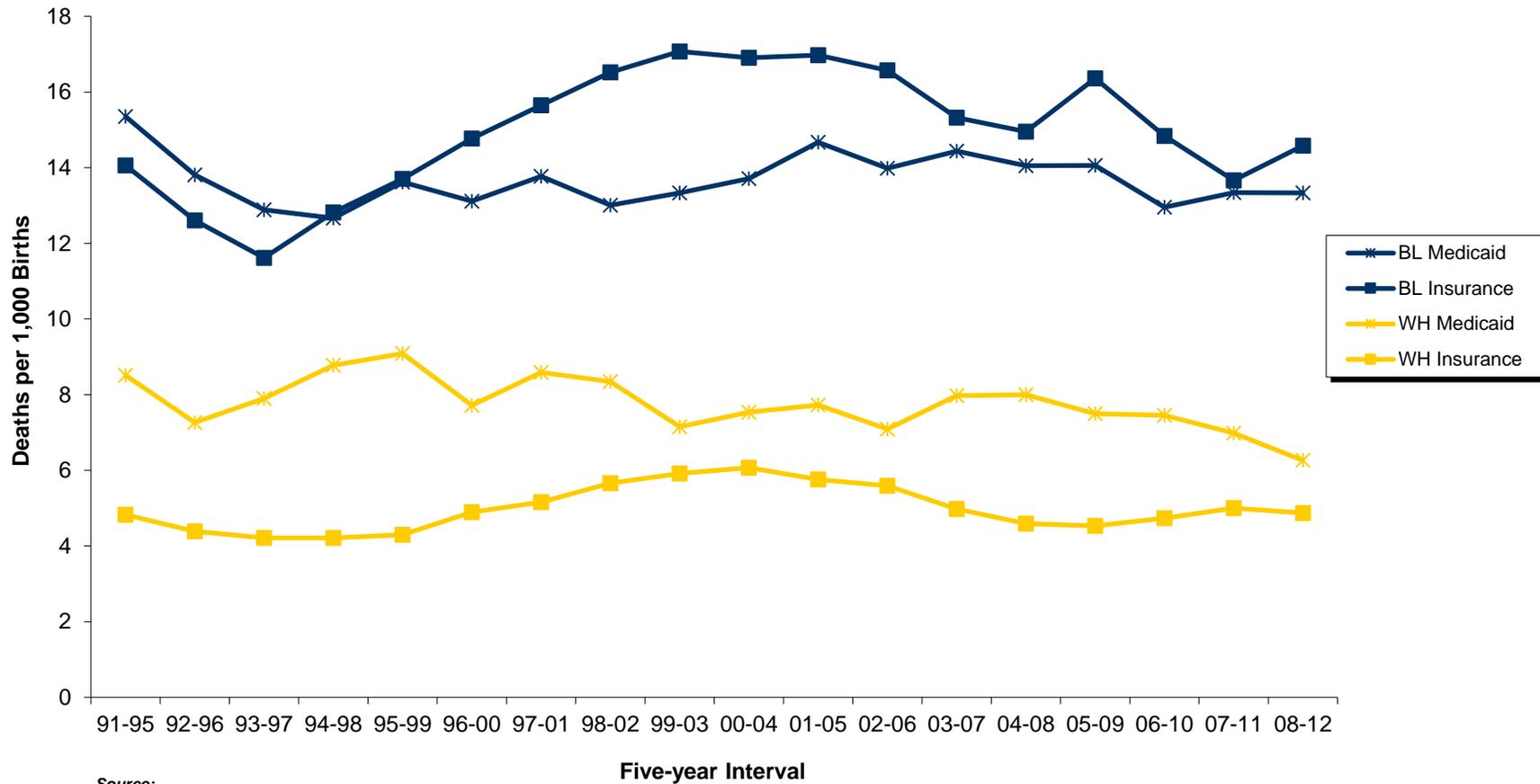
Delaware, 1989-2012 Live Birth Cohort



Source:
 Delaware Health Statistics Center

Figure E-7
Five-year Average Infant Mortality Rates by Race and
Source of Payment for Delivery

Delaware, 1991-2012 Live Birth Cohort



Source:
 Delaware Health Statistics Center

TABLE E-10
NUMBER OF INFANT DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER AND SEX OF CHILD
DELAWARE, 2008-2012 LIVE BIRTH COHORT

Plurality/ Birth Weight	Race and Sex										
	All Races			White			Black			Other	
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male
All Births	447	248	199	218	121	97	212	114	98	17	13
<2500	332	188	144	138	82	56	178	94	84	16	12
<1500	273	160	113	103	67	36	158	84	74	12	9
<500	130	69	61	38	19	19	84	44	40	8	6
500-999	121	77	44	50	37	13	67	37	30	4	3
1000-1499	22	14	8	15	11	4	7	3	4	0	0
1500-1999	29	15	14	19	10	9	8	4	4	2	1
2000-2499	30	13	17	16	5	11	12	6	6	2	2
2500+	113	58	55	78	37	41	34	20	14	1	1
2500-2999	41	18	23	27	13	14	13	4	9	1	1
3000-3499	42	22	20	25	10	15	17	12	5	0	0
3500-3999	26	14	12	22	10	12	4	4	0	0	0
4000-4499	3	3	0	3	3	0	0	0	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	2	2	0	2	2	0	0	0	0	0	0
Single Births	379	212	167	189	103	86	175	97	78	15	12
<2500	271	154	117	114	65	49	143	78	65	14	11
<1500	216	128	88	80	51	29	126	69	57	10	8
<500	104	54	50	33	16	17	65	33	32	6	5
500-999	96	64	32	38	28	10	54	33	21	4	3
1000-1499	16	10	6	9	7	2	7	3	4	0	0
1500-1999	29	15	14	19	10	9	8	4	4	2	1
2000-2499	26	11	15	15	4	11	9	5	4	2	2
2500+	106	56	50	73	36	37	32	19	13	1	1
2500-2999	38	17	21	25	12	13	12	4	8	1	1
3000-3499	39	21	18	23	10	13	16	11	5	0	0
3500-3999	25	14	11	21	10	11	4	4	0	0	0
4000-4499	3	3	0	3	3	0	0	0	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	2	2	0	2	2	0	0	0	0	0	0
Plural Births	68	36	32	29	18	11	37	17	20	2	1
<2500	61	34	27	24	17	7	35	16	19	2	1
<1500	57	32	25	23	16	7	32	15	17	2	1
<500	26	15	11	5	3	2	19	11	8	2	1
500-999	25	13	12	12	9	3	13	4	9	0	0
1000-1499	6	4	2	6	4	2	0	0	0	0	0
1500-1999	0	0	0	0	0	0	0	0	0	0	0
2000-2499	4	2	2	1	1	0	3	1	2	0	0
2500+	7	2	5	5	1	4	2	1	1	0	0
2500-2999	3	1	2	2	1	1	1	0	1	0	0
3000-3499	3	1	2	2	0	2	1	1	0	0	0
3500-3999	1	0	1	1	0	1	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0

PLBWRC SX

Note:
Infant deaths refer to deaths of children under one year of age.

Source:
Delaware Health Statistics Center

TABLE E-11
NUMBER OF NEONATAL DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER AND SEX OF CHILD
DELAWARE, 2008-2012 LIVE BIRTH COHORT

Plurality/ Birth Weight	Race and Sex										
	All Races			White			Black			Other	
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male
All Births	326	189	137	141	84	57	168	92	76	17	13
<2500	288	165	123	116	70	46	156	83	73	16	12
<1500	254	149	105	96	62	34	146	78	68	12	9
<500	130	69	61	38	19	19	84	44	40	8	6
500-999	105	68	37	45	33	12	56	32	24	4	3
1000-1499	19	12	7	13	10	3	6	2	4	0	0
1500-1999	18	9	9	10	5	5	6	3	3	2	1
2000-2499	16	7	9	10	3	7	4	2	2	2	2
2500+	36	22	14	23	12	11	12	9	3	1	1
2500-2999	14	9	5	10	6	4	3	2	1	1	1
3000-3499	12	5	7	6	1	5	6	4	2	0	0
3500-3999	8	6	2	5	3	2	3	3	0	0	0
4000-4499	2	2	0	2	2	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	2	2	0	2	2	0	0	0	0	0	0
Single Births	267	156	111	116	68	48	136	76	60	15	12
<2500	232	133	99	94	55	39	124	67	57	14	11
<1500	199	118	81	74	47	27	115	63	52	10	8
<500	104	54	50	33	16	17	65	33	32	6	5
500-999	81	55	26	33	24	9	44	28	16	4	3
1000-1499	14	9	5	8	7	1	6	2	4	0	0
1500-1999	18	9	9	10	5	5	6	3	3	2	1
2000-2499	15	6	9	10	3	7	3	1	2	2	2
2500+	33	21	12	20	11	9	12	9	3	1	1
2500-2999	13	8	5	9	5	4	3	2	1	1	1
3000-3499	10	5	5	4	1	3	6	4	2	0	0
3500-3999	8	6	2	5	3	2	3	3	0	0	0
4000-4499	2	2	0	2	2	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	2	2	0	2	2	0	0	0	0	0	0
Plural Births	59	33	26	25	16	9	32	16	16	2	1
<2500	56	32	24	22	15	7	32	16	16	2	1
<1500	55	31	24	22	15	7	31	15	16	2	1
<500	26	15	11	5	3	2	19	11	8	2	1
500-999	24	13	11	12	9	3	12	4	8	0	0
1000-1499	5	3	2	5	3	2	0	0	0	0	0
1500-1999	0	0	0	0	0	0	0	0	0	0	0
2000-2499	1	1	0	0	0	0	1	1	0	0	0
2500+	3	1	2	3	1	2	0	0	0	0	0
2500-2999	1	1	0	1	1	0	0	0	0	0	0
3000-3499	2	0	2	2	0	2	0	0	0	0	0
3500-3999	0	0	0	0	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0

NEOPLBW

Note:
Neonatal deaths refer to deaths of children under 28 days of age.

Source:
Delaware Health Statistics Center