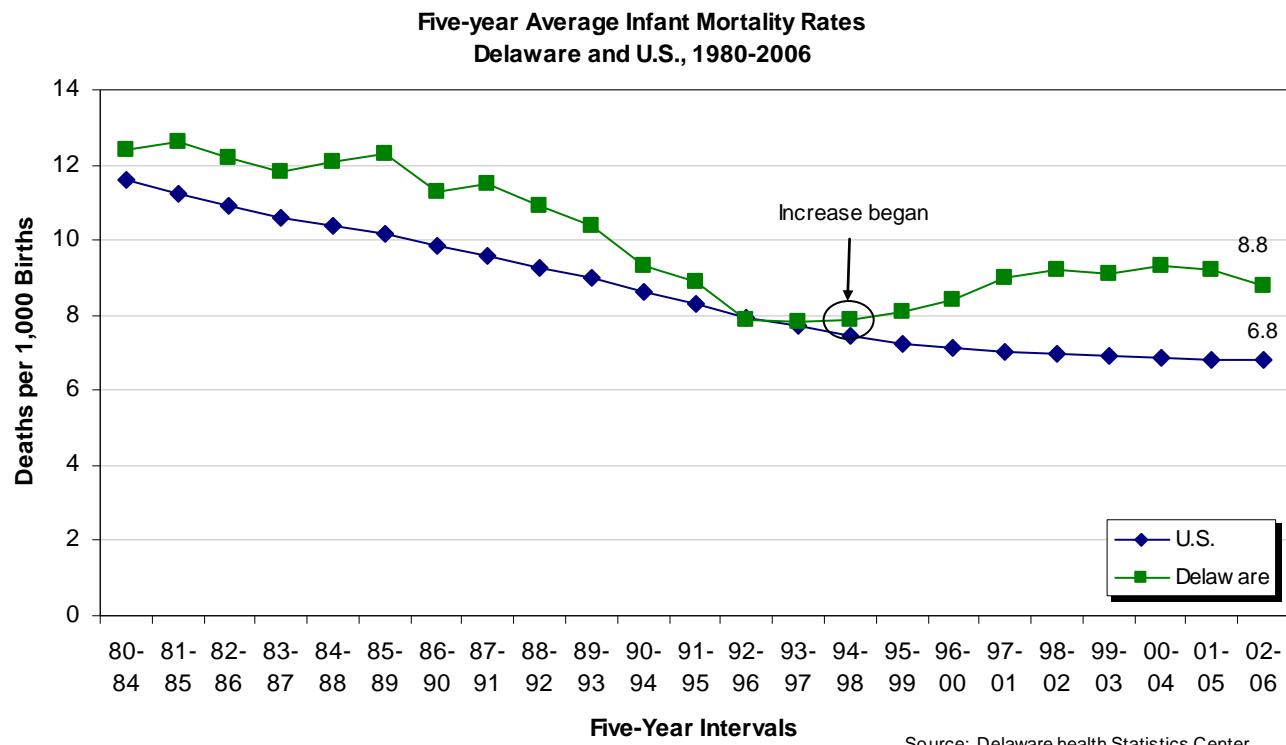


Infant Mortality

2006

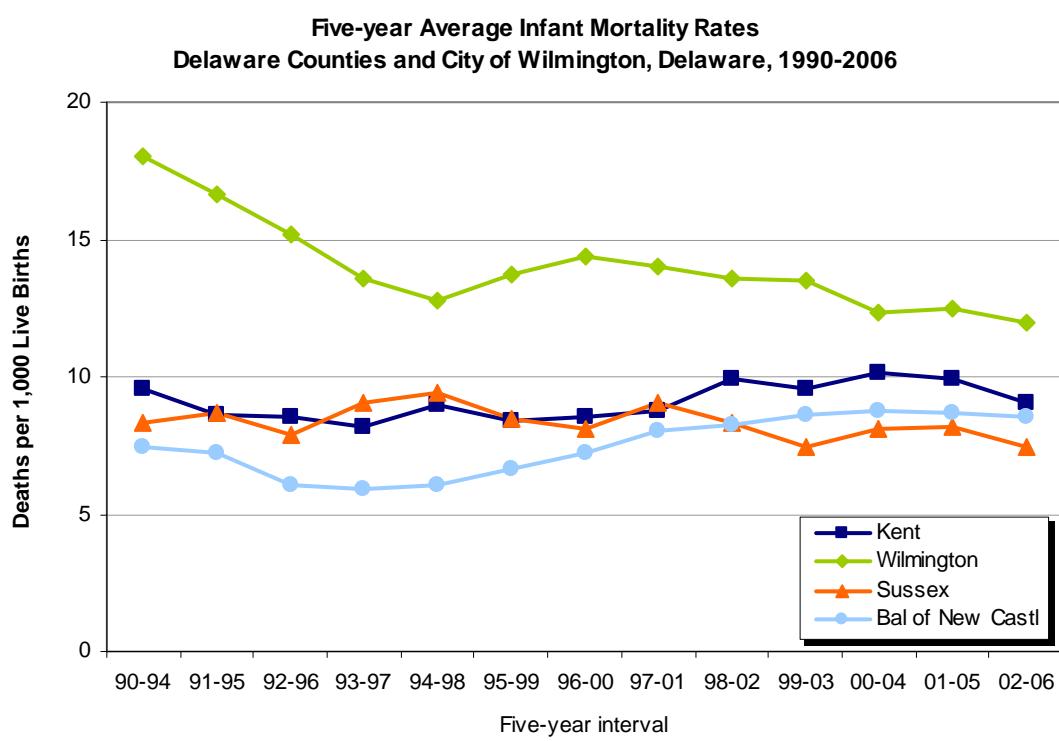
INFANT MORTALITY

Although Delaware's infant mortality rate (IMR) was significantly higher than the national rate throughout most of the 1980s, Delaware followed the nation's downward trend to a point where the U.S. and Delaware rates were very similar. The 1994-1998 time period signaled a reversal of this trend and Delaware's rates rose steadily until 1998-2002, after which they have remained fairly stable, though significantly higher than the U.S. Delaware's IMR decreased slightly from 9.2 in 2001-2005 to 8.8 in 2002-2006.



IMRs for all three counties and the city of Wilmington declined from 2001-2005 to 2002-2006. Sussex County's IMR of 7.5 was the lowest of the three counties; the decrease in Kent county's IMR brought it even with New Castle county at 9.1 infant deaths per 1,000 live births.

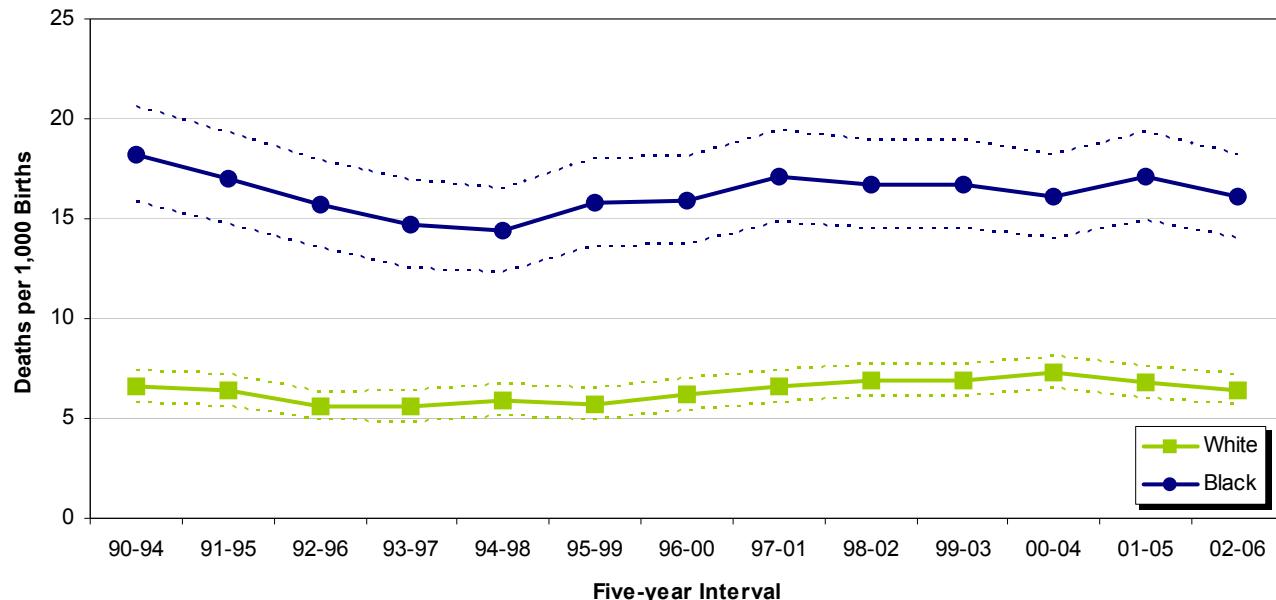
Overall, Wilmington has experienced the greatest decline in IMRs. Since 1990-1994, Wilmington's IMR has decreased 33.5 percent.



INFANT MORTALITY

From 2001-2005 to 2002-2006, the 5-yr infant mortality decreased very slightly due to decreases in both the white IMR (from 6.8 to 6.4) and the black IMR (from 17.1 to 16.1). As shown in the graph below, black infants experienced significantly higher mortality rates than white infants, and from 1990-1994 to 2002-2006, black IMRs were anywhere from 2.2 to 2.8 times that of white IMRs.

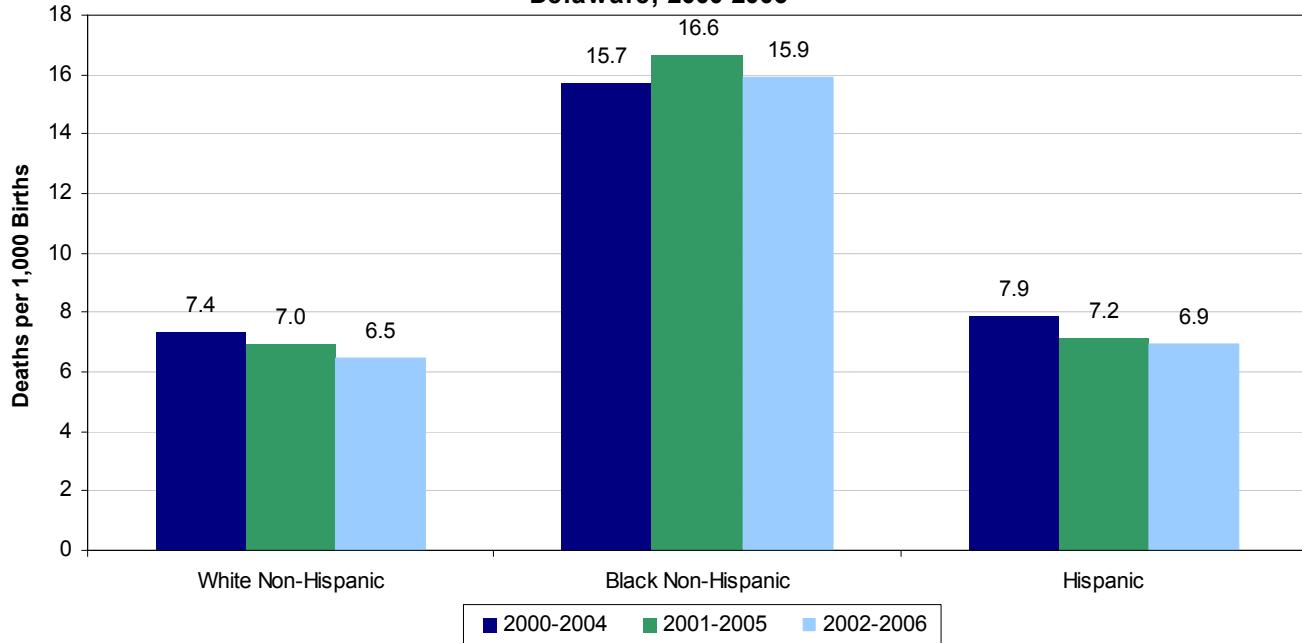
**Five-year Average Black and White Infant Mortality Rates with Confidence Intervals
Delaware, 1990-2006**



Source: Delaware Health Statistics Center

Significant disparities existed between black non-Hispanic IMRs and each of the two other groups, white non-Hispanic and Hispanic. Black non-Hispanics had the highest IMRs in all three time periods, and their rate of 15.9 deaths per 1,000 live births in 2002-2006, was more than double the white non-Hispanic rate of 6.5 and the Hispanic rate of 6.9.

**Five-year Average Infant Mortality Rates by Race and Hispanic Origin
Delaware, 2000-2006**



Source: Delaware Health Statistics Center

INFANT MORTALITY

Not only did IMRs vary between counties, but also between races within each county. Black IMRs were consistently higher than white IMRs in all three counties, for every time period. To gauge the disparity between black and white IMRs, disparity ratios¹ were used.

However, as is shown in the graphs to the right, both the disparity ratio and the rate should be considered when examining the issue of infant mortality.

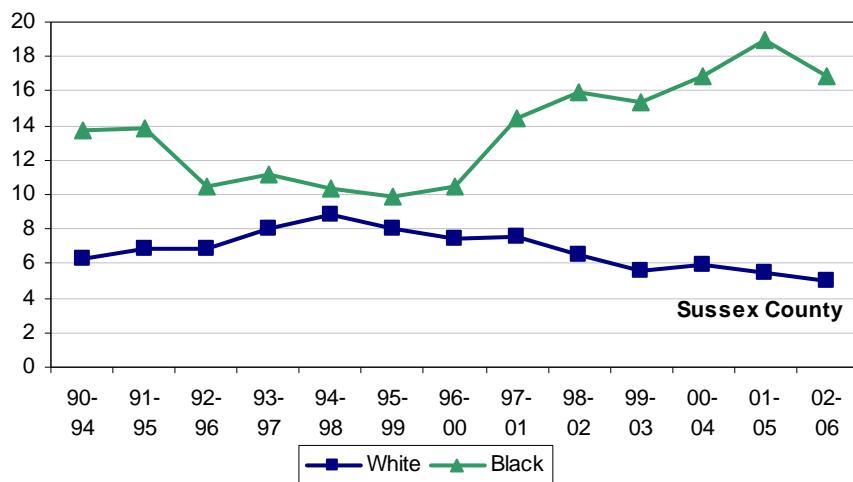
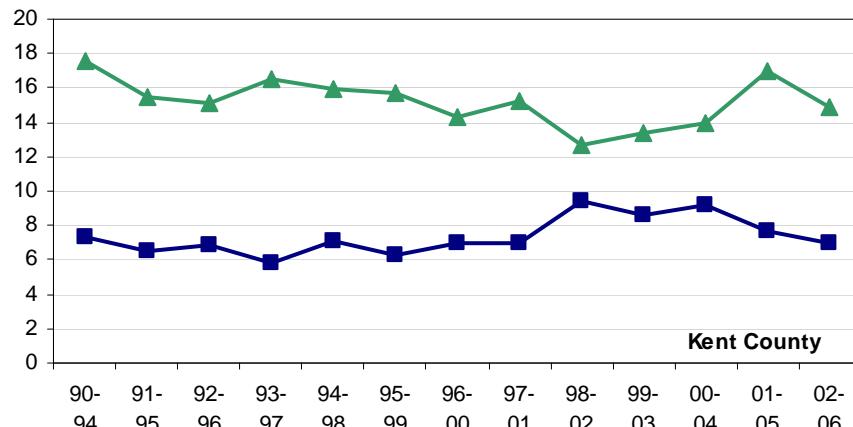
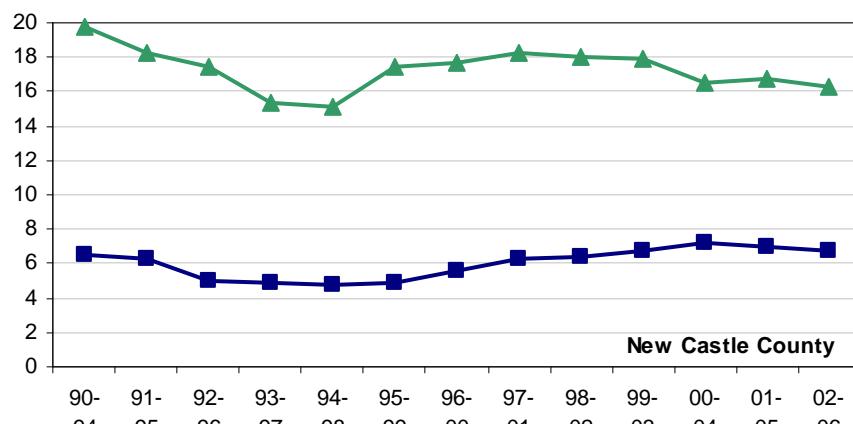
In New Castle County, rates for both races changed very little, and the disparity ratio remained stable at 2.4.

In Kent County, both black and white IMRs moved slightly downward, to 14.8 and 7.0, which held its disparity ratio steady at 2.1.

Sussex County's disparity ratio remained stable due to a decreases in both the black and white IMRs. At 3.4, Sussex County had the largest disparity ratio of the three counties.

Of the three counties, Sussex had both the highest and lowest IMRs (16.9 infant deaths per 1,000 live births to black mothers and 5.0 infant deaths per 1,000 live births to white mothers).

**Five-year Average Infant Mortality Rates by Race
Delaware Counties, 1990-2006**

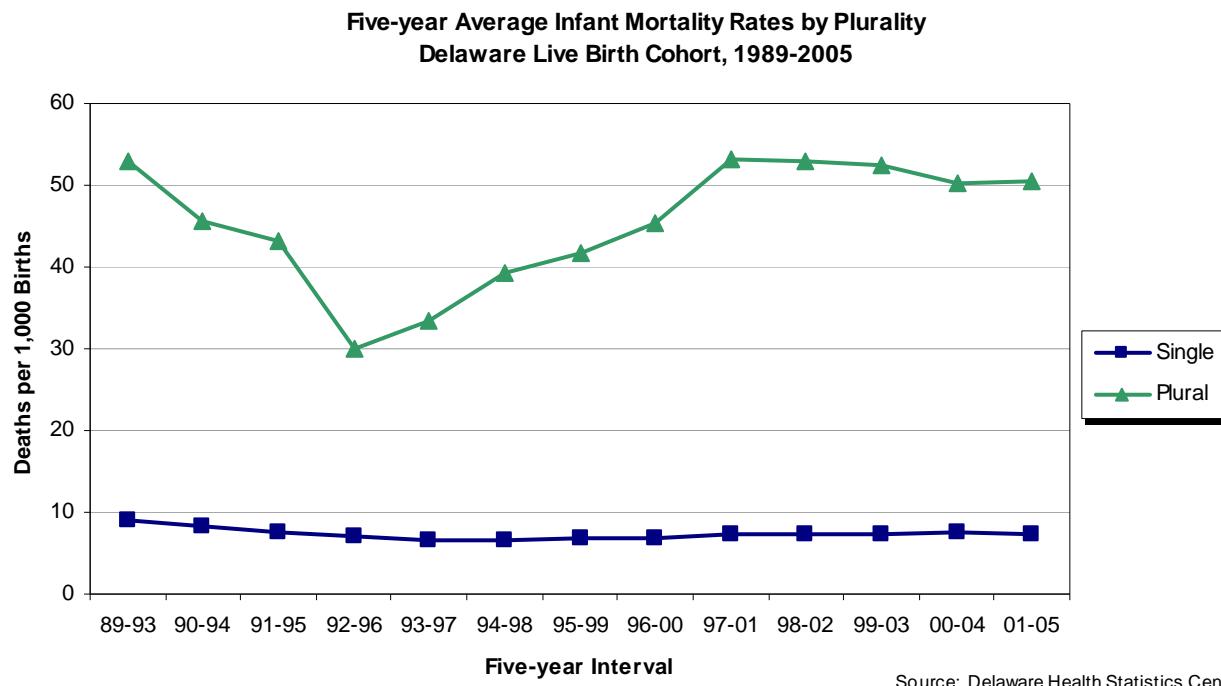


Source: Delaware Health Statistics Center

1. Disparity ratios were calculated by dividing the black IMR by the white IMR; the resulting number demonstrated the magnitude of difference between black and white.

INFANT MORTALITY - Live Birth Cohort

A significantly higher incidence of infant mortality occurred in plural births than in singleton births. The proportion of plural births increased 33.5 percent from 1992-1996 to 2001-2005; over the same time plural infant mortality rates increased 68.8 percent to a rate 6.8 times that of the singleton rate (50.6 versus 7.4 infant deaths per 1,000 live births in 2001-2005).

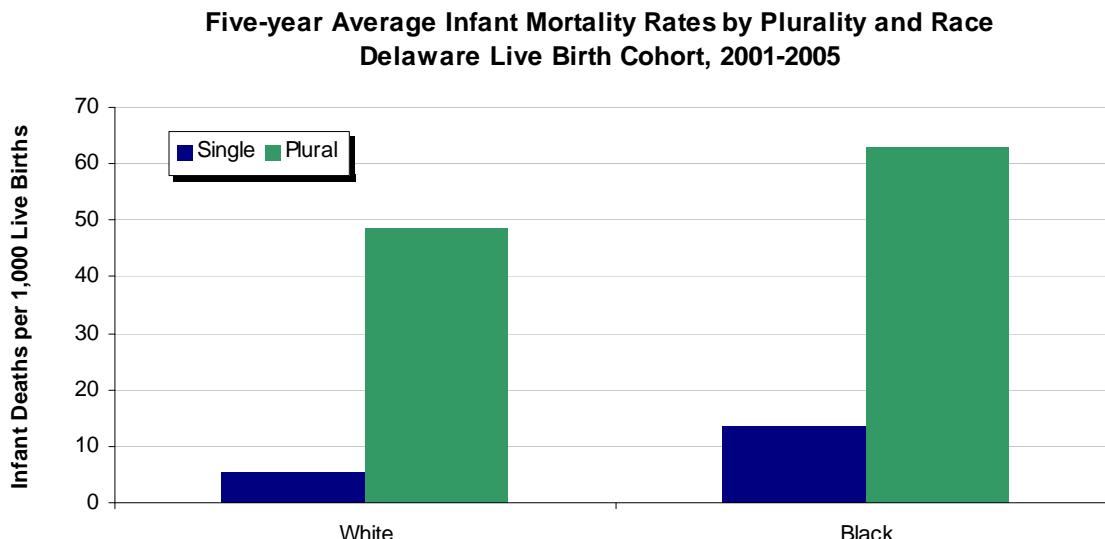


Source: Delaware Health Statistics Center

Plurality has a greater effect on white IMRs than black IMRs.

Though plural births to white mothers increased by 25 percent from 1992-1996 to 2001-2005, IMRs for white plural births increased 98 percent, and in 2001-2005 they were 9 times that of white singletons.

In contrast, plural births to black mothers increased by 64 percent from 1992-1996 to 2001-2005, while IMRs for black plural births increased 18 percent during the same period; in 2001-2005 they were 4 times that of black singletons.

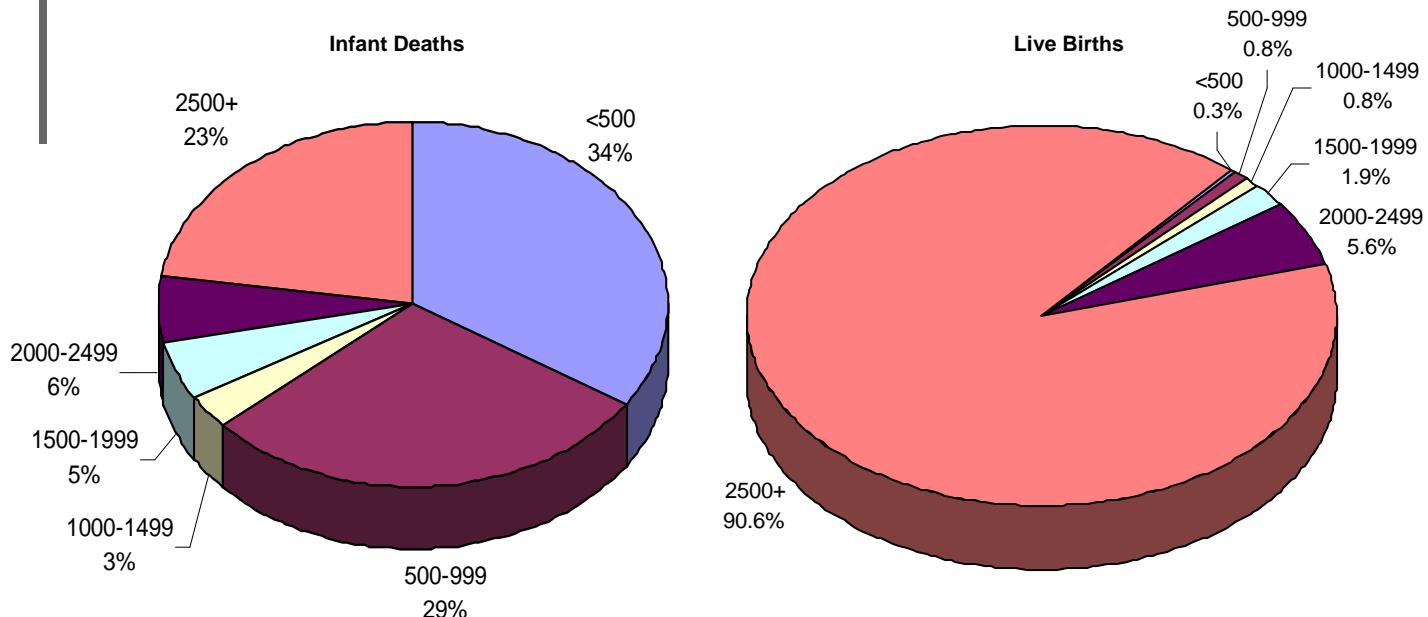


Source: Delaware Health Statistics Center

INFANT MORTALITY - Live Birth Cohort

Just over 1 percent of all live births were infants weighing less than 1000 grams, but they accounted for over half (63 percent) of all infant deaths in 2001-2005. In total, 9.4 percent of all live births in 2001-2005 were infants of low birthweight (under 2500 grams) and 77.2 percent of infant deaths were low birthweight.

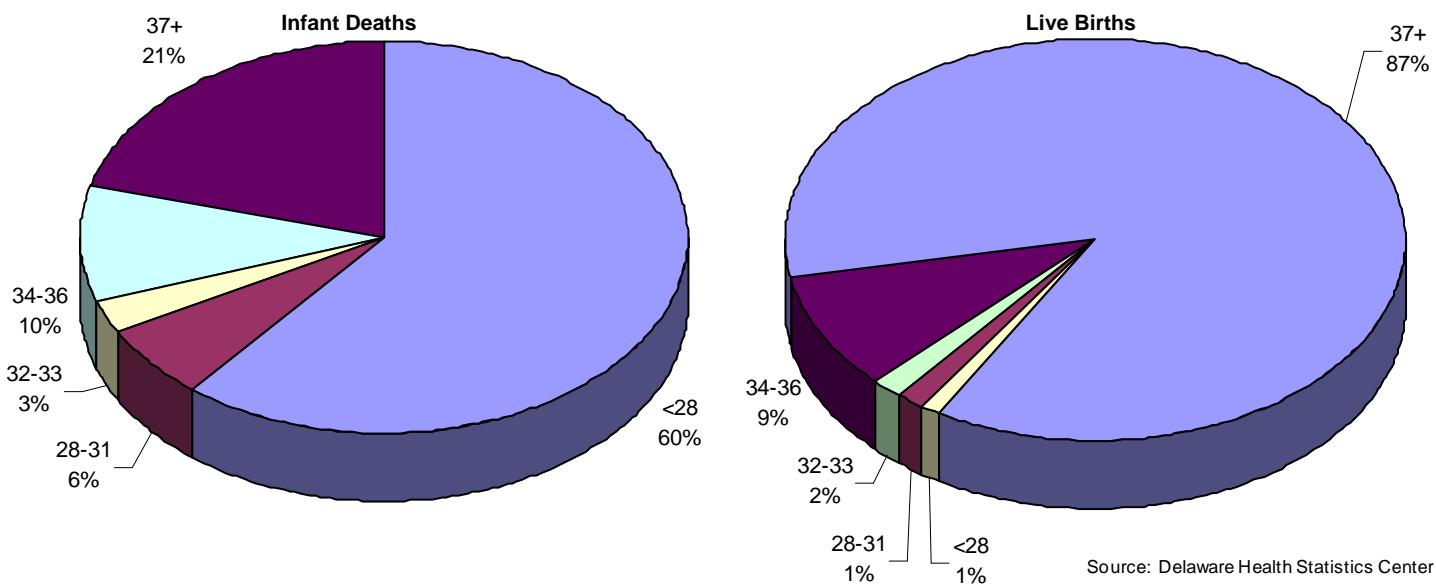
Distribution by Birthweight, Delaware 2002-2006



Source: Delaware Health Statistics Center

One percent of live births in 2001-2005 were less than 28 weeks gestation at birth, but they accounted for 60 percent of all infant deaths. In total, 13.5 percent of all live births in 2001-2005 were born preterm (<37 weeks of gestation) and 79.1 percent of infant deaths were born preterm.

Distribution by Gestation, Delaware 2002-2006



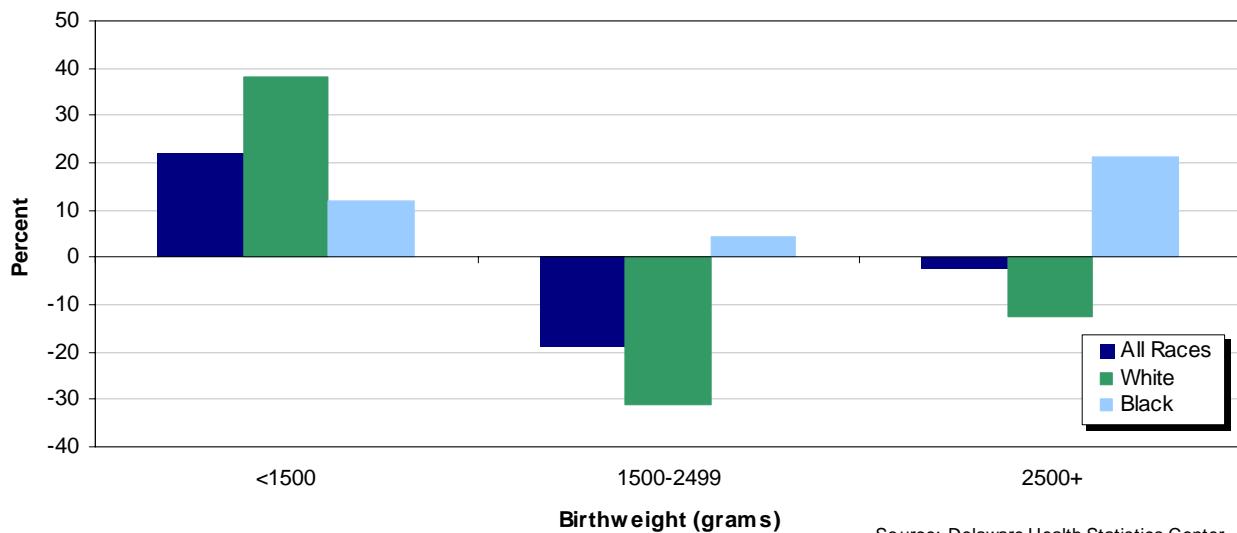
Source: Delaware Health Statistics Center

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 (2500+ grams) or full-term gestation (37+ weeks).

While the IMRs for white infants of very low birthweight (<1500 grams) showed a large increase between 1993-1997 and 2001-2005, IMRs for white infants of moderately low birthweight (1500-2499 grams) and normal (2500+ grams) birthweight decreased. The IMRs of black infants increased for all birthweight categories, though the largest increase was seen in infants of normal birthweight.

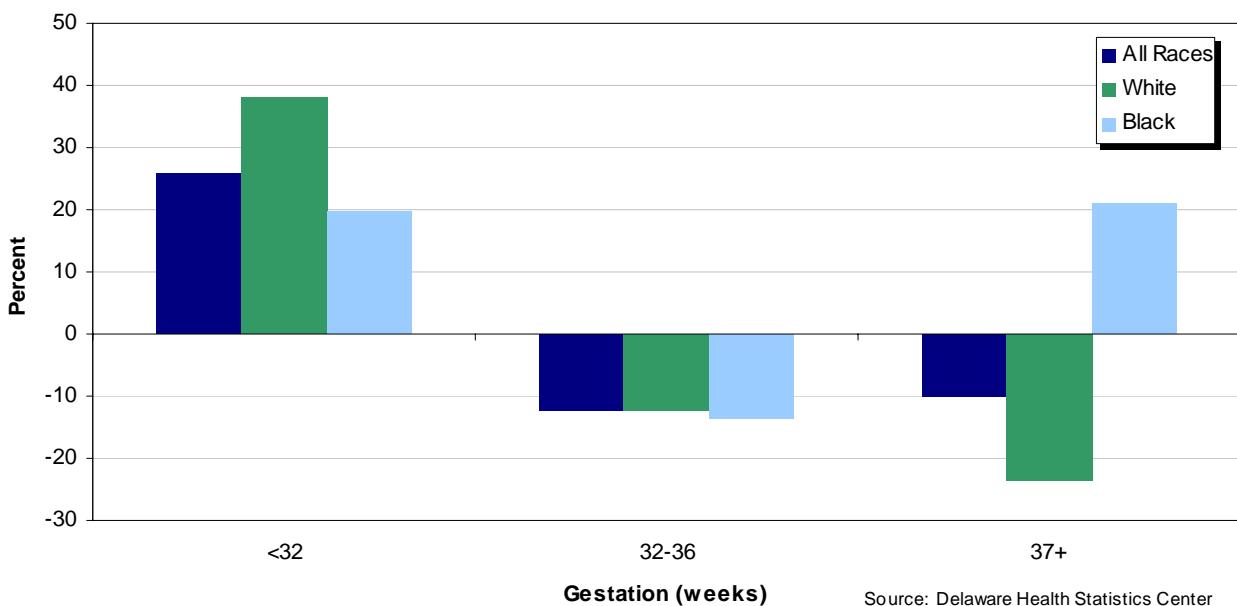
**Percent Change in Five-year Average Infant Mortality Rates by Birthweight and Race
Delaware, Live Birth Cohort, 1993-1997 to 2001-2005**



Source: Delaware Health Statistics Center

With the exception of moderately premature (32-36 weeks) infants, IMRs by gestational category look very similar to the graph above. IMRs for very premature (< 32 weeks) white infants and full-term (37+ weeks) black infants showed the greatest increases.

**Percent Change in Five-year Average Infant Mortality by Gestation and Race
Delaware, Live Birth Cohort, 1993-1997 to 2001-2005**



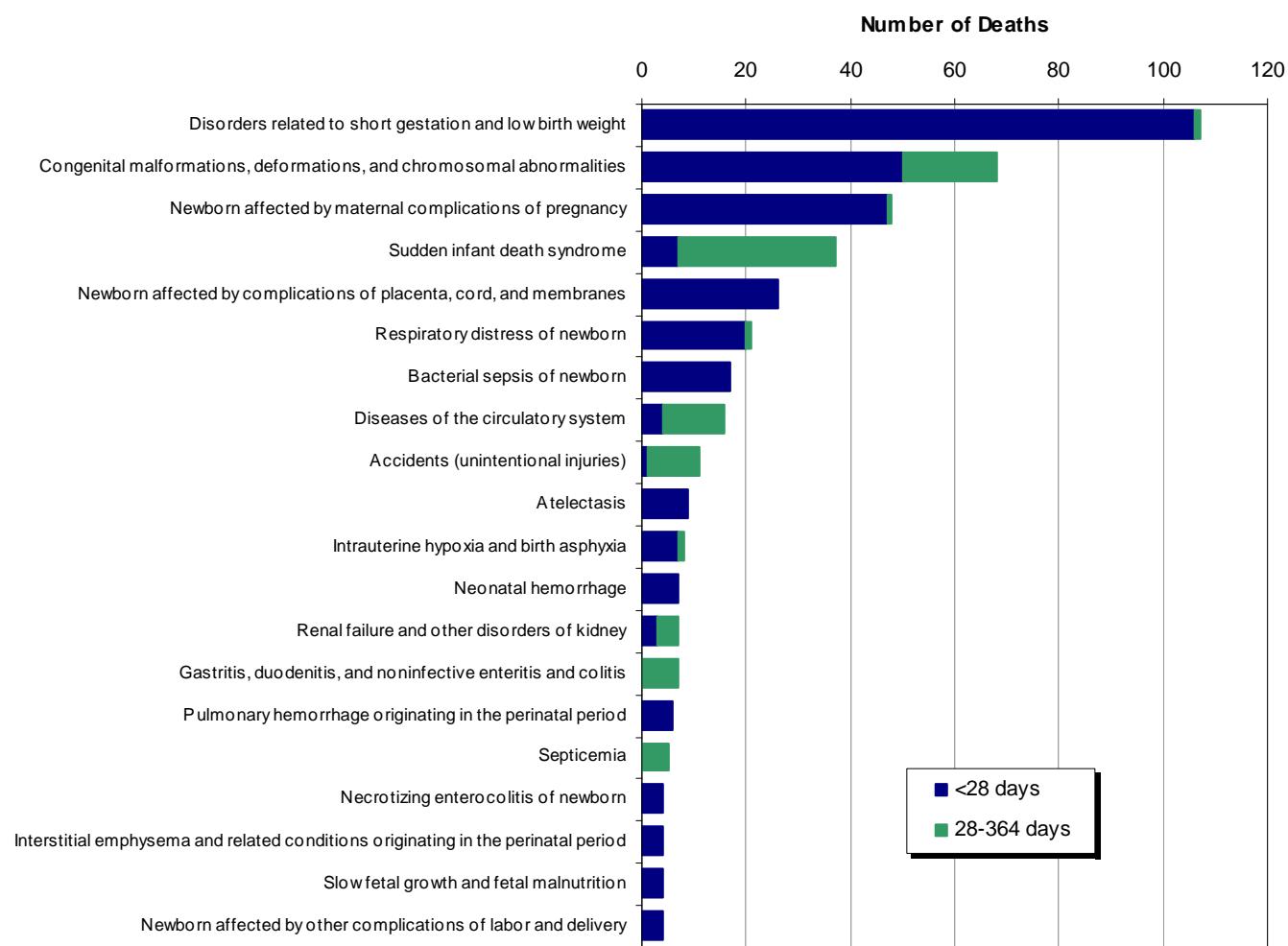
Source: Delaware Health Statistics Center

INFANT MORTALITY - Leading Cause of Death

Approximately 95 percent of all infant deaths occurred within the first six months of life, 73 percent of all infant deaths occurred within the first 28 days of life, and 42 percent 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).

**Twenty Most Frequent Causes of Infant Death
Delaware, 2002-2006**



Source: Delaware Health Statistics Center

- Disorders related to short gestation and fetal malnutrition accounted for the greatest number of infant deaths in 2002-2006; all but one of these deaths occurred in the neonatal period.
- Sudden infant death syndrome (SIDS) was the only one out 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 72 days.
 - ⇒ 35 percent (13 out of 37) of the SIDS deaths were associated with co-sleeping with adults and/or sleeping on soft surfaces, such as couches and adult beds.
- During that same time period, there were 21 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, 7 percent of all infant deaths in 2002-2006 were associated with co-sleeping and/or sleeping on a soft surface.

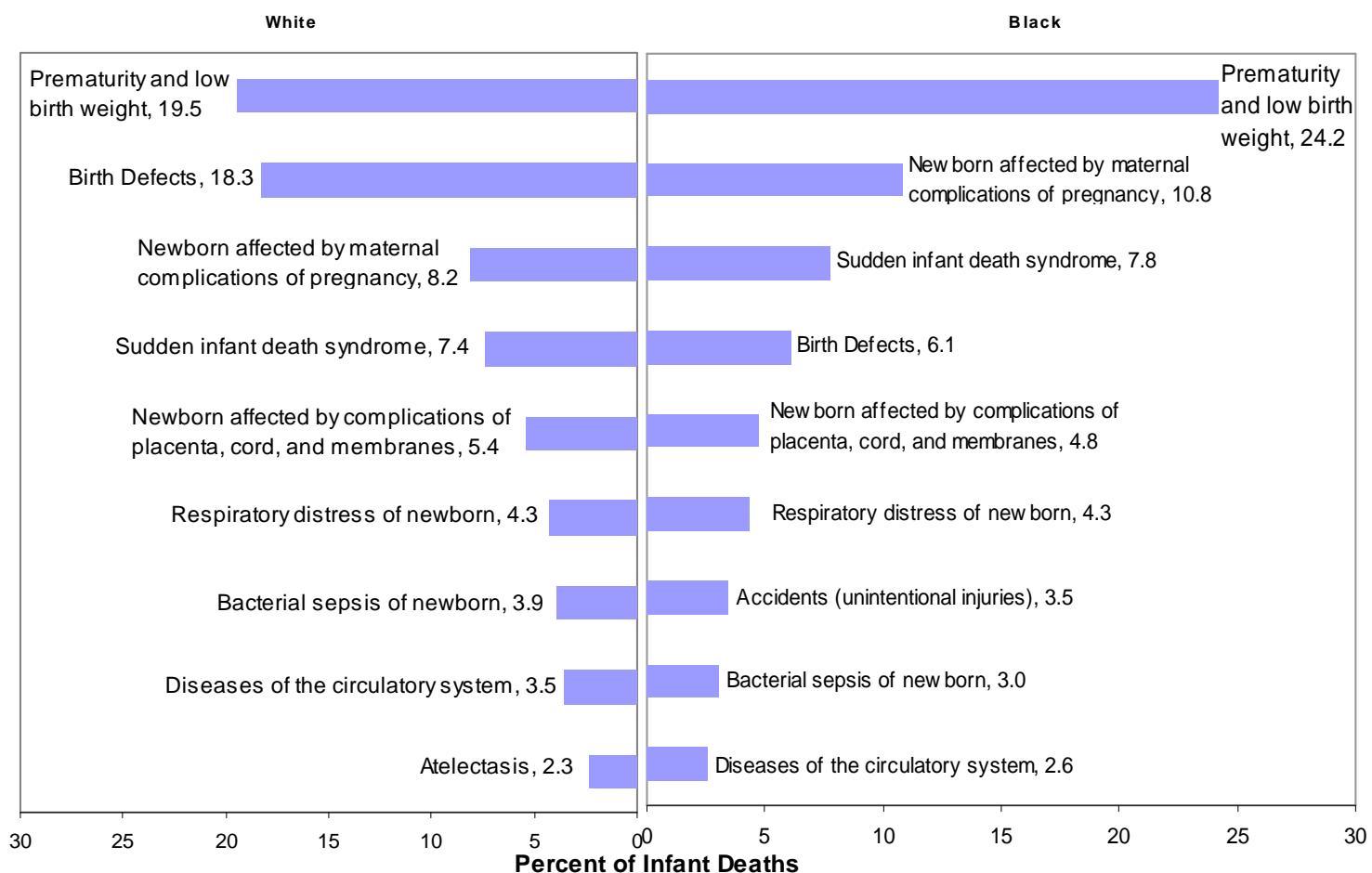
INFANT MORTALITY

In 2002-2006 the three leading causes of infant death were:

- Disorders related to short gestation and fetal malnutrition (prematurity and low birthweight), which accounted for 21.3 percent of infant deaths,
- Congenital anomalies (birth defects), which accounted for 13.5 percent of infant deaths, and
- Newborn affected by maternal complications of pregnancy, which accounted for 9.5 percent of infant deaths. Of the 48 deaths attributed to this cause, 43 were due to the newborn being affected by incompetent cervix and premature rupture of membranes.

While prematurity and low birthweight was the top cause of death for both black and white infants, the number 2 and 3 spots varied by race, as shown in the graphs charts below.

**Most Frequent Causes of Infant Death by Race
Delaware, 2002-2006**

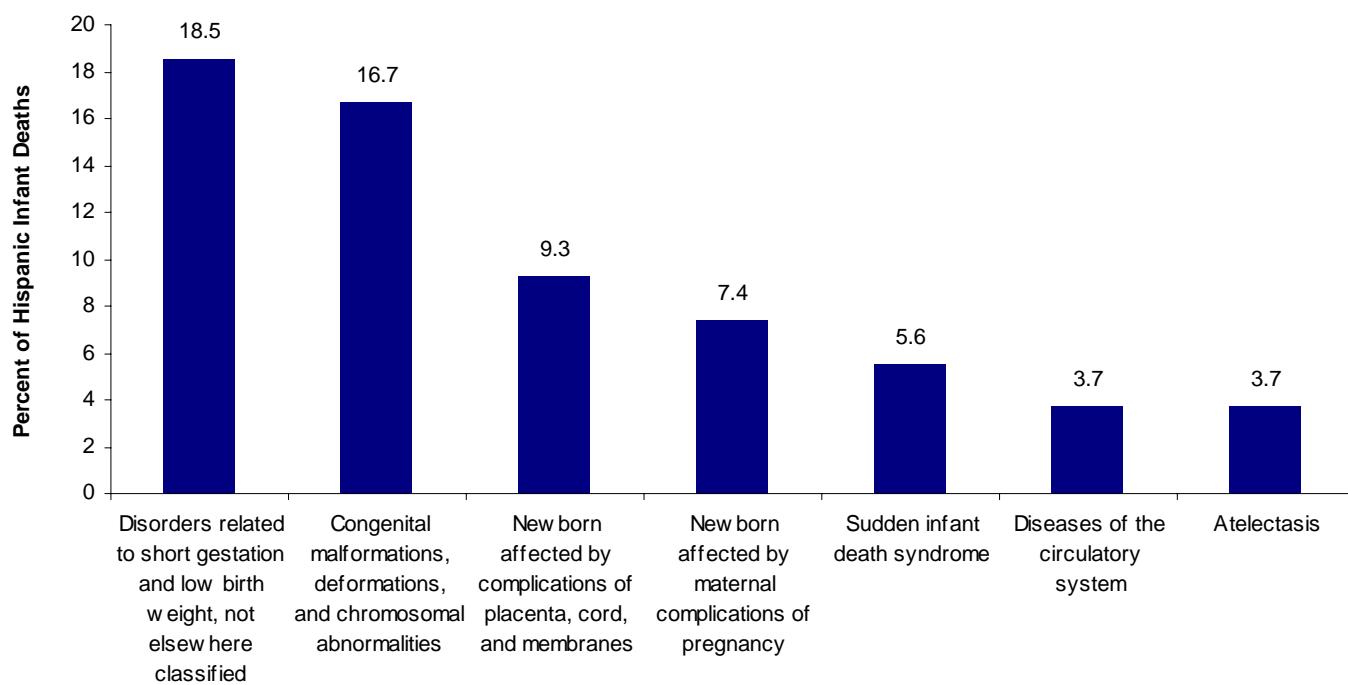


INFANT MORTALITY

In the 1989-1993 time period, 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 been increasing. In the most recent five year period, 2002-2006, 13.5 percent of all live births were to Hispanic mothers, and 10.7 percent of all infant deaths were of Hispanic origin.

The leading cause of death for infants of Hispanic origin was disorders related to short gestation and low birthweight, followed by congenital malformations, deformations, and chromosomal abnormalities.

**Most Frequent Causes of Hispanic Infant Death
Delaware, 2002-2006**



Source: Delaware Health Statistics Center

TABLE E-1
NUMBER OF INFANT DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1989-2006

Area/ Race	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
U.S.																		
All Races	39655	38351	36766	34628	33466	31710	29583	28237	28045	28371	27937	28035	27568	28034	28025	27936	28440	28609*
White	25794	24883	23657	22164	21497	20504	19490	18749	18539	18561	18067	18144	17955	18369	18440	18231	18514	18496*
Black	12527	12290	11994	11348	10887	10072	9118	8490	8496	8726	8822	8771	8498	8524	8402	8494	8695	8824*
Other	1334	1178	1115	1116	1082	1134	975	998	1010	1084	1048	1120	1115	1141	1183	1211	1231	1289*
Delaware																		
All Races	128	110	136	93	94	70	79	77	81	103	81	102	114	96	107	97	104	99
White	77	58	79	44	44	40	46	43	42	54	31	65	60	57	53	51	46	50
Black	51	52	55	49	50	27	32	32	36	49	49	37	53	35	53	44	55	44
Other	0	0	2	0	0	3	1	2	3	0	1	0	1	4	1	2	3	5
Kent																		
All Races	17	30	18	19	11	15	18	17	14	18	10	21	19	27	16	17	21	13
White	10	17	9	12	5	10	10	11	4	13	4	16	10	22	8	8	6	7
Black	7	13	8	7	6	5	7	6	10	5	6	5	9	5	8	8	14	5
Other	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1
New Castle																		
All Races	81	68	98	66	68	37	45	48	48	65	61	67	72	55	78	60	66	68
White	47	33	59	29	32	20	24	21	26	27	22	40	37	30	37	33	33	31
Black	34	35	38	37	36	15	21	26	20	38	38	27	35	22	40	27	31	35
Other	0	0	1	0	0	2	0	1	2	0	1	0	0	3	1	0	2	2
Wilmington																		
All Races	29	25	34	27	24	15	11	19	14	18	20	16	17	12	18	12	16	16
White	7	2	11	4	4	3	2	1	4	2	4	4	2	2	4	4	1	2
Black	22	23	23	23	20	11	9	18	10	16	16	12	15	10	14	8	15	14
Other	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County																		
All Races	52	43	64	39	44	22	34	29	34	47	41	51	55	43	60	48	50	52
White	40	31	48	25	28	17	22	20	22	25	18	36	35	28	33	29	32	29
Black	12	12	15	14	16	4	12	8	10	22	22	15	20	12	26	19	16	21
Other	0	0	1	0	0	1	0	1	2	0	1	0	0	3	1	0	2	2
Sussex																		
All Races	30	12	20	8	15	18	16	12	19	20	10	14	23	14	13	20	17	18
White	20	8	11	3	7	10	12	11	12	14	5	9	13	5	8	10	7	12
Black	10	4	9	5	8	7	4	0	6	6	5	5	9	8	5	9	10	4
Other	0	0	0	0	0	1	0	1	1	0	0	0	1	1	0	1	0	2

Notes:

1. *Based on NCHS estimate.
2. 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, 1989-2006

Area/ Race	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
U.S.																		
All Races	25168	24309	22978	21849	21174	20250	19155	18326	18524	18918	18728	18776	18265	18749	18893	18593	18770	19013*
White	16428	15751	14698	13915	13506	13100	12644	12252	12269	12406	12164	12201	12013	12354	12495	12238	12239	12340*
Black	8021	7905	7677	7296	7044	6499	5940	5483	5637	5824	5920	5843	5585	5646	5640	5495	5740	5854*
Other	719	653	603	638	624	651	571	591	618	688	644	732	667	749	758	860	791	819*
Delaware																		
All Races	93	76	90	64	69	48	47	53	55	74	58	71	82	79	75	63	77	72
White	60	40	55	33	33	28	26	28	26	33	21	45	44	48	36	33	34	36
Black	33	36	34	31	36	18	20	24	27	41	37	26	37	28	38	28	40	33
Other	0	0	1	0	0	2	1	1	2	0	0	0	1	3	1	2	3	3
Kent																		
All Races	7	19	12	11	6	7	10	13	10	9	8	15	15	22	8	11	14	7
White	3	13	5	9	2	3	6	7	1	6	3	11	10	18	3	5	3	4
Black	4	6	6	2	4	4	3	6	9	3	5	4	5	4	5	5	10	3
Other	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	0
New Castle																		
All Races	67	46	66	47	56	28	26	33	33	47	44	50	54	47	56	39	52	52
White	40	20	43	21	27	17	12	14	19	15	14	29	27	26	27	21	26	22
Black	27	26	23	26	29	9	14	18	13	32	30	21	27	19	28	18	24	28
Other	0	0	0	0	0	2	0	1	1	0	0	0	0	2	1	0	2	2
Wilmington																		
All Races	24	20	22	19	17	10	6	14	6	12	14	13	14	9	10	9	13	12
White	7	2	10	3	2	3	0	1	3	1	2	4	1	1	1	3	1	1
Black	17	18	12	16	15	6	6	13	3	11	12	9	13	8	9	6	12	11
Other	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County																		
All Races	43	26	44	28	39	18	20	19	27	35	30	37	40	38	46	30	39	40
White	33	18	33	18	25	14	12	13	16	14	12	25	26	25	26	18	25	21
Black	10	8	11	10	14	3	8	5	10	21	18	12	14	11	19	12	12	17
Other	0	0	0	0	0	1	0	1	1	0	0	0	0	2	1	0	2	2
Sussex																		
All Races	19	11	12	6	7	13	11	7	12	18	6	6	13	10	11	13	11	13
White	17	7	7	3	4	8	8	7	6	12	4	5	7	4	6	7	5	10
Black	2	4	5	3	3	5	3	0	5	6	2	1	5	5	5	6	6	2
Other	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	1

Notes:

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

Sources:

National Center for Health Statistics
Delaware Health Statistics Center

TABLE E-3
NUMBER OF POSTNEONATAL DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1989-2006

Area/ Race	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
U.S.																		
All Races	14487	14042	13788	12779	12292	11460	10428	9911	9521	9453	9209	9259	9303	9285	9132	9343	9670	9596*
White	9366	9132	8959	8249	7991	7404	6846	6497	6270	6155	5903	5943	5942	6015	5945	5993	6275	6156*
Black	4506	4385	4317	4052	3843	3573	3178	3007	2859	2902	2902	2928	2913	2878	2762	2999	2955	2970*
Other	615	525	512	478	458	483	404	407	392	396	404	388	448	392	425	351	440	470*
Delaware																		
All Races	35	34	46	29	25	22	32	24	26	29	23	31	32	17	32	34	27	27
White	17	18	24	11	11	12	20	15	16	21	10	20	16	9	17	18	12	14
Black	18	16	21	18	14	9	12	8	9	8	12	11	16	7	15	16	15	11
Other	0	0	1	0	0	1	0	1	1	0	1	0	0	1	0	0	0	2
Kent																		
All Races	10	11	6	8	5	8	8	4	4	9	2	6	4	5	8	6	7	6
White	7	4	4	3	3	7	4	4	3	7	1	5	0	4	5	3	3	3
Black	3	7	2	5	2	1	4	0	1	2	1	1	4	1	3	3	4	2
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
New Castle																		
All Races	14	22	32	19	12	9	19	15	15	18	17	17	18	8	22	21	14	16
White	7	13	16	8	5	3	12	7	7	12	8	11	10	4	10	12	7	9
Black	7	9	15	11	7	6	7	8	7	6	8	6	8	3	12	9	7	7
Other	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0
Wilmington																		
All Races	5	5	12	8	7	5	5	5	8	6	6	3	3	3	8	3	3	4
White	0	0	1	1	2	0	2	0	1	1	2	0	1	1	3	1	0	1
Black	5	5	11	7	5	5	3	5	7	5	4	3	2	2	5	2	3	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	9	17	20	11	5	4	14	10	7	12	11	14	15	5	14	18	11	12
White	7	13	15	7	3	3	10	7	6	11	6	11	9	3	7	11	7	8
Black	2	4	4	4	2	1	4	3	0	1	4	3	6	1	7	7	4	4
Other	0	0	1	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0
Sussex																		
All Races	11	1	8	2	8	5	5	5	7	2	4	8	10	4	2	7	6	5
White	3	1	4	0	3	2	4	4	6	2	1	4	6	1	2	3	2	2
Black	8	0	4	2	5	2	1	0	1	0	3	4	4	3	0	4	4	2
Other	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	1

Notes:

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

INFANT3

Sources:

National Center for Health Statistics
Delaware Health Statistics Center

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1986-2006

Area/ Race	1986 -1990	1987 -1991	1988 -1992	1989 -1993	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006
U.S.																	
All Races	9.9	9.6	9.3	9.0	8.6	8.3	8.0	7.7	7.5	7.3	7.1	7.0	7.0	6.9	6.9	6.9	6.8
White	8.3	8.0	7.7	7.3	7.0	6.8	6.5	6.4	6.2	6.0	5.9	5.8	5.8	5.7	5.7	5.7	N/A
Black	18.0	17.9	17.7	17.5	17.0	16.4	15.8	15.3	14.8	14.6	14.4	14.2	14.3	14.2	14.0	14.0	N/A
Delaware																	
All Races	11.3+	11.5+	10.9+	10.3+	9.3	8.9	7.9	7.8	7.9	8.1+	8.4+	9.0+	9.2+	9.1+	9.3+	9.2+	8.8+
White	8.9	8.9	8.2	7.5	6.6	6.4	5.6-	5.6	5.9	5.7	6.2	6.6	6.9+	6.9+	7.3+	6.8+	6.4
Black	19.6	20.0	19.8	19.9	18.2	17.0	15.8	14.7	14.4	15.8	15.9	17.1+	16.7+	16.7+	16.1	17.1+	16.1
Kent																	
All Races	11.2	11.3	11.3	9.7	9.5	8.6	8.6	8.2	9.0	8.4	8.6	8.7	9.9	9.5	10.2	10.0	9.1
White	9.4	9.0	8.8	7.3	7.3	6.5	6.8	5.8	7.1	6.3	7.0	6.9	9.5	8.6	9.2	7.6	7.0
Black	17.7	18.9	19.9	17.9	17.6	15.5	15.2	16.6	15.9	15.7	14.3	15.2	12.7	13.4	13.9	17.0	14.8
New Castle																	
All Races	11.2	11.3	10.8	10.7	9.5	9.0	7.8	7.3	7.3	7.9	8.5	9.1	9.2	9.5	9.4	9.3	9.1
White	8.4	8.6	7.9	7.5	6.5	6.3	5.0	4.9	4.8	4.9	5.6	6.2	6.4	6.8	7.3	7.0	6.8
Black	21.1	20.8	20.8	21.7	19.8	18.3	17.5	15.3	15.1	17.4	17.7	18.2	18.0	18.0	16.5	16.7	16.3
Wilmington																	
All Races	20.9	20.4	19.6	19.4	18.0	16.6	15.2	13.6	12.8	13.7	14.4	14.0	13.5	13.5	12.4	12.4	12.0
White	16.2	14.1	12.3	11.2	9.7	10.1	---	---	---	---	---	---	---	---	---	---	---
Black	23.8	24.1	23.7	24.3	22.7	20.4	20.5	17.8	16.8	18.0	18.7	18.0	17.9	17.6	15.9	17.0	16.3
Balance of NC County																	
All Races	8.6	9.0	8.6	8.5	7.5	7.2	6.1	5.9	6.0	6.7	7.2	8.1	8.3	8.6	8.8	8.7	8.5
White	7.6	8.1	7.4	7.1	6.2	5.9	4.8	4.8	4.7	4.8	5.4	6.1	6.4	6.8	7.3	7.2	6.9
Black	17.4	16.5	17.1	18.6	16.3	16.0	14.4	12.9	13.6	16.8	16.8	18.5	18.1	18.2	17.0	16.6	16.3
Sussex																	
All Races	12.2	12.2	10.7	9.7	8.3	8.7	7.9	9.0	9.5	8.5	8.1	9.0	8.3	7.4	8.1	8.2	7.5
White	10.5	10.1	8.8	7.8	6.2	6.8	6.8	8.0	8.9	8.0	7.5	7.6	6.5	5.5	5.5	5.0	
Black	16.8	18.0	16.1	15.3	13.7	13.8	10.4	11.1	10.4	9.9	10.4	14.4	15.9	15.4	16.9	19.0	16.9

Notes:

1. 2002-2006 US data are based on NCHS estimates.
2. N/A indicates data not available.
3. Infant mortality rates represent the number of deaths of children under one year of age per 1000 live births.
4. '+' 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.
5. "—" Indicates rate does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator.
6. No statistical comparisons were made between the county rates and the U.S. rate due to small numbers. See Appendix C for details.

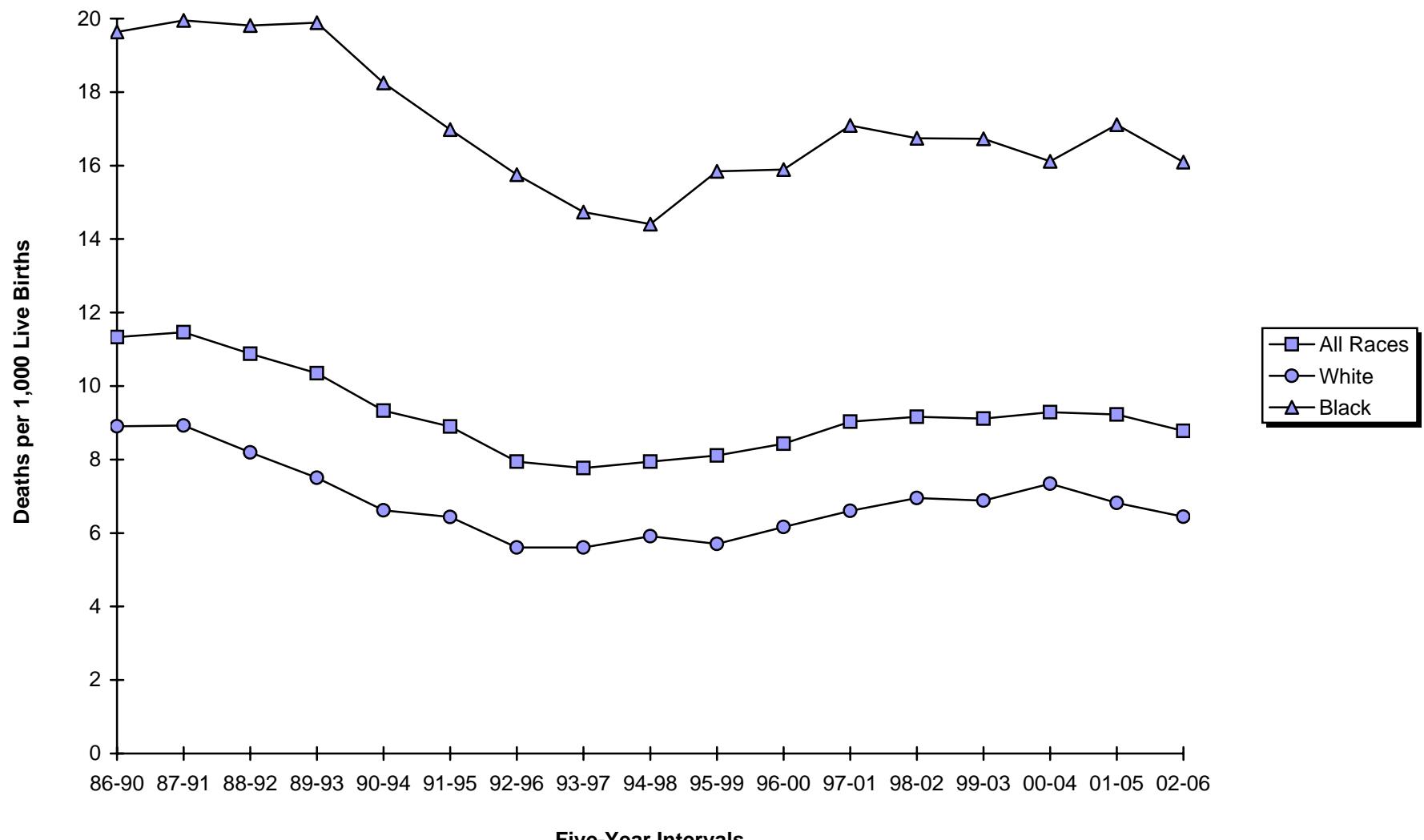
INFANT4

Sources:

National Center for Health Statistics
Delaware Health Statistics Center

Figure E-1
Five-Year Average Infant Mortality Rates by Race

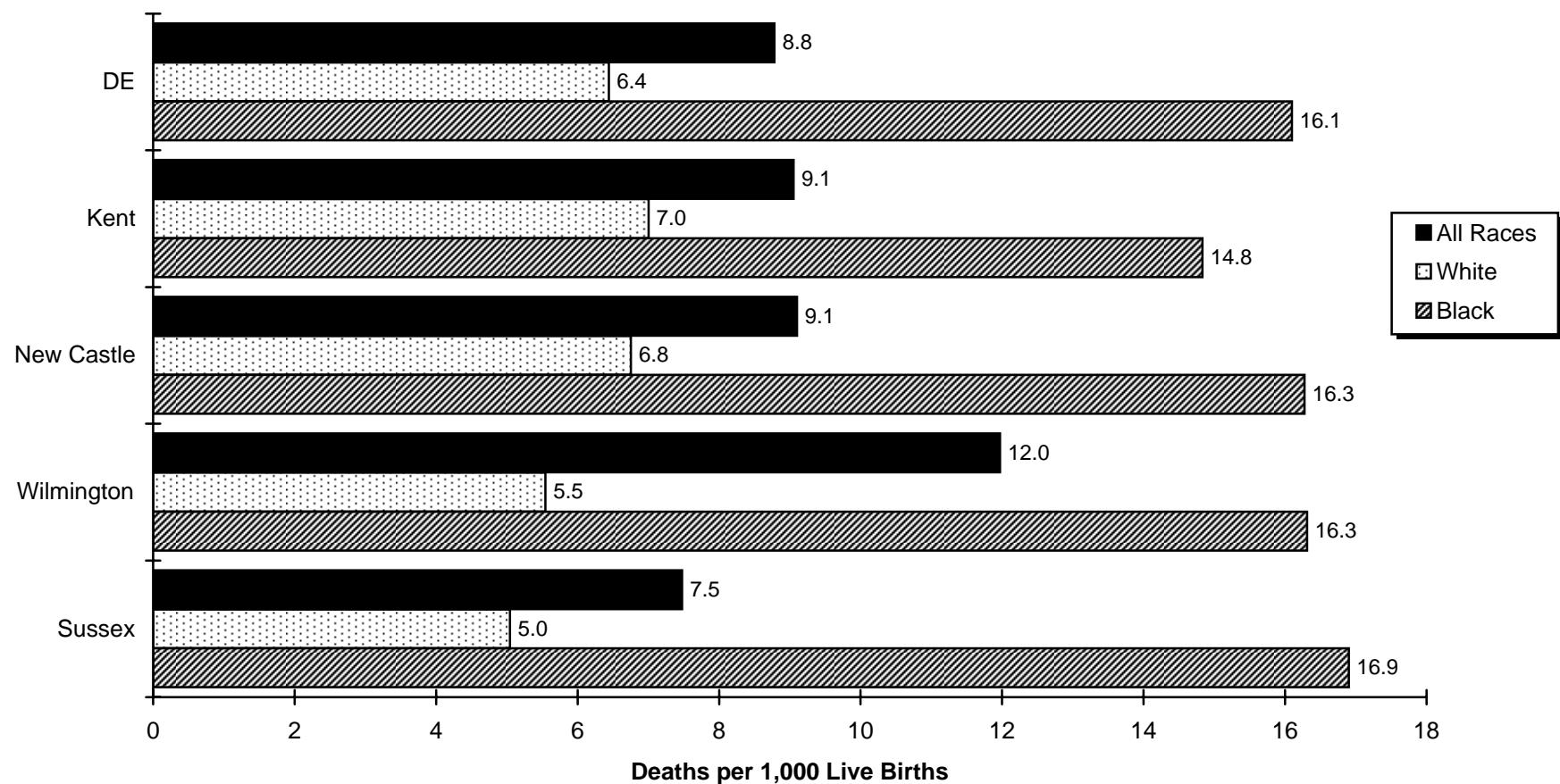
Delaware, 1986-2006



Source:
Delaware Health Statistics Center

Figure E-2
Five-Year Average Infant Mortality Rates by Race

Delaware, Counties and the City of Wilmington, 2002-2006



Source:
Delaware Health Statistics Center

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1986-2006

Area/ Race	1986 -1990	1987 -1991	1988 -1992	1989 -1993	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006
U.S.																	
All Races	6.3	6.1	5.9	5.7	5.4	5.3	5.1	5.0	4.9	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.6
White	5.3	5.1	4.8	4.6	4.4	4.3	4.2	4.1	4.0	4.0	3.9	3.9	3.9	3.9	3.8	3.8	N/A
Black	11.7	11.6	11.4	11.3	10.9	10.6	10.2	9.9	9.7	9.6	9.5	9.5	9.5	9.5	9.3	9.2	N/A
Delaware																	
All Races	8.2+	8.1+	7.6+	7.2+	6.4+	6.0+	5.4	5.3	5.4	5.5+	5.9+	6.4+	6.7+	6.7+	6.7+	6.7+	6.4+
White	6.5+	6.4+	5.9+	5.5+	4.7	4.5	3.8	3.7	3.7	3.5	4.0	4.4	5.0+	5.0+	5.3+	5.0+	4.7
Black	14.1+	13.7+	13.5+	13.2	12.1	11.1	10.7	10.4	10.6	11.9+	12.1+	12.8+	12.7+	12.2+	11.4+	12.2+	11.6
Kent																	
All Races	7.1	7.2	6.6	5.6	5.6	4.9	5.0	5.0	5.4	5.5	5.9	6.1	7.2	7.0	7.2	7.0	6.0
White	6.0	5.7	5.2	4.4	4.4	3.6	3.8	---	3.4	3.4	4.1	4.6	7.0	6.5	6.8	5.5	4.5
Black	11.2	12.2	11.2	9.6	10.0	---	---	12.7	12.1	12.0	12.1	11.3	8.9	9.3	9.2	11.2	10.0
New Castle																	
All Races	8.5	8.4	7.9	7.9	6.9	6.4	5.6	5.2	5.0	5.4	6.1	6.6	6.9	7.1	7.0	7.0	6.8
White	6.3	6.4	5.9	5.7	4.8	4.6	3.6	3.6	3.1	3.0	3.7	4.3	4.5	5.0	5.3	5.2	5.0
Black	16.2	15.2	15.0	15.8	13.9	12.6	12.4	10.8	10.8	13.0	13.5	14.2	14.5	13.9	12.4	12.5	12.3
Wilmington																	
All Races	16.7	15.9	15.0	14.3	12.7	11.1	10.5	8.7	8.0	8.7	9.8	9.7	10.1	9.8	9.1	9.1	8.6
White	14.2	13.3	11.5	9.6	8.1	---	---	---	---	---	---	---	---	---	---	---	---
Black	18.3	17.6	17.0	17.0	15.2	13.0	14.2	11.2	10.2	11.8	12.5	12.5	13.8	13.4	12.1	13.1	12.3
Balance of NC County																	
All Races	6.4	6.4	6.1	6.3	5.5	5.3	4.5	4.5	4.3	4.7	5.3	6.0	6.3	6.6	6.5	6.6	6.5
White	5.5	5.7	5.3	5.2	4.5	4.3	3.5	3.5	3.1	3.0	3.6	4.2	4.6	5.1	5.4	5.5	5.2
Black	13.3	12.1	12.4	14.3	12.3	12.1	10.6	10.3	11.4	14.1	14.4	15.6	15.1	14.2	12.5	12.1	12.3
Sussex																	
All Races	8.3	7.8	7.7	6.3	5.6	5.5	5.0	5.6	6.8	6.0	5.3	5.8	5.5	4.6	5.1	5.5	5.3
White	7.8	6.9	6.8	6.1	4.6	4.8	4.8	5.1	6.2	5.5	5.0	4.9	4.5	3.6	3.8	3.7	3.8
Black	9.9	10.3	10.2	---	8.3	---	---	---	---	---	---	---	---	---	9.9	12.1	10.8

INFANT5

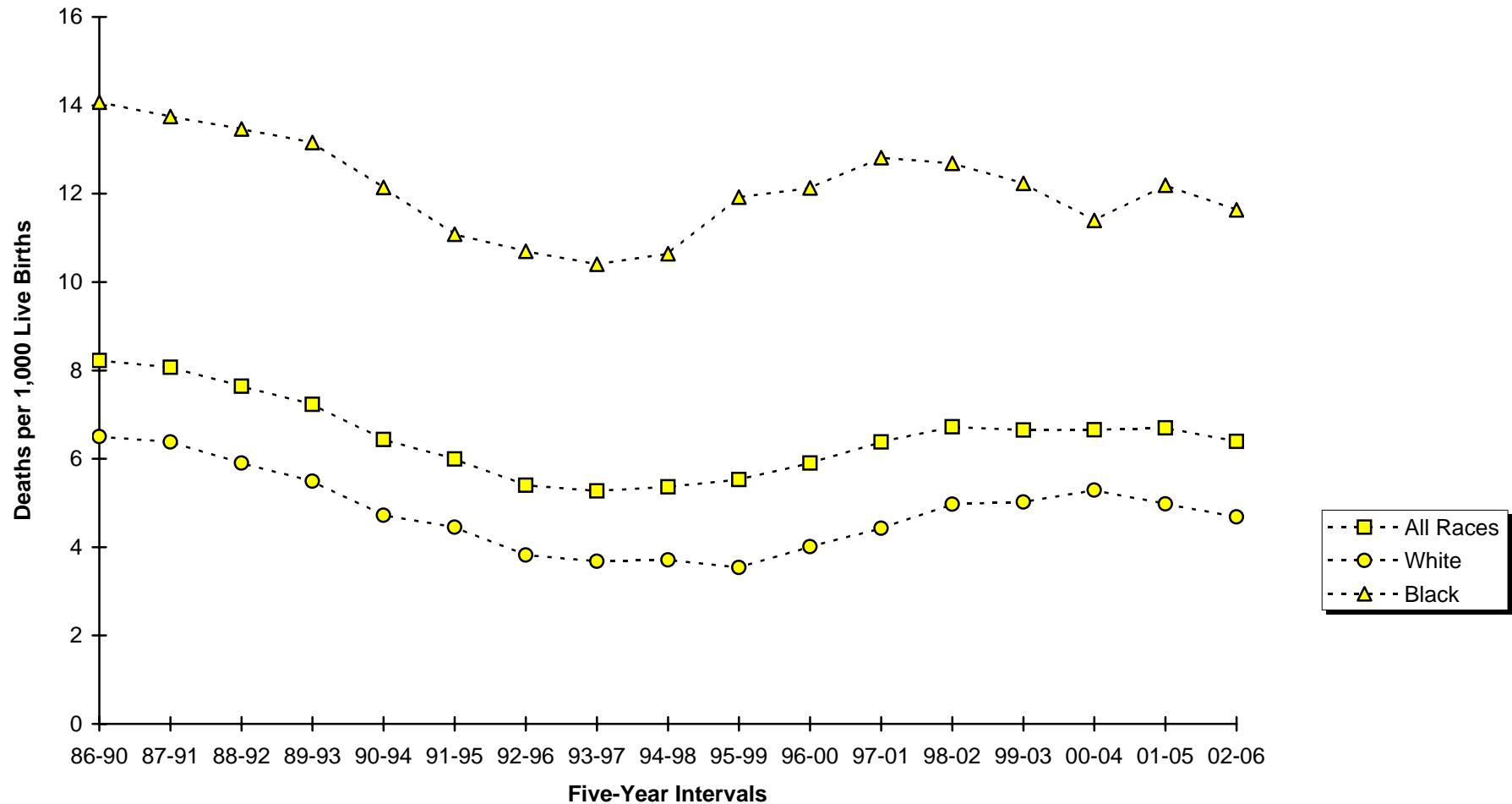
Notes:

1. 2002-2006 US data are based on NCHS estimates.
2. N/A indicates data not available.
3. Neonatal mortality rates represent the number of deaths of children under 28 days of age per 1000 live births.
4. '+' indicates that the Delaware rate is significantly higher than the U.S. rate.
5. "—" Indicates rate does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator.
6. 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, 1986-2006



Source:
 Delaware Health Statistics Center

TABLE E-6
FIVE-YEAR AVERAGE POSTNEONATAL MORTALITY RATES BY RACE
U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1986-2006

Area/ Race	1986 -1990	1987 -1991	1988 -1992	1989 -1993	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006
U.S.																	
All Races	3.6	3.5	3.4	3.3	3.2	3.0	2.9	2.7	2.6	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3
White	3.0	2.9	2.8	2.7	2.6	2.5	2.4	2.3	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	N/A
Black	6.3	6.3	6.3	6.3	6.0	5.8	5.6	5.4	5.1	5.0	4.8	4.8	4.8	4.7	4.8	4.8	N/A
Delaware																	
All Races	3.1	3.4	3.2	3.1	2.9	2.9	2.5	2.5	2.6	2.6	2.5	2.6	2.4	2.5	2.6	2.5	2.4
White	2.4-	2.5	2.3-	2.0-	1.9-	2.0-	1.8-	1.9	2.2	2.2	2.2	2.2	2.0	1.9	2.1	1.8	1.8
Black	5.6	6.2	6.3	6.7	6.1	5.9	5.1	4.3	3.8-	3.9	3.8	4.3	4.1	4.5	4.7	4.9	4.5
Kent																	
All Races	4.0	4.1	4.7	4.1	3.9	3.7	3.5	3.2	3.6	3.0	2.7	2.7	2.7	2.6	2.9	3.0	3.1
White	3.4	3.3	3.6	2.9	2.9	3.0	3.0	3.1	3.7	--	2.9	--	--	--	--	--	--
Black	---	---	8.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---
New Castle																	
All Races	2.7	3.0	2.9	2.8	2.7	2.6	2.2	2.1	2.3	2.5	2.4	2.5	2.2	2.3	2.4	2.3	2.3
White	2.1	2.2	2.0	1.8	1.7	1.7	1.4	1.4	1.7	1.9	1.8	2.0	1.8	1.8	1.9	1.8	1.7
Black	4.9	5.6	5.8	5.9	5.9	5.7	5.1	4.5	4.3	4.4	4.2	4.0	3.5	4.1	4.2	4.2	4.0
Wilmington																	
All Races	4.1	4.5	4.6	5.2	5.3	5.5	4.8	4.9	4.8	5.0	4.6	4.3	3.4	3.7	3.3	3.3	3.4
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	5.4	6.6	6.7	7.2	7.5	7.3	6.3	6.5	6.6	6.3	6.2	5.5	---	---	---	---	---
Balance of NC County																	
All Races	2.3	2.6	2.5	2.2	2.0	1.9	1.6	1.5	1.7	1.9	1.9	2.1	2.0	2.0	2.3	2.1	2.0
White	2.1	2.3	2.1	1.9	1.7	1.6	1.3	1.3	1.6	1.8	1.8	1.9	1.8	1.6	1.9	1.7	1.6
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	4.0	4.4	4.4	4.0
Sussex																	
All Races	3.9	4.4	3.0	3.4	2.7	3.2	2.9	3.4	2.7	2.5	2.8	3.3	2.9	2.8	3.0	2.7	2.2
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Notes:

1. 2002-2006 US data based on NCHS estimates.
2. N/A indicates data not available.
3. Postneonatal mortality rates represent the number of deaths of children 28 to 364 days of age per 1000 live births.
4. '-' indicates that the Delaware rate is significantly lower than the U.S. rate.
5. "---" Indicates rate does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator.
6. No statistical comparisons were made between the county rates and the U.S. rate due to small numbers. See Appendix C for details.

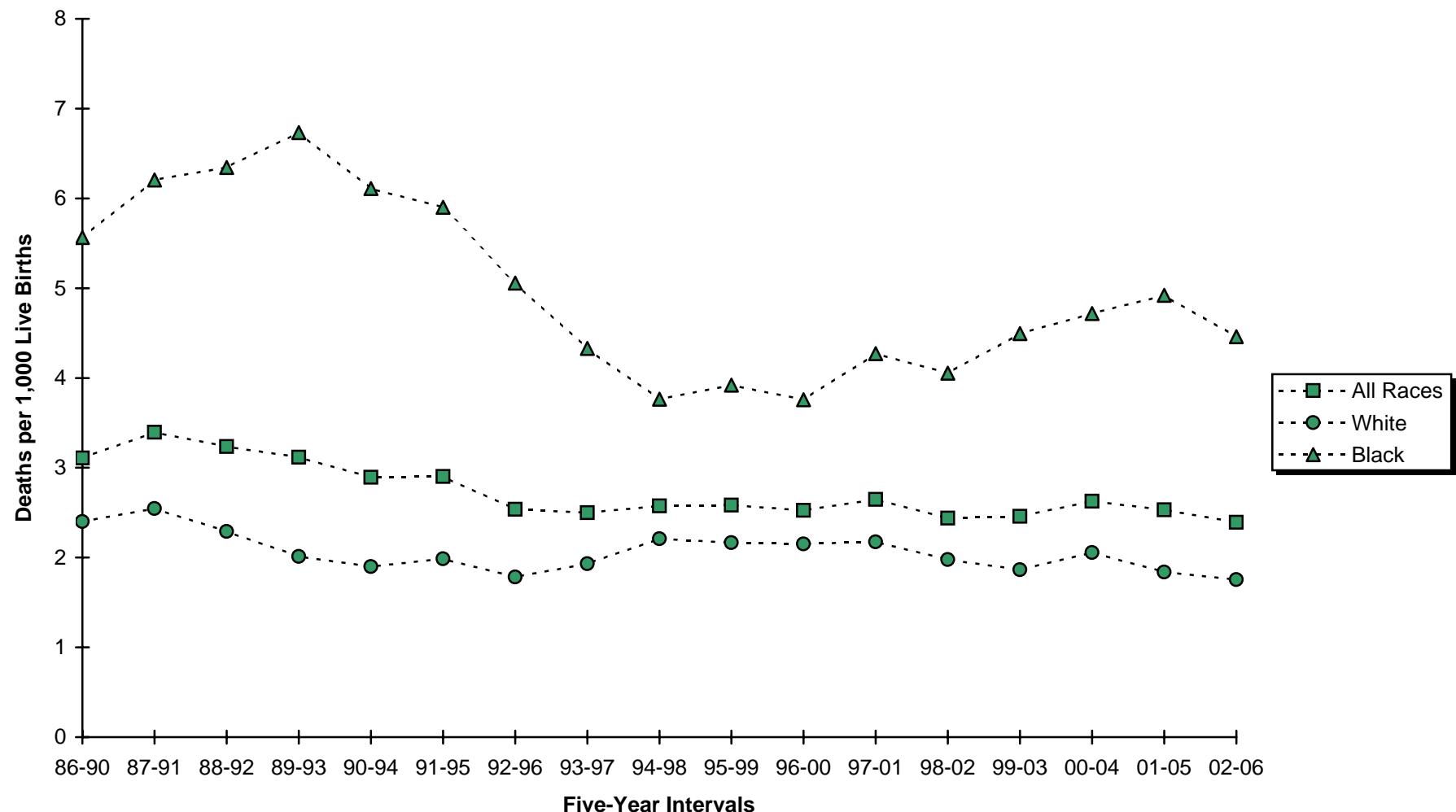
Sources:

National Center for Health Statistics
Delaware Health Statistics Center

INFANT6

Figure E-4
Five-Year Average Postneonatal Mortality Rates by Race

Delaware, 1986-2006



Source:
 Delaware Health Statistics Center

TABLE E-7
FIVE-YEAR AVERAGE PERINATAL MORTALITY RATES BY RACE

DELAWARE AND COUNTIES, 1989-2006

Area/ Race	1989 -1993	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006
Delaware														
All Races	9.8	8.8	8.0	7.1	6.9	6.9	7.0	7.1	7.6	8.1	8.1	8.0	8.2	8.0
White	7.6	6.8	6.3	5.7	5.6	5.7	5.4	5.6	5.8	6.2	6.3	6.3	6.2	6.1
Black	16.9	15.2	13.2	11.4	10.8	10.9	12.0	12.4	14.0	14.7	14.5	13.7	14.6	13.5
Kent														
All Races	8.4	8.2	7.6	7.7	6.7	7.3	7.6	7.5	7.4	9.1	9.0	8.5	9.0	8.2
White	7.8	7.5	6.4	6.4	4.8	5.6	5.8	6.0	6.2	8.3	7.9	7.5	7.1	6.0
Black	10.5	9.9	10.3	11.2	12.7	12.5	13.3	12.9	12.2	12.2	12.9	11.5	14.6	14.0
New Castle														
All Races	10.4	9.2	8.3	7.3	6.9	6.7	7.0	7.3	8.0	8.4	8.5	8.4	8.5	8.2
White	7.6	6.7	6.3	5.5	5.5	5.3	5.0	5.3	5.6	5.8	6.2	6.3	6.3	6.2
Black	19.7	17.5	14.8	13.2	11.3	11.3	13.1	13.7	15.4	16.4	16.0	15.0	15.1	14.1
Sussex														
All Races	8.9	8.1	7.2	5.9	7.0	7.3	6.6	6.3	6.7	6.5	6.0	6.3	6.7	6.9
White	7.5	6.5	6.2	6.2	6.8	7.2	6.5	6.1	5.7	5.5	5.1	5.3	5.2	6.0
Black	13.1	12.3	10.4	5.6	7.5	7.6	6.6	6.6	10.2	10.1	9.6	10.3	12.5	10.3

PERI_RACE

Notes:

1. Perinatal relates to the period surrounding the birth event.
2. The perinatal mortality rate is the sum of late fetal deaths (28+ weeks gestation) and early infant deaths (<7 days of age) per 1,000 live births and late fetal deaths.

Source:

Delaware Health Statistics Center

Figure E-5
Five-year Average Perinatal Mortality Rates by Race
Delaware, 1989-2006

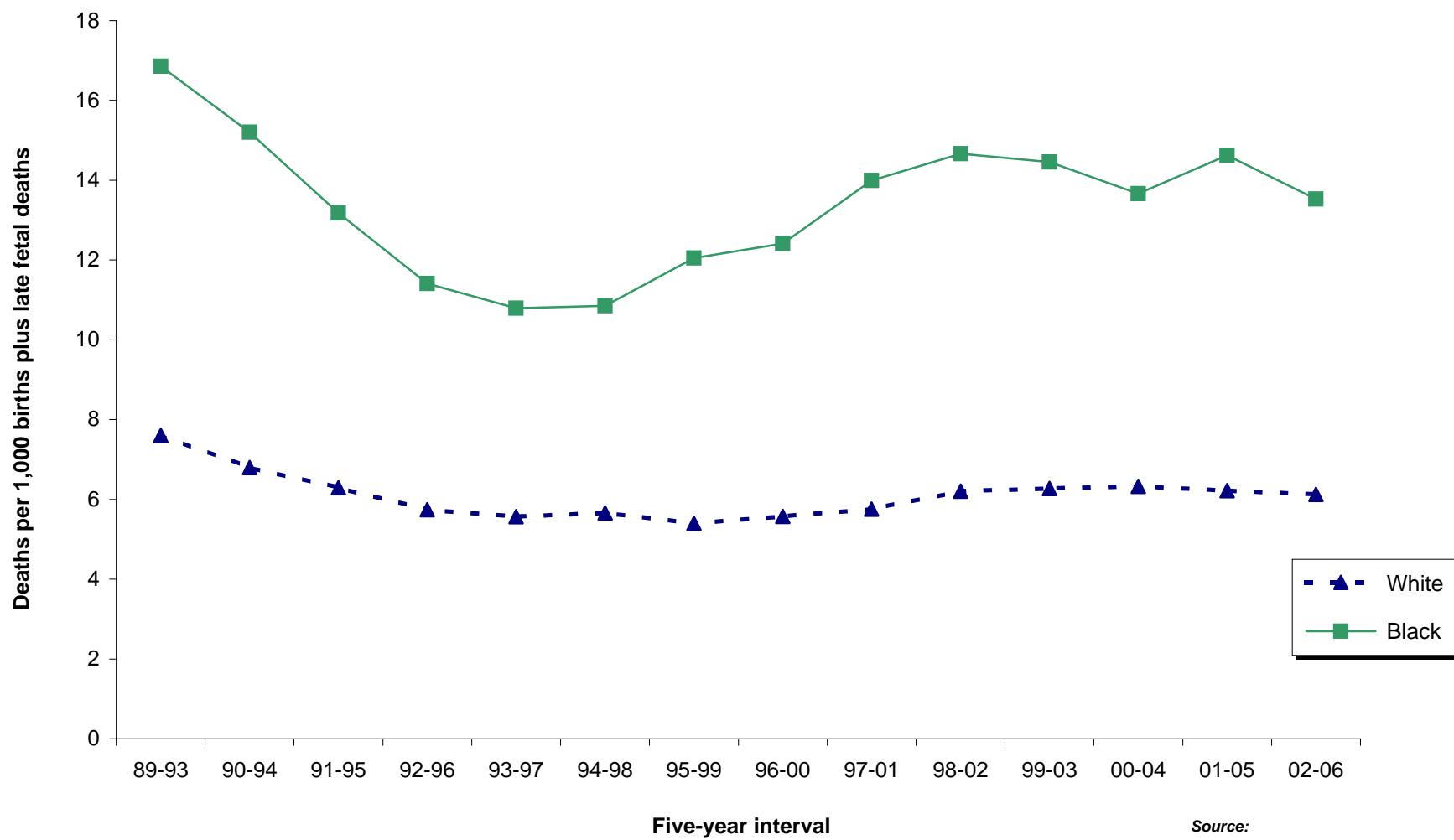


TABLE E-8
FIVE-YEAR AVERAGE INFANT MORTALITY
RATES BY SELECTED RISK MARKERS AND RACE OF MOTHER

DELAWARE, 2001-2005 LIVE BIRTH COHORT

Risk Factor	Race		
	All Races	White	Black
Birth Weight of Child			
<2500	73.9	67.8	87.5
<1500	311.1	317.5	313.6
1500-2499	13.3	12.5	14.5
2500+	2.2	1.9	3.5
Age of Mother			
<20	11.2	10.9	11.8
20-24	9.7	7.1	15.0
25-29	8.9	5.8	19.8
30+	8.1	6.8	15.5
Marital Status of Mother			
Married	7.0	6.0	14.8
Single	11.9	9.0	15.9
Education of Mother			
<12 years	10.2	9.3	13.7
H.S. diploma	11.5	8.1	19.1
1+ years college	6.3	5.0	12.0
Trimester Care Received			
Late/No PNC ²	25.4	19.7	38.0
First	8.2	6.3	14.5
Interval Since Last Live Birth			
<18 months	13.8	10.3	20.5
18+ months	7.1	5.0	13.7

COHRATES

Notes:

1. Infant mortality rates represent the number of deaths to children under one year of age per 1,000 live births.
2. Defined as receiving no care or care in the third trimester.

Source:

Delaware Health Statistics Center

TABLE E-9
LEADING CAUSES OF INFANT DEATH BY GESTATIONAL AGE CATEGORY

DELAWARE, 2001-2005 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	108	1	0	1	110	98.2	99.1
Congenital malformations, deformations, and chromosomal abnormalities	24	18	22	0	64	37.5	65.6
Newborn affected by maternal complications of pregnancy	50	1	0	0	51	98.0	100.0
Sudden infant death syndrome	3	7	28	0	38	7.9	26.3
Newborn affected by complications of placenta, cord, and membranes	27	2	1	0	30	90.0	96.7
Respiratory distress of newborn	21	0	0	0	21	100.0	100.0
Bacterial sepsis of newborn	19	1	1	0	21	90.5	95.2
Diseases of the circulatory system	2	3	8	0	13	15.4	38.5
Intrauterine hypoxia and birth asphyxia	6	1	2	0	9	66.7	77.8
Accidents (unintentional injuries)	1	3	5	0	9	11.1	44.4
Gastritis, duodenitis, and noninfective enteritis and colitis	7	0	0	0	7	100.0	100.0
Pulmonary hemorrhage originating in the perinatal period	7	0	0	0	7	100.0	100.0
Renal failure and other disorders of kidney	4	0	2	0	6	66.7	66.7
Newborn affected by other complications of labor and delivery	5	0	1	0	6	83.3	83.3
Neonatal hemorrhage	5	0	1	0	6	83.3	83.3
Septicemia	2	1	2	0	5	40.0	60.0
Slow fetal growth and fetal malnutrition	5	0	0	0	5	100.0	100.0
Necrotizing enterocolitis of newborn	2	2	1	0	5	40.0	80.0
Atelectasis	3	1	0	0	4	75.0	100.0
Interstitial emphysema and related conditions originating in the perinatal period	3	0	0	0	3	100.0	100.0
All other causes	36	21	31	0	88	40.9	64.8
TOTAL	340	62	105	1	508	66.9	79.1

Notes:

1. Leading causes of infant death are categorized using the 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

TABLE E-10
FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE AND SELECTED RISK MARKERS

DELAWARE LIVE BIRTH COHORT, 1989-2005

Parameter/ Race	1989 -1993	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005
BIRTHWEIGHT													
2500+													
All Races	2.8	2.6	2.6	2.3	2.3	2.5	2.4	2.4	2.5	2.3	2.4	2.5	2.2
White	2.3	2.1	2.1	2.0	2.1	2.4	2.4	2.3	2.4	2.1	2.0	2.1	1.9
Black	4.7	4.1	4.1	3.3	2.9	2.8	2.8	2.8	3.0	3.0	3.6	3.9	3.5
<2500													
All Races	94.4	83.8	76.4	68.7	65.4	64.8	66.5	69.5	75.2	76.4	74.2	73.1	73.9
White	82.6	69.9	66.3	58.4	56.9	55.4	53.9	55.9	63.2	68.7	67.4	68.8	67.8
Black	110.9	102.9	91.1	85.3	78.9	78.8	86.0	88.2	93.7	90.5	88.3	83.0	87.5
<1500													
All Races	364.7	337.3	307.1	272.9	255.2	258.5	262.7	270.9	304.8	316.2	302.4	306.2	311.1
White	361.0	311.4	282.1	239.3	229.8	223.2	219.3	231.5	281.9	303.4	297.2	316.8	317.5
Black	366.2	355.0	328.4	306.1	280.3	296.8	315.8	312.1	329.8	335.5	317.0	301.5	313.6
GESTATION													
37+ weeks													
All Races	3.0	2.6	2.7	2.3	2.4	2.6	2.6	2.5	2.5	2.3	2.3	2.4	2.2
White	2.5	2.1	2.3	2.2	2.3	2.6	2.6	2.4	2.3	2.1	1.9	2.0	1.7
Black	4.7	3.9	3.8	2.8	2.8	2.8	2.7	2.8	3.1	2.9	3.7	4.0	3.4
<37 weeks													
All Races	68.2	62.9	56.2	50.3	47.1	45.6	45.9	48.2	53.0	54.3	52.8	52.6	53.1
White	58.9	51.3	45.6	38.1	37.2	35.4	33.6	35.7	41.8	45.5	45.1	46.5	44.8
Black	81.5	79.8	73.4	72.3	65.3	64.1	69.6	70.5	73.5	72.5	70.5	67.7	72.3
<32 weeks													
All Races	267.6	260.6	238.6	212.4	196.5	199.8	201.3	214.9	238.1	249.6	238.7	239.4	246.9
White	283.3	259.5	231.0	186.3	177.7	179.4	174.0	191.5	228.4	249.2	238.2	244.0	245.5
Black	254.4	258.2	242.8	239.1	215.4	222.2	235.6	238.7	250.4	255.4	246.3	239.8	257.8
PLURALITY													
Single													
All Races	9.1	8.2	7.7	7.0	6.7	6.7	6.8	6.9	7.3	7.3	7.3	7.5	7.4
White	6.1	5.4	5.4	5.0	5.0	5.1	5.1	4.9	5.2	5.4	5.2	5.6	5.4
Black	18.8	16.8	14.8	13.3	12.1	11.5	12.2	12.9	13.4	13.4	13.8	13.5	13.6
Plural													
All Races	52.8	45.6	43.1	30.0	33.5	39.3	41.6	45.4	53.1	52.9	52.3	50.3	50.6
White	49.8	41.9	37.9	24.5	28.9	30.4	28.6	35.1	43.4	48.0	50.3	49.2	48.5
Black	65.2	---	---	---	---	68.7	84.6	73.0	80.7	68.5	60.8	54.1	62.8
SMOKING DURING PREGNANCY													
No													
All Races	9.2	8.1	7.8	7.0	7.1	7.1	7.4	7.6	8.1	8.0	8.2	8.2	8.1
White	6.7	5.5	5.4	5.0	5.3	5.2	5.3	5.3	5.7	5.8	5.9	6.2	6.0
Black	17.1	15.9	15.0	13.4	12.6	12.7	14.0	14.3	15.3	14.8	15.0	14.3	14.6
Yes													
All Races	13.4	13.3	12.1	10.3	9.2	10.6	10.6	11.3	13.4	15.1	14.1	14.8	15.1
White	8.7	9.5	9.6	8.2	7.4	9.4	9.3	9.8	12.2	14.2	12.7	13.3	13.0
Black	31.1	27.4	21.3	18.6	16.2	15.3	16.3	17.3	18.0	18.9	19.4	19.5	22.0

TABLE E-10 (continued)
FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE AND SELECTED RISK MARKERS

DELAWARE LIVE BIRTH COHORT, 1989-2005

Parameter/ Race	1989 -1993	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005
EDUCATION													
HS Grad or less													
All Races	11.8	10.6	10.4	9.5	9.4	9.9	10.4	10.3	11.1	11.5	11.4	11.4	11.0
White	8.4	7.4	7.6	6.9	7.2	8.0	8.0	7.8	8.4	9.1	8.8	9.1	8.6
Black	19.8	17.8	16.8	15.7	14.3	14.3	15.8	15.6	16.8	16.9	17.2	16.9	17.1
1+ yrs college													
All Races	7.2	6.5	5.7	5.0	4.9	4.9	4.9	5.5	6.1	6.0	6.0	6.0	6.3
White	5.5	4.6	4.2	4.0	3.9	3.7	3.6	4.1	4.6	4.7	4.7	5.0	5.0
Black	18.1	16.9	13.0	9.9	10.2	10.5	11.8	13.5	13.9	12.6	12.2	11.0	12.0
PREGNATAL CARE ATTAINMENT													
First													
All Races	9.1	8.0	7.4	6.7	6.5	6.9	7.3	7.7	8.2	8.3	8.2	8.3	8.2
White	6.7	5.6	5.5	5.1	5.1	5.3	5.5	5.8	6.2	6.4	6.2	6.6	6.3
Black	19.9	18.0	15.0	13.5	12.3	12.6	14.2	14.6	15.2	14.8	15.0	14.2	14.5
Late or no													
All Races	26.4	23.8	27.2	24.0	25.2	21.9	19.4	15.5	20.1	21.7	25.8	25.0	25.4
White	20.8	24.3	29.6	20.5	24.9	22.3	16.7	11.5	17.4	19.6	24.2	22.1	19.7
Black	31.1	24.3	26.3	28.5	25.5	21.5	21.2	19.0	23.0	25.8	30.6	31.8	38.0
PAYMENT FOR DELIVERY													
Medicaid													
All Races	NA	NA	11.7	10.1	10.0	10.3	10.9	9.9	10.6	10.1	9.5	9.8	10.1
White	NA	NA	8.5	7.3	7.9	8.8	9.1	7.7	8.6	8.3	7.1	7.5	7.6
Black	NA	NA	15.4	13.8	12.9	12.7	13.6	13.1	13.8	13.0	13.3	13.7	14.7
Private Insurance													
All Races	NA	NA	6.1	5.5	5.3	5.5	5.7	6.5	6.8	7.4	7.7	7.8	7.5
White	NA	NA	4.8	4.4	4.2	4.2	4.3	4.9	5.2	5.7	5.9	6.1	5.8
Black	NA	NA	14.1	12.6	11.6	12.8	13.7	14.8	15.6	16.5	17.1	16.9	16.8

COTREND

Notes:

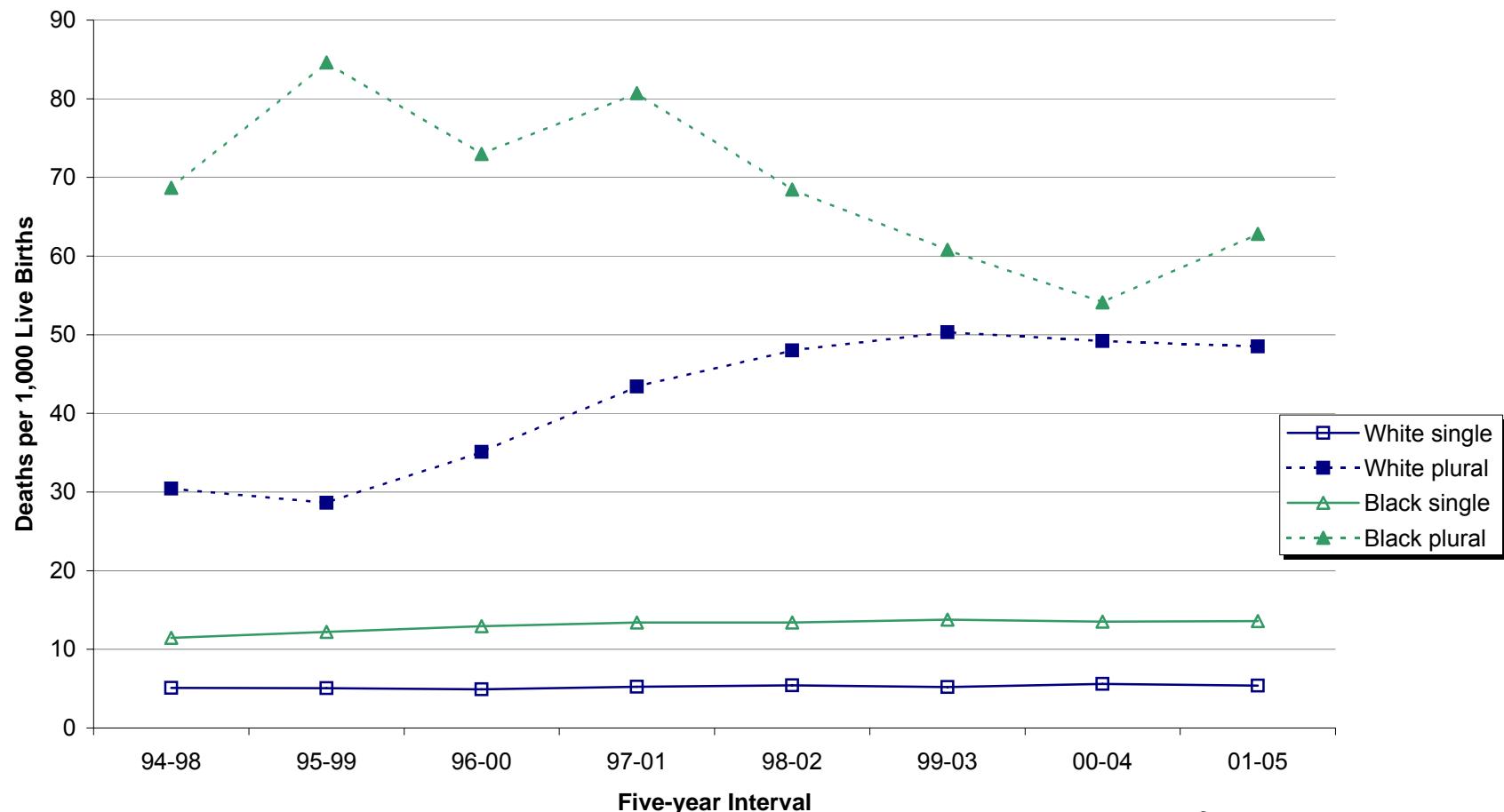
- See the Basic Definitions section for definitions of birthweight, gestation, prenatal care attainment, and plurality.
- "--" indicates rate does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.
- Primary source of payment for delivery not available prior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

Source:

Delaware Health Statistics Center

Figure E-6
Five-year Average Infant Mortality Rates by Race and Plurality

Delaware, 1994-2005 Live Birth Cohort



Source:
Delaware Health Statistics Center

Figure E-7
**Five-year Average Infant Mortality Rates by Race of Mothers who Smoked
 during Pregnancy versus all Non-smoking Mothers**

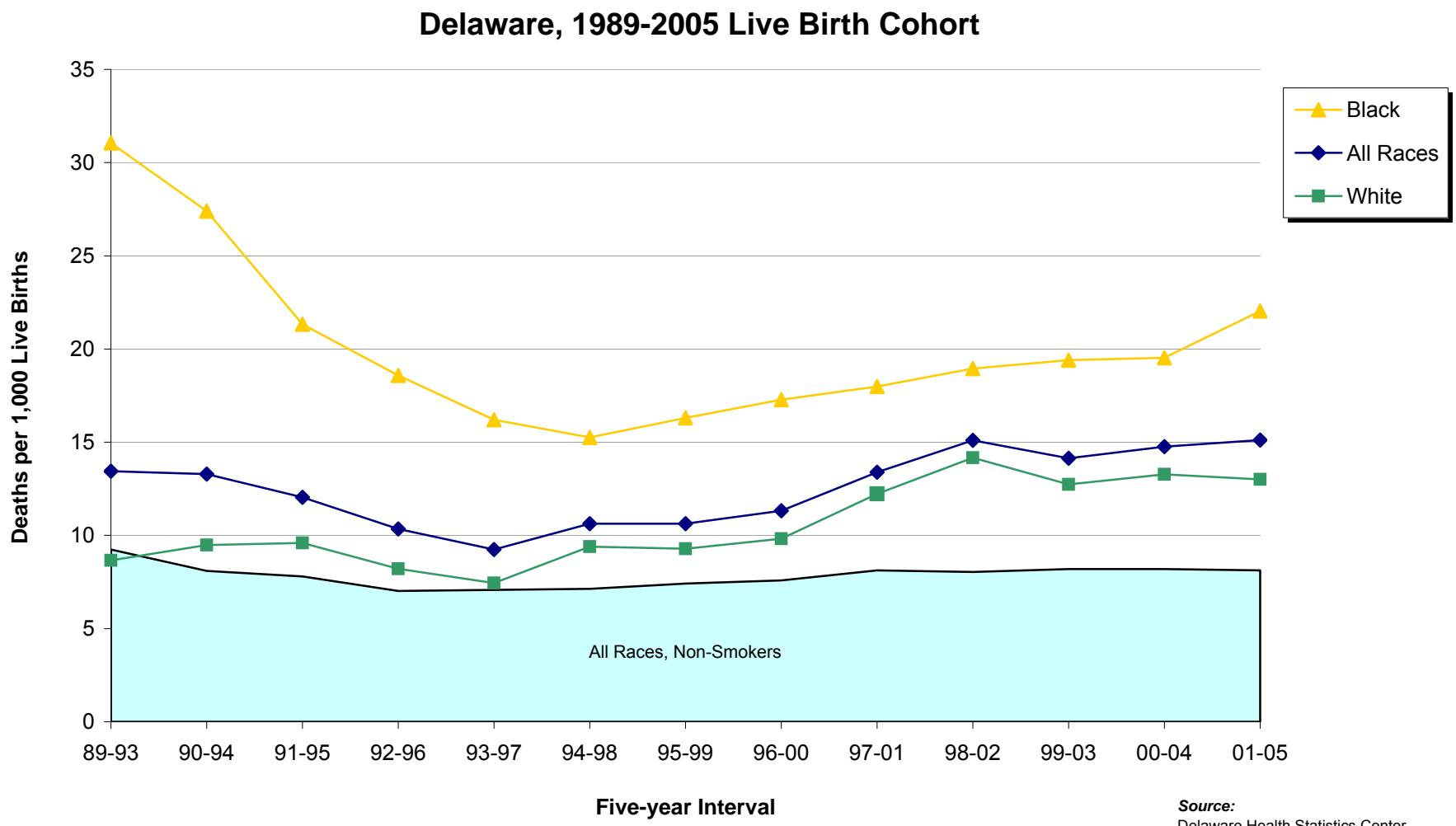
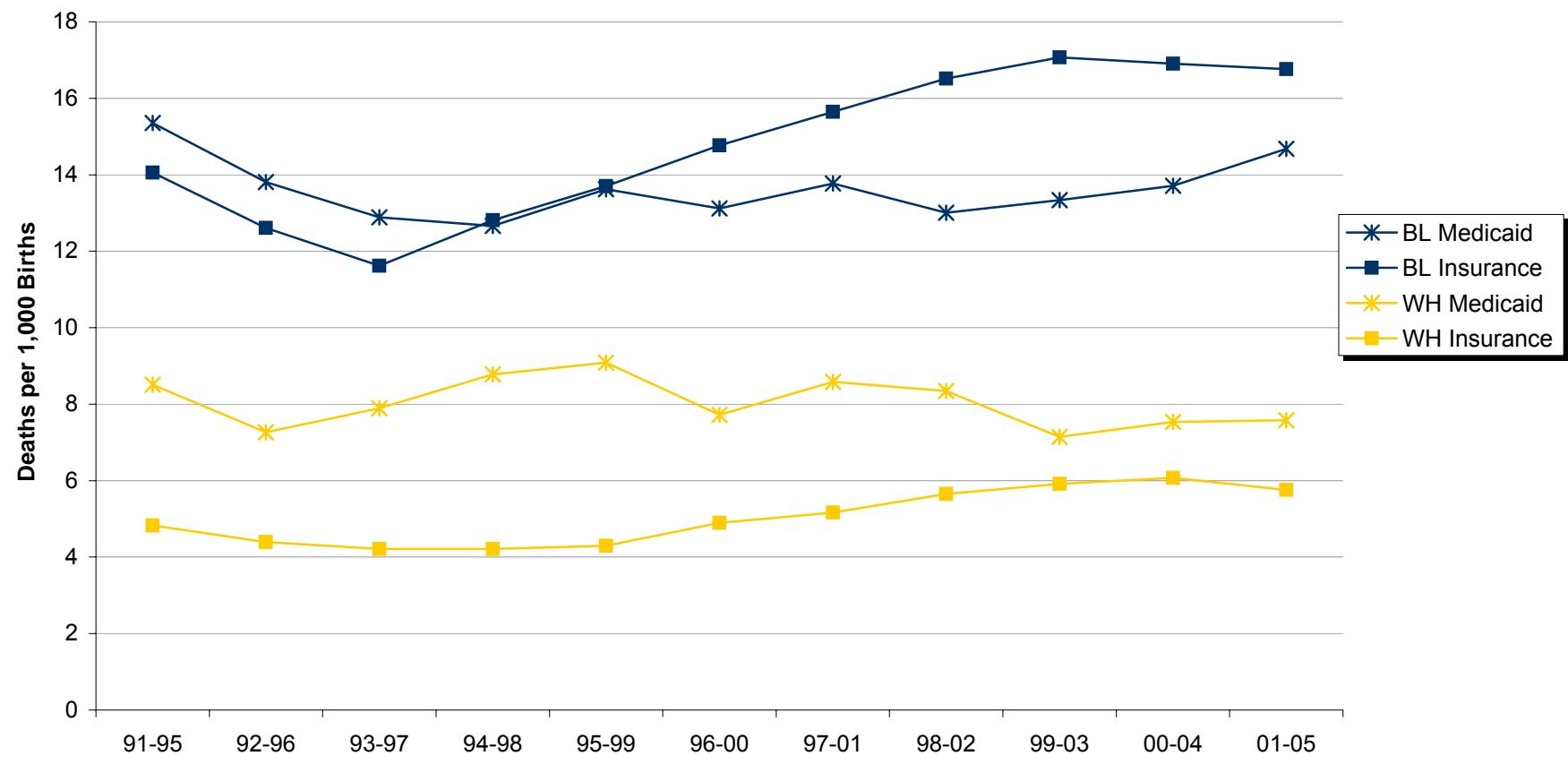


Figure E-8
**Five-year Average Infant Mortality Rates by Race and
 Source of Payment for Delivery**

Delaware, 1991-2005 Live Birth Cohort



Source:
 Delaware Health Statistics Center

TABLE E-11
NUMBER OF INFANT DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER AND SEX OF CHILD
DELAWARE, 2001-2005 LIVE BIRTH COHORT

Plurality/ Birth Weight	Race and Sex											
	All Races			White			Black			Other		
	Both Sexes	Male	Female									
All Births	508	279	229	273	147	126	219	127	92	16	5	11
<2500	392	209	183	205	109	96	176	98	78	11	2	9
<1500	336	182	154	174	93	81	154	88	66	8	1	7
<500	173	97	76	78	47	31	90	50	40	5	0	5
500-999	147	73	74	83	37	46	62	36	26	2	0	2
1000-1499	16	12	4	13	9	4	2	2	0	1	1	0
1500-1999	27	17	10	16	10	6	10	6	4	1	1	0
2000-2499	29	10	19	15	6	9	12	4	8	2	0	2
2500+	116	70	46	68	38	30	43	29	14	5	3	2
2500-2999	33	19	14	24	13	11	6	4	2	3	2	1
3000-3499	47	25	22	21	9	12	24	15	9	2	1	1
3500-3999	22	14	8	14	8	6	8	6	2	0	0	0
4000-4499	10	9	1	6	6	0	4	3	1	0	0	0
4500+	4	3	1	3	2	1	1	1	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Single Births	401	221	180	203	106	97	183	111	72	15	4	11
<2500	286	152	134	136	69	67	140	82	58	10	1	9
<1500	238	130	108	110	57	53	120	72	48	8	1	7
<500	116	69	47	46	30	16	65	39	26	5	0	5
500-999	109	50	59	54	19	35	53	31	22	2	0	2
1000-1499	13	11	2	10	8	2	2	2	0	1	1	0
1500-1999	21	13	8	12	7	5	9	6	3	0	0	0
2000-2499	27	9	18	14	5	9	11	4	7	2	0	2
2500+	115	69	46	67	37	30	43	29	14	5	3	2
2500-2999	32	18	14	23	12	11	6	4	2	3	2	1
3000-3499	47	25	22	21	9	12	24	15	9	2	1	1
3500-3999	22	14	8	14	8	6	8	6	2	0	0	0
4000-4499	10	9	1	6	6	0	4	3	1	0	0	0
4500+	4	3	1	3	2	1	1	1	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Plural Births	107	58	49	70	41	29	36	16	20	1	1	0
<2500	106	57	49	69	40	29	36	16	20	1	1	0
<1500	98	52	46	64	36	28	34	16	18	0	0	0
<500	57	28	29	32	17	15	25	11	14	0	0	0
500-999	38	23	15	29	18	11	9	5	4	0	0	0
1000-1499	3	1	2	3	1	2	0	0	0	0	0	0
1500-1999	6	4	2	4	3	1	1	0	1	1	0	0
2000-2499	2	1	1	1	1	0	1	0	1	0	0	0
2500+	1	1	0	1	1	0	0	0	0	0	0	0
2500-2999	1	1	0	1	1	0	0	0	0	0	0	0
3000-3499	0	0	0	0	0	0	0	0	0	0	0	0
3500-3999	0	0	0	0	0	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0

Note:

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

PLBWRCSX

Source:

Delaware Health Statistics Center

TABLE E-12
NUMBER OF NEONATAL DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER AND SEX OF CHILD
DELAWARE, 2001-2005 LIVE BIRTH COHORT

Plurality/ Birth Weight	Race and Sex											
	All Races			White			Black			Other		
	Both Sexes	Male	Female									
All Births	374	211	163	201	113	88	162	97	65	11	1	10
<2500	333	185	148	180	101	79	144	84	60	9	0	9
<1500	306	167	139	162	88	74	137	79	58	7	0	7
<500	172	97	75	78	47	31	89	50	39	5	0	5
500-999	121	61	60	72	33	39	47	28	19	2	0	2
1000-1499	13	9	4	12	8	4	1	1	0	0	0	0
1500-1999	12	10	2	9	7	2	3	3	0	0	0	0
2000-2499	15	8	7	9	6	3	4	2	2	2	0	2
2500+	41	26	15	21	12	9	18	13	5	2	1	1
2500-2999	15	9	6	9	6	3	4	2	2	2	1	1
3000-3499	15	9	6	6	3	3	9	6	3	0	0	0
3500-3999	6	4	2	4	2	2	2	2	0	0	0	0
4000-4499	3	3	0	1	1	0	2	2	0	0	0	0
4500+	2	1	1	1	0	1	1	1	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Single Births	278	157	121	138	75	63	129	81	48	11	1	10
<2500	238	132	106	118	64	54	111	68	43	9	0	9
<1500	214	117	97	103	54	49	104	63	41	7	0	7
<500	115	69	46	46	30	16	64	39	25	5	0	5
500-999	89	40	49	48	17	31	39	23	16	2	0	2
1000-1499	10	8	2	9	7	2	1	1	0	0	0	0
1500-1999	10	8	2	7	5	2	3	3	0	0	0	0
2000-2499	14	7	7	8	5	3	4	2	2	2	0	2
2500+	40	25	15	20	11	9	18	13	5	2	1	1
2500-2999	14	8	6	8	5	3	4	2	2	2	1	1
3000-3499	15	9	6	6	3	3	9	6	3	0	0	0
3500-3999	6	4	2	4	2	2	2	2	0	0	0	0
4000-4499	3	3	0	1	1	0	2	2	0	0	0	0
4500+	2	1	1	1	0	1	1	1	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0
Plural Births	96	54	42	63	38	25	33	16	17	0	0	0
<2500	95	53	42	62	37	25	33	16	17	0	0	0
<1500	92	50	42	59	34	25	33	16	17	0	0	0
<500	57	28	29	32	17	15	25	11	14	0	0	0
500-999	32	21	11	24	16	8	8	5	3	0	0	0
1000-1499	3	1	2	3	1	2	0	0	0	0	0	0
1500-1999	2	2	0	2	2	0	0	0	0	0	0	0
2000-2499	1	1	0	1	1	0	0	0	0	0	0	0
2500+	1	1	0	1	1	0	0	0	0	0	0	0
2500-2999	1	1	0	1	1	0	0	0	0	0	0	0
3000-3499	0	0	0	0	0	0	0	0	0	0	0	0
3500-3999	0	0	0	0	0	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	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