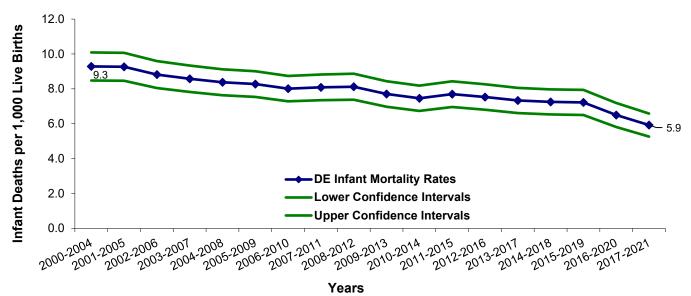
DELAWARE VITAL STATISTICS ANNUAL REPORT INFANT MORTALITY, 2021



Suggested Citation:

Delaware Health Statistics Center. *Delaware Vital Statistics Annual Report,* 2021. Delaware Department of Health and Social Services, Division of Public Health: 2024 In 2017-2021, Delaware's infant mortality rate (IMR) was 5.9 infant deaths per 1,000 live births, resulting in a total decline of 36.2 percent from the 2000-2004 rate of 9.3 infant deaths per 1,000 live births.





Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

Wilmington's IMR continued to be the highest in Delaware at 11.8 infant deaths per 1,000 live births. Kent county's IMR of 6.4 infant deaths per 1,000 live births is the higher than New Castle county's IMR of 6.2 infant deaths per 1,000 live births. In 2017-2021 Sussex County's IMR remained the lowest at 4.7 infant deaths per 1,000 live births. During the same time period the balance of New Castle County's IMR was 5.3 infant deaths per 1,000 live births.

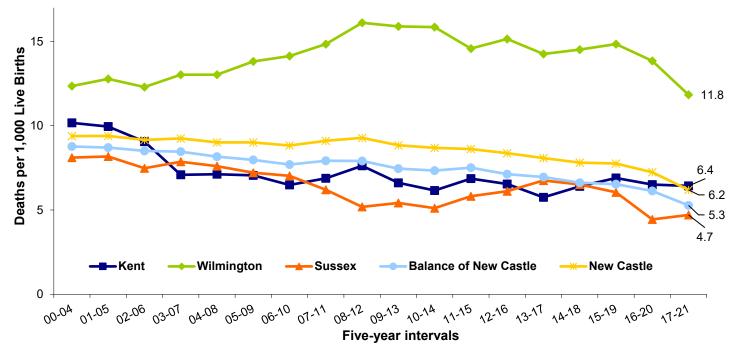
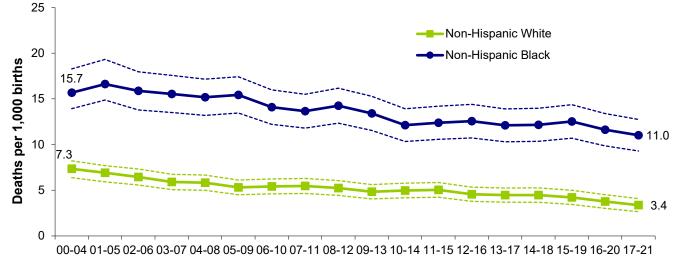


Figure 28. Five-year Average Infant Mortality Rates by County and City of Wilmington, Delaware, 2000-2021

Non-Hispanic black infants experienced a lower percentage decline in mortality rates than non-Hispanic white infants. In 2017-2021 the non-Hispanic black IMR of 11 infant deaths per 1,000 live births was a 30 percent decrease from the 15.7 rate in 2000-2004. Non-Hispanic white IMR decreased 54 percent from 7.3 in 2000-2004 to 3.4 infant deaths per 1,000 live births in 2017-2021.



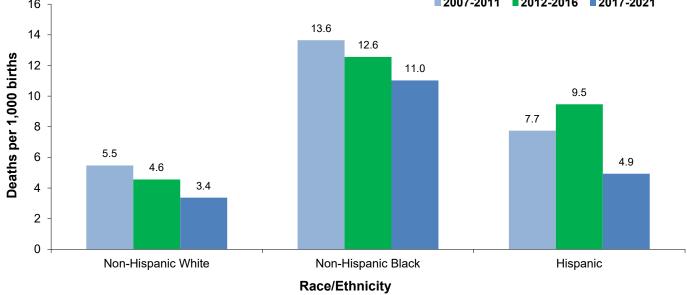


Five-year Interval

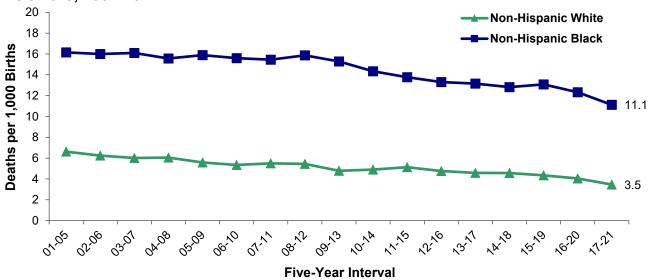
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

Significant disparities existed between non-Hispanic black and non-Hispanic white infant mortality rates as well as Hispanic IMRs. Non-Hispanic black IMRs were highest in all three time periods depicted below with the highest rate of 13.6 infant deaths per 1,000 live births in 2007-2011. Hispanic IMRs were 1.5 times higher than the non-Hispanic white IMRs in 2017-2021. The non-Hispanic black rate in 2017-2021 was more than two times higher than the Hispanic rate of 4.9 infant deaths per 1,000 live births. From 2012-2016 to 2017-2021 the Hispanic IMR decreased 48 percent (9.5 to 4.9 infant deaths per 1,000 live births).



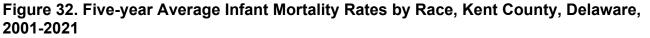


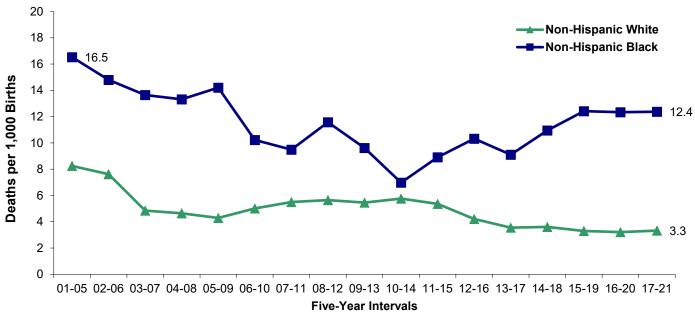
In 2017-2021, Kent County had the highest IMRs and Sussex had the lowest. Non-Hispanic black five-year average IMRs in New Castle County were stable at 16 infant deaths per 1,000 live births from 2001-2005 to 2008-2012, and decreased 31 percent to 11.1 infant deaths per 1,000 live births in 2017-2021. Disparity between the races is evident in all three counties, with the New Castle non-Hispanic black rate three times higher than the non-Hispanic white rate for 2017-2021.





Non-Hispanic black IMRs in Kent County peaked at 16.5 infant deaths per 1,000 live births in 2001-2005. The non-Hispanic black IMR decreased 25 percent to 12.4 infant death per 1,000 live births in 2017-2021. The non-Hispanic white IMR had a 60 percent decrease from 2001-2005 to 2017-2021 (8.2 to 3.3 infant deaths per 1,000 live births). The non-Hispanic Black IMR was nearly four times higher than the non-Hispanic white IMR.



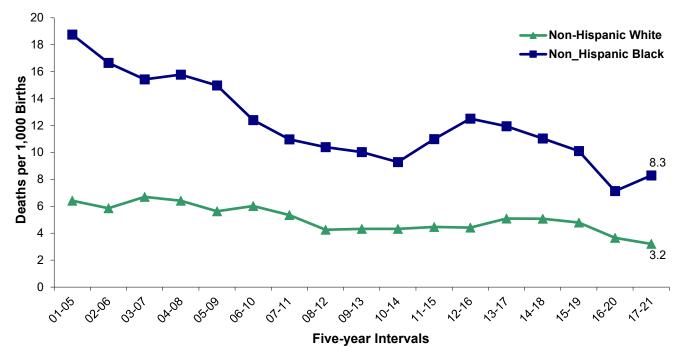


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

INFANT MORTALITY- Leading Causes of Death

Sussex County's non-Hispanic black IMR decreased to 8.3 infant deaths per 1,000 live births in 2017-2021, a 56 percent decrease from the 2001-2005 peak of 18.8 infant deaths per 1,000 live births. Sussex County's non-Hispanic white IMR had a 52 percent decrease from its peak in 2003-2007 to 2017-2021 (6.7 to 3.2 infant deaths per 1,000 live births). Sussex County had the smallest disparity between the races with non-Hispanic black IMRs 2.5 times higher than non-Hispanic white IMRs in 2017-2021.





In 2017-2021 there were 311 infant deaths. The five leading causes of infant death in Delaware were:

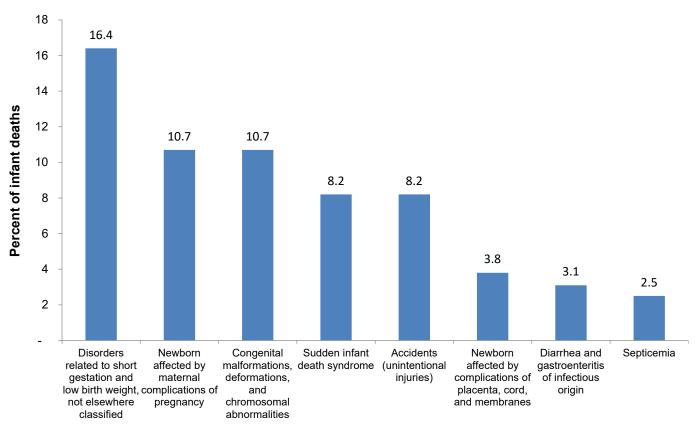
- Disorders related to short gestation and and low birthweight, which accounted for 19.0 percent of infant deaths.
- Congenital anomalies (birth defects), which accounted for 17.4 percent of infant deaths.
- Newborns affected by maternal complications of pregnancy, which accounted for 8.7 percent of infant deaths. Of the 27 deaths attributed to this cause, 21 were due to the newborn being affected by incompetent cervix and premature rupture of membranes
- Sudden infant death syndrome (SIDS), which accounted for 7.1 percent of all infant deaths.
- Accidents (unintentional injuries), which accounted for 5.1 percent of infant deaths.

In sum, the five most common causes of infant death accounted for 57.2 percent, or 178 of the 311 total infant deaths.

The most frequent causes of death by race are shown in Figures 34-36. Birth defects and disorders related to short gestation and low birthweight were the top two most frequent causes of death of non-Hispanic white and Hispanic infants.

Though the proportions of deaths by race were similar for many of the causes of death, notable exceptions were accidents and and birth defects. In 2017-2021, while accidents were responsible for one percent of all non-Hispanic white infant deaths, they accounted for eight percent of non-Hispanic black infant deaths. In 2017-2021, infant deaths due to birth defects also accounted for larger percentages of non-Hispanic black infant deaths (25 percent) than non-Hispanic white infant deaths (11 percent).





Causes of Death

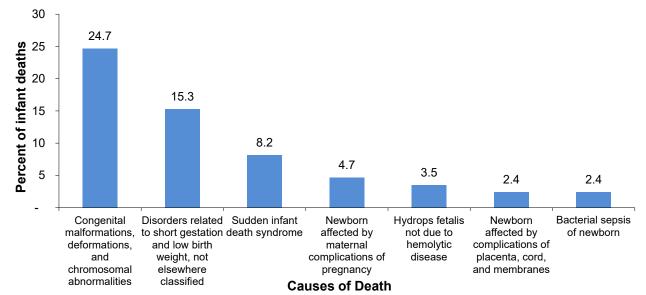


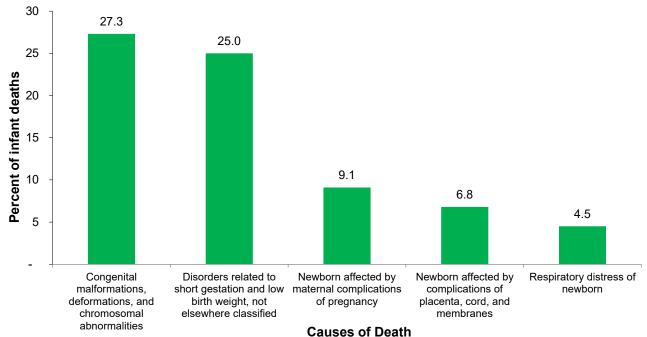
Figure 35. Percentage of the Most Frequent Causes of Non- Hispanic White Infant Deaths, Delaware 2017-2021

Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

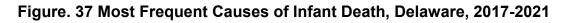
In 1989-1993, Hispanic births accounted for 3.6 percent of all live births and 3.4 percent of infant deaths; since that time, the proportion of births to Hispanic mothers has more than quadrupled. In the most recent five-year period, 2017-2021, 17.0 percent of all live births were to Hispanic mothers, and 14.1 percent of all infant deaths were of Hispanic origin.

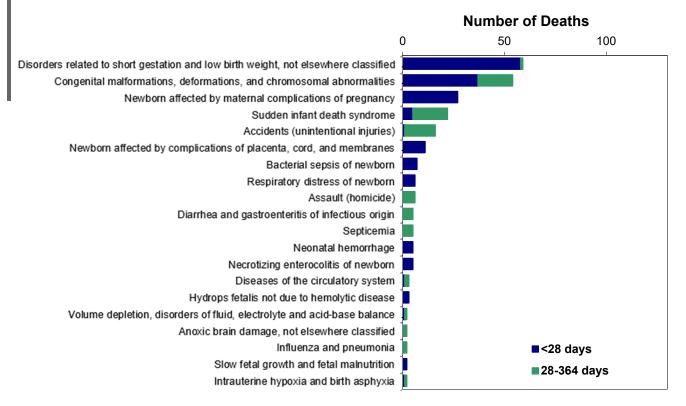
Two causes of death accounted for the greatest number of Hispanic infant deaths: birth defects and disorders related to prematurity and low birthweight.

Figure 36. Percentage of the Most Frequent Causes of Hispanic Infant Death, Delaware, 2017-2021



In 2017-2021, approximately 91.3 percent of all infant deaths occurred within the first six months of life, 66 percent occurred within the first 28 days of life, and 39 percent occurred within 24 hours of birth.



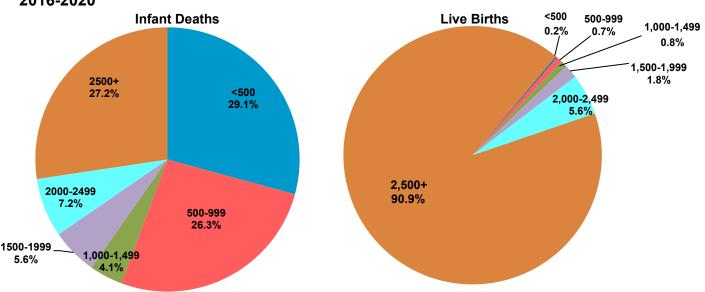


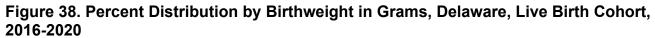
Source: Delaware Department of Health and Social Services, Division of ublic Health, Delaware Health Statistics Center

Figure 37 displays deaths by specific cause and the infant's age classification at death: neonatal (<28 days), or postneonatal (28-364 days).

- Prematurity and low birthweight accounted for the greatest number of infant deaths in 2017-2021; 98 percent of these deaths occurred in the neonatal period.
- The majority of sudden infant death syndrome (SIDS) deaths occurred in the postneonatal period, with a mean age at death of 88 days. SIDS deaths decreased 24 percent from 2012-2016 to 2017-2021 (29 to 22 SIDS deaths). The number of infant deaths in 2017-2021 (311) decreased 25 percent from the number of infant deaths in 2012-2016 (413).
- Twenty seven percent (6 out of 22) of the SIDS deaths were associated with co-sleeping and/or sleeping on soft surfaces, such as couches and adult beds.
- In 2017-2021, there were 14 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, six percent of all infant deaths were associated with co-sleeping and/or unsafe sleep practices.

Although only 1 percent of all live births in 2016-2020 were infants weighing less than 1,000 grams, they accounted for over half (55 percent) of all infant deaths. In total, nine percent of all live births in 2016-2020 were infants of low birthweight (under 2,500 grams) and 72 percent of infant deaths were low birthweight.





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 2016-2020 were less than 28 weeks gestation at birth, but they accounted for 54.1 percent of all infant deaths. In total, 12.7 percent of all live births in 2016-2020 were born preterm (<37 weeks of gestation) and 70.7 percent of infant deaths were preterm.

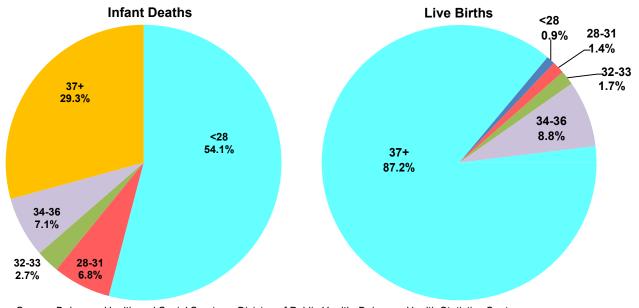


Figure 39. Distribution by Gestation in Weeks, Delaware, Live Birth Cohort, 2016-2020

 Source: Delaware Health and Social Services, Division of Public Health, Delaware Health Statistics Center

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 Division of Public Health, Delaware Health Statistics Center
 May 2024

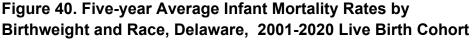
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

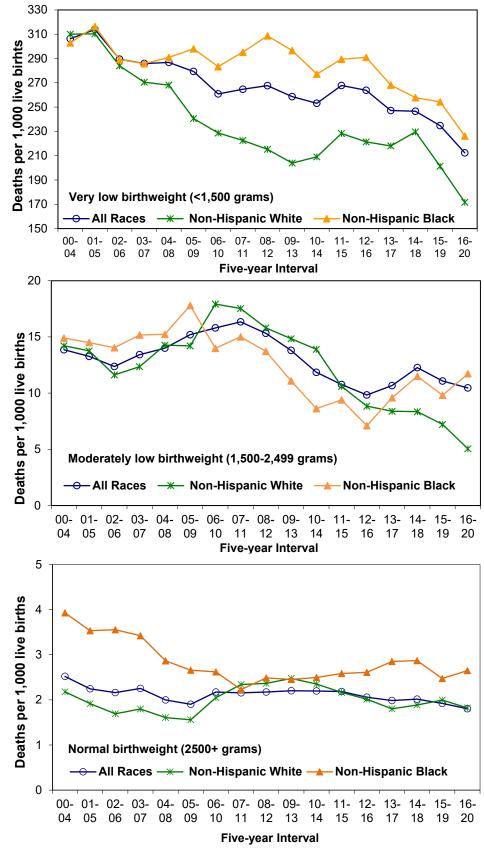
Birthweight and gestation are considered to be the most important predictors of infant health and mortality risk. Infants born too small or too early have a much greater risk of mortality than those who reach a normal birthweight (2,500+ grams) or full-term gestation (37+ weeks).

Although the IMRs decreased for both non-Hispanic white and non-Hispanic black for very low birthweight (VLBW) (<1,500 grams) since 2001-2005, the non-Hispanic black IMR of 226.2 was significantly higher than the non-Hispanic white IMR of 171.6 infant deaths per 1,000 live births in 2016-2020.

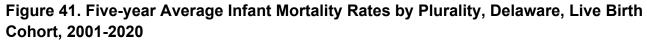
IMRs for moderately low birthweight infants of all races decreased 36 percent from its high point in 2007-2011 to 2016-2020. During that time, non-Hispanic white IMRs decreased 71 percent while the non-Hispanic black IMR decreased by 22 percent, making the non-Hispanic black IMR higher than the non-Hispanic white IMR (11.7 vs 5.1).

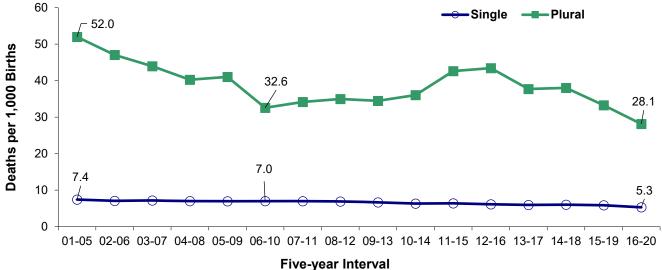
In 2007-2011 IMRs for normal birthweight non-Hispanic white and non-Hispanic black infants were nearly the same at 2.3 and 2.2, respectively. By 2016-2020, the non-Hispanic white IMR decreased 22 percent to 1.8 but the non-Hispanic black IMR increased 18 percent to 2.6 infant deaths per 1,000 live births.The IMR for all races had a 18 percent decrease for the same time period.





From 2001-2005 to 2006-2010, IMRs for plural births decreased 37 percent, from 52 to 33 infant deaths per 1,000 live births. Since 2006-2010, IMRs for plural births decreased 14 percent from 32.6 to 28.1 infant deaths per 1,000 live births. IMRs for singleton births decreased 28 percent from 2001-2005 to 2016-2020. In 2016-2020, the infant mortality rate for plural births was five times that of singleton births (28.1 versus 5.3 infant deaths per 1,000 live births, respectively).





Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

The difference between singleton and plural IMRs was evident regardless of race. The non-Hispanic black IMR was more than twice the non-Hispanic white IMR for singleton births and nearly three times greater for plural births.

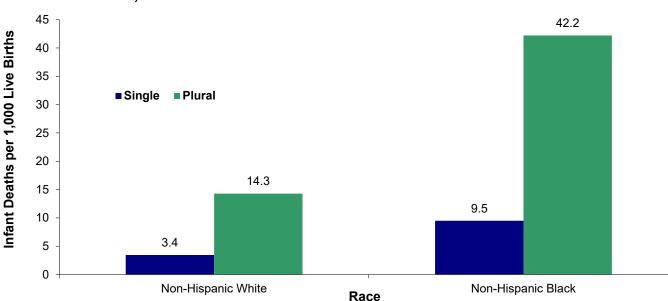


Figure 42. Five-year Average Infant Mortality Rates by Plurality and Race, Delaware, Live Birth Cohort, 2016-2020

					\mathbf{AOE}, \mathbf{O}						<u>,</u>			2021				
Area/																		
Race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
U.S. All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	27,860 13,001 7,869 1,334	28,384 13,134 7,958 1,380	28,509 12,884 8,241 1,368	29,153 13,005 8,351 1,516	28,075 12,509 7,894 1,452	26,408 11,785 7,560 1,397	24,572 11,192 6,758 1,324	24,001 10,886 6,670 1,338	23,654 10,759 6,528 1,363	23,446 10,766 6,488 1,280	10,515 6,435	23,458 10,444 6,624 1,401	23,157 10,204 6,545 1,380	22,341 9,520 6,390 1,402	21,498 9,059 5,933 2,203	20,927 8,603 5,821 2,041	N/A N/A N/A N/A	N/A N/A N/A N/A
Delaware All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	97 43 44 2	106 36 53 3	99 39 44 4	91 33 38 1	101 37 49 0	91 24 52 7	88 38 35 4	98 39 38 10	84 24 43 6	68 22 33 1	74 27 29 6	100 38 38 6	87 23 39 8	72 18 37 3	62 19 33 2	68 16 35 7	56 22 24 5	53 10 30 6
Kent All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	17 8 8 1	21 6 14 1	13 7 5 1	9 4 4 1	18 7 7 0	18 6 12 0	15 11 3 0	17 10 3 1	17 5 10 0	6 5 1 0	13 8 4 0	23 8 9 1	14 2 8 1	8 0 7 0	13 5 7 1	17 5 9 2	18 7 9 2	12 2 8 2
New Castle All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	60 25 27 0	68 23 30 2	68 22 35 2	60 19 27 0	70 25 36 0	57 13 33 5	58 17 29 3	74 24 34 9	58 16 28 6	48 12 27 1	49 14 20 6	54 19 23 4	62 16 27 7	48 11 26 3	37 9 23 0	44 8 23 5	34 12 15 3	27 6 16 3
Wilmington All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	12 1 8 0	18 1 14 0	16 1 14 0	17 1 14 0	19 2 10 0	18 0 15 2	18 1 13 0	17 2 15 0	20 4 11 1	14 0 11 0	14 3 7 1	10 2 4 1	18 0 14 2	15 1 10 2	13 1 12 0	13 2 7 0	3 0 3 0	7 0 6 0
Balance of NC County All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	48 24 19 0	50 22 16 2	52 21 21 2	43 18 13 0	51 23 26 0	39 13 18 3	40 16 16 3	57 22 19 9	38 12 17 5	34 12 16 1	35 11 13 5	44 17 19 3	44 16 13 5	33 10 16 1	24 8 11 0	31 6 16 5	31 12 12 3	20 6 10 3
Sussex All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	20 10 9 1	17 7 9 0	18 10 4 1	22 10 7 0	13 5 6 0	16 5 7 2	15 10 3 1	7 5 1 0	9 3 5 0	14 5 5 0	12 5 5 0	23 11 6 1	11 5 4 0	16 7 4 0	12 5 3 1	7 3 3 0	4 3 0 0	14 2 6 1

TABLE E-1. NUMBER OF INFANT DEATHS BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE, 2004-2021

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

TABLE E-2. NUMBER OF NEONATAL DEATHS BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE, 2004-2021

Area/									0040	0010		0015		aa (=	0040	0010		
Race	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
U.S. All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	18,602 8,499 5,283 851	18,782 8,452 5,332 895	19,041 8,410 5,525 885	5,484	18,238 7,936 5,159 916	17,261 7,515 4,957 909	16,193 7,251 4,395 867	16,065 7,103 4,437 893	15,887 7,070 4,354 912	15893* 7119* 4355* 869*	15,737 6,923 4,361 869	15,672 6,724 4,348 937	15,303 6,486 4,323 925	14,844 6,191 4,150 924	14,329 5,873 3,897 1,523	5,589 3,754	N/A N/A N/A N/A	N/A N/A N/A N/A
Delaware All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	63 28 28 2	79 25 39 3	72 28 33 3		68 23 35 0	66 15 39 7	58 24 25 4	73 24 35 7	66 16 34 6	47 12 25 1	55 18 20 5	79 32 31 3	57 10 27 7	48 14 22 3	43 12 23 2	46 12 20 4	36 14 14 5	31 6 16 3
Kent All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	11 5 5 1	14 3 10 1	7 4 3 0	6 3 3 0	12 4 5 0	14 4 10 0	11 8 2 0		12 3 8 0	3 3 0 0	10 7 2 0	17 7 6 0	9 1 5 1	5 0 5 0	9 3 5 1	15 4 8 2	10 4 2	7 1 5 1
New Castle All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	39 16 18 0	54 17 23 2	52 15 28 2	14 20	48 16 27 0	42 9 23 5	36 8 22 3	16 32	47 12 21 6	34 6 22 1	37 7 16 5	49 17 23 3	43 7 20 6	36 11 16 3	6	28 7 11 2	24 8 10 3	
Wilmington All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	9 1 0	15 1 11 0	12 0 11 0	10 1 9 0	10 0 6 0	14 0 11 2	10 0 9 0	1	18 4 9 1	11 0 8 0	12 3 5 1	10 2 4 1	15 0 11 2	9 1 5 2	9 1 8 0	6 2 2 0	2 0 2 0	2 0 1 0
Balance of NC County All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	30 15 12 0	39 16 12 2	40 15 17 2	13 11	38 16 21 0	28 9 12 3	26 8 13 3	43 15 19 6	29 8 12 5	23 6 14 1	25 4 11 4	39 15 19 2		27 10 11 1	18 5 9 0		22 8 8 3	13 3 7 2
Sussex All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	13 7 5 1	11 5 6 0	13 9 2 1		8 3 0	10 2 6 2	11 8 1 1	3 2 0 0	7 1 5 0	10 3 3 0	8 4 2 0	13 8 2 0	5 2 2 0	7 3 1 0	7 3 1 1	3 1 1 0	2 2 0 0	9 2 3 0

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 Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

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Area/ Race	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
U.S. All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	9,602 4,682 2,626 485	9,468 4,474 2,716 483	10,059 4,676 2,867 534	9,837 4,573 2,735 536	9,147 4,270 2,603 488	8,379 3,941 2,363 457	7,936 3,783 2,233 445	7,767 3,689 2,174 451	7,553* 3,647* 2,133* 411*	7,474 3,592 2,074 404	7,786 3,720 2,276 464	7,854 3,718	7,497 3,329 2,240 478	7,169 3,186 2,037 679	7,093 3,014 2,067 641	N/A	N/A N/A N/A N/A
Delaware All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	27 11 14 0	27 11 11 1	26 8 10 1	33 14 14 0	25 9 13 0	30 14 10 0	25 15 3 3	18 8 9 0	21 10 8 0	19 9 9 1	21 6 7 3	30 13 12 1	24 4 15 0	19 7 10 0	22 4 15 3	20 8 10 0	22 4 14 3
Kent All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	7 3 4 0	6 3 2 1	3 1 1 1	6 3 2 0	4 2 2 0	4 3 1 0	4 4 0 0	5 2 2 0	3 2 1 0	3 1 2 0	6 1 3 1	5 1 3 0	3 0 2 0	4 2 2 0	2 1 1 0	8 3 5 0	5 1 3 1
New Castle All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	14 6 7 0	16 7 7 0	17 5 7 0	22 9 9 0	15 4 10 0	22 9 7 0	17 8 2 3	11 4 7 0	14 6 5 0	12 7 4 1	5 2 0 1	19 9 7 1	12 0 10 0	10 3 6 0	16 1 12 3	10 4 5 0	12 3 8 1
Wilmington All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	3 0 3 0	4 1 3 0	7 0 5 0	9 2 4 0	4 0 4 0	8 1 4 0	3 1 2 0	2 0 2 0	3 0 3 0	2 0 2 0	0 0 0 0	3 0 3 0	6 0 5 0	4 0 4 0	7 0 5 0	1 0 1 0	5 0 5 0
Balance of NC County All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	11 6 4 0	12 6 4 0	10 5 2 0	13 7 5 0	11 4 6 0	14 8 3 0	14 7 0 3	9 4 5 0	11 6 2 0	10 7 2 1	5 2 0 1	16 9 4 1	6 0 5 0	6 3 2 0	9 1 7 1	9 4 4 0	7 3 3 1
Sussex All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Other	6 2 3 0	5 1 2 0	6 2 2 0	5 2 3 0	6 3 1 0	4 2 2 0	4 3 1 0	2 2 0 0	4 2 2 0	4 1 3 0	10 3 4 1	6 3 2 0	9 4 3 0	5 2 2 0	4 2 2 0	2 1 0 0	5 0 3 1

TABLE E-3. NUMBER OF POSTNEONATAL DEATHS BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE 2004-2021

Notes:

*Based on NCHS estimate.

2. Postneonatal deaths refer to deaths of children 28 to 364 days of age.

Sources: National Center for Health Statistics, Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

2021														
Area/	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Race	-2008	-2009	-2010	-2011	-2012	-2013	-2014	-2015	-2016	-2017	-2018	-2019	-2020	-2021
U.S.														
All Races	6.7	6.7	6.5	6.4	6.2	6.1	6.0	5.9	5.9	5.9	5.8	5.8	N/A	N/A
Non-Hispanic White	5.6	5.6	5.4	5.3	5.2	5.1	5.0	5.0	5.0	4.9	4.8	4.7	N/A	N/A
Non-Hispanic Black	13.3	13.1	12.7	12.3	11.8	11.5	11.2	11.2	11.1	11.1	10.9	10.8	N/A	N/A
Delaware														
All Races	8.4+	8.3+	8.0+	8.1+	8.1+	7.7+	7.5+	7.7+	7.5+	7.3+	7.3+	7.2+	6.5	5.9
Non-Hispanic White	5.8	5.3	5.4	5.5	5.2	4.8	5	5	4.6	4.5	4.5	4.2	3.8	3.4
Non-Hispanic Black	15.2	15.4+	14.1	13.6	14.3+	13.4	12.1	12.4	12.6	12.1	12.2	12.5	11.6	11
Kent														
All Races	7.1	7.1	6.5	6.9	7.6	6.6	6.2	6.9	6.5	5.8	6.4	6.9	6.5	6.4
Non-Hispanic White	4.6	4.3	5.0	5.5	5.6	5.5	5.8	5.4	4.2	3.6	3.6	3.3		
Non-Hispanic Black	13.3	14.2	10.2	9.5	11.6	9.6	7.0	8.9	10.3	9.1	11.0	12.4	12.3	12.4
New Castle														
All Races	9.0	9.0	8.8	9.1	9.3	8.8	8.7	8.6	8.4	8.1	7.8	7.8	7.2	6.2
Non-Hispanic White	6.1	5.6	5.3	5.5	5.4	4.8	4.9	5.1	4.8	4.6	4.6	4.3	4.1	3.5
Non-Hispanic Black	15.6	15.9	15.6	15.5	15.9	15.3	14.3	13.8	13.3	13.2	12.8	13.1	12.3	11.1
Wilmington														
All Races	13.0	13.8	14.1	14.8	16.1	15.9	15.8	14.6	15.1	14.3	14.5	14.8	13.8	11.8
Non-Hispanic White														
Non-Hispanic Black	15.7	17.1	17.4	18.5	18.7	20.2	19.2	16.3	16.4	16.3	16.9	17.1	17.2	14.9
Balance of														
NC County														
All Races	8.2	8.0	7.7	7.9	7.9	7.5	7.3	7.5	7.1	7.0	6.6	6.5	6.1	5.3
Non-Hispanic White	6.1	5.7	5.5	5.6	5.4	4.8	4.7	4.9	4.6	4.6	4.4	4.2	4.0	3.4
Non-Hispanic Black	15.5	15.1	14.5	13.8	14.4	12.9	12.2	12.6	11.9	11.8	11.1	11.4	10.3	9.7
Sussex														
All Races	7.6	7.2	7.0	6.2	5.2	5.4	5.1	5.8	6.1	6.7	6.5	6.0	4.4	4.7
Non-Hispanic White	6.4	5.6	6.0	5.4	4.3	4.3	4.3	4.5	4.4	5.1	5.1	4.8	3.7	3.2
Non-Hispanic Black	15.8	15.0	12.4	11.0	10.4	10.0		11.0	12.5	11.9	11.0	10.1		

TABLE E- 4. FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE 2004-2024

Notes:

2010-2014 U.S. data are based on NCHS estimates.
 Infant mortality rates represent the number of deaths of children under one year of age per 1000 live births.
 '+' 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,

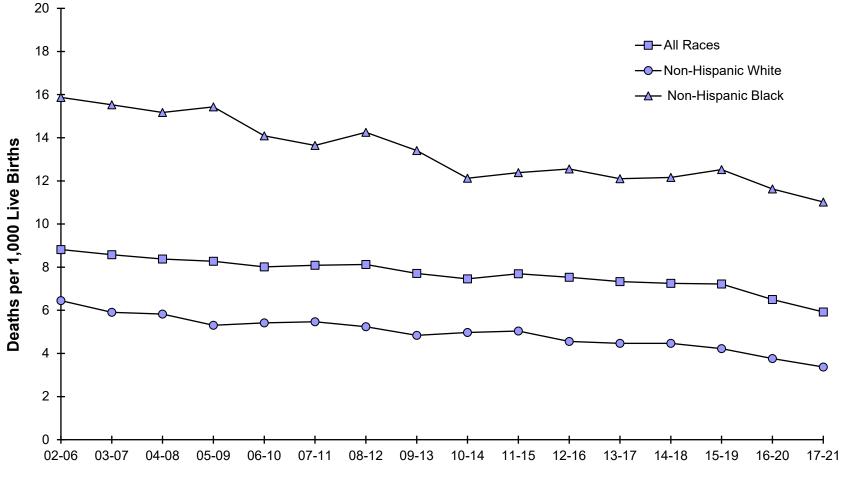
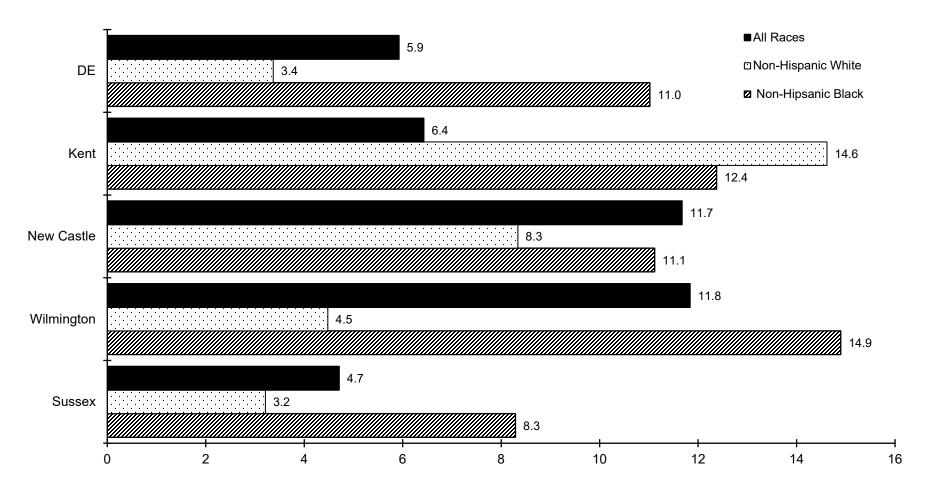


Figure E-1. Five-Year Average Infant Mortality Rates by Race, Delaware, 2004-2021

Five-Year Intervals

Figure E-2. Five-Year Average Infant Mortality Rates by Race, Delaware, Counties and the City of Wilmington, 2017-2021



Deaths per 1,000 Live Births

2004-2021														
Area/	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Race	-2008	-2009	-2010	-2011	-2012	-2013	-2014	-2015	-2016	-2017	-2018	-2019	-2020	-2021
U.S.														
All Races	4.4	4.4	4.3	4.2	4.1	4.1	4.0	4.0	4.0	3.9	3.9	3.8	N/A	N/A
Non-Hispanic White	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	3.1	3.0	N/A	N/A
Non-Hispanic Black	8.8	8.6	8.3	8.1	7.8	7.6	7.5	7.5	7.4	7.3	7.2	7.1	N/A	N/A
Delaware														
All Races	5.9+	5.9+	5.6+	5.7+	5.8+	5.6+	5.4+	5.8+	5.5+	5.2+	5.2+	5.1+	4.3	3.9
Non-Hispanic White	4	3.6	3.6	3.5	3.3	3	3.1	3.4	3	3	3.1	3	2.4	2.3
Non-Hispanic Black	10.8+	11.4+	10.3+	10.4+	11.0+	10.5+	9.5+	9.9+	9.5+	8.6	8.5	8.5	7.3	6.6
Kent														
All Races	4.6	4.7	4.4	5.0	5.6	4.8	4.4	5.0	4.6	4.0	4.5	5.1	4.5	4.3
Non-Hispanic White			3.3	3.6	3.6	3.5	4.0	3.9	3.2					
Non-Hispanic Black	9.1	10.5	7.6	7.5	9.3	7.6			6.8		7.2	9.0	8.3	8.4
New Castle														
All Races	6.5	6.7	6.2	6.4	6.7	6.5	6.4	6.8	6.5	6.2	6.0	5.8	5.1	4.2
Non-Hispanic White	4.1	3.9	3.5	3.5	3.5	3.0	2.9	3.5	3.0	3.1	3.2	3.3	2.8	2.6
Non-Hispanic Black	11.7	11.9	11.7	12.1	12.4	12.1	11.7	11.9	10.9	10.4	9.9	9.3	8.0	6.7
Wilmington														
All Races	8.9	9.6	9.0	9.7	11.6	12.2	12.4	12.6	13.2	11.4	11.4	10.5	9.2	6.5
Non-Hispanic White														
Non-Hispanic Black	11.2	12.3	12.1	13.2	14.0	15.6	14.8	13.3	12.9	11.7	11.9	10.9	10.5	
Balance of														
NC County														
All Races	6.0	6.0	5.6	5.8	5.8	5.3	5.3	5.7	5.3	5.2	5.0	5.0	4.4	3.9
Non-Hispanic White	4.3	4.1	3.7	3.7	3.5	2.9	2.6	3.2	2.7	2.9	2.9	3.1	2.7	2.5
Non-Hispanic Black	11.9	11.7	11.4	11.4	11.6	10.5	10.4	11.3	9.9	9.8	9.1	8.7	7.0	6.6
Sussex														
All Races	5.2	4.9	4.9	4.1	3.4	3.6	3.5	3.7	3.8	3.8	3.5	3.1	2.1	2.5
Non-Hispanic White	4.9	4.1	4.5	3.5						3.1	3.1			
Non-Hispanic Black	9.5	10.0												

TABLE E-5. FIVE-YEAR AVERAGE NEONATAL MORTALITY RATES BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE 2004-2021

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.

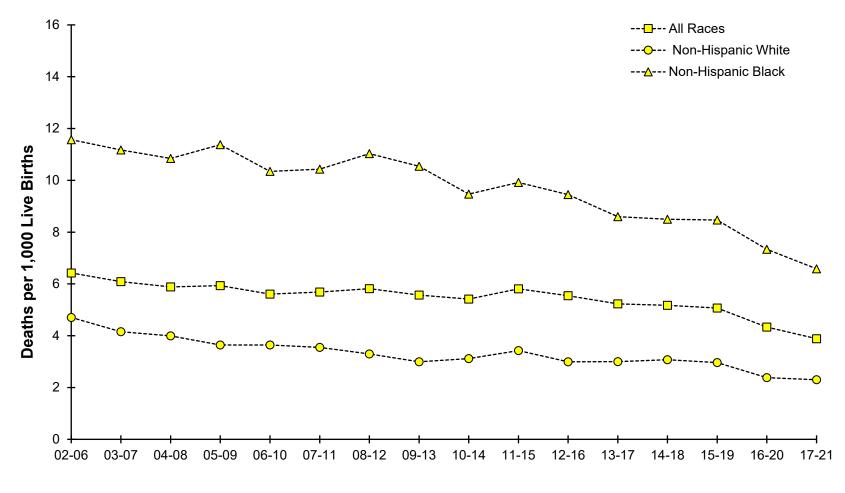
3. '+' indicates that the Delaware rate is significantly higher than the U.S. rate.

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





Five-Year Intervals

Area/	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Race	-2008	-2009	-2010	-2011	-2012	-2013	-2014	-2015	-2016	-2017	-2018	-2019	-2020	-2021
U.S. All Races	2.3 2.0	2.3 2.0	2.2 1.9	2.2 1.9	2.1 1.9	2.0 1.8	2.0 1.7	1.9 1.7	1.9 1.7	1.9 1.7	1.9 1.7	1.9 1.7	N/A N/A	N/A N/A
Non-Hispanic White Non-Hispanic Black	2.0 4.5	2.0 4.4	1.9 4.3	1.9 4.2	1.9 4.1	1.8 3.9	1.7 3.7	1.7 3.7	1.7 3.7	1.7 3.7	1.7 3.7	1.7 3.8	N/A N/A	N/A N/A
Delaware														
All Races White Non-Hispanic Black Non-Hispanic	2.5 1.8 4.3	1.7	2.4 1.8 3.7	2.4 1.9 3.2-	2.3 1.9 3.2	2.1 1.8 2.9-	2 1.9 2.7-	1.9 1.6 2.5-	2 1.6 3.1	2.1 1.5 3.5	2.1 1.4 3.7	2.2 1.3 4.1	2.2 1.4 4.3	2 1.1 4.4
Kent All Races Non-Hispanic White	2.6	2.3	2.0	1.9 	2.1	1.8 		1.9 	2.0	1.8 	1.9 	1.8 	2.0	2.1
Non-Hispanic Black														
New Castle All Races Non-Hispanic White Non-Hispanic Black	2.5 1.9 3.9	2.3 1.7 3.9	2.6 1.9 3.9	2.7 2.0 3.4	2.5 2.0 3.5	2.4 1.8 3.1	2.3 2.0 2.6	1.8 1.6 	1.9 1.7 2.4	1.9 1.5 2.8	1.8 1.4 2.9	2.0 3.8	2.2 4.3	2.0 4.4
Wilmington All Races Non-Hispanic White Non-Hispanic Black	4.1 	4.2	5.1 5.3	5.2 	4.6 	3.7 	 					4.3 	4.7 	5.3 7.8
Balance of NC County All Races Non-Hispanic White Non-Hispanic Black	2.1 1.9 3.6	1.9 1.6 3.4	2.1 1.8 3.1	2.1 1.9 	2.1 1.9 	2.1 1.8 	2.1 2.1 	1.8 1.7 	1.9 1.9 	1.8 1.7 	1.6 1.5 	1.6 	1.7 3.3	1.4 3.1
Sussex All Races Non-Hispanic White Non-Hispanic Black	2.4 	2.3 	2.2 	2.1 	1.8 	1.8 	 	2.1 	2.3 	2.9 	3.0 	3.0 	2.3 	2.2

TABLE E-6. FIVE-YEAR AVERAGE POSTNEONATAL MORTALITY RATES BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE, 2004-2021

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. $\, ^{\prime -\prime}$ 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

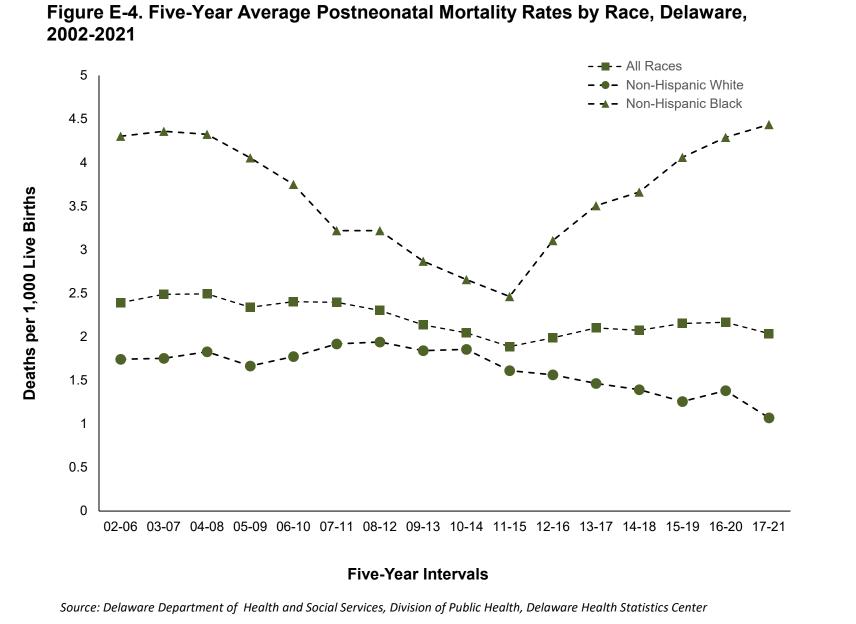


TABLE E-7. FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY SELECTED RISKMARKERS AND RACE OF MOTHER, DELAWARE, 2016-2020 LIVE BIRTH COHORT

Risk		Non-Hi	spanic
Factor	All	White	Black
Birth Weight			
of Child			
<2500	48.0	29.2	60.4
<1500	212.3	171.6	226.2
1500-2499	10.5		
2500+	1.8	1.8	2.6
Age of Mother			
<20	6.7		
20-24	7.8	5.3	12.7
25-29	6.0	3.3	9.0
30+	5.3	3.5	10.7
Marital Status of Mother Married Single	4.3 8.0	3.1 5.1	9.2 11.4
Education of Mother <12 years H.S. diploma	7.6 8.4	5.4 5.9	12.4 13.0
1+ years college	4.1	2.7	7.8
Interval Since			
Last Live Birth			
<18 months	9.9		
18+ months	4.8	3.7	8.2

Notes:

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

Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

TABLE E-8. LE	ADING CAUSES OF INFANT DE	ATH BY GESTATIONAL	AGE CATEGORY, DE	LAWARE, 2016-2020 LIVE BIRTH
COHORT				

		Gestatio	nal Age Ca	tegory			
Leading causes of death	Very preterm	Moderately preterm	Term	Unknown	Total	% Born Very Preterm	% Born Preterm
Disorders related to short gestation and low birth weight, not elsewhere classified	71	0	1	0	72	98.6	98.6
Congenital malformations, deformations, and chromosomal abnormalities	19	11	22	0	52	36.5	57.7
Newborn affected by maternal complications of pregnancy	25	1	0	0	26	96.2	100.0
Sudden infant death syndrome	1	2	19	0	22	4.5	13.6
Accidents (unintentional injuries)	0	1	11	0	12	0.0	8.3
Newborn affected by complications of placenta, cord, and membranes	9	0	0	0	9	100.0	100.0
Bacterial sepsis of newborn	7	2	0	0	9	77.8	100.0
Respiratory distress of newborn	8	0	0	0	8	100.0	100.0
Septicemia	5	0	1	0	6	83.3	83.3
Diseases of the circulatory system	0	2	4	0	6	0.0	33.3
Diarrhea and gastroenteritis of infectious origin	5	0	0	0	5	100.0	100.0
Necrotizing enterocolitis of newborn	3	1	1	0	5	60.0	80.0
Neonatal hemorrhage	3	1	0	0	4	75.0	100.0
Assault (homicide)	0	2	2	0	4	0.0	50.0
Volume depletion, disorders of fluid, electrolyte and acid-base balance	2	0	1	0	3	66.7	66.7
Intrauterine hypoxia and birth asphyxia	2	0	1	0	3	66.7	66.7
Hematological disorders	2	0	1	0	3	66.7	66.7
Slow fetal growth and fetal malnutrition	2	0	0	0	2	100.0	100.0
Interstitial emphysema and related conditions originating in the perinatal period	1	0	1	0	2	50.0	50.0
Diseases of the blood and blood-forming organs and certain disorders involving the imr	1	0	0	0	1	100.0	100.0
All other causes	25	10	31	0	66	37.9	53.0
TOTAL	191	33	96	0	320	59.7	70.0

Notes:

Leading causes of infant death are categorized using NCHS rankable causes of infant death, specific ICD-10 codes are shown in Appendix D.
 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.

TABLE E-9. FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE AND SELECTED RISK MARKERS, DELAWARE LIVE BIRTH COHORT, 2004-2020

Parameter/	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Race	-2008	-2009	-2010	-2011	-2012	-2013	-2014	-2015	-2016	-2017	-2018	-2019	-2020
				BIRTHW	EIGHT								
2500+ All Races Non-Hispanic White Non-Hispanic Black	2.0 1.6 2.9	1.9 1.6 2.7	2.2 2.0 2.6	2.2 2.3 2.2	2.2 2.4 2.5	2.2 2.5 2.5	2.2 2.4 2.5	2.2 2.2 2.6	2.1 2.0 2.6	2.0 1.8 2.9	2.0 1.9 2.9	1.9 2.0 2.5	1.8 1.8 2.6
<2500 All Races Non-Hispanic White Non-Hispanic Black	69.2 59.8 84.2	70.6 55.5 90.1	65.5 54.5 82.1	67.1 52.3 86.5	68.2 51.1 88.9	64.6 46.9 83.3	61.7 47.1 76.3	64.6 49.4 79.6	62.2 48.1 74.7	58.2 44.2 71.0	57.7 43.6 69.0	54.2 37.5 66.7	48.0 29.2 60.4
<1500 All Races Non-Hispanic White Non-Hispanic Black	286.8 268.1 290.9	279.3 240.6 298.0	260.8 228.6 283.3	264.7 222.5 295.2	267.6 215.2 308.6	258.6 203.9 296.5	253.1 209.0 277.2	267.7 228.3 289.4	263.8 221.4 290.9	247.2 218.0 268.1	246.5 229.6 257.8	234.7 201.3 254.3	212.3 171.6 226.2
				GESTA	TION								
37+ weeks All Races Non-Hispanic White Non-Hispanic Black	2.0 1.8 2.8	2.0 1.7 2.6	2.4 2.3 2.7	2.6 2.7 2.6	2.6 2.7 2.7	2.5 2.7 2.7	2.6 2.8 2.9	2.5 2.3 3.1	2.2 2.0 3.0	2.2 1.7 3.4	2.3 1.8 3.6	2.1 1.8 3.2	2.1 1.8 3.4
< 37 weeks All Races Non-Hispanic White Non-Hispanic Black	47.0 36.8 68.5	47.3 35.0 71.5	43.6 34.2 64.4	44.3 33.0 66.8	45.5 32.3 69.6	44.0 31.2 65.6	41.5 28.9 60.1	44.8 32.8 63.0	43.3 33.0 58.5	40.4 30.4 55.6	39.9 30.1 54.2	38.3 27.5 52.8	33.1 20.3 47.1
<32 weeks All Races Non-Hispanic White Non-Hispanic Black	220.4 191.1 254.0	216.9 178.3 258.1	195.0 160.1 236.5	195.7 154.9 241.2	198.7 146.2 249.6	190.8 137.7 235.5	178.9 130.1 216.0	189.6 144.2 226.1	186.9 144.6 225.0	177.0 141.8 212.5	174.0 144.0 205.3	172.1 133.3 205.6	156.8 115.3 182.9
				PLURA	ALITY								
Single All Races Non-Hispanic White Non-Hispanic Black	7.0 5.1 12.2	7.0 4.7 12.6	7.0 5.3 11.8	7.0 5.4 11.7	6.9 5.2 11.8	6.7 5.1 11.5	6.3 4.8 10.6	6.4 4.6 10.9	6.1 4.4 10.4	5.9 4.0 10.6	6.0 4.1 10.4	5.9 4.0 10.0	5.3 3.4 9.5
Plural All Races Non-Hispanic White Non-Hispanic Black	40.3 26.5 68.6	41.0 26.2 70.4	32.6 21.0 54.9	34.2 20.8 54.9	35.0 22.0 56.6	34.5 22.2 46.6	27.0	42.6 33.3 47.5	43.4 35.2 50.4	37.7 31.0 43.0		33.3 23.3 49.1	28.1 14.3 42.2
		•	SMOKI	NG DURIN	G PREGN	ANCY							
No All Races Non-Hispanic White Non-Hispanic Black	7.4 5.1 13.2	7.6 4.9 13.8	7.4 5.5 12.8	7.4 5.4 13.0	7.4 5.5 13.3	7.2 5.3 12.5		6.9 4.7 12.0	6.6 4.5 11.2	6.4 4.0 11.1	6.4 4.0 11.0	6.2 4.0 10.4	5.5 3.4 9.7
Yes All Races Non-Hispanic White Non-Hispanic Black	13.3 10.8 21.6	12.1 8.7 21.9	10.7 8.2 17.8	10.8 8.5 16.1	10.0 7.3 16.2	9.7 6.9 16.0		11.5 10.0 15.0	12.1 10.4 17.6	11.9 10.0 18.3		12.3 8.6 22.0	11.8 6.8 22.6

TABLE E-9. FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE AND SELECTED RISK MARKERS, DELAWARE LIVE BIRTH COHORT, 2004-2020 (continued)

Parameter/ Race	2004 -2008	2005 -2009	2006 -2010	2007 -2011 EDUCAT	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019	2016 -2020
	 			EDUCAT									
HS Grad or less All Races Non-Hispanic White Non-Hispanic Black 1+ yrs college All Races	10.1 8.5 15.3	10.0 8.1 15.4	8.6 14.8	8.3 15.0	7.8 15.3	9.5 7.7 15.1 5.7	8.8 7.2 13.7 5.7	9.3 7.8 14.2 5.9	8.9 7.5 13.3 5.7	7.3	7.3	7.4	
Non-Hispanic White Non-Hispanic Black	5.6 4.0 11.5	5.9 3.8 13.1		5.8 4.5 10.8		5.7 4.4 9.7	5.7 4.5 9.2		5.7 4.1 9.5	5.1 3.6 9.1		3.3	2.7
			PAYME	NT FOR	DELIVER	Y							
Medicaid All Races Non-Hispanic White Non-Hispanic Black	10.2 9.2 14.1	9.9 8.2 14.0	8.4	9.3 7.3 13.5	7.1	8.5 6.7 13.0	6.8	8.7 7.1 12.6	8.7 7.6 11.8			6.5	7.1 5.0 10.3
Private Insurance All Races Non-Hispanic White Non-Hispanic Black	6.4 4.5 14.9	6.6 4.3 16.3	4.6	6.4 5.1 13.4	6.6 4.9 13.9	6.4 4.9 12.6	6.2 4.6 11.3	6.2 4.5 12.2	5.9 4.0 12.0	3.8	3.7	3.5	

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.

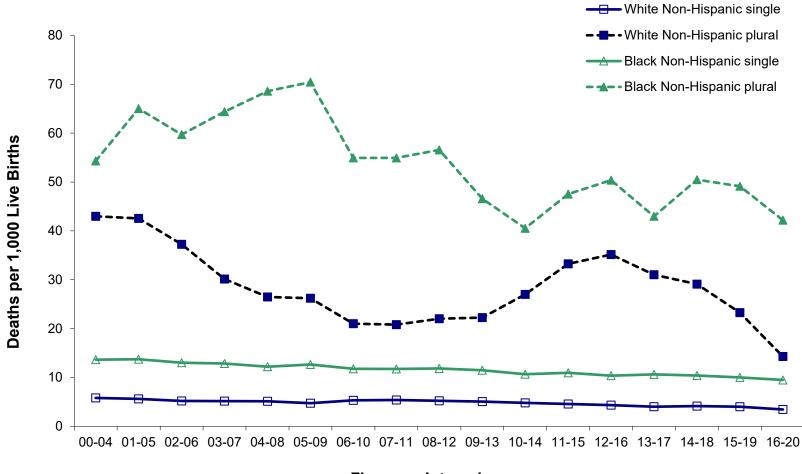
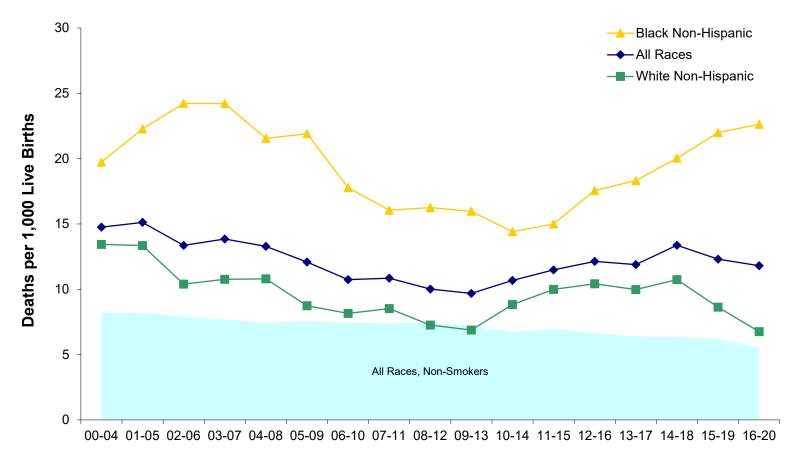


Figure E-5. Five-year Average Infant Mortality Rates by Race and Plurality, Delaware, 2000-2020 Live Birth Cohort

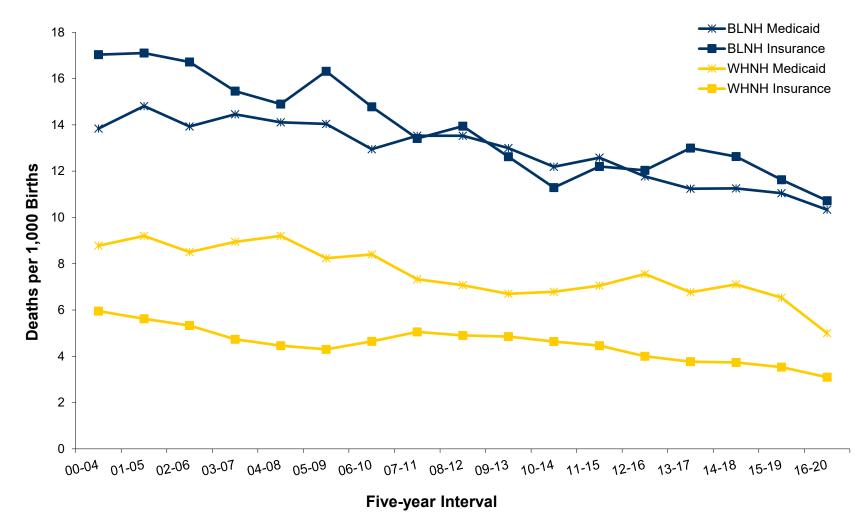
Five-year Interval





Five-year Interval





Source: Delaware Department of Health and Social Services, Division of Public Health, 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, 2016-2020, LIVE BIRTH COHORT

					Ra	ace and S	Sex					
Plurality/		All Race	s	Non-H	Hispanic	White	Non-	Hispanic	Black		on-Hispa er/Unkn	
Birth Weight	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
All Births	320	160	160	98	46	52	155	77	78	19	11	8
<2500	231	114	117	54	25	29	120	59	61	17	10	7
<1500	190	97	93	46	22	24	102	49	53	13	9	4
<500	93	47	46	17	6	11	55	27	28	9	6	3
500-999	84	46	38	26	15	11	39	20	19	3	2 1	1
1000-1499 1500-1999	13 18	4	9 12	3	1	2	8 7	2 3	6 4	1	0	0
2000-2499	23	5 12	13 11	2 6	0 3	2 3	11	3 7	4	2 2	1	2 1
2500-2499 2500+	23 87	45	42	44	21	23	33	17	16	2	1	1
2500-2999	32	18	42	13	6	23	12	7	5	2	1	1
3000-3499	32	14	18	15	5	10	14	7	7	0	0	0
3500-3999	14	7	7	9	5	4	5	2	3	0	0	0
4000-4499	8	6	2	7	5	2	1	1	0	0	Ő	0
4500+	1	0	1	0	0	0	1	0	1	0	0	0
Unknown	2	1	1	0	0	0	2	1	1	0	0	0
Single Births	273	138	135	87	39	48	132	68	64	18	11	7
<2500	189	94	95	43	18	25	100	51	49	17	10	7
<1500	152	78	74	35	15	20	83	42	41	13	9	4
<500	79	38	41	15	4	11	47	23	24	9	6	3
500-999	63	36	27	17	10	7	31	17	14	3	2	1
1000-1499	10	4	6	3	1	2	5	2	3	1	1	0
1500-1999	15	5	10	2	0	2	7	3	4	2	0	2
2000-2499	22	11	11	6	3	3	10	6	4	2	1	1
2500+	83	44	39	44	21	23	31	17	14	1	1	0
2500-2999	28	17	11	13	6	7	10	7	3	1	1	0
3000-3499	32	14	18	15	5	10	14	7	7	0	0	0
3500-3999	14	7	7	9	5	4	5	2	3	0	0	0
4000-4499	8	6	2	7	5	2	1	1	0	0	0	0
4500+	1	0 0	1	0	0	0	1	0	1	0	0	0
Unknown	1	0	1	0	0	0	1	0	1	0	0	0
Plural Births	47	22	25	11	7	4	23	9	14	1	0	1
<2500	42	20	22	11	7	4	20	8	12	0	0	0
<1500	38	19	19	11	7	4	19	7	12	0	0	0
<500	14	9	5	2	2	0	8	4	4	0	0	0
500-999	21	10	11	9	5	4	-	3	5	0	0	0
1000-1499	3	0	3	0	0	0	3	0 0	3	0	0 0	0
1500-1999 2000-2499	3	0 1	3 0	0 0	0 0	0 0	0	0	0 0	0 0	0	0
2000-2499 2500+	1 5	2	0	0	0	0	2	0	2	0	0	0 1
2500+	5 4	2	3	0	0	0	2	0	2	1	0	1
3000-3499	4	0	0	0	0	0	2	0	2	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	1	ů 1	0	0 0	0 0	0 0	1	1	0 0	ů 0	Ő	0 0

Note:

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

TABLE E-11. NUMBER OF NEONATAL DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER, AND SEX OF CHILD, DELAWARE, 2016-2020 LIVE BIRTH COHORT

Race and Sex											
All Races			Non-Hispanic White			Non-Hispanic Black			Non-Hispanic Other		
Both		Both			Both			Both			
Sexes	Male	Female	Sexes	Male	Female	Sexes	Male	Female	Sexes	Male	Female
215	116	00	62	31	21	101	53	19	15	11	4
											4
											4
										-	- 3
				-							1
-											0
											0
14	8		6	3	3	4		1	1	1	0
21	13	8	13	7	6	7	5	2	1	1	0
8	6	2	5	3	2	1	1	0	1	1	0
12	6	6	5	1	4	5	3	2	0	0	0
3	3	0	2	2	0	1	1	0	0	0	0
1	1	0	1	1	0	0	0	0	0	0	0
-	-	0			0	-	-	0	0	0	0
2	1	1	0	0	0	2	1	1	0	0	0
179	97	82	52	24	28	86	46	40	15	11	4
				17			41	-	14		4
										-	4
											3
											1
											0
-					_			-		-	0 0
			-								0
											0
											Ő
3		0			0	1	1	0	0	0	0
1	1	0	1	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	0	1	0	1	0	0	0
36	19	17	10	7	3	15	7	8	0	0	0
35	18	17	10	7	3	14	6	8	0	0	0
32	18	14	10	7	3	14	6	8	0	0	0
14	9	5	2	2	0	8	4	4	0	0	0
16	9	7	8		3	4	2	2	0	0	0
										0	0
-	-	-	_	-	•	•	-	-	_	-	0
											0
			_	-		-	-		_	-	0
-	-	_	_	-	_	-	-	-		-	0 0
-	-		_	-		-	-	-	_	-	0
-	-	_	-	-	_	-	_	-	_	-	0
-	-		_			-				-	0
1	1	0	0	0	0	1	1	0	0	0	0
	Both Sexes 215 189 166 93 64 9 9 9 14 21 8 12 3 1 0 2 179 154 134 79 48 7 6 14 23 1 0 2 2 179 154 134 79 48 7 6 14 2 3 3 1 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Both Sexes Male 215 116 189 99 166 89 93 47 64 40 9 2 9 2 9 2 9 2 14 8 21 13 8 6 12 6 3 3 1 1 0 0 2 1 179 97 154 81 134 71 79 38 48 31 7 2 6 2 14 8 24 16 8 6 12 6 3 3 1 0 35 18 32 18 34 9 16 9 </td <td>Both SexesMaleFemale215116991899990166897793474664402492714862113886212663301100002117256241486211725624148624168862126633011000010136191735181732181414951697202300000000000000000000</td> <td>Both SexesMaleFemaleBoth Sexes2151169962189999049166897743934746176440242392739270148662113813862512665330211000000211072536240148662416813725362401486624168138625126653330214866241681386251260000001495215181710351817103518171035181710351817103697820<t< td=""><td>Both SexesMaleFemaleBoth SexesMale2151169962311899990492416689774321934746176644024231492731927319273192731927319273192731126651330221101100000211002110021110017997825224154817339171347163331479384115448663312665133022110110000014865135181710735181710735202</td><td>All Races Non-Hispanic White Both Sexes Male Female Both Sexes Male Female 215 116 99 62 31 31 189 99 90 49 24 25 166 89 77 43 21 222 93 47 46 17 6 111 64 40 24 23 14 9 9 2 7 3 1 22 9 2 7 0 0 0 14 8 6 2 5 3 2 12 6 6 5 1 4 3 0 2 2 0 1 1 0 1 0 0 0 21 13 8 13 7 6 3 0 2 24 28 14</td><td>All Races Non-Hispanic White Non-I Both Sexes Male Female Both Sexes Both Male Female Sexes 215 116 99 62 31 31 101 189 99 90 49 24 25 92 166 89 77 43 21 22 83 93 47 46 17 6 11 55 9 2 7 3 1 2 5 9 2 7 0 0 0 5 14 8 6 6 3 3 4 21 13 8 13 7 6 7 8 6 2 5 3 2 1 12 6 6 5 1 4 5 3 3 0 2 2 0 1 14</td><td>All Races Non-Hispanic White Non-Hispanic Mon Both Both Both Both Both Both Sexes Male Female Sexes Male Female Sexes Male 215 116 99 90 49 24 25 92 47 166 89 77 43 21 22 83 42 93 47 46 17 6 155 50 9 2 7 0 0 0 5 0 9 2 7 0 0 0 5 0 9 13 13 10 1 1 0<td>All Races Non-Hispanic White Non-Hispanic Black Both Sexes Male Female Both Sexes Both Male Both Female Both Sexes Male Female 215 116 99 90 49 24 25 92 47 45 186 89 77 43 21 22 83 42 41 93 47 46 17 6 11 55 27 28 64 40 24 23 14 9 23 15 8 9 2 7 0 0 0 5 2 3 14 8 6 6 5 1 4 5 3 2 11 0 1 1 0 0 0 0 0 0 0 12 6 5 1 4 5 3 2 1 1 0 <t< td=""><td>All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Both <</td><td>All Races Non-Hispanic White Non-Hispanic Ott Non-Hispanic Ott Non-Hispanic Ott Both Sexes Male Female Sexes Male Female Sexes Male Female Sexes Male Both Bo</td></t<></td></td></t<></td>	Both SexesMaleFemale215116991899990166897793474664402492714862113886212663301100002117256241486211725624148624168862126633011000010136191735181732181414951697202300000000000000000000	Both SexesMaleFemaleBoth Sexes2151169962189999049166897743934746176440242392739270148662113813862512665330211000000211072536240148662416813725362401486624168138625126653330214866241681386251260000001495215181710351817103518171035181710351817103697820 <t< td=""><td>Both SexesMaleFemaleBoth SexesMale2151169962311899990492416689774321934746176644024231492731927319273192731927319273192731126651330221101100000211002110021110017997825224154817339171347163331479384115448663312665133022110110000014865135181710735181710735202</td><td>All Races Non-Hispanic White Both Sexes Male Female Both Sexes Male Female 215 116 99 62 31 31 189 99 90 49 24 25 166 89 77 43 21 222 93 47 46 17 6 111 64 40 24 23 14 9 9 2 7 3 1 22 9 2 7 0 0 0 14 8 6 2 5 3 2 12 6 6 5 1 4 3 0 2 2 0 1 1 0 1 0 0 0 21 13 8 13 7 6 3 0 2 24 28 14</td><td>All Races Non-Hispanic White Non-I Both Sexes Male Female Both Sexes Both Male Female Sexes 215 116 99 62 31 31 101 189 99 90 49 24 25 92 166 89 77 43 21 22 83 93 47 46 17 6 11 55 9 2 7 3 1 2 5 9 2 7 0 0 0 5 14 8 6 6 3 3 4 21 13 8 13 7 6 7 8 6 2 5 3 2 1 12 6 6 5 1 4 5 3 3 0 2 2 0 1 14</td><td>All Races Non-Hispanic White Non-Hispanic Mon Both Both Both Both Both Both Sexes Male Female Sexes Male Female Sexes Male 215 116 99 90 49 24 25 92 47 166 89 77 43 21 22 83 42 93 47 46 17 6 155 50 9 2 7 0 0 0 5 0 9 2 7 0 0 0 5 0 9 13 13 10 1 1 0<td>All Races Non-Hispanic White Non-Hispanic Black Both Sexes Male Female Both Sexes Both Male Both Female Both Sexes Male Female 215 116 99 90 49 24 25 92 47 45 186 89 77 43 21 22 83 42 41 93 47 46 17 6 11 55 27 28 64 40 24 23 14 9 23 15 8 9 2 7 0 0 0 5 2 3 14 8 6 6 5 1 4 5 3 2 11 0 1 1 0 0 0 0 0 0 0 12 6 5 1 4 5 3 2 1 1 0 <t< td=""><td>All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Both <</td><td>All Races Non-Hispanic White Non-Hispanic Ott Non-Hispanic Ott Non-Hispanic Ott Both Sexes Male Female Sexes Male Female Sexes Male Female Sexes Male Both Bo</td></t<></td></td></t<>	Both SexesMaleFemaleBoth SexesMale2151169962311899990492416689774321934746176644024231492731927319273192731927319273192731126651330221101100000211002110021110017997825224154817339171347163331479384115448663312665133022110110000014865135181710735181710735202	All Races Non-Hispanic White Both Sexes Male Female Both Sexes Male Female 215 116 99 62 31 31 189 99 90 49 24 25 166 89 77 43 21 222 93 47 46 17 6 111 64 40 24 23 14 9 9 2 7 3 1 22 9 2 7 0 0 0 14 8 6 2 5 3 2 12 6 6 5 1 4 3 0 2 2 0 1 1 0 1 0 0 0 21 13 8 13 7 6 3 0 2 24 28 14	All Races Non-Hispanic White Non-I Both Sexes Male Female Both Sexes Both Male Female Sexes 215 116 99 62 31 31 101 189 99 90 49 24 25 92 166 89 77 43 21 22 83 93 47 46 17 6 11 55 9 2 7 3 1 2 5 9 2 7 0 0 0 5 14 8 6 6 3 3 4 21 13 8 13 7 6 7 8 6 2 5 3 2 1 12 6 6 5 1 4 5 3 3 0 2 2 0 1 14	All Races Non-Hispanic White Non-Hispanic Mon Both Both Both Both Both Both Sexes Male Female Sexes Male Female Sexes Male 215 116 99 90 49 24 25 92 47 166 89 77 43 21 22 83 42 93 47 46 17 6 155 50 9 2 7 0 0 0 5 0 9 2 7 0 0 0 5 0 9 13 13 10 1 1 0 <td>All Races Non-Hispanic White Non-Hispanic Black Both Sexes Male Female Both Sexes Both Male Both Female Both Sexes Male Female 215 116 99 90 49 24 25 92 47 45 186 89 77 43 21 22 83 42 41 93 47 46 17 6 11 55 27 28 64 40 24 23 14 9 23 15 8 9 2 7 0 0 0 5 2 3 14 8 6 6 5 1 4 5 3 2 11 0 1 1 0 0 0 0 0 0 0 12 6 5 1 4 5 3 2 1 1 0 <t< td=""><td>All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Both <</td><td>All Races Non-Hispanic White Non-Hispanic Ott Non-Hispanic Ott Non-Hispanic Ott Both Sexes Male Female Sexes Male Female Sexes Male Female Sexes Male Both Bo</td></t<></td>	All Races Non-Hispanic White Non-Hispanic Black Both Sexes Male Female Both Sexes Both Male Both Female Both Sexes Male Female 215 116 99 90 49 24 25 92 47 45 186 89 77 43 21 22 83 42 41 93 47 46 17 6 11 55 27 28 64 40 24 23 14 9 23 15 8 9 2 7 0 0 0 5 2 3 14 8 6 6 5 1 4 5 3 2 11 0 1 1 0 0 0 0 0 0 0 12 6 5 1 4 5 3 2 1 1 0 <t< td=""><td>All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Both <</td><td>All Races Non-Hispanic White Non-Hispanic Ott Non-Hispanic Ott Non-Hispanic Ott Both Sexes Male Female Sexes Male Female Sexes Male Female Sexes Male Both Bo</td></t<>	All Races Non-Hispanic White Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Non-Hispanic Black Both <	All Races Non-Hispanic White Non-Hispanic Ott Non-Hispanic Ott Non-Hispanic Ott Both Sexes Male Female Sexes Male Female Sexes Male Female Sexes Male Both Bo

Note:

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