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# DELAWARE VITAL STATISTICS ANNUAL REPORT 2016



*DELAWARE HEALTH AND SOCIAL SERVICES*  
Division of Public Health  
*A Nationally Accredited Health Department*

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**John Carney, Governor**  
State of Delaware

**Kara Odom Walker, MD, MPH, MSHS, Secretary**  
Delaware Department of Health and Social Services

# DELAWARE VITAL STATISTICS ANNUAL REPORT REPORT

## 2016

**Division of Public Health  
Delaware Health Statistics Center**

417 Federal Street  
Dover, DE 19901  
Telephone 302-744-4541  
FAX 302-739-4784

Karyl Thomas Rattay, MD, MS  
Director  
Division of Public Health  
Delaware Department of Health and Social Services



*DELAWARE HEALTH AND SOCIAL SERVICES*  
*Division of Public Health*  
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## PREFACE

I am pleased to present the 2016 Vital Statistics Annual Report, issued by the Division of Public Health's Delaware Health Statistics Center.

This report features statistics that are essential to identify and understand the challenges facing Delaware as it strives to improve the health of its residents. Our challenges are significant, and include the reduction of infant mortality, promoting healthy lifestyles to reduce morbidity and mortality due to preventable diseases, and closing the health disparities gap that exists when comparing racial and ethnic groups. To meet these challenges, we must measure outcomes and monitor trends to learn what we can do to improve the quality of life for all Delawareans.

The 2016 Delaware Vital Statistics Annual Report presents a wide variety of data and statistics that can assist us in this endeavor. Information in this report identifies racial differences, such as the large disparity between black and white mortality rates for HIV, homicide, diabetes, kidney disease, and hypertension. It presents health indicators such as life expectancy, the leading causes of death, teen birth rates, general fertility rates, and infant mortality rates; and it provides historical data that demonstrate movement over time.

The primary sources of data used in preparing this report are certificates of marriage, divorce, live birth, death, fetal death, and reports of induced termination of pregnancy. We are indebted to the hard work and dedication of the professionals who provide these certificates.

Karyl Thomas Rattay MD, MS



Director  
Division of Public Health  
Delaware Department of Health and  
Social Services

## ACKNOWLEDGMENTS

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**Questions or comments about this report may be directed to:**

State of Delaware  
Delaware Department of Health and Social Services  
Division of Public Health  
Delaware Health Statistics Center  
417 Federal Street  
Dover, Delaware 19901  
302-744-4541  
FAX 302-739-6631

**Visit our website at:**

<http://www.dhss.delaware.gov/dhss/dph/hp/healthstats.html>

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## EXECUTIVE SUMMARY

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There is an ever-increasing demand for vital records data and an increasing recognition of the importance of these data among policy makers, planners and health professionals, the news media, students and teachers, and private citizens. In an effort to meet the demand for quality vital statistics data, the Delaware Health Statistics Center (DHSC) releases the Delaware Vital Statistics Annual Report.

The primary sources of data used in preparing this report are certificates of marriage, divorce, live birth, death, and fetal death filed either inside or outside Delaware and reports of induced termination of pregnancy (ITOP) filed in Delaware. The compilation and enumeration of vital events are accomplished through the cooperation of the DHSC and the Office of Vital Statistics. This cooperation is the foundation for the development of a comprehensive health data management system designed to facilitate the most effective use of resources.

This report includes a number of statistics based on five-year averages: age-specific fertility rates, percentages of births to single mothers, percentages of low birthweight births, infant mortality rates, and age-adjusted mortality rates for selected causes of deaths. The use of five-year averages for these measures is due to the relatively small number of events in a single year, making annual rates particularly susceptible to the effects of random variations. This report presents trends over time beginning in the 1980's. The DHSC presents rates with stratifications of place of residence, age, marital status, race, ethnicity, gender, educational background, and (for mortality data) causes of death. Also included are highlights of Delaware's life expectancy, leading causes of death, and the most popular birth names.

Sections in this report focus on specific topics of concern to Delawareans such as teen pregnancy, infant mortality, trends in HIV infection/AIDS deaths, and drug and alcohol-related deaths. Throughout the years, the DHSC expanded its sections to include data specific Wilmington, historical tables on the percent of births to single mothers, and tables on the percent of low and very low birthweight births.

The effective use of vital statistics information is essential to identify and understand the population health challenges facing Delaware. Some of the highlights of the annual report are as follows.

- In 2016, 71 percent of single mothers who gave birth in Delaware had Medicaid as a principal source of payment for delivery.
- The percentage of live births by cesarean delivery increased from 31.5 percent in 2014 to 31.8 percent in 2016, making Delaware 31st in the national ranking.
- Delaware residents born in 2016 can expect to live to 79 years of age.
- In Figure F-2, while alcohol-induced death rates remained fairly stable, drug-induced mortality rates continued their steady increase. Since 1990-1994, drug-induced mortality rates have risen 330 percent, with the increase reflected in both male and female death rates. Although female rates increased more than male rates, 383 versus 309 percent, in 2012-2016 the male drug-induced death rate was 88 percent higher than the female rate. Also notable in 2016, 85 percent of all drug-induced deaths were white decedents, and 68 percent of those deaths were males.

Examining data such as highlighted here can provide a general overview of the health of Delawareans; provide an opportunity to generate and evaluate possible hypotheses about the possible determinants of diseases and health risks; and may be useful for policy development and program planning when used in concert with other relevant data.

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# THE DELAWARE VITAL STATISTICS SYSTEM

Statewide vital registration began in Delaware during 1861 as the result of a statute enacted in 1860 by the Delaware General Assembly. This statute authorized the Recorder of Deeds to record births and deaths in the three counties. However, the vital record registration statute was repealed in 1863 and not re-enacted until 1881. When re-enacted, vital records were once again filed with the Recorder of Deeds. This changed on July 1, 1913 with the establishment of the Bureau of Vital Statistics. Since 1913, birth, death, and marriage records have been filed with the Bureau of Vital Statistics (now the Office of Vital Statistics). In 1928, stillbirth records (fetal deaths) were added to the Delaware system and divorce records were added in 1936. Most recently, reports of induced termination of pregnancy were added to the system on January 1, 1997. The information contained on vital records and in this report serves as an important tool for health professionals by providing a picture of the general health of Delaware's population.

The current Delaware vital statistics system includes six types of vital events: births, deaths, marriages, divorces, fetal deaths, and induced terminations of pregnancy. Each type of record follows a different path before being filed with the State.

When a birth occurs, the physician, midwife, or other birth attendant is required to complete a birth certificate and submit it to the central Office of Vital Statistics in Dover within 10 days, where it is registered and permanently filed. For hospital births, the medical records staff generally completes the birth certificate. The physician, attendant at birth, or hospital administrator signs the completed form before it is forwarded to the Office of Vital Statistics.

Although the physician is responsible for completing the cause of death section on the death certificate, the funeral director completes the remaining sections. It is the funeral director's responsibility to file the certificate with one of the county Office of Vital Statistics within 72 hours of the death.

Fetal death certificates are required to be filed for any fetus which weighs at least 350 grams or, if the weight is unknown, reached at least 20 weeks of gestation. These certificates are handled in much the same way as death certificates, with the physician completing the cause of death section and the funeral director completing the remaining sections. These certificates are then filed with one of the county Office of Vital Statistics.

When a couple decides to marry in Delaware, they provide one of the three county Clerks of the Peace with the information needed to complete a marriage license. The couple then takes the license to an officiant. After performing the marriage, the officiant signs and dates the license and returns it to the Clerk of the Peace, who forwards a copy to the Office of Vital Statistics.

The Family Court handles divorce and annulment certificates in Delaware. The Office of Vital Statistics in Dover receives copies of these certificates that are used for statistical purposes only. Copies of divorce decrees must be obtained from the Family Court in the county where the divorce was granted.

When an induced termination of pregnancy is performed in Delaware, a report is filed directly to the Delaware Health Statistics Center. Unlike most vital records, these reports contain no personal identifiers. The Center then codes the records and creates an electronic data file. The reports are filed for statistical purposes only and are shredded and discarded when all reports for the data year have been coded.

Copies of all marriage, divorce, and death records are sent to the Office of Vital Statistics in Dover for coding and entry in electronic format. Beginning in 2006, all in-state birth and fetal death records are entered directly into the Electronic Vital Records System (EVRS) by the healthcare provider. Out-of-state and home delivery records are sent to the Office of Vital Statistics for coding and entry. Records with unknown or unlikely data are verified when possible by querying the original data provider. Querying is conducted by the Office of Vital Statistics and the Delaware Health Statistics Center (DHSC). Computer files containing statistical data are maintained and used by the D to produce reports such as this one. Copies of these files are also sent to the National Center for Health Statistics to become part of a national database.

Since most analyses of vital events are based upon place of residence, rather than place of occurrence, the Office of Vital Statistics also receives copies of certificates for all Delaware resident births and deaths occurring in other states.



## BASIC DEFINITIONS

The following definitions apply throughout this report:

AGE-ADJUSTED MORTALITY RATE (Direct Method) is a method used to eliminate differences caused by variations in age composition, to allow comparisons between populations and over time. More specifically, age- adjustment involves weighting age-specific death rates by standard population weights. The standard population used in this report is the 2000 U.S. population.

AGE-SPECIFIC MORTALITY RATE is the number of deaths for a specified age group per 100,000 population in the same age group.

AGE-SPECIFIC FERTILITY RATE is the number of resident live births to women in a specific age group (e.g., 20-24 years) per 1,000 women in the same age group.

ANNULMENT is the invalidation or voiding of a marriage that confers on the parties the status of never having been married to each other.

BIRTH COHORT consists of all children born during a specific period of time.

BIRTHWEIGHT is the first weight of the fetus or newborn obtained after birth. This weight should be measured within the first hour of life before significant postnatal weight loss has occurred.

CAUSE OF DEATH refers to deaths classified by cause according to the International Classification of Diseases, Ninth & Tenth Revisions, of the World Health Organization.

CENSUS COUNTY DIVISION (CCD) represent the 2000 census delineations of county subdivisions. The boundaries of CCDs coincide with census tracts and county boundaries, with the result that census tracts fit within county subdivisions, which fit within counties. CCDs are sometimes used in place of census tract or ZIP code data because they represent the smallest level of geography that can be consistently defined and used to generate reliable statistics.

CRUDE BIRTH RATE is the total number of resident live births per 1,000 total population. It is generally used as a measure of population growth due to childbirth. Crude birth rates are not measures of fertility. When fertility is the topic of interest, general or age-specific fertility rates are more appropriate.

CRUDE MORTALITY RATE is expressed as the total number of deaths per 100,000 population. The crude rate is misleading if one wants to make comparisons between different populations when the age-race-sex distributions of the populations are not similar.

DEATH is the permanent disappearance of any evidence of life at any time after live birth.

DIVORCE is the final legal dissolution of a marriage.

ELECTRONIC VITAL RECORDS SYSTEM (EVRS) is a web-based system for entering and maintaining vital record events.

EDUCATION is the highest level of formal education completed.

FETAL DEATH is a death prior to the complete expulsion or extraction from the mother of a product of conception, which weighs at least 350 grams or if weight is unknown, reached at least 20 weeks of gestation; the death is indicated by the fact that, after such expulsion or extraction, the fetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps.

FIVE-YEAR AVERAGE RATE is the number of vital events (births, infant deaths, etc.) that took place during a particular five-year period per 1,000 or 100,000 population (or other appropriate denominator).

GENERAL FERTILITY RATE is the total number of resident live births per 1,000 women of childbearing age (i.e., 15-44 years).

INTERNATIONAL CLASSIFICATION OF DISEASES, TENTH REVISION (ICD-10) is an internationally recognized system of processing, classifying, and presenting mortality statistics, implemented in 1999.

INDUCED TERMINATION OF PREGNANCY means the purposeful interruption of an intrauterine pregnancy with the intention other than to produce a live-born infant, and which does not result in a live birth. This definition excludes management of prolonged retention of products of conception following fetal death.

INFANT DEATH is the death of a live-born infant occurring during the first year of life.

INFANT MORTALITY RATE measures the risk of death during the first year of life. It relates the number of deaths under one year of age to the number of live births during the same time period. It is expressed as the number of infant deaths per 1,000 live births. Since it is not dependent on a population census or estimate, it can be computed for any area and time period for which the numbers of infant deaths and live births are available.

LIVE BIRTH is the complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes or shows any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of the voluntary muscles whether or not the umbilical cord has been cut or the placenta is attached. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps.

LIVE BIRTH ORDER indicates the numeric relationship of a newborn child to other children born alive to the mother during previous deliveries.

LIVE BIRTH ORDER FERTILITY RATE is the number of resident live births of a specific live birth order (i.e., first born, second born, etc.) per 1,000 women 15-44 years of age.

LOW BIRTHWEIGHT BIRTH refers to a newborn weighing less than 2,500 grams (5 pounds, 8 ounces).

MARRIAGE is the legal union of two people of opposite sex.

MEAN is one of three statistics commonly used to describe the average score in a large data set (the other two are the median and mode). The mean is obtained by summing the scores in a data set and dividing the result by the total number of scores. It is the statistic typically chosen when scores tend to cluster toward the middle of a distribution of scores ranked in order from low to high.

MEDIAN is one of three statistics commonly used to describe the average score in a large data set (the other two are the mean and mode). It is the score that falls exactly in the middle of the entire distribution of scores ranked in order from low to high such that 50 percent of the scores fall above it and 50 percent of the scores fall below it. If the number of scores is even, a value halfway between the two scores nearest the middle is used. It is the statistic typically chosen when scores tend to cluster toward one end of the ranked distribution. For example, median age at death is often reported because there tends to be clustering in the

older age groups in mortality data.

MODE is one of three statistics commonly used to describe the average score in a large data set (the other two are the median and mean). It is the most frequently occurring score or category in a data set. It is the statistic typically chosen when scores tend to cluster in more than one part of a distribution of scores ranked in order from low to high. It is also used for nominal variables (i.e., variables with categories that have no numerical meaning or specific logical order) such as cause of death. For example, the most frequent cause of death (i.e., the mode for the cause of death) is heart disease.

NEONATAL DEATH is the death of a live-born infant before the infant becomes 28 days old (up to and including 27 days, 23 hours, 59 minutes from the moment of birth).

NEONATAL MORTALITY RATE measures the risk of death before reaching 28 days of life. This rate relates the number of deaths to infants less than 28 days of age to the total number of live births. It is expressed as the number of neonatal deaths per 1,000 live births.

OCCURRENCE DATA refer to vital events reported by the place where the event actually occurred. When occurrence data are reported for Delaware, the numbers include only those events that took place in Delaware, regardless of the place of residence of the individuals involved. Marriages, divorces, annulments, and abortions are reported as occurrence data.

PLURALITY represents the number of siblings born as the result of a single pregnancy.

POSTNEONATAL DEATH is the death of a live-born infant of 28 days to 364 days of age.

POSTNEONATAL MORTALITY RATE measures the risk of death during the period from 28 to 364 days of age. It is expressed as the number of postneonatal deaths per 1,000 live births.

RESIDENCE DATA refer to vital events reported by the usual place of residence for the people to whom the events took place. When residence data are reported for Delaware, the numbers include events taking place to Delaware residents in and outside of Delaware. For births and fetal deaths, residence is defined as the mother's usual place of residence. For deaths, residence is defined as the decedent's usual place of residence. Unless otherwise noted, the numbers in all tables and figures provided in this report are residence data.

TEENAGE FERTILITY RATE is the number of resident live births to women 15-19 years of age per 1,000 women 15-19 years of age.

UNDERLYING CAUSE OF DEATH is either the disease or injury that initiated a chain of events leading directly to death or the circumstances of an accident or violence, which produced a fatal injury.

VERY LOW BIRTHWEIGHT BIRTH refers to a newborn weighing less than 1,500 grams (3 pounds, 5 ounces).

WEEKS OF GESTATION are the number of weeks elapsed between the first day of the last normal menstrual period (LMP) and the date of birth. When the date of the LMP is incompletely reported or the length of gestation as computed from the LMP is inconsistent with the reported birth weight, the "clinical estimate of gestation" is used. Gestations of fewer than 17 weeks or more than 47 weeks are coded as unknown. For more information, see the Technical Notes section of this report.

## RATES

The simplest method of making comparisons among groups of people is to compute relative figures such as rates. A rate is obtained by a process of division, in which the numerator represents the number of times an event has occurred within a particular time period and the denominator enumerates the total number of individuals exposed to the risk of that event during the same time period. The ratio of these two numbers is generally multiplied by 100, 1,000 or 100,000 to avoid decimal numbers beginning with zeros (see following two pages).

In computing rates, it is necessary that the numerator (i.e., the number of events) be defined according to (a) the nature of the event in question, (b) the geographical area and/or social group to which the event belongs, and (c) the time period when the event occurred. The denominator (i.e., the "population at risk") should correspond to the numerator in all the above respects. The more specifically one can define the "population at risk" the more meaningful the rate will be. For example, the crude birth rate, which compares the number of births to the total population, is not nearly as informative as the general fertility rate. This second rate uses only the number of women of childbearing age (15-44) for comparative purposes and therefore more specifically defines the "population at risk."

In general, rates will not be presented for events which have numerators less than 20, or in cases where the population estimates are not produced by the Delaware Population Consortium (DPC). For example, Hispanic mortality has not normally been reported in terms of rates due to the following reasons: Hispanics experience a relatively small number of deaths and the only available population estimates, produced by the U.S Census Bureau, have been subject to questions regarding their accuracy, both of which contribute to high variability in rates. Though there are a few exceptions to this rule, the Hispanic rates generated are more for illustrative purposes and should be interpreted with caution.

Formulas and calculations for the most common rates used in this report are provided on the following two pages.



## CALCULATION OF RATES

$$\text{Crude Birth Rate} = \frac{\text{Number of Live Births}}{\text{Total Population}} \times 1,000$$

$$\text{General Fertility Rate} = \frac{\text{Number of Live Births}}{\text{Female Population Ages 15-44}} \times 1,000$$

$$\text{Teenage Fertility Rate} = \frac{\text{Number of Live Births to Women Ages 15-19}}{\text{Female Population Ages 15-19}} \times 1,000$$

$$\text{Live Birth Order Fertility Rate} = \frac{\text{Number of Live Births of a Specific Birth Order}}{\text{Female Population Ages 15-44}} \times 1,000$$

$$\text{Age-Specific Fertility Rate} = \frac{\text{Number of Live Births in a Specific Age Group}}{\text{Female Population in the Same Specific Age Group}} \times 1,000$$

$$\text{Reported Pregnancy Rate} = \frac{\text{Number of Reported Pregnancies in a Specific Age Group}}{\text{Female Population in the Same Specific Age Group}} \times 1,000$$

$$\text{Crude Mortality Rate} = \frac{\text{Number of Deaths}}{\text{Total Population}} \times 100,000$$

$$\text{Age-Specific Mortality Rate} = \frac{\text{Number of Deaths in a Specific Age Group}}{\text{Population in the Same Specific Age Group}} \times 100,000$$

$$\text{Age-adjusted Death Rate} = \sum_i W_i \cdot \left( \frac{\# \text{Deaths}_i}{\text{Pop}_i} \times 100,000 \right)$$

$$\text{Where } W_i = \frac{\text{Standard Population}_i}{\text{Total Standard Population}}$$

And  $i$  = agegroup

$$\text{Marriage Rate} = \frac{\text{Number of Marriages}}{\text{Total Population}} \times 1,000$$

$$\text{Divorce Rate} = \frac{\text{Number of Divorces and Annulments}}{\text{Total Population}} \times 1,000$$

$$\text{Infant Mortality Rate} = \frac{\text{Number of Infant Deaths}}{\text{Total Live Births}} \times 1,000$$

$$\text{Neonatal Mortality Rate} = \frac{\text{Number of Neonatal Deaths}}{\text{Total Live Births}} \times 1,000$$

$$\text{Perinatal Mortality Rate} = \frac{(\text{Late Fetal Deaths} + \text{Early Infant Deaths})}{(\text{Late Fetal Deaths} + \text{Live Births})} \times 1,000$$



Figure 1. Selected Characteristics: Delaware Vital Statistics Annual Report, 2016

Population			Fetal Deaths		
	Number*	Percent		Number*	Percent
<b>Delaware</b>	952,986	100.0%	<b>Delaware</b>	48	100.0%
<i>Kent</i>	173,668	18.2%	<i>Kent</i>	12	25.0%
<i>New Castle</i>	558,345	58.6%	<i>New Castle</i>	26	54.2%
<i>Sussex</i>	220,973	23.2%	<i>Sussex</i>	10	20.8%
Marriages			Race		
	Number*	5-yr Rate <sup>1</sup>		Number*	Percent
<b>Delaware</b>	5,344	5.8	<i>White</i>	17	35.4%
<i>Kent</i>	888	5.5	<i>Black</i>	27	56.3%
<i>New Castle</i>	2,777	5.0	<i>Hispanic Origin</i> <sup>4</sup>	3	100.0%
<i>Sussex</i>	1,679	8.5	Infant Mortality		
Divorces				Number*	5-yr Rate <sup>5</sup>
	Number*	5-yr Rate <sup>1</sup>	<b>Delaware</b>	87	7.5
<b>Delaware</b>	2,932	3.3	<i>Kent</i>	14	6.5
<i>Kent</i>	676	4.1	<i>New Castle</i>	62	8.4
<i>New Castle</i>	1,637	3.1	<i>Sussex</i>	11	6.1
<i>Sussex</i>	619	3.5	Race		
Live Births				Number*	5-yr Rate <sup>2</sup>
	Number*	5-yr Rate <sup>2</sup>	<i>White</i>	36	5.1
<b>Delaware</b>	10,967	62.5	<i>Black</i>	40	12.5
<i>Kent</i>	2,247	64.7	<i>Hispanic Origin</i> <sup>4</sup>	8	6.5
<i>New Castle</i>	6,430	59.4	Mortality		
<i>Sussex</i>	2,290	71.0		Number*	Adj. Rate <sup>6</sup>
<b>Births to Teenagers (15-19)</b>			<b>Delaware</b>	8,872	717.8
<i>White</i>	310	20.1	<i>Kent</i>	1,626	847.0
<i>Black</i>	244	33.8	<i>New Castle</i>	4,666	718.7
Delaware	580	22.6	<i>Sussex</i>	2,580	680.7
<i>Kent</i>	151	23.7	Race and Gender		
<i>New Castle</i>	290	19.3	<i>White Males</i>	3,695	861.9
<i>Sussex</i>	139	32.6	<i>White Females</i>	3,478	587.2
Race			<i>Black Males</i>	813	1074.8
	Number*	Percent	<i>Black Females</i>	708	671.9
<i>White</i>	7,051	64.3%	Decedent's Age		
<i>Black</i>	3,014	27.5%		Number*	Percent
<i>Hispanic Origin</i> <sup>4</sup>	1,543	14.1%	<1	87	1.0%
Marital Status			1-14	24	0.3%
	Number*	Percent	15-24	95	1.1%
<i>Married</i>	5,942	54.2%	25-44	430	4.8%
<i>Single</i>	5,025	45.8%	45-64	1,681	18.9%
Births to Single Mothers <sup>3</sup>			65-74	1,763	19.9%
	Number*	Percent	75-84	2,165	24.4%
<i>White</i>	2,759	39.1%	85+	2,627	29.6%
<i>Black</i>	2,084	69.1%	Leading Causes of Death		
<i>Hispanic Origin</i> <sup>4</sup>	922	59.8%		Number*	Percent
Low Birth Weight (<2,500 gms)			Malignant neoplasms	2,125	24.0%
	Number*	Percent	Diseases of heart	1,955	22.0%
All Races	986	9.0%	Chronic lower respiratory diseases	540	6.1%
<i>White</i>	490	6.9%	Accidents (unintentional injuries)	534	6.0%
<i>Black</i>	408	13.5%	Cerebrovascular diseases	503	5.7%
<i>Hispanic Origin</i> <sup>4</sup>	110	7.1%	Dementia	443	5.0%

Notes:

\* Numbers are for 2016.

1. The 5-year rate is per 1,000 population and refers to the period 2012-2016.

2. The 5-year rate refers to total live births per 1,000 women 15-44 years of age during the 2012-2016 period.

3. Percentages for births to single mothers are based on total births for the race-group.

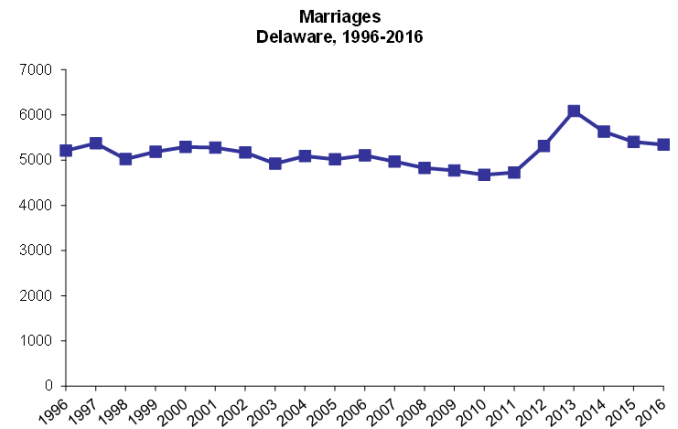
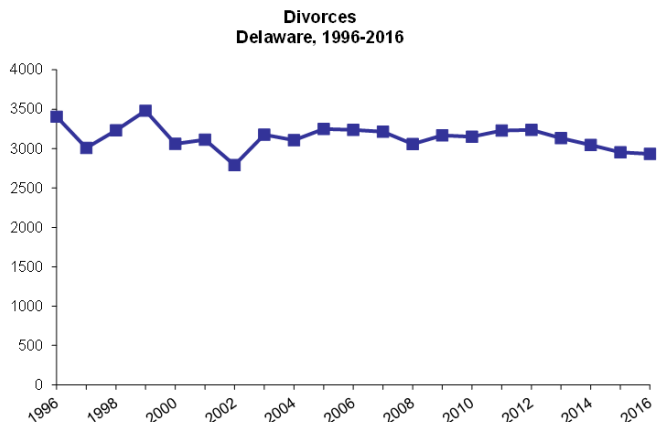
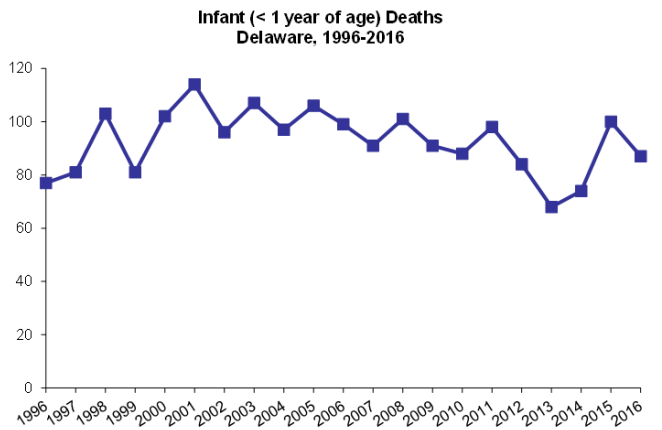
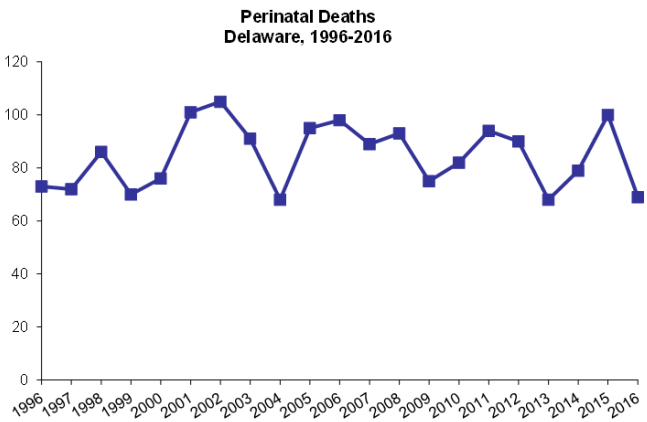
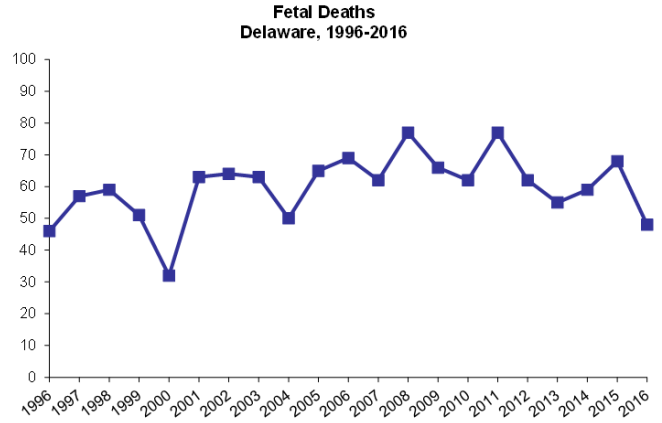
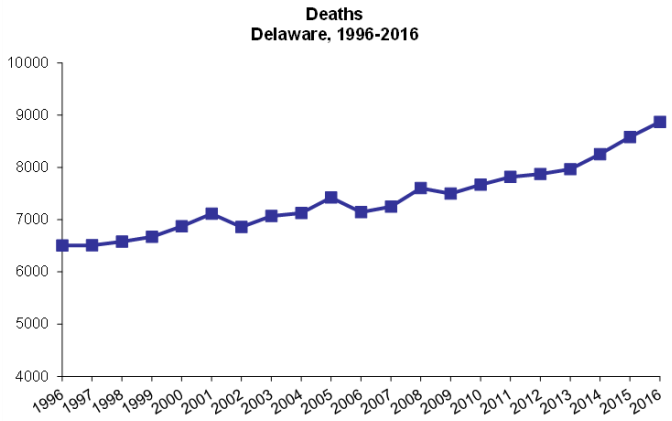
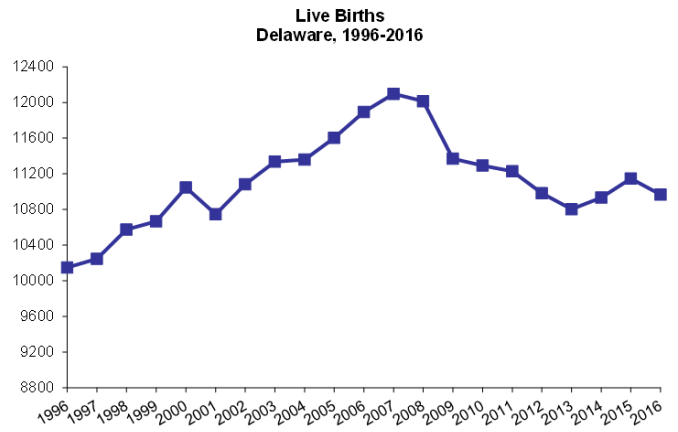
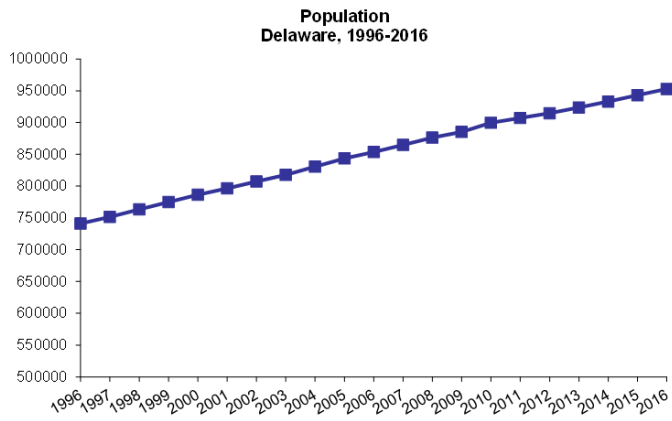
4. People of Hispanic origin may be of any race. The percentage is based on total resident births for 2016.

5. The 5-year (2012-2016) infant mortality rates represent the number of deaths to children under one year of age per 1,000 live births.

6. The 2016 mortality rates (deaths per 100,000 population) for Delaware and the counties are age-adjusted to the 2000 U.S. population.

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

**Figure 2. 2016 Delaware Vital Statistics**



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

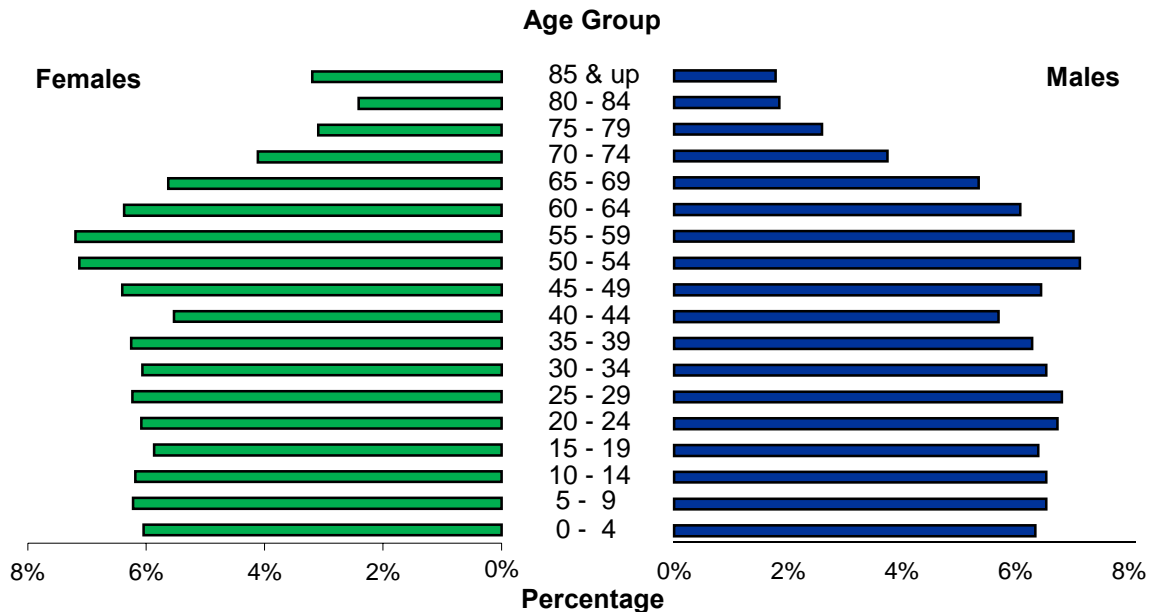
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**Population**

## POPULATION

In 2016, just over 51 percent of Delaware's population was female. Females made up a greater proportion of the older age groups, which reflects the longer female life expectancy. Delaware females born in 2016 can expect to live an average of 81.8 years versus males who could expect to live 75.7 years.

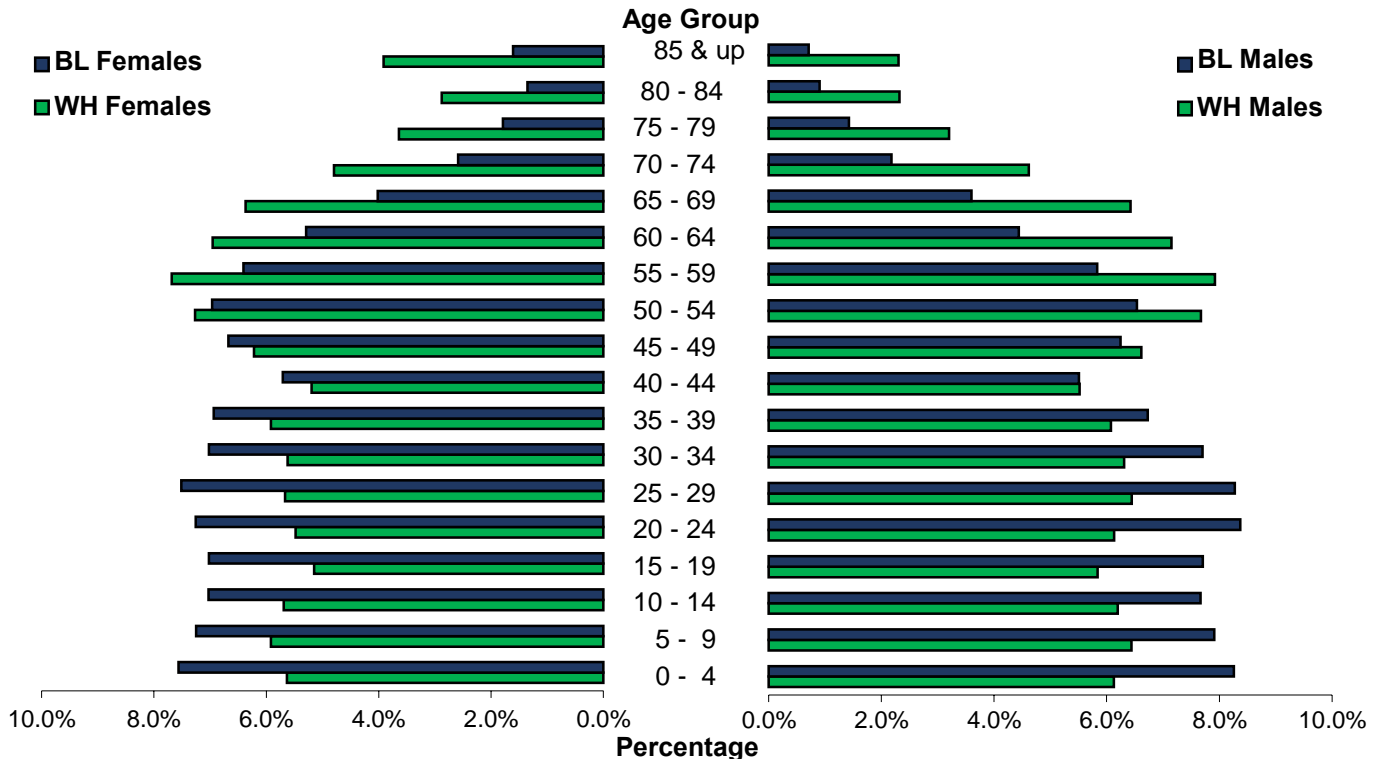
**Figure 3. Population by Gender and Age, Delaware, 2016**



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

When the population was broken down by race, the highest proportion of females in the older age groups appeared in the white population. However, both black males and females had a greater percentage of their population in the 0-39 year age range than white males and females. In the 50 and above age range for both males and females, whites made up a greater proportion of the population.

**Figure 4. Population by Gender and Race, Delaware, 2016**



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

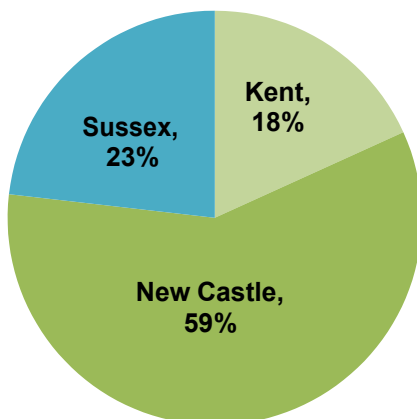
## POPULATION

Delaware's three counties continued their increasing population trend, though they grew at different rates. Between 2000 and 2016, county populations grew annually by 2.3 percent for Kent, 0.7 percent for New Castle, and 2.5 percent for Sussex. Delaware's statewide increase was 1.3 percent.

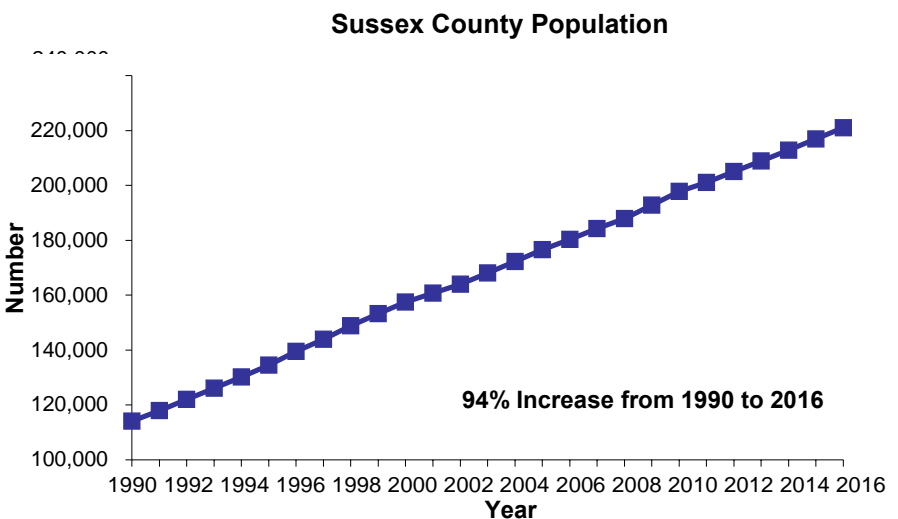
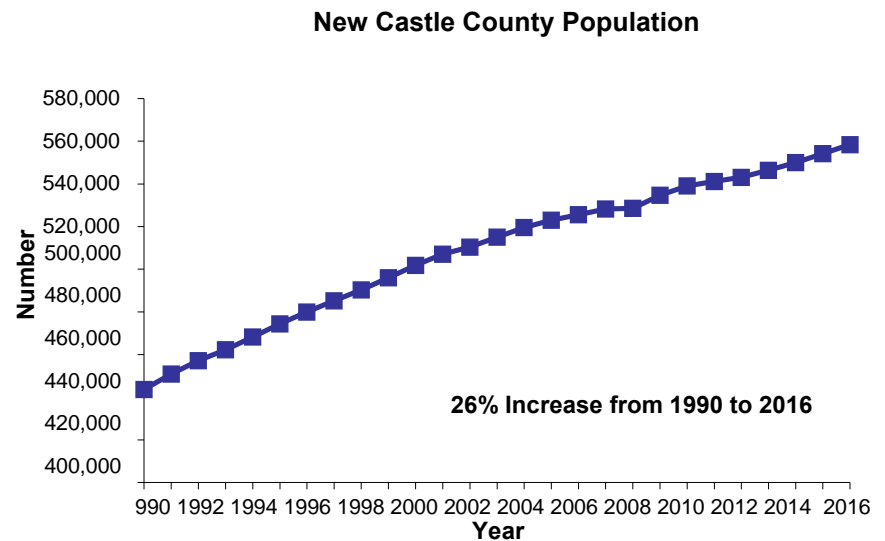
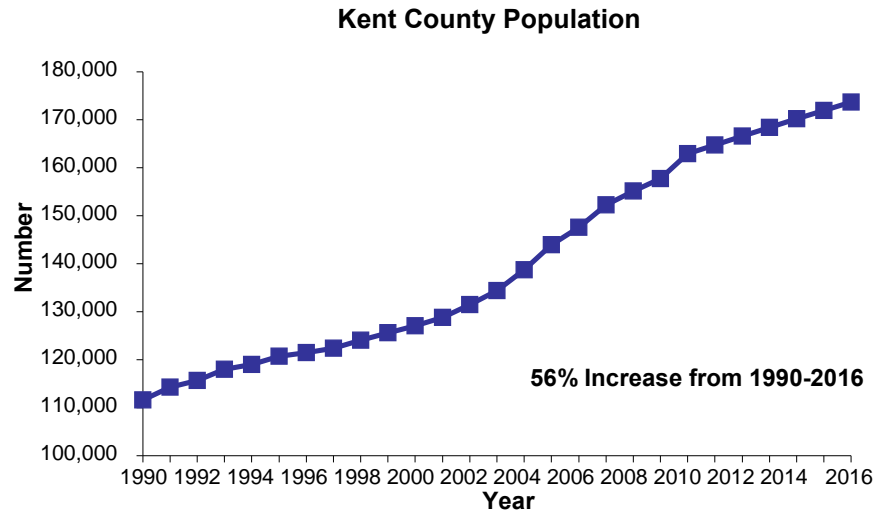
In 2016, just over half of Delaware's 65 and older population resided in New Castle County. However, residents 65 and older represented a much larger proportion of the Sussex County population, where one in four residents was 65 or older, versus New Castle and Kent counties, where approximately one in seven residents was 65 or older.

Over half of Delaware's total population resides in New Castle County.

**Figure 6. Percent of Population by County, Delaware, 2016**



**Figure 5. Delaware Resident Population by County, 1990-2016**



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

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

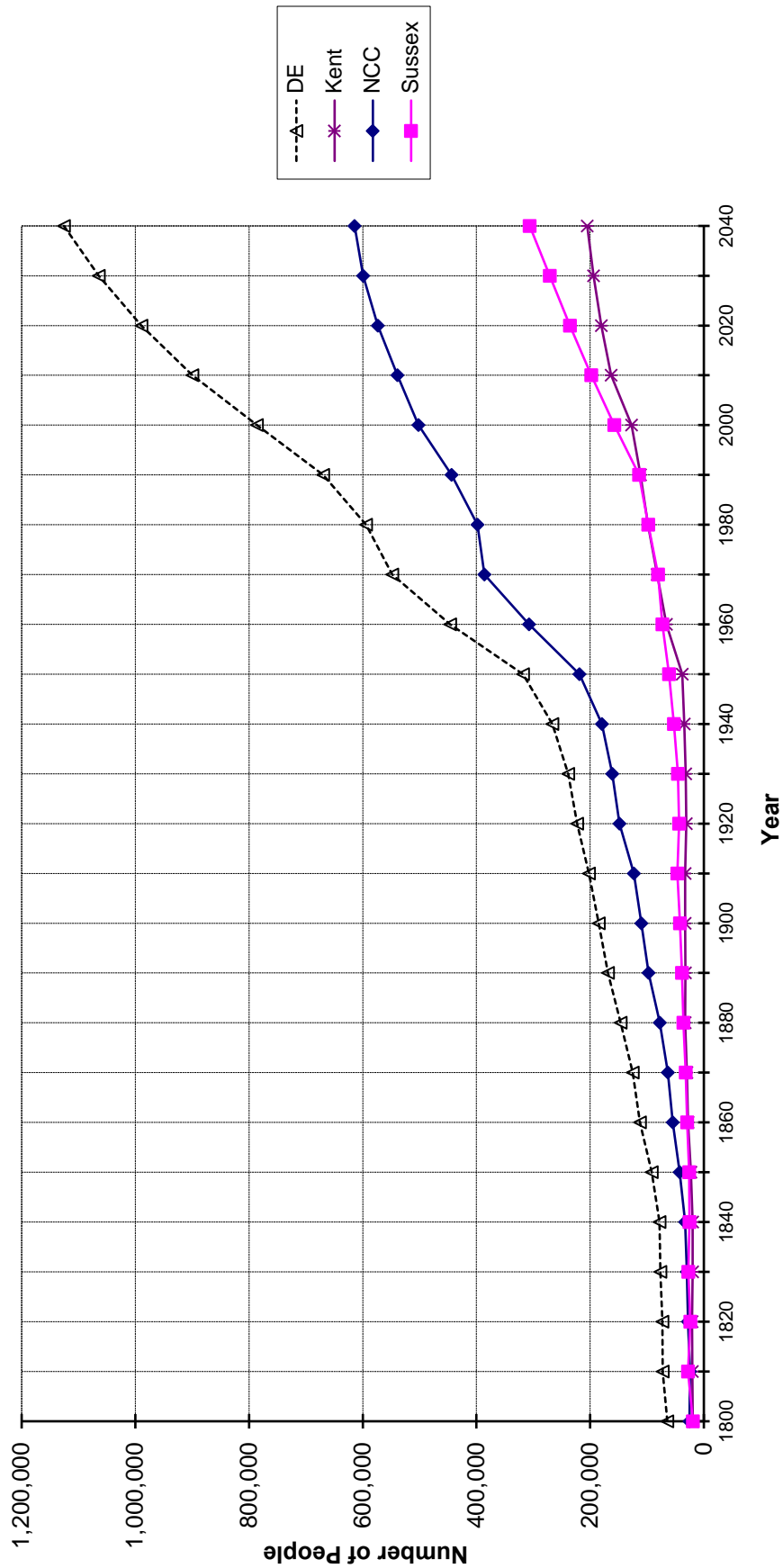
**TABLE A-1. PERCENT CHANGE IN POPULATION BY SEX, COUNTY, CITY OF DOVER, CITY OF NEWARK, AND CITY OF WILMINGTON, DELAWARE, 1970-2020**

Area/ Sex	1970	1980	% Change 1970-1980	1990	% Change 1980-1990	2000	% Change 1990-2000	2010	% Change 2000-2010	2020*	% Change 2010-2020	% Change 2000-2020
<b>Delaware</b>												
Male	548,104	594,338	8.4	666,168	12.1	786,393	18.0	899,773	14.4	952,986	5.9	21.2
Female	267,332	286,599	7.2	322,966	12.7	381,690	18.2	437,346	14.6	463,657	6.0	21.5
	280,772	307,739	9.6	343,202	11.5	404,703	17.9	462,427	14.3	489,329	5.8	20.9
<b>Kent</b>												
Male	81,892	98,219	19.9	110,993	13.0	127,230	14.6	162,916	28.0	173,668	6.6	36.5
Female	41,337	48,254	16.7	54,300	12.5	61,325	12.9	78,394	27.8	83,539	6.6	36.2
	40,555	49,965	23.2	56,693	13.5	65,905	16.2	84,522	28.2	90,129	6.6	36.8
<b>Dover</b>												
Male	17,488	23,512	34.4	27,630	17.5	32,135	16.3	36,063	12.2	40,475	12.2	26.0
Female	8,319	11,695	40.6	13,408	14.6	15,114	12.7	16,798	11.1	18,606	10.8	23.1
	9,169	11,817	28.9	14,222	20.4	17,021	19.7	19,266	13.2	21,869	13.5	28.5
<b>New Castle</b>												
Male	385,856	398,115	3.2	441,946	11.0	501,846	13.6	538,987	7.4	558,345	3.6	11.3
Female	187,124	191,176	2.2	213,869	11.9	243,587	13.9	262,091	7.6	271,644	3.6	11.5
	198,732	206,939	4.1	228,077	10.2	258,259	13.2	276,896	7.2	286,701	3.5	11.0
<b>Newark</b>												
Male	20,757	25,247	21.6	26,463	4.8	28,457	7.5	31,465	10.6	34,790	10.6	22.3
Female	10,242	11,993	17.1	12,408	3.5	13,085	5.5	14,695	12.3	16,251	10.6	24.2
	10,515	13,254	26.0	14,055	6.0	15,372	9.4	16,770	9.1	18,539	10.5	20.6
<b>Wilmington</b>												
Male	80,386	70,195	-12.7	71,529	1.9	72,730	1.7	70,839	-2.6	70,119	-1.0	-3.6
Female	36,968	31,458	-14.9	33,249	5.7	34,759	4.5	34,568	-0.5	34,540	-0.1	-0.6
	43,418	38,737	-10.8	38,280	-1.2	37,971	-0.8	36,271	-4.5	35,579	-1.9	-6.3
<b>Sussex</b>												
Male	80,356	98,004	22.0	113,229	15.5	157,317	38.9	197,870	25.8	220,973	11.7	40.5
Female	38,871	47,169	21.3	54,797	16.2	76,778	40.1	96,861	26.2	108,474	12.0	41.3
	41,485	50,835	22.5	58,432	14.9	80,539	37.8	101,009	25.4	112,499	11.4	39.7

Note:  
\*Numbers for this year are projections.

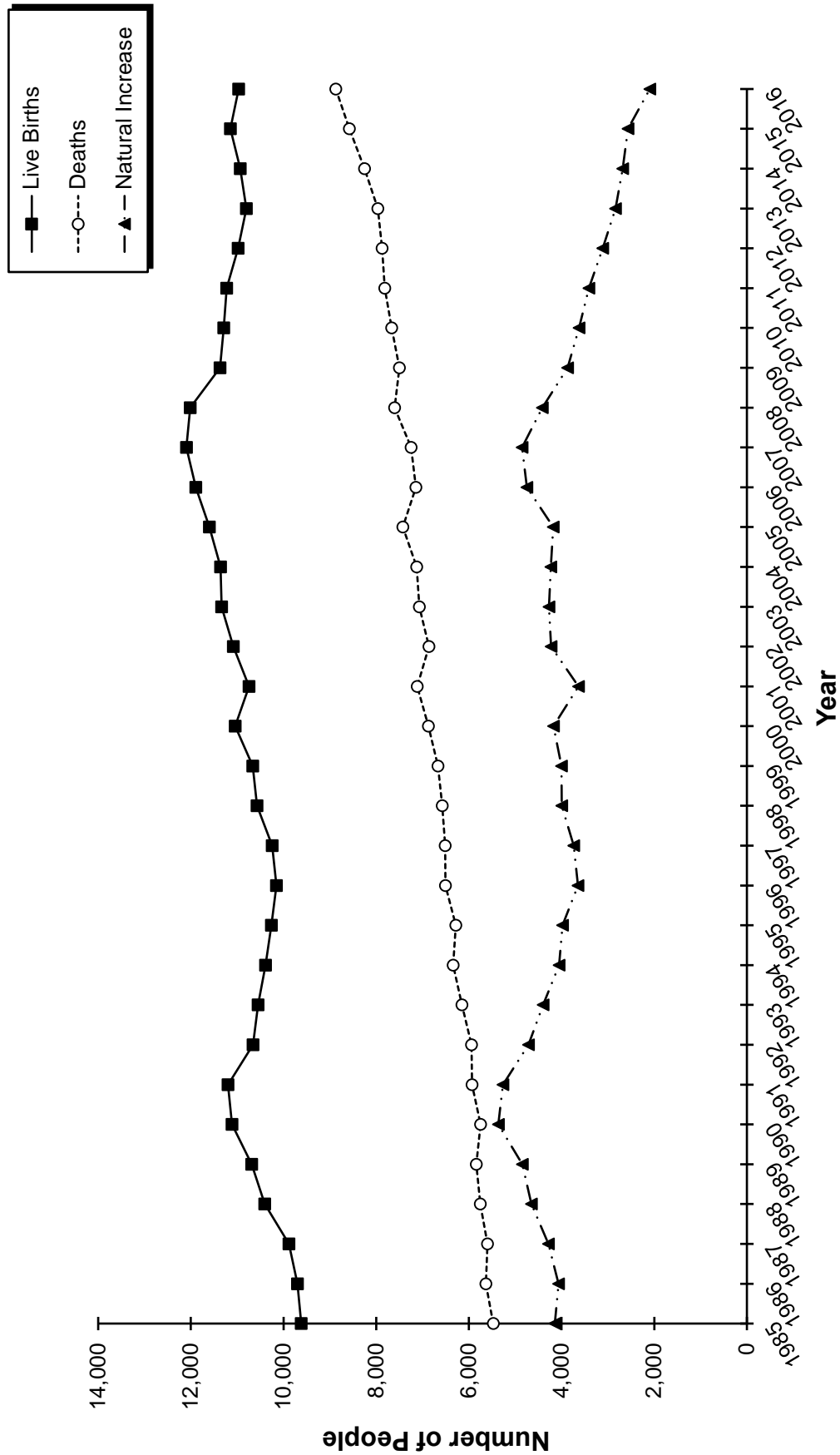
Sources:  
Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
Delaware Population Consortium  
U.S. Bureau of the Census

**Figure A-1. Population Growth, Delaware and Counties, 1800-2040**



Sources: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
Delaware Population Consortium

**Figure A-2. Live Births, Deaths, and Natural Increase, Delaware, 1985-2016**



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



**TABLE A-2. POPULATION ESTIMATES BY SEX, RACE, AGE, COUNTY, CITY OF DOVER, CITY OF NEWARK, AND CITY OF WILMINGTON, DELAWARE, 2016**

Area/ Sex/Race	Age																	
	Total	0-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84
<b>Delaware</b>	952,986	59,033	60,778	60,613	58,379	61,010	62,120	60,015	59,777	53,508	61,266	67,949	67,755	59,408	52,382	37,541	27,184	20,380
Male	463,657	29,471	30,353	30,348	29,695	31,271	31,627	30,348	29,186	26,447	29,922	33,079	32,557	28,228	24,850	17,403	12,040	8,574
White	326,217	19,353	20,329	19,564	18,431	19,365	20,355	19,914	19,188	17,433	20,895	24,227	25,010	22,565	20,272	14,586	10,119	7,336
Black	101,589	8,390	8,038	7,788	7,828	8,501	8,407	7,822	6,839	5,598	6,345	6,641	5,925	4,511	3,658	2,215	1,447	916
Female	489,329	29,562	30,425	30,265	28,684	29,739	30,493	29,667	30,591	27,061	31,344	34,870	35,198	31,180	27,532	20,138	15,144	11,806
White	344,036	19,383	20,360	19,582	17,723	18,861	19,506	19,332	20,365	17,864	21,402	25,011	26,426	23,931	21,910	16,505	12,526	9,888
Black	111,785	8,457	8,108	7,856	7,848	8,112	8,399	7,853	7,758	6,380	7,460	7,786	7,164	5,917	4,486	2,891	2,003	1,512
<b>Kent</b>	173,668	11,646	11,729	11,441	11,510	11,927	12,571	11,999	11,504	9,751	10,829	12,469	11,853	9,713	8,274	5,847	4,347	3,174
Male	83,539	5,815	5,854	5,708	5,770	6,127	6,341	5,936	5,577	4,591	5,233	5,934	5,632	4,468	3,879	2,621	1,810	1,283
White	57,778	3,999	4,022	3,849	3,759	3,975	4,167	3,857	3,436	3,143	3,709	4,302	4,186	3,359	2,894	2,054	1,379	962
Black	20,749	1,620	1,632	1,580	1,590	1,763	1,757	1,763	1,726	1,019	1,157	1,198	1,073	888	788	458	331	236
Female	90,129	5,831	5,875	5,733	5,740	5,800	6,230	6,063	5,927	5,160	5,596	6,535	6,221	5,245	4,395	3,226	2,537	1,891
White	61,316	4,000	4,025	3,852	3,667	3,809	4,122	3,944	3,360	3,371	3,837	4,608	4,444	3,716	3,183	2,431	1,921	1,409
Black	23,067	1,634	1,649	1,600	1,660	1,603	1,714	1,785	2,194	1,307	1,321	1,446	1,376	1,167	895	592	428	336
<b>New Castle</b>	558,345	34,327	36,162	36,516	35,935	37,700	37,680	35,920	38,232	33,624	38,308	40,304	38,759	32,898	27,998	19,261	13,211	9,647
Male	271,644	17,121	18,040	18,237	18,330	19,255	19,287	18,167	18,410	16,783	18,662	19,785	18,618	15,577	13,047	8,727	5,820	3,910
White	180,087	10,181	11,200	11,338	10,887	11,356	11,804	11,410	12,091	10,614	12,413	13,729	13,533	11,733	9,999	6,806	4,570	3,153
Black	67,748	5,627	5,302	5,149	5,210	5,644	5,545	4,992	4,268	3,918	4,448	4,600	4,073	3,082	2,462	1,502	938	558
Female	286,701	17,206	18,122	18,279	18,445	18,445	18,393	17,753	19,822	16,841	19,646	20,519	20,141	17,321	14,951	10,534	7,391	5,737
White	189,727	10,220	11,253	11,392	10,385	11,116	11,057	10,976	13,427	10,551	12,555	13,793	14,242	12,474	11,175	8,143	5,741	4,562
Black	74,643	5,679	5,351	5,190	5,199	5,473	5,549	5,019	4,731	4,427	5,316	5,418	4,885	4,015	3,060	1,930	1,296	961
Wilmington*	70,119	5,463	5,125	4,832	4,183	4,940	5,795	5,541	4,798	4,528	4,482	4,361	4,157	3,615	3,029	1,969	1,319	930
Male	34,540	2,789	2,630	2,482	2,174	2,558	2,917	2,825	2,477	2,386	2,280	2,225	1,979	1,675	1,323	794	473	299
White	12,290	766	728	720	552	706	1,117	1,158	931	1,062	855	763	743	675	577	398	229	152
Black	19,385	1,768	1,684	1,570	1,411	1,568	1,498	1,369	1,273	1,128	1,252	1,331	1,143	922	666	354	221	136
Female	35,579	2,674	2,495	2,350	2,009	2,382	2,878	2,716	2,321	2,142	2,202	2,136	2,178	1,940	1,706	1,175	846	631
White	11,846	720	660	614	446	592	977	962	746	837	681	620	719	751	751	584	406	295
Black	21,110	1,711	1,628	1,559	1,405	1,542	1,626	1,470	1,383	1,143	1,357	1,393	1,358	1,098	877	544	404	314
<b>Sussex</b>	220,973	13,060	12,887	12,656	10,934	11,383	11,869	12,096	10,041	10,133	12,129	15,176	17,143	16,797	16,110	12,433	9,626	7,559
Male	108,474	6,535	6,459	6,403	5,595	5,889	5,999	6,245	5,199	5,073	6,027	7,360	8,307	8,183	7,924	6,055	4,410	3,381
White	88,352	5,173	5,107	4,377	3,785	4,034	4,384	4,647	3,661	3,676	4,773	6,196	7,291	7,473	7,379	5,726	4,170	3,221
Black	13,092	1,143	1,104	1,059	1,028	1,094	1,105	1,067	845	661	740	843	779	541	408	255	178	122
Female	112,499	6,525	6,428	6,253	5,339	5,494	5,870	5,851	4,842	5,060	6,102	7,816	8,836	8,614	8,186	6,378	5,216	4,178
White	92,993	5,163	5,082	4,338	3,671	3,936	4,327	4,412	3,578	3,942	5,010	6,610	7,740	7,741	7,552	5,931	4,864	3,917
Black	14,075	1,144	1,108	1,066	989	1,036	1,136	1,049	833	646	823	922	903	735	531	369	279	215

Sources: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
Delaware Population Consortium

The background of the slide consists of several parallel, diagonal grey lines that run from the top-left towards the bottom-right. These lines are spaced evenly and create a textured, grid-like appearance.

# **Marriage & Divorce**

## MARRIAGE AND DIVORCE

There were 5,344 marriages and 2,932 divorces in Delaware in 2016. Over half of all divorces in 2016 were of marriages that lasted less than 10 years.

### Marriage

#### Male

Youngest: 18  
Oldest: 94

#### Female

Youngest: 16  
Oldest: 85

Marriage with the greatest age difference between bride and groom: 39 years.  
Most popular month to get married: October.

### Divorce

#### Male

Youngest: 17  
Oldest: 92

#### Female

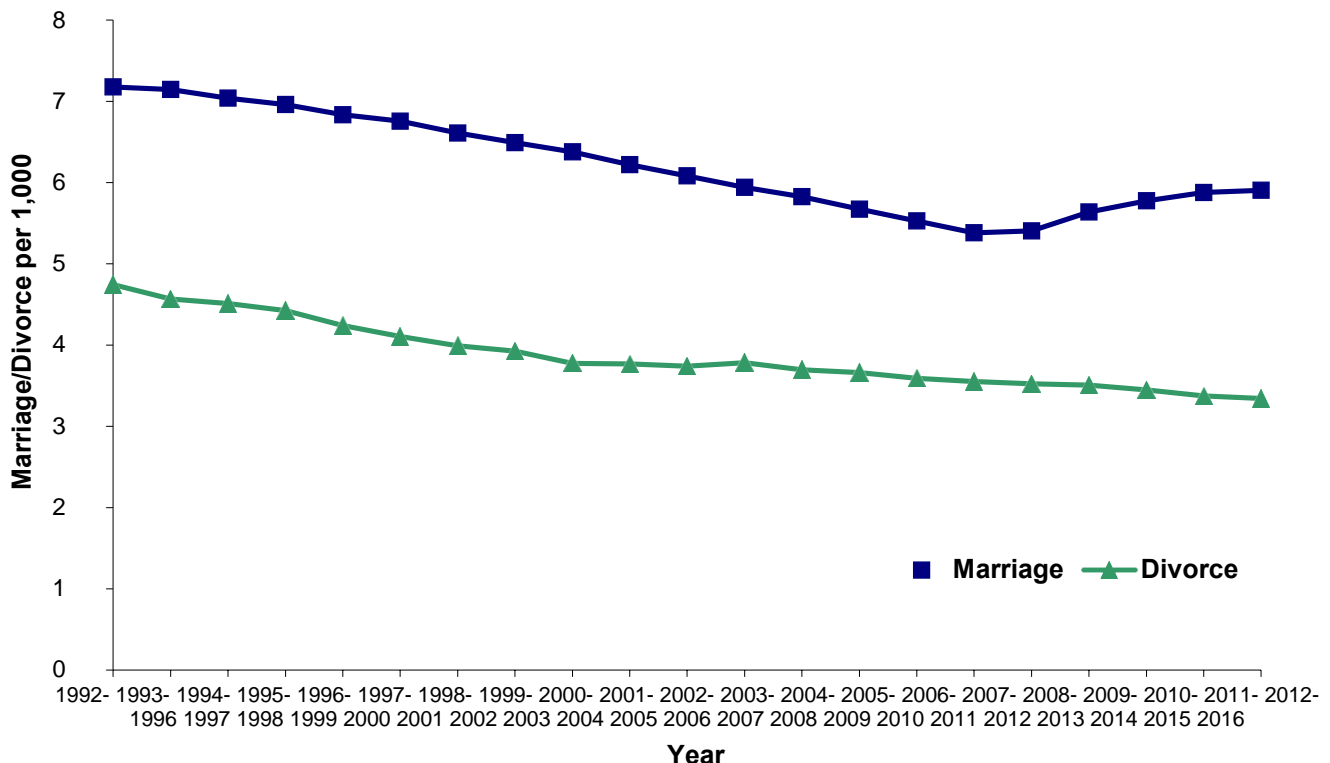
Youngest: 18  
Oldest: 84

Shortest duration of marriage: 86 days  
Longest duration of marriage: 62 years  
Median duration of marriage: 9 years  
Total children under 18 years of age: 2,673

Between 1991-1995 and 2012-2016, the five-year average marriage rate decreased from 7.3 to 5.9 marriages per 1,000 population.

Divorce rates remained fairly stable between 1991-1995 and 1992-1996. From 1992 to 1996, divorce rates declined 30 percent to 3.3 divorces per 1,000 population in 2012-2016.

**Figure 7. Five-year Average Marriage and Divorce Rates, per 1,000 Population, Delaware, 1992-2016**



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

**TABLE B-1. NUMBER OF MARRIAGES BY PLACE OF CEREMONY U.S., DELAWARE AND COUNTIES, 1996-2016**

Year	U.S.	Delaware	Kent	New Castle	Sussex
1996	2,344,000	5,209	980	3,081	1,148
1997	2,384,000	5,372	1,017	3,154	1,201
1998	2,244,000	5,023	937	2,951	1,135
1999	2,358,000	5,188	929	3,011	1,248
2000	2,315,000	5,292	957	3,117	1,218
2001	2,326,000	5,279	963	3,118	1,198
2002	2,290,000	5,171	1,015	2,899	1,257
2003	2,245,000	4,923	923	2,784	1,216
2004	2,279,000	5,088	998	2,801	1,289
2005	2,249,000	5,018	973	2,726	1,319
2006	2,193,000	5,105	993	2,754	1,358
2007	2,197,000	4,970	944	2,670	1,356
2008	2,157,000	4,828	984	2,429	1,415
2009	2,080,000	4,772	930	2,491	1,351
2010	2,096,000	4,677	908	2,384	1,385
2011	2,118,000	4,727	927	2,421	1,379
2012	2,131,000	5,314	932	2,701	1,681
2013	2,081,301	6,086	972	3,007	2,107
2014	2,140,272	5,633	946	2,759	1,928
2015	2,221,579	5,404	887	2,688	1,829
2016	N/A	5,344	888	2,777	1,679

Note:

U.S. numbers are based on National Center for Health Statistics (NCHS) estimate.

Sources: National Center for Health Statistics

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

**TABLE B-2. FIVE-YEAR AVERAGE MARRIAGE RATES PER 1,000 POPULATION BY PLACE OF CEREMONY BY COUNTY, U.S., DELAWARE, 1996-2016**

Years	U.S.	Delaware	Kent	New Castle	Sussex
1996-2000	8.6	6.8	7.8	6.2	8.0
1997-2001	8.4	6.8	7.6	6.2	7.9
1998-2002	8.3	6.6	7.5	6.0	7.7
1999-2003	8.1	6.5	7.4	5.9	7.6
2000-2004	8.0	6.4	7.3	5.8	7.5
2001-2005	7.8	6.2	7.2	5.6	7.4
2002-2006	7.7	6.1	7.0	5.4	7.4
2003-2007	7.6	5.9	6.7	5.3	7.4
2004-2008	7.4	5.8	6.6	5.1	7.4
2005-2009	7.2	5.7	6.3	4.9	7.3
2006-2010	7.1	5.5	6.1	4.8	7.2
2007-2011	6.9	5.4	5.9	4.6	7.1
2008-2012	6.8	5.4	5.8	4.6	7.3
2009-2013	6.7	5.6	5.7	4.8	7.8
2010-2014	6.7	5.8	5.6	4.9	8.3
2011-2015	6.8	5.8	5.5	5.0	8.5
2012-2016	N/A	5.9	5.4	5.0	8.5

Note:

U.S. rates are based on NCHS estimate.

Sources: National Center for Health Statistics

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

**TABLE B-3. NUMBER AND PERCENT OF MARRIAGES RACE OF GROOM AND BRIDE, DELAWARE, 2016**

Race of Groom	Race of bride									
	White		Black		American Indian		Asian/Pacific Islander		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
White	3,529	91.6	75	7.7	4	12.1	69	42.9	89	27.1
Black	199	5.2	868	89.6	3	9.1	11	6.8	30	9.1
American Indian	9	0.2	1	0.1	25	75.8	0	0.0	0	0.0
Asian/Pacific Islander	23	0.6	3	0.3	0	0.0	76	47.2	2	0.6
Other/Unknown	92	2.4	22	2.3	1	3.0	5	3.1	208	63.2

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of marriages in each race of bride.

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

**TABLE B-4. NUMBER AND PERCENT OF MARRIAGES BY PREVIOUS MARITAL STATUS AND RACE OF BRIDE AND GROOM, DELAWARE, 2016**

Previous Marital Status	Race					
	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>						
Single	3,675	68.8	2,573	68.3	738	66.4
Widowed	69	1.3	51	1.4	15	1.4
Divorced	1,600	29.9	1,142	30.3	358	32.2
<b>Bride</b>						
Single	3,777	70.7	2,679	69.5	685	70.8
Widowed	77	1.4	60	1.6	15	1.5
Divorced	1,489	27.9	1,113	28.9	268	27.7

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of marriages in each race.
3. "All Races" includes "Other" and "Unknown" race categories.

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

**TABLE B-5. NUMBER AND PERCENT OF MARRIAGES BY MARRIAGE ORDER, TYPE OF CEREMONY, AND RACE OF BRIDE AND GROOM, DELAWARE, 2016**

Marriage Order	Type of Ceremony	Race					
		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>							
First Marriage	Civil	2,694	73.3	2,024	78.7	436	59.1
	Religious	981	26.7	549	21.3	302	40.9
Remarriage	Civil	1,177	70.5	895	75.0	229	61.4
	Religious	492	29.5	298	25.0	144	38.6
<b>Bride</b>							
First Marriage	Civil	2,763	73.2	2,112	78.8	389	56.8
	Religious	1,014	26.8	567	21.2	296	43.2
Remarriage	Civil	1,108	70.8	884	75.4	174	61.5
	Religious	458	29.2	289	24.6	109	38.5

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of marriages in each marriage order category and race.
3. "All Races" includes "Other" and "Unknown" race categories.

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

**TABLE B-6. MEDIAN AND MEAN AGE OF BRIDE AND GROOM BY MARRIAGE ORDER AND RACE, DELAWARE, 2016**

Marriage Order	Race					
	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Groom</b>						
First Marriage	30	32	29	31	31	33
Remarriage	47	48	48	48	47	48
<b>Bride</b>						
First Marriage	28	30	28	30	30	32
Remarriage	44	45	45	46	45	45

*Note:*

"All Races" includes "Other" and "Unknown" race categories.

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

**TABLE B-7. NUMBER AND PERCENT OF MARRIAGES BY MARRIAGE ORDER, AGE, AND RACE OF BRIDE AND GROOM, DELAWARE, 2016**

Marriage Order	Age	Race					
		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>							
All Marriages	<20	33	0.6	26	0.7	4	0.4
	20-29	1,858	34.8	1,354	36.0	310	27.9
	30-39	1,726	32.3	1,198	31.8	361	32.5
	40-49	821	15.4	517	13.7	228	20.5
	50-64	727	13.6	526	14.0	179	16.1
	65+	179	3.3	145	3.9	29	2.6
	Unk	0	0.0	0	0.0	0	0.0
First Marriage	<20	33	0.9	26	1.0	4	0.5
	20-29	1,786	48.6	1,304	50.7	295	40.0
	30-39	1,312	35.7	902	35.1	280	37.9
	40-49	335	9.1	193	7.5	104	14.1
	50-64	180	4.9	125	4.9	51	6.9
	65+	29	0.8	23	0.9	4	0.5
	Unk	0	0.0	0	0.0	0	0.0
Remarriage	<20	0	0.0	0	0.0	0	0.0
	20-29	72	4.3	50	4.2	15	4.0
	30-39	414	24.8	296	24.8	81	21.7
	40-49	486	29.1	324	27.2	124	33.2
	50-64	547	32.8	401	33.6	128	34.3
	65+	150	9.0	122	10.2	25	6.7
	Unk	0	0.0	0	0.0	0	0.0
<b>Bride</b>							
All Marriages	<20	101	1.9	77	2.0	10	1.0
	20-29	2,240	41.9	1,665	43.2	330	34.1
	30-39	1,557	29.1	1,076	27.9	310	32.0
	40-49	728	13.6	490	12.7	173	17.9
	50-64	597	11.2	446	11.6	126	13.0
	65+	120	2.2	98	2.5	19	2.0
	Unk	0	0.0	0	0.0	0	0.0
First Marriage	<20	101	2.7	77	2.9	10	1.5
	20-29	2,124	56.2	1,575	58.8	315	46.0
	30-39	1,109	29.4	752	28.1	230	33.6
	40-49	265	7.0	157	5.9	80	11.7
	50-64	159	4.2	102	3.8	48	7.0
	65+	19	0.5	16	0.6	2	0.3
	Unk	0	0.0	0	0.0	0	0.0
Remarriage	<20	0	0.0	0	0.0	0	0.0
	20-29	116	7.4	90	7.7	15	5.3
	30-39	448	28.6	324	27.6	80	28.3
	40-49	463	29.6	333	28.4	93	32.9
	50-64	438	28.0	344	29.3	78	27.6
	65+	101	6.4	82	7.0	17	6.0
	Unk	0	0.0	0	0.0	0	0.0

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of marriages in each marriage order category and race.
3. "All Races" includes "Other" and "Unknown" race categories.
4. "All Marriages" includes unknown number of this marriage.

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

**TABLE B-8. NUMBER OF MARRIAGES BY MARRIAGE ORDER AND AGE OF BRIDE, BY MARRIAGE ORDER AND AGE OF GROOM, DELAWARE, 2016**

Marriage Order of Groom	Age of Groom \ Age of Bride	Marriage Order of Bride														
		First Marriage						Remarriage								
		<20	20-29	30-39	40-49	50-64	65+	Unk	<20	20-29	30-39	40-49	50-64	65+	Unk	
First Marriage	<20	25	8	0	0	0	0	0	0	0	0	0	0	0	0	0
	20-29	68	1,439	159	9	1	0	0	0	53	48	8	1	0	0	0
	30-39	5	482	588	40	1	1	0	29	131	29	29	6	0	0	0
	40-49	0	22	107	79	18	0	0	2	36	50	20	20	1	0	0
	50-64	0	3	16	32	57	4	0	0	4	20	39	39	5	0	0
	65+	0	0	0	0	10	9	0	0	0	0	1	5	4	0	0
Remarriage	Unk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	<20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20-29	1	40	8	0	0	0	0	8	15	0	0	0	0	0	0
	30-39	1	98	124	15	0	0	0	20	116	35	35	4	0	0	0
	40-49	1	25	86	47	14	1	0	3	80	197	120	32	0	0	0
	50-64	0	7	20	39	47	2	0	1	18	120	277	277	16	0	0
Unk	65+	0	0	1	4	11	2	0	0	0	3	54	75	0	0	0
	Unk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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



**TABLE B-9. NUMBER AND PERCENT OF MARRIAGES BY MONTH OF CEREMONY, DELAWARE, 2016**

Month	Number	Percent
January	224	4.2
February	226	4.2
March	258	4.8
April	414	7.7
May	530	9.9
June	610	11.4
July	532	10.0
August	456	8.5
September	634	11.9
October	735	13.8
November	358	6.7
December	367	6.9
Total	5,344	100.0

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of marriages.

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

**TABLE B-10. NUMBER AND PERCENT OF MARRIAGES BY DAY OF WEEK CEREMONY PERFORMED, DELAWARE, 2016**

Day	Number	Percent
Sunday	435	8.1
Monday	263	4.9
Tuesday	242	4.5
Wednesday	712	13.3
Thursday	286	5.4
Friday	857	16.0
Saturday	2,549	47.7
Total	5,344	100.0

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of marriages.

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

**TABLE B-11. NUMBER OF DIVORCES/ANNULMENTS\* BY PLACE OF DECREE BY COUNTY, DELAWARE, 1996-2016**

Year	Delaware	Kent	New Castle	Sussex
1996	3,405	712	1,970	723
1997	3,009	647	1,700	662
1998	3,233	652	1,984	597
1999	3,482	801	2,008	673
2000	3,060	674	1,808	578
2001	3,114	666	1,657	791
2002	2,792	714	1,392	686
2003	3,178	673	1,834	671
2004	3,108	701	1,744	663
2005	3,250	708	1,753	789
2006	3,239	673	1,836	730
2007	3,215	721	1,771	723
2008	3,057	704	1,753	600
2009	3,169	694	1,795	680
2010	3,152	690	1,771	691
2011	3,230	706	1,766	758
2012	3,239	742	1,843	654
2013	3,133	729	1,607	797
2014	3,047	659	1,717	671
2015	2,954	632	1,590	732
2016	2,932	676	1,637	619

Note:

\*Annulments represent less than 0.3% of the totals.

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

**TABLE B-12. FIVE-YEAR AVERAGE DIVORCE/ANNULMENT\* RATES PER 1,000 POPULATION BY PLACE OF DECREE, BY COUNTY, DELAWARE, 1996-2016**

Years	Delaware	Kent	New Castle	Sussex
1996-2000	4.2	5.6	3.9	4.4
1997-2001	4.1	5.5	3.7	4.3
1998-2002	4.0	5.5	3.5	4.2
1999-2003	3.9	5.4	3.4	4.2
2000-2004	3.8	5.2	3.3	4.1
2001-2005	3.8	5.1	3.3	4.3
2002-2006	3.7	5.0	3.3	4.1
2003-2007	3.8	4.8	3.4	4.0
2004-2008	3.7	4.7	3.4	3.8
2005-2009	3.7	4.6	3.4	3.8
2006-2010	3.6	4.4	3.3	3.6
2007-2011	3.6	4.4	3.3	3.5
2008-2012	3.5	4.4	3.3	3.4
2009-2013	3.5	4.3	3.2	3.6
2010-2014	3.5	4.2	3.2	3.5
2011-2015	3.3	4.1	3.1	3.5
2012-2016	3.3	4.0	3.0	3.2

Note:

\*Annulments represent less than 0.3% of the totals.

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

**TABLE B-13. NUMBER OF DIVORCES/ANNULMENTS\* BY RACE OF WIFE AND RACE OF HUSBAND, DELAWARE, 2016**

Race of Husband	Race of Wife								
	White	Black	American Indian	Chinese	Hawaiian	Filipino	Other Asian	Other Race	Not Classifiable
White	1,709	27	6	6	1	9	12	34	12
Black	74	658	8	1	1	4	2	28	20
American Indian	9	4	0	0	0	0	0	0	0
Chinese	2	0	0	7	0	0	0	1	0
Hawaiian	3	3	0	0	0	0	0	0	0
Filipino	2	1	0	0	0	4	0	1	0
Other Asian	13	1	0	4	0	0	27	2	0
Other Race	41	13	0	0	0	2	1	92	4
Not Classifiable	16	10	0	0	0	1	2	2	52

Notes:

\*Annulments represent less than 0.3% of the totals.

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

**TABLE B-14. MEAN AND MEDIAN AGE OF HUSBAND AND WIFE AT TIME OF DIVORCE DECREE BY NUMBER OF THIS MARRIAGE AND RACE OF HUSBAND AND WIFE, DELAWARE, 2016**

Number of Marriage	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	43	44	44	44	44	44
First Marriage	39	41	40	41	40	41
Second Marriage	49	49	49	50	49	50
Third Marriage+	56	55	56	55	56	55
Not Stated	45	45	41	45	47	47
<b>Wife</b>						
All Marriages	41	42	41	42	41	42
First Marriage	37	39	37	39	39	39
Second Marriage	46	47	46	47	47	47
Third Marriage+	52	52	52	52	51	52
Not Stated	41	42	41	43	43	43

Notes:

1. See Definitions Section for explanation of the mean and median.
2. "All Races" includes "Other" and "Unknown" race categories.
3. "All Marriages" includes unknown number of this marriage.

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

**TABLE B-15. NUMBER AND PERCENT OF DIVORCES/ANNULMENTS\* BY MARRIAGE ORDER, AGE OF HUSBAND AND WIFE AT TIME OF DIVORCE DECREE, AND RACE OF HUSBAND AND WIFE, DELAWARE, 2016**

Marriage Order	Age	Husband's Race				Wife's Race							
		All Races		White		Black		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Marriages	<20	3	0.1	2	0.1	1	0.1	3	0.1	2	0.1	0	0.0
	20-29	314	10.7	197	10.8	73	9.2	429	14.6	274	14.7	92	12.8
	30-39	810	27.6	497	27.4	210	26.4	905	30.9	572	30.6	210	29.3
	40-49	850	29.0	515	28.4	239	30.0	832	28.4	527	28.2	218	30.4
	50-64	747	25.5	490	27.0	198	24.9	601	20.5	400	21.4	147	20.5
	65+	140	4.8	93	5.1	41	5.2	90	3.1	66	3.5	19	2.6
	Unk	68	2.3	22	1.2	34	4.3	72	2.5	28	1.5	31	4.3
	<20	3	0.2	2	0.2	1	0.2	2	0.1	2	0.2	0	0.0
	20-29	286	14.7	181	15.0	66	13.0	387	20.2	252	20.6	77	16.7
	30-39	662	34.1	403	33.3	172	33.9	697	36.3	447	36.5	161	34.8
	40-49	557	28.7	348	28.8	152	29.9	504	26.3	307	25.0	145	31.4
	50-64	353	18.2	235	19.4	86	16.9	257	13.4	178	14.5	54	11.7
	65+	39	2.0	25	2.1	10	2.0	30	1.6	23	1.9	6	1.3
Unk	43	2.2	15	1.2	21	4.1	42	2.2	17	1.4	19	4.1	
<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	14	2.1	11	2.6	1	0.6	17	2.8	9	2.2	6	4.3	
30-39	102	15.6	69	16.2	25	14.1	145	23.8	93	22.9	35	25.2	
40-49	222	33.9	132	31.1	62	35.0	213	35.0	154	37.8	38	27.3	
50-64	244	37.3	166	39.1	65	36.7	198	32.6	130	31.9	50	36.0	
65+	59	9.0	43	10.1	15	8.5	29	4.8	18	4.4	8	5.8	
Unk	14	2.1	4	0.9	9	5.1	6	1.0	3	0.7	2	1.4	
<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	2	0.9	1	0.7	0	0.0	1	0.4	1	0.6	0	0.0	
30-39	16	7.5	10	7.1	5	8.2	18	7.7	14	8.2	2	3.8	
40-49	43	20.2	28	20.0	12	19.7	75	31.9	53	31.2	17	32.7	
50-64	115	54.0	77	55.0	32	52.5	109	46.4	75	44.1	28	53.8	
65+	32	15.0	21	15.0	10	16.4	28	11.9	24	14.1	4	7.7	
Unk	5	2.3	3	2.1	2	3.3	4	1.7	3	1.8	1	1.9	
<20	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0	0	0.0	
20-29	12	9.9	4	9.5	6	12.0	24	14.1	12	18.2	9	14.1	
30-39	30	24.8	15	35.7	8	16.0	45	26.5	18	27.3	12	18.8	
40-49	28	23.1	7	16.7	13	26.0	40	23.5	13	19.7	18	28.1	
50-64	35	28.9	12	28.6	15	30.0	37	21.8	17	25.8	15	23.4	
65+	10	8.3	4	9.5	6	12.0	3	1.8	1	1.5	1	1.6	
Unk	6	5.0	0	0.0	2	4.0	20	11.8	5	7.6	9	14.1	

**Notes:**

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of divorces in each marriage order category and race.
3. "All Races" includes "Other" and "Unknown" race categories.
4. "All Marriages" includes unknown number of this marriage.

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

**TABLE B-16. MEDIAN AND MEAN DURATION OF MARRIAGE IN YEARS AT TIME OF DIVORCE DECREE BY NUMBER OF THIS MARRIAGE AND RACE OF HUSBAND AND WIFE, DELAWARE, 2016**

Number of Marriage	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	9.2	12.0	10.3	12.8	7.6	10.2
First Marriage	9.9	12.7	10.9	13.8	8.1	10.5
Second Marriage	8.5	11.0	9.5	11.6	7.3	10.0
Third Marriage+	7.4	9.2	8.0	9.6	5.8	8.4
Not Stated	6.2	9.9	5.7	8.7	5.9	9.5
<b>Wife</b>						
All Marriages	9.2	12.0	9.7	12.2	7.5	9.7
First Marriage	9.9	12.8	10.6	13.7	8.7	10.9
Second Marriage	8.7	10.9	10.0	11.3	7.2	10.3
Third Marriage+	6.4	9.0	7.9	10.0	4.4	6.0
Not Stated	7.2	10.8	9.1	11.5	5.6	9.9

*Notes:*

1. See Definitions Section for explanation of the mean and median.
2. "All Races" includes "Other" and "Unknown" race categories.
3. "All Marriages" includes unknown number of this marriage.

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

**TABLE B-17. NUMBER AND PERCENT OF DIVORCES/ANNULMENTS\* BY MARRIAGE ORDER, DURATION OF THIS MARRIAGE, AND RACE OF HUSBAND AND WIFE , DELAWARE, 2016**

Marriage Order	Duration of this Marriage	Husband's Race						Wife's Race					
		All Races		White		Black		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Marriages	<1	64	2.2	33	1.8	21	2.6	64	2.2	34	1.8	18	2.5
	1-4	700	23.9	392	21.6	225	28.3	700	23.9	400	21.4	207	28.9
	5-9	765	26.1	460	25.3	230	28.9	765	26.1	479	25.6	199	27.8
	10-14	467	15.9	298	16.4	112	14.1	467	15.9	320	17.1	98	13.7
	15-19	357	12.2	243	13.4	86	10.8	357	12.2	243	13.0	84	11.7
	20-24	214	7.3	148	8.1	39	4.9	214	7.3	146	7.8	37	5.2
	25-29	140	4.8	102	5.6	27	3.4	140	4.8	98	5.2	27	3.8
	30+	169	5.8	125	6.9	26	3.3	169	5.8	131	7.0	23	3.2
Not Stated	56	1.9	15	0.8	30	3.8	56	1.9	18	1.0	24	3.3	
First Marriage	<1	33	1.7	19	1.6	11	2.2	30	1.6	17	1.4	7	1.5
	1-4	424	21.8	232	19.2	130	25.6	422	22.0	243	19.8	117	25.3
	5-9	503	25.9	309	25.6	147	28.9	497	25.9	320	26.1	125	27.1
	10-14	314	16.2	193	16.0	81	15.9	301	15.7	189	15.4	76	16.5
	15-19	245	12.6	161	13.3	61	12.0	239	12.5	157	12.8	61	13.2
	20-24	152	7.8	105	8.7	28	5.5	158	8.2	104	8.5	29	6.3
	25-29	107	5.5	80	6.6	17	3.3	106	5.5	77	6.3	18	3.9
	30+	134	6.9	104	8.6	16	3.1	136	7.1	110	9.0	14	3.0
Not Stated	31	1.6	6	0.5	17	3.3	30	1.6	9	0.7	15	3.2	
Second Marriage	<1	16	2.4	7	1.6	3	1.7	16	2.6	9	2.2	4	2.9
	1-4	182	27.8	109	25.6	60	33.9	154	25.3	94	23.1	42	30.2
	5-9	163	24.9	99	23.3	50	28.2	163	26.8	99	24.3	46	33.1
	10-14	107	16.3	75	17.6	21	11.9	113	18.6	89	21.9	15	10.8
	15-19	79	12.1	61	14.4	15	8.5	77	12.7	60	14.7	11	7.9
	20-24	43	6.6	31	7.3	10	5.6	32	5.3	23	5.7	6	4.3
	25-29	26	4.0	20	4.7	6	3.4	24	3.9	16	3.9	6	4.3
	30+	27	4.1	18	4.2	6	3.4	20	3.3	13	3.2	6	4.3
Not Stated	12	1.8	5	1.2	6	3.4	9	1.5	4	1.0	3	2.2	
Third Marriage and more	<1	7	3.3	4	2.9	3	4.9	11	4.7	7	4.1	3	5.8
	1-4	65	30.5	38	27.1	23	37.7	82	34.9	51	30.0	27	51.9
	5-9	62	29.1	40	28.6	18	29.5	55	23.4	39	22.9	13	25.0
	10-14	34	16.0	25	17.9	6	9.8	35	14.9	29	17.1	4	7.7
	15-19	24	11.3	18	12.9	5	8.2	24	10.2	19	11.2	3	5.8
	20-24	11	5.2	10	7.1	1	1.6	16	6.8	16	9.4	0	0.0
	25-29	4	1.9	1	0.7	3	4.9	3	1.3	2	1.2	1	1.9
	30+	3	1.4	2	1.4	1	1.6	5	2.1	5	2.9	0	0.0
Not Stated	3	1.4	2	1.4	1	1.6	4	1.7	2	1.2	1	1.9	
Not Stated	<1	8	6.6	3	7.1	4	8.0	7	3.0	1	1.5	4	6.3
	1-4	29	24.0	13	31.0	12	24.0	42	17.9	12	18.2	21	32.8
	5-9	37	30.6	12	28.6	15	30.0	50	21.3	21	31.8	15	23.4
	10-14	12	9.9	5	11.9	4	8.0	18	7.7	13	19.7	3	4.7
	15-19	9	7.4	3	7.1	5	10.0	17	7.2	7	10.6	9	14.1
	20-24	8	6.6	2	4.8	0	0.0	8	3.4	3	4.5	2	3.1
	25-29	3	2.5	1	2.4	1	2.0	7	3.0	3	4.5	2	3.1
	30+	5	4.1	1	2.4	3	6.0	8	3.4	3	4.5	3	4.7
Not Stated	10	8.3	2	4.8	6	12.0	13	5.5	3	4.5	5	7.8	

- Notes:
1. Percentages may not add to 100% due to rounding.
  2. Percentages are calculated based upon the total number of divorces in each marriage order category and race.
  3. "All Races" includes "Other" and "Unknown" race categories.
  4. "All Marriages" includes unknown number of this marriage.

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

**TABLE B-18. NUMBER AND PERCENT OF DIVORCES BY RACE OF HUSBAND AND WIFE AND NUMBER OF CHILDREN UNDER 18, DELAWARE, 2016**

Number of Children Under 18	Race							
	All Races		White		Black		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Husband</b>	2,673	100.0	1,673	100.0	713	100.0	287	100.0
None	1,324	49.5	808	48.3	381	53.4	135	47.0
1	598	22.4	385	23.0	144	20.2	69	24.0
2	517	19.3	339	20.3	119	16.7	59	20.6
3	167	6.2	106	6.3	46	6.5	15	5.2
4	50	1.9	27	1.6	17	2.4	6	2.1
5+	17	0.6	8	0.5	6	0.8	3	1.0
Unknown	-	0.0	0	0.0	0	0.0	0	0.0
<b>Wife</b>	2,673	100.0	1,730	100.0	638	100.0	305	100.0
None	1,324	49.5	832	48.1	352	55.2	140	45.9
1	598	22.4	401	23.2	119	18.7	78	25.6
2	517	19.3	349	20.2	108	16.9	60	19.7
3	167	6.2	107	6.2	42	6.6	18	5.9
4	50	1.9	32	1.8	11	1.7	7	2.3
5+	17	0.6	9	0.5	6	0.9	2	0.7
Unknown	-	0.0	0	0.0	0	0.0	0	0.0

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of divorces in each race category.
3. "All Races" includes "Other" and "Unknown" race categories.

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

The background of the slide is white with a pattern of diagonal gray lines. The lines are parallel and spaced evenly, creating a grid-like effect that is slightly offset from the center.

# **Live Births**

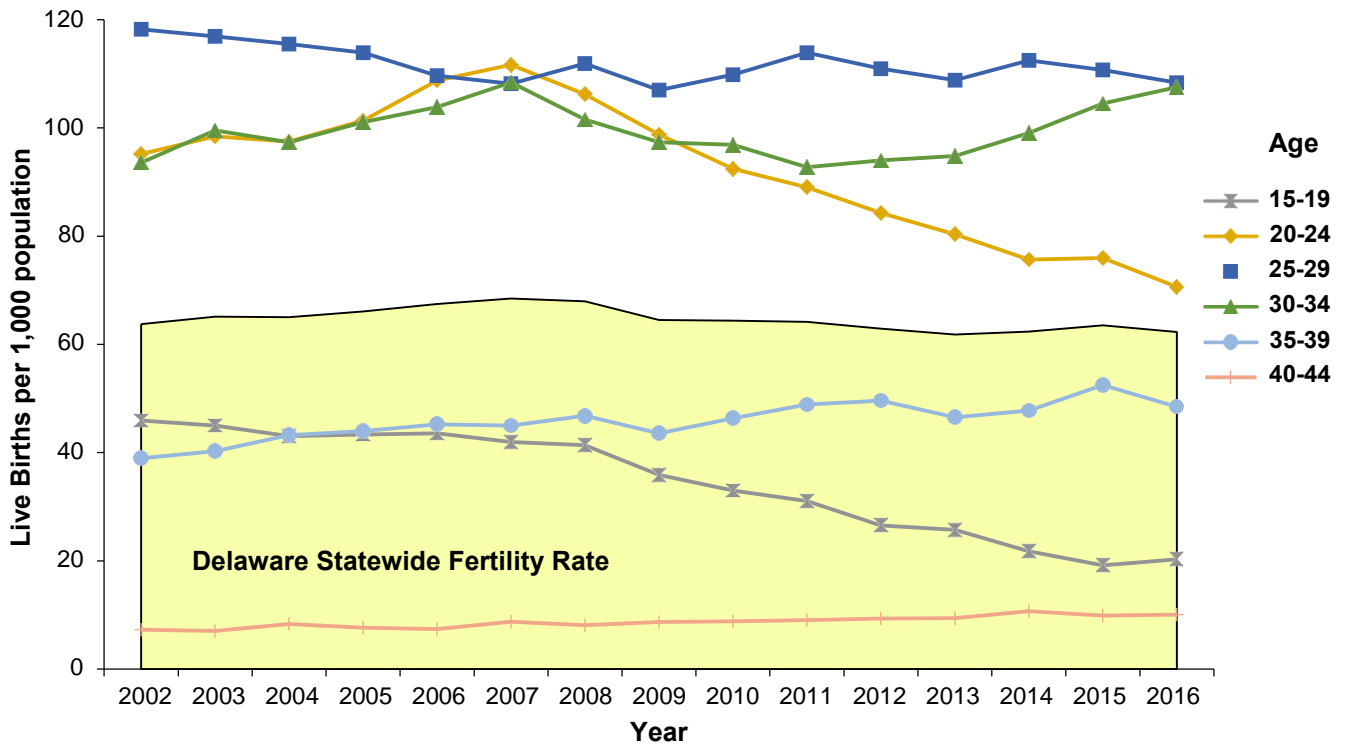


## LIVE BIRTHS

In 2016, there were 11,415 births in Delaware; 10,461 were to Delaware residents and 954 were to non-residents. Additionally 506 births to Delaware residents occurred out of state, for a total of 10,967 Delaware resident births, 178 fewer Delaware resident births than in 2015.

The recent national declines in general fertility and live birth rates were also apparent in Delaware statistics. From 2007 to 2016, the general fertility rate (number of births per 1,000 women ages 15-44 years) declined from a high of 68.5 to 62.3 births per 1,000 women aged 15-44. The birth rate of teens (15-19) exhibited the largest decline at 51.7 percent, followed by a 36.7 percent decrease for women ages 20-24. Although birth rates for women ages 30-34 years increased by 14.4 percent between 2012 and 2016, the 2016 birth rate remains lower than the 2007 rate. For women ages 35-39, the birth rate decreased 2.3 percent between 2012 and 2016, while for women ages 40-44, the birth rate increased 7.9 percent

**Figure 8. Annual Fertility and Age-Specific Live Birth Rates, Delaware, 2002-2016**



Note: Age unit is in years.

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

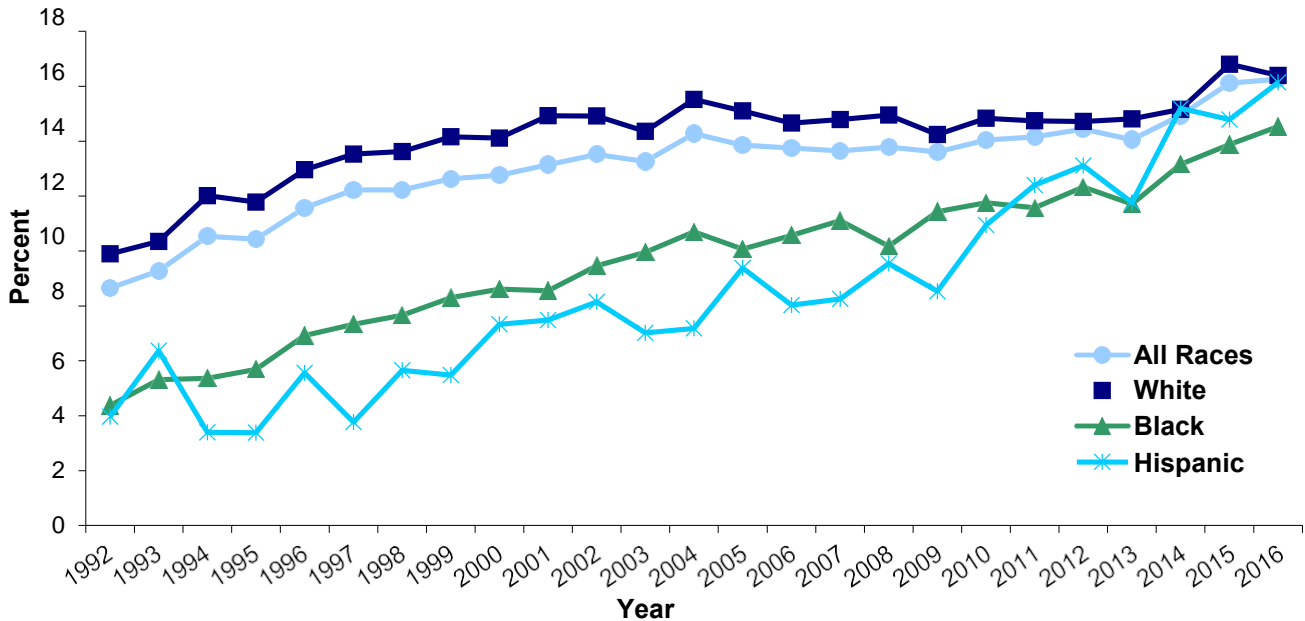
From 2012 to 2016, the decline in the number of births seen in teens ages 15-19 was apparent in both the 15-17 and 18-19 age groups. Birth rates among teens ages 15-17 decreased 28.4 percent while birth rates among teens 18-19 fell 18.6 percent. In the 2012-2016 time period, Sussex County had the highest birth rate for teens in both age groups, followed by Kent County.

To view long-term birth rate trends by more detailed age and race categories, see Tables C-5 through C-8 in the Live Births section of the annual report.

## LIVE BIRTHS

Between 1992 and 2004, the percentage of births to women 35 and older exhibited a clear upward trend. The percentage then remained stable until 2009. In 2016, 16.3 percent of all births were to women 35 and older, a 19.4 percent increase since 2009.

**Figure 9. Annual Percent of Live Births to Women 35 or Older by Race and Hispanic Origin,\* Delaware, 1992-2016**

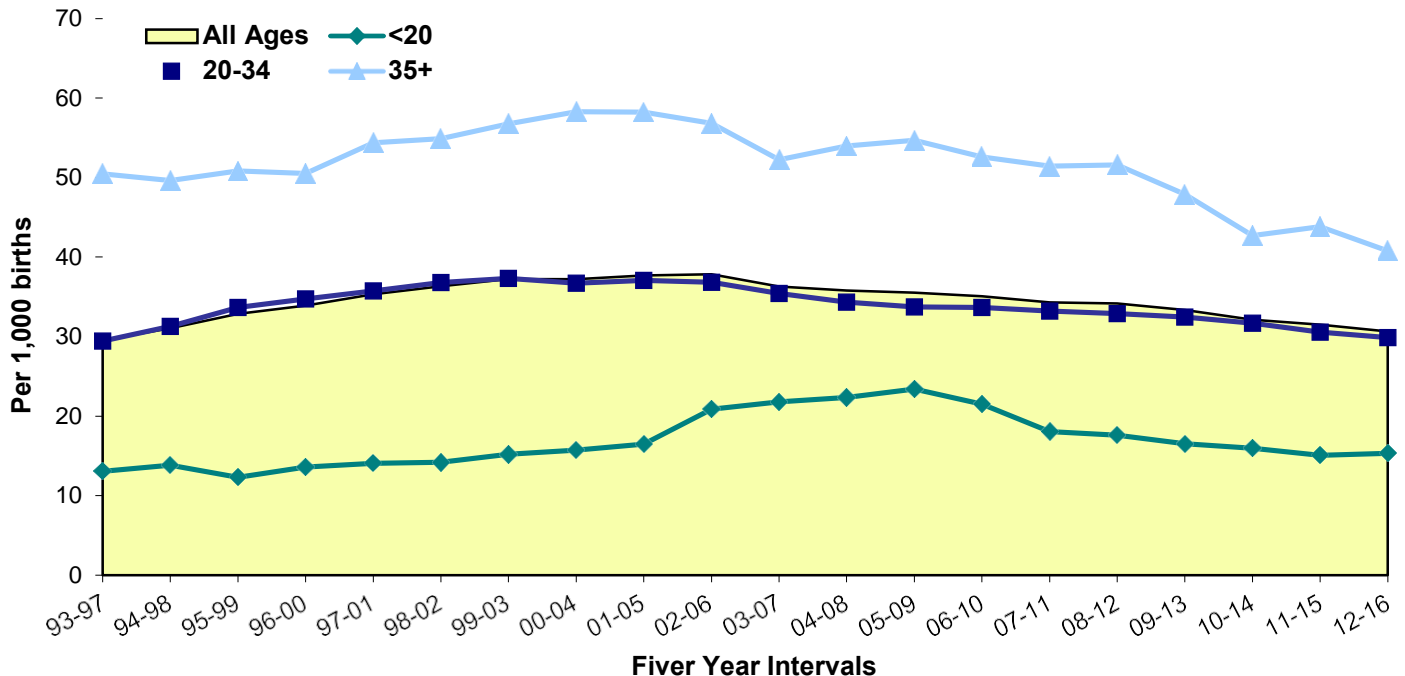


\*Note: Hispanic can be of any race

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

For mothers of all ages, the rate of plural births increased 10 percent between 1993-1997 and 2012-2016. In 2012-2016, older mothers (35+) had the highest plural birth rates, at 41 multiples per 1,000 births, almost three times that of mothers under 20, and 36 percent higher than mothers 20-34.

**Figure 10. Five-year Average Plural Birth Rate by Age of Mother, Delaware, 1993-2016**



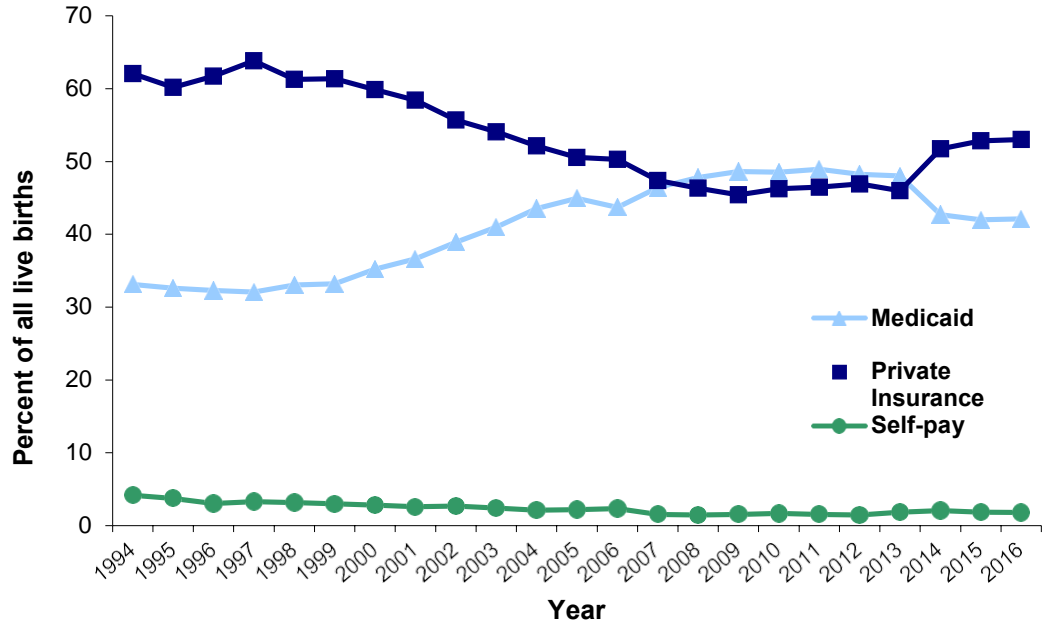
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## LIVE BIRTHS

In 2016, 95 percent of live births had either private insurance or Medicaid listed as the primary source of payment; the remaining 5 percent were split between other government coverage and self-pay.

- In 2016, private insurance paid for more births than Medicaid.
- Medicaid was still the primary source of payment for the majority of mothers under 20, covering 79.6 percent of black mothers, and 73.5 percent of white mothers.

**Figure 11. Percent of Births by Source of Payment for Delivery, Delaware, 1994-2016**

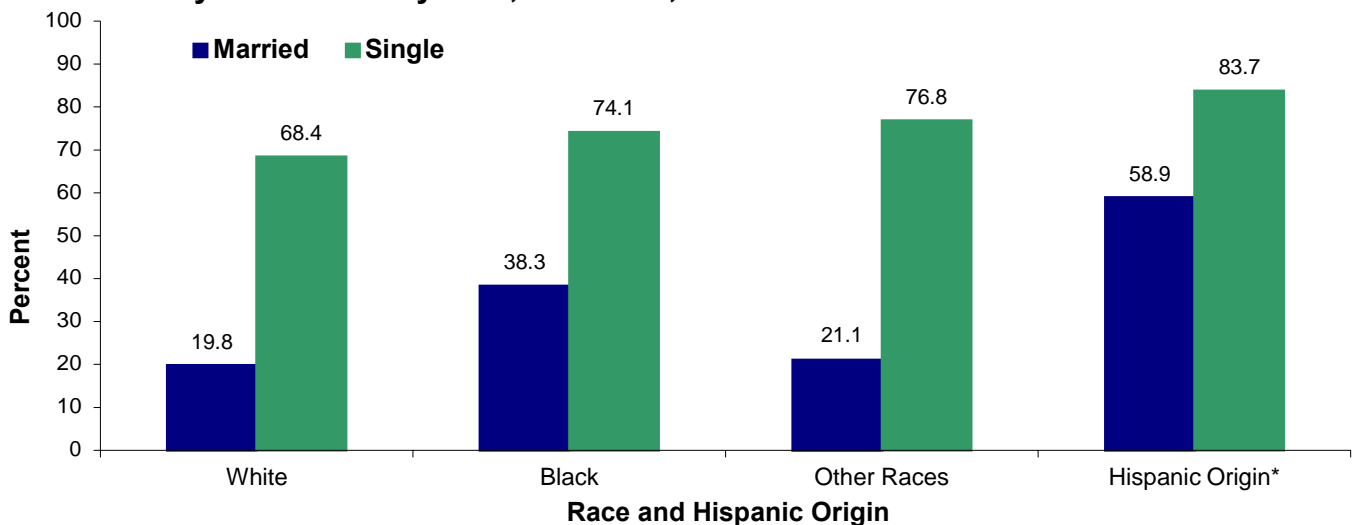


Source: Delaware Department of Social Services, Division of Public Health, Delaware Health Statistics Center

Marital status has a tremendous effect on the use of Medicaid as the primary source of payment for delivery:

- The number of single white women who used Medicaid as their primary source of payment (68.4 percent) was more than triple that of white married women (19.8 percent).
- The number of single black women who used Medicaid as their primary source of payment (74.1 percent) was almost double that of black married women (38.3 percent).
- The number of single women of other races who used Medicaid as their primary source of payment (76.8 percent) was more than three times higher than among married women of other races (21.1 percent).
- The number of single Hispanic women who used Medicaid as their primary source of payment (83.7 percent) was significantly higher than Hispanic married women (58.9 percent).

**Figure 12. Percent of Births by Race, Hispanic Origin, Marital Status, and Medicaid as Primary Source of Payment, Delaware, 2016**



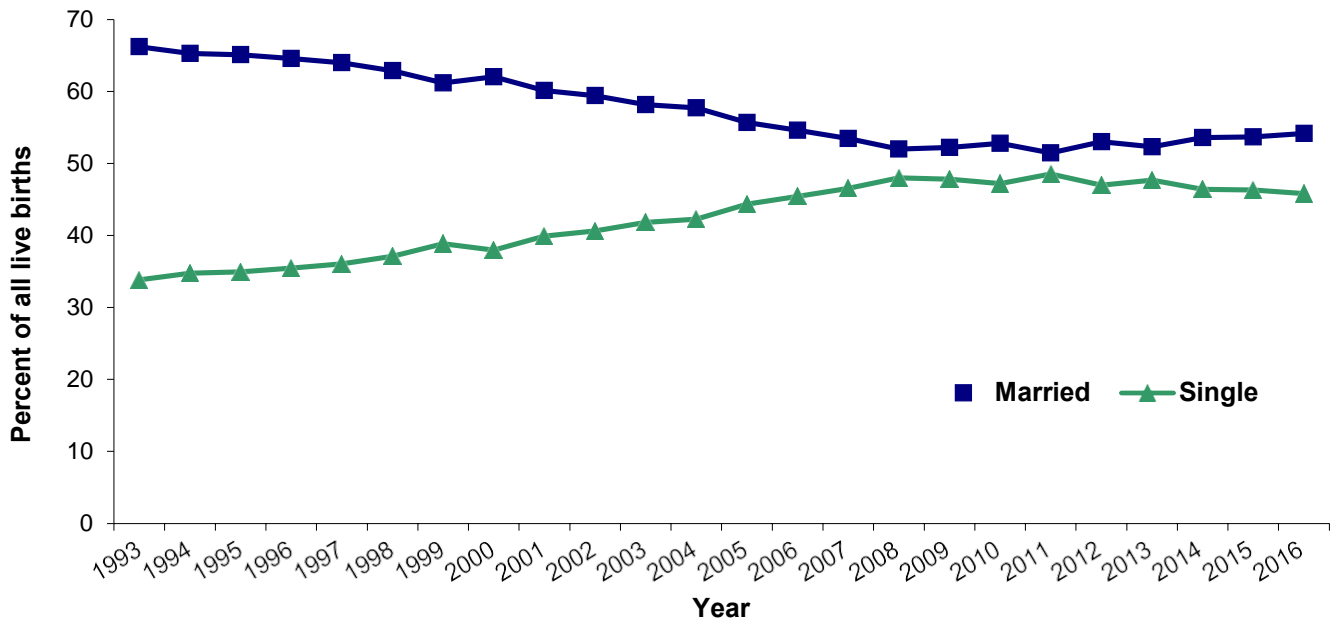
\*Note: Hispanic can be of any race

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

## LIVE BIRTHS

After increasing steadily from 1993 to 2008, the percent of births to unmarried women stabilized. The number of births to unmarried women fell by 4.5 percent from 2008 to 2016, compared to a 4.2 percent increase in births to married women during that same time period. In 2016, 45.8 percent of all births were to unmarried women.

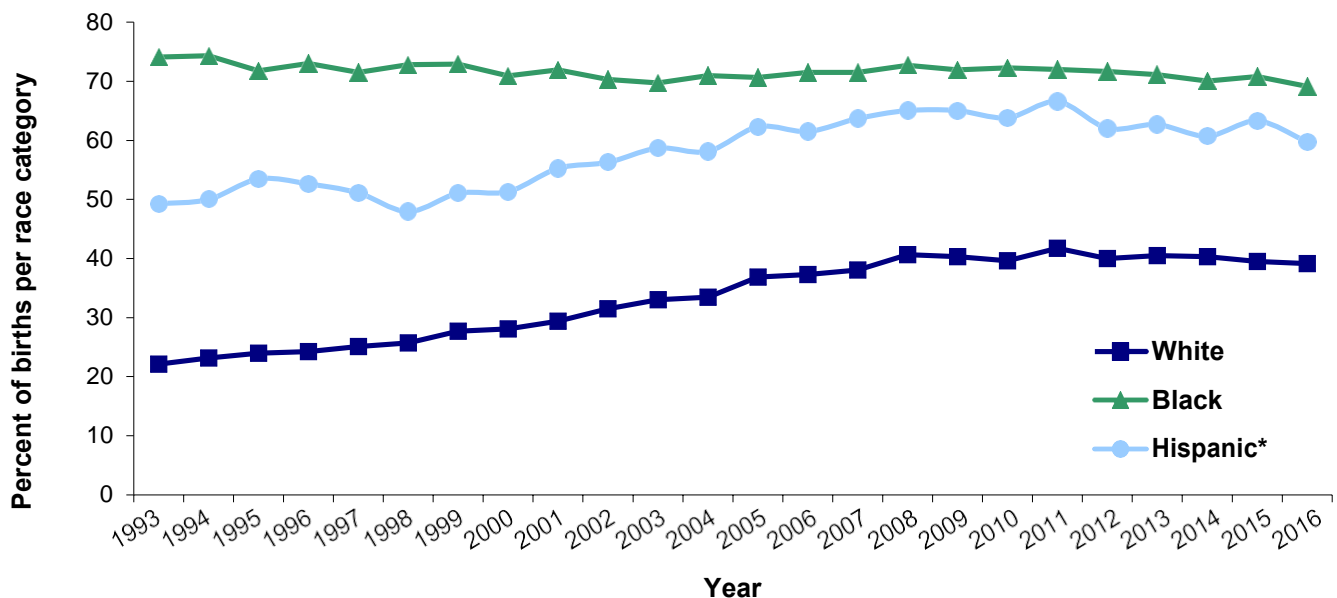
**Figure 13. Annual Percent of Births by Mother's Marital Status, Delaware, 1993-2016**



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

This shift in the distribution of mother's marital status was only apparent in births to white and Hispanic women. Between 1993 and 2016, the percentage of births to unmarried white women increased from 22 to 39 percent, and the percentage of births to unmarried Hispanic women rose from 49 to 60 percent. During the same time period, the percent of births to unmarried black women remained stable at approximately 70 percent.

**Figure 14. Percent of Live Births to Unmarried Women by Race and Ethnicity, Delaware, 1993-2016**



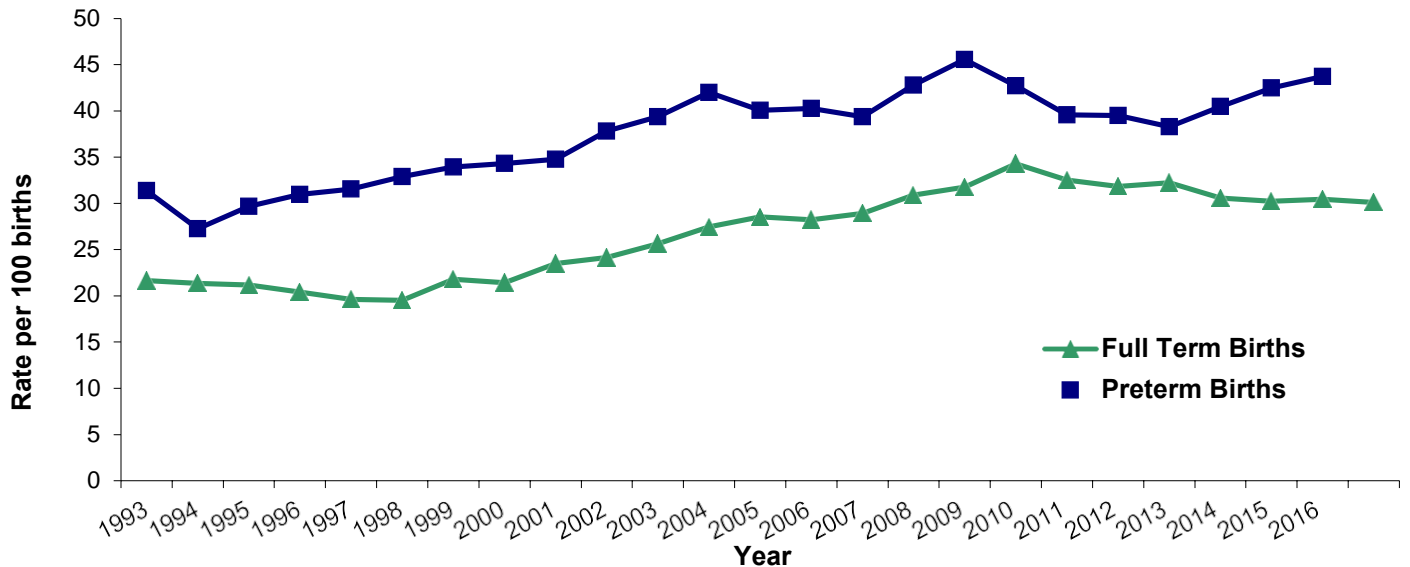
\*Note: Hispanic can be of any race

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

## LIVE BIRTHS

From 1998 to 2016, the rate of cesarean deliveries increased 37.1 percent, to 31.8 per 100 live births, whereas vaginal births decreased only 11.1 percent. Since 1998, both preterm (<37 weeks gestation) and term (37+ weeks gestation) births had increases in cesarean delivery rates. Although term births demonstrated a greater increase in rates between 1998 and 2016, the C-section rate for preterm births remained higher at 43.7 per 100 preterm births, versus 30.1 per 100 term births in 2016.

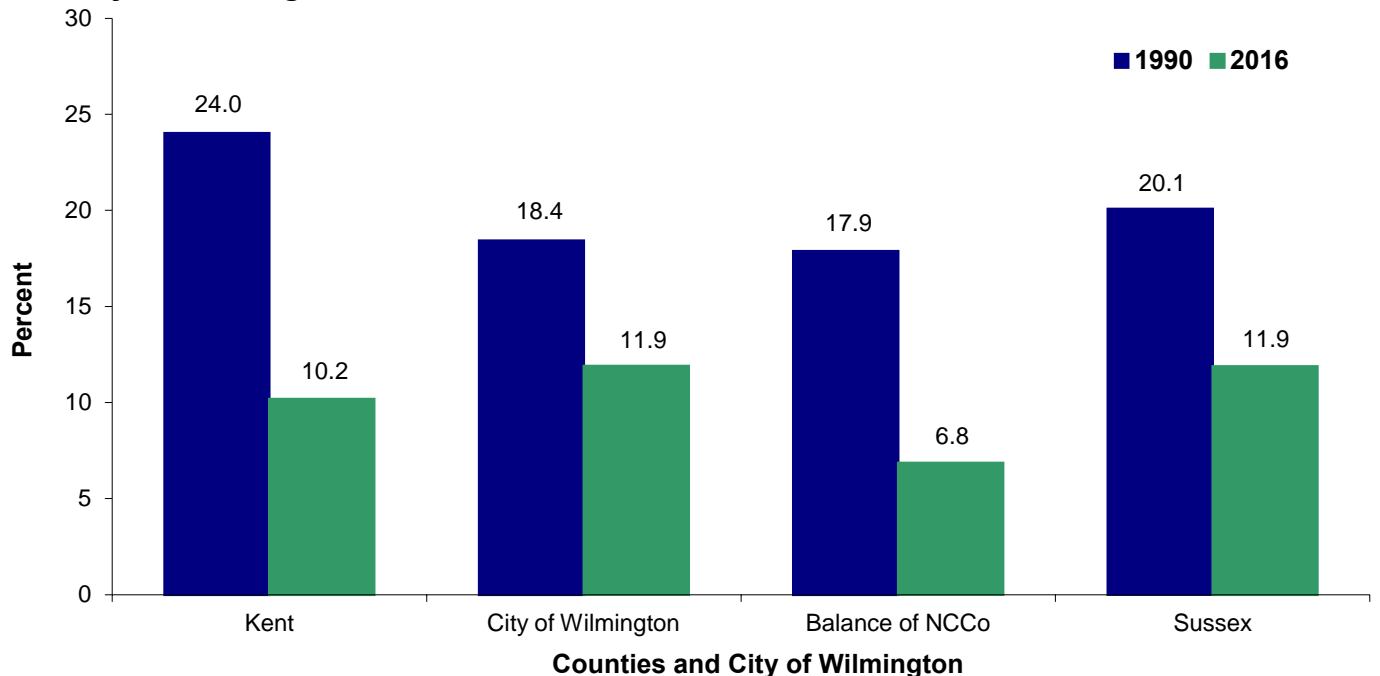
**Figure 15. Annual Rate of Cesarean Deliveries by Gestational Category, Delaware, 1993-2016**



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

From 1990 to 2016, the percentage of Delaware mothers who used tobacco while pregnant decreased in all three counties and the city of Wilmington. In 2016, the city of Wilmington and Sussex County had the highest percentage of mothers who smoked while pregnant.

**Figure 16. Percent of Mothers who Smoked while Pregnant, Delaware Counties and City of Wilmington, 1990 and 2016**



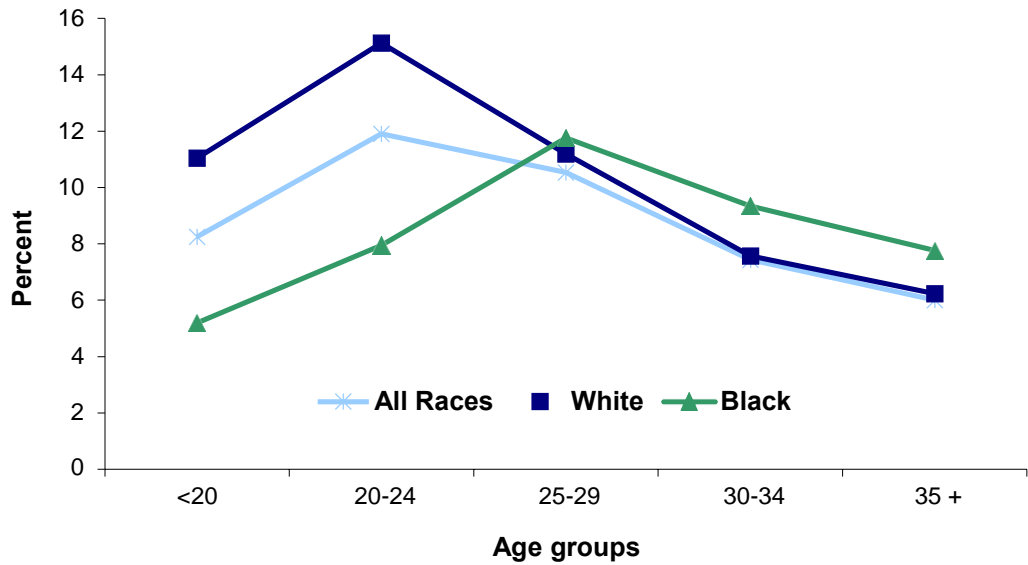
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**LIVE BIRTHS**

White mothers younger than 25 were more likely to smoke while pregnant than black mothers in the same age group.

Black mothers older than 30 were more likely to smoke while pregnant than white mothers.

**Figure 17. Percent of Mothers who Smoked While Pregnant by Age Group and Race, Delaware, 2016**

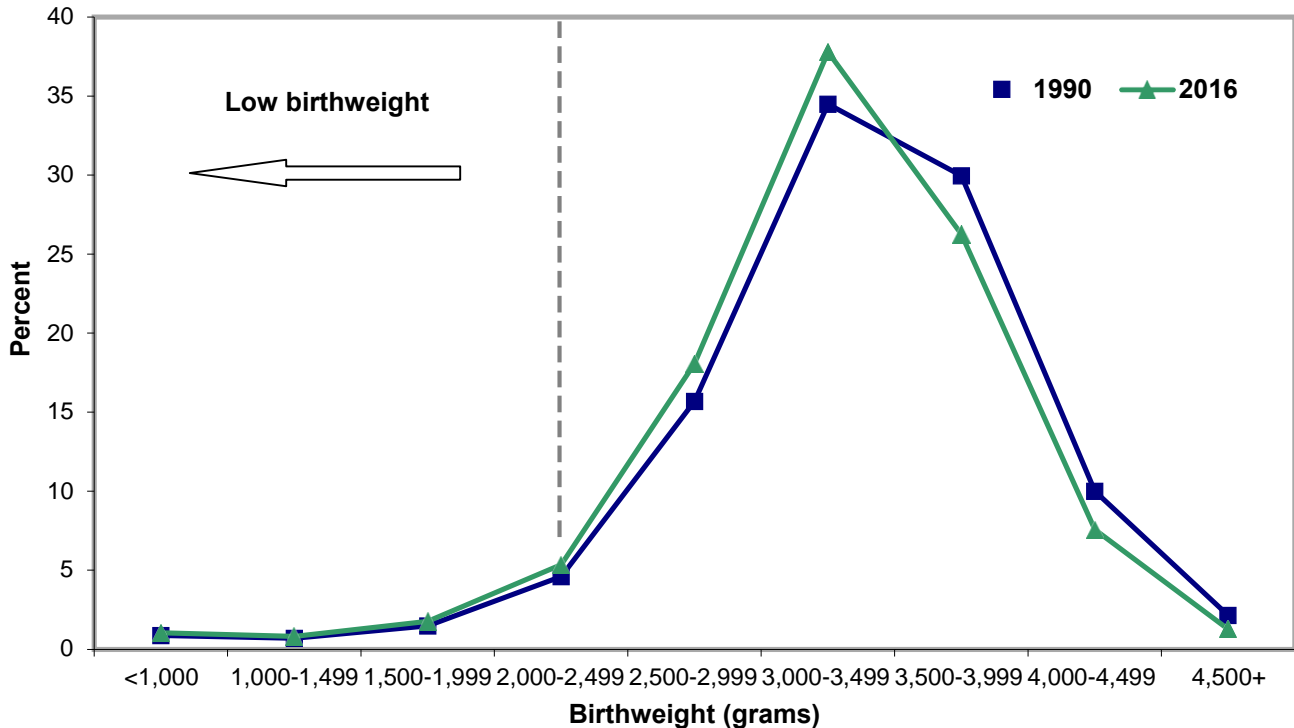


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

In 2016, 15.0 percent of Delaware women who smoked while pregnant gave birth to low birthweight babies (< 2,500 grams), versus the significantly lower percentage (8.6) of non-smokers who gave birth to low birthweight babies.

The percent distribution of births by birthweight did not differ significantly between 1990 and 2016. The greatest percentage of births fell within the 3,000 to 3,499 gram range.

**Figure 18. Percent Distribution of Births by Birthweight, Delaware, 1990 and 2016**



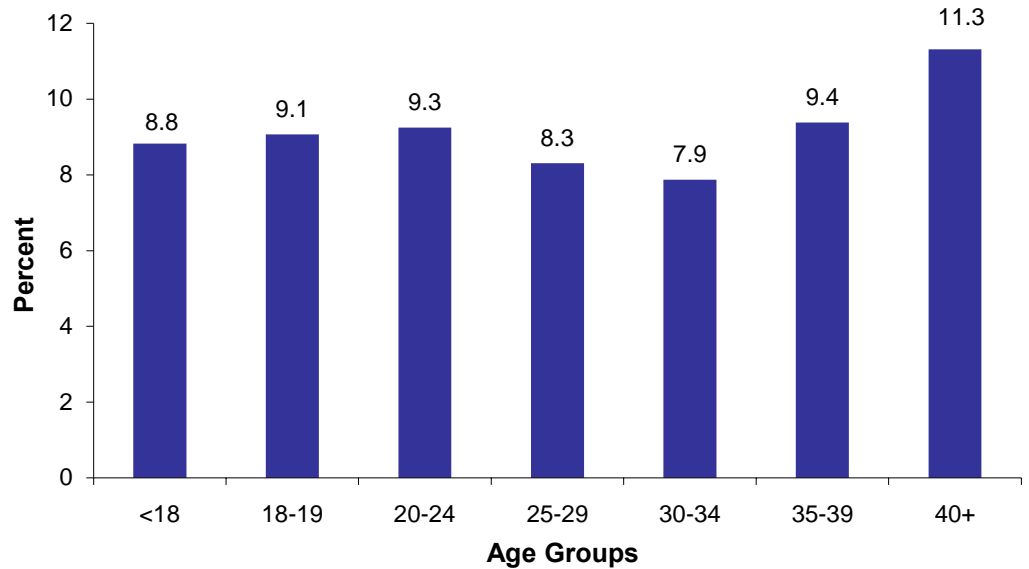
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**LIVE BIRTHS**

In 2012-2016 the five-year percent of low birthweight (LBW) births and very low birthweight (VLBW) births remained relatively stable at 8.6 and 1.8, respectively.

The percent of LBW births was greatest for mothers in the 40 and older age group (11.3 percent) and lowest for those in the 30-34 age group. (7.9 percent)

**Figure 19. Five-year Percent of Low Birthweight Births (<2,500 grams) by Mother's Age, Delaware, 2012-2016**

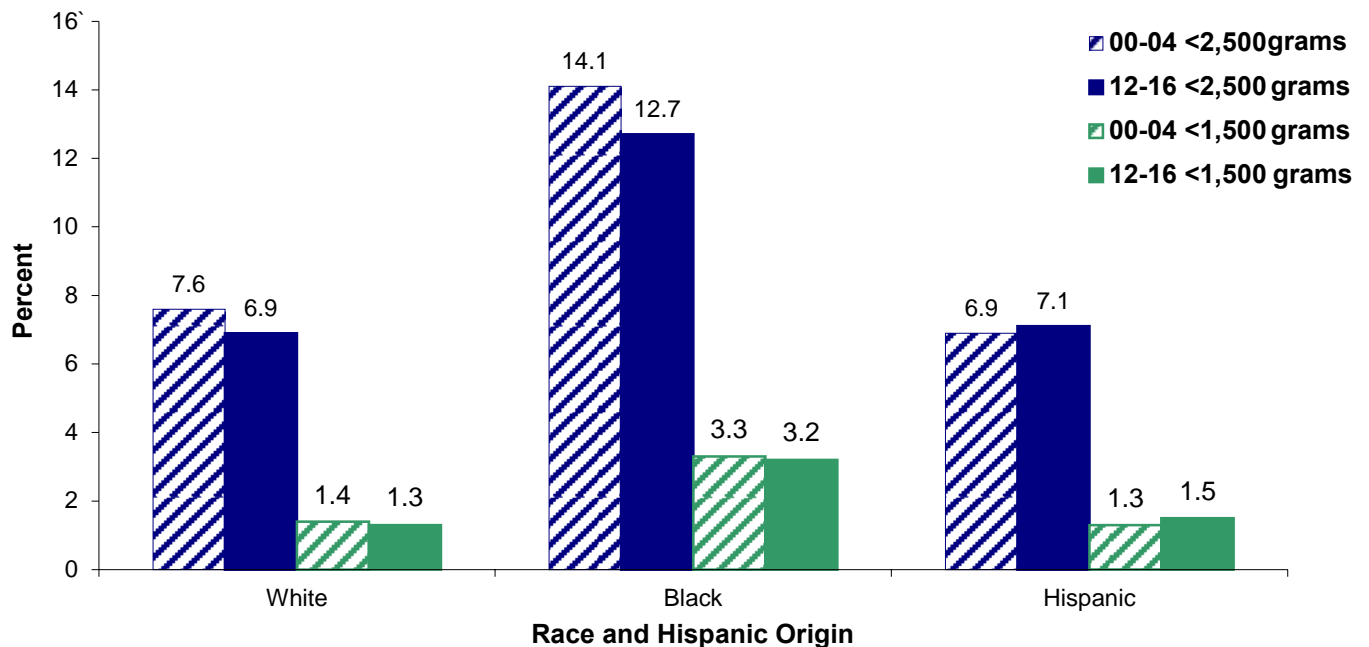


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

In 2012-2016 among mothers of all ages, black mothers had the highest percentage of LBW and VLBW births, at 12.7 percent and 3.1 percent, respectively.

Between 2000-2004 and 2012-2016, the percentages of white and black infants born at low birthweight declined. During this same time period, the percentage of black and white infants born at very low birthweight declined, while the percentage Hispanic infants born at very low birthweight showed a slight increase.

**Figure 20. Five-year Average Percent of Low (<2,500 grams) and Very Low Birth Weight Births (<1,500 grams) by Race and Hispanic Origin, Delaware, 2000-2004 and 2012-2016**



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

**TABLE C-1. NUMBER OF LIVE BIRTHS BY AGE OF MOTHER, COUNTIES, CITY OF WILMINGTON, U.S., AND DELAWARE, 2006-2016**

**ALL RACES**

Area/ Age	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>U.S.</b>	4,265,555	4,316,233.00	4,247,694.00	4,130,665.00	3,999,386.00	3,953,590.00	3,952,841.00	3,932,181.00	3,988,076.00	3,978,497.00	3,941,109.00
<20	441,832.00	451,094.00	440,522.00	414,831.00	372,175.00	333,746.00	309,060.00	276,203.00	251,847.00	232,215.00	211,726.00
20-24	1,080,437.00	1,082,354.00	1,052,184.00	1,005,982.00	951,688.00	925,200.00	916,811.00	896,745.00	882,567.00	850,509.00	802,763.00
25-29	1,181,899.00	1,208,408.00	1,195,774.00	1,166,787.00	1,133,713.00	1,127,583.00	1,123,900	1,120,777.00	1,145,392.00	1,152,311.00	1,147,879.00
30+	1,561,387.00	1,574,377.00	1,559,214.00	1,543,065.00	1,541,810.00	1,567,061.00	1,603,070.00	1,637,779.00	1,707,527.00	1,742,708.00	1,778,743.00
<b>Delaware</b>	11,894	12,097	12,016	11,369	11,291	11,227	10,982	10,802	10,934	11,145	10,967
<20	1,281	1,251	1,251	1,085	983	909	768	730	621	552	594
20-24	3,056	3,095	3,000	2,831	2,707	2,642	2,534	2,431	2,298	2,279	2,099
25-29	3,226	3,335	3,477	3,280	3,293	3,297	3,151	3,139	3,297	3,319	3,303
30+	4,331	4,416	4,288	4,173	4,308	4,379	4,529	4,502	4,718	4,995	4,971
<b>Kent</b>	2,230	2,243	2,294	2,258	2,228	2,166	2,206	2,180	2,266	2,258	2,247
<20	246	252	235	209	198	183	162	134	129	99	153
20-24	679	685	672	719	633	601	597	599	608	576	518
25-29	625	689	669	687	703	685	664	665	726	736	760
30+	680	617	718	643	694	697	783	782	803	847	816
<b>New Castle</b>	7,300	7,357	7,229	6,794	6,780	6,880	6,479	6,444	6,450	6,585	6,430
<20	716	669	695	613	546	527	410	395	323	296	298
20-24	1,652	1,599	1,554	1,424	1,418	1,417	1,294	1,286	1,157	1,171	1,050
25-29	1,953	1,965	2,081	1,921	1,915	1,956	1,822	1,812	1,887	1,868	1,851
30+	2,979	3,124	2,899	2,836	2,901	2,980	2,953	2,951	3,083	3,250	3,231
Wilmington	1,341	1,290	1,295	1,237	1,064	1,111	1,005	1,057	1,000	973	983
<20	243	221	238	193	153	159	122	132	89	79	85
20-24	423	399	375	360	294	275	264	270	245	242	229
25-29	317	309	337	312	275	301	258	278	267	260	279
30+	358	361	345	372	342	376	361	377	399	392	390
Balance of NC County	5,959	6,067	5,934	5,557	5,716	5,769	5,474	5,387	5,450	5,612	5,447
<20	473	448	457	420	393	368	288	263	234	217	213
20-24	1,229	1,200	1,179	1,064	1,124	1,142	1,030	1,016	912	929	821
25-29	1,636	1,656	1,744	1,609	1,640	1,655	1,564	1,534	1,620	1,608	1,572
30+	2,621	2,763	2,554	2,464	2,559	2,604	2,592	2,574	2,684	2,858	2,841
<b>Sussex</b>	2,364	2,497	2,493	2,317	2,283	2,181	2,297	2,178	2,218	2,302	2,290
<20	319	330	321	263	239	199	196	201	169	157	143
20-24	725	811	774	688	656	624	643	546	533	532	531
25-29	648	681	727	672	675	656	665	662	684	715	692
30+	672	675	671	694	713	702	793	769	832	898	924

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



**TABLE C-2. NUMBER OF LIVE BIRTHS BY AGE OF MOTHER, COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 2006-2016**

**WHITE**

Area/ Age	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>U.S.</b>	3,310,308	3,336,626	3,274,163	3,173,293	3,069,315	3,020,355	2,999,820	2,985,757	3,019,863	3,012,855	N/A
<20	311,947	318,103	309,714	291,731	261,750	234,461	218,091	196,625	181,135	167,446	N/A
20-24	818,253	818,503	791,852	751,430	706,130	680,525	670,593	653,819	644,363	620,891	N/A
25-29	935,928	954,168	942,837	917,877	893,103	883,545	874,345	869,697	882,562	885,936	N/A
30+	1,244,180	1,245,852	1,229,760	1,212,255	1,208,332	1,221,824	1,236,791	1,265,616	1,311,327	1,338,093	N/A
<b>Delaware</b>	8,110	7,996	8,113	7,612	7,566	7,510	7,312	7,087	7,194	7,244	7,051
<20	717	659	703	592	546	511	443	389	354	305	317
20-24	1,894	1,895	1,871	1,788	1,659	1,588	1,536	1,433	1,413	1,334	1,203
25-29	2,291	2,278	2,393	2,270	2,290	2,273	2,151	2,086	2,199	2,177	2,171
30+	3,208	3,164	3,146	2,962	3,071	3,138	3,182	3,179	3,228	3,428	3,360
<b>Kent</b>	1,557	1,528	1,578	1,538	1,502	1,497	1,507	1,440	1,520	1,493	1,436
<20	131	151	132	111	103	105	83	64	80	53	69
20-24	449	428	440	469	410	370	376	371	381	346	312
25-29	466	501	472	485	507	514	475	463	518	495	528
30+	511	448	534	473	482	508	573	542	541	599	527
<b>New Castle</b>	4,802	4,711	4,560	4,260	4,264	4,308	3,985	3,953	3,934	3,904	3,821
<20	384	337	343	310	265	271	212	189	156	135	150
20-24	940	922	865	809	783	775	679	678	661	598	513
25-29	1,334	1,265	1,327	1,239	1,233	1,230	1,130	1,091	1,129	1,096	1,087
30+	2,144	2,187	2,025	1,902	1,983	2,032	1,964	1,995	1,988	2,075	2,071
Wilmington	488	472	446	423	444	446	375	409	401	369	366
<20	51	43	50	39	36	43	30	41	22	17	22
20-24	118	118	87	105	92	79	67	63	64	62	52
25-29	140	118	138	106	131	123	95	101	93	96	90
30+	179	193	171	173	185	201	183	204	222	194	202
Balance of NC County	4,314	4,239	4,114	3,837	3,820	3,862	3,610	3,544	3,533	3,535	3,455
<20	333	294	293	271	229	228	182	148	134	118	128
20-24	822	804	778	704	691	696	612	615	597	536	461
25-29	1,194	1,147	1,189	1,133	1,102	1,107	1,035	990	1,036	1,000	997
30+	1,965	1,994	1,854	1,729	1,798	1,831	1,781	1,791	1,766	1,881	1,869
<b>Sussex</b>	1,751	1,757	1,975	1,814	1,800	1,705	1,820	1,694	1,740	1,847	1,794
<20	202	171	228	171	178	135	148	136	118	117	98
20-24	505	545	566	510	466	443	481	384	371	390	378
25-29	491	512	594	546	550	529	546	532	552	586	556
30+	553	529	587	587	606	598	645	642	699	754	762

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

**TABLE C-3. NUMBER OF LIVE BIRTHS BY AGE OF MOTHER, COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 2006-2016**

**BLACK**

Area/ Age	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>U.S.</b>	666,481	675,676	670,809	657,618	636,425	632,901	634,126	634,760	640,562	640,079	N/A
<20	113,615	116,006	114,249	107,548	96,606	86,615	78,813	68,649	60,979	55,644	N/A
20-24	213,877	215,052	212,493	208,885	202,082	201,323	202,527	200,706	197,102	189,986	N/A
25-29	166,860	170,270	169,068	165,737	160,007	161,100	163,050	167,521	175,096	180,147	N/A
30+	172,129	174,348	174,999	175,448	177,730	183,863	189,736	197,884	207,254	214,154	N/A
<b>Delaware</b>	3,018	3,251	3,245	3,159	3,086	3,084	2,952	3,049	2,920	3,069	3,014
<20	523	531	526	479	419	386	306	323	244	222	250
20-24	1,012	1,037	1,034	959	976	992	924	916	797	859	793
25-29	691	790	845	821	788	799	763	838	840	888	859
30+	792	893	840	900	903	907	959	972	1,039	1,100	1,112
<b>Kent</b>	578	645	645	646	638	602	610	648	647	672	687
<20	110	95	99	91	93	75	76	63	44	41	74
20-24	211	237	217	229	206	213	202	209	204	216	182
25-29	125	168	175	186	163	154	166	178	187	208	198
30+	132	145	154	140	176	160	166	198	212	207	233
<b>New Castle</b>	2,026	2,128	2,152	2,063	2,019	2,054	1,930	1,972	1,862	2,004	1,903
<20	320	320	339	296	268	250	186	197	152	147	136
20-24	647	626	630	566	591	609	571	555	448	514	471
25-29	470	519	562	527	517	535	497	548	543	568	545
30+	589	663	621	674	643	660	676	672	719	775	751
Wilmington	820	802	824	794	601	647	600	615	563	573	579
<20	186	176	185	151	116	116	88	86	63	59	61
20-24	298	277	285	255	195	195	194	203	173	174	172
25-29	170	185	192	198	141	174	153	170	166	154	178
30+	166	164	162	190	149	162	165	156	161	186	168
Balance of NC County	1,206	1,326	1,328	1,269	1,418	1,407	1,330	1,357	1,299	1,431	1,324
<20	134	144	154	145	152	134	98	111	89	88	75
20-24	349	349	345	311	396	414	377	352	275	340	299
25-29	300	334	370	329	376	361	344	378	377	414	367
30+	423	499	459	484	494	498	511	516	558	589	583
<b>Sussex</b>	414	478	448	450	429	428	412	429	411	393	424
<20	93	116	88	92	58	61	44	63	48	34	40
20-24	154	174	187	164	179	170	151	152	145	129	140
25-29	96	103	108	108	108	110	100	112	110	112	116
30+	71	85	65	86	84	87	117	102	108	118	128

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

**TABLE C-4. NUMBER OF LIVE BIRTHS BY AGE OF MOTHER, COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 2006-2016**

**HISPANIC ORIGIN<sup>1</sup>**

Area/ Age	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>U.S.</b>	1,039,077	1,062,779	1,041,239	999,548	945,180	918,129	907,677	901,033	914,065	924,048	N/A
<20	148,125	150,974	147,240	138,336	123,609	111,236	104,118	94,174	87,007	81,350	N/A
20-24	303,454	305,262	293,054	274,726	254,723	243,724	241,138	237,705	239,121	236,264	N/A
25-29	280,615	287,942	281,319	270,641	254,982	248,269	244,474	244,243	248,971	256,106	N/A
30+	306,883	318,601	319,626	315,845	311,866	314,900	317,947	324,911	338,886	350,242	N/A
<b>Delaware</b>	1,917	1,914	1,845	1,653	1,426	1,427	1,396	1,342	1,573	1,542	1,543
<20	290	255	275	223	174	166	135	148	134	135	151
20-24	614	654	565	524	404	394	375	334	422	393	371
25-29	550	537	498	467	425	431	428	401	432	448	441
30+	463	468	507	439	423	436	458	459	585	566	580
<b>Kent</b>	166	199	185	197	156	162	178	184	204	214	197
<20	25	31	28	31	17	16	15	22	16	11	23
20-24	49	67	54	74	52	55	59	58	71	69	52
25-29	48	63	40	47	57	52	50	52	62	70	69
30+	44	38	63	45	30	39	54	52	55	64	53
<b>New Castle</b>	1,183	1,069	1,015	906	760	789	726	707	881	797	827
<20	185	136	154	137	101	116	84	86	79	68	74
20-24	379	340	293	268	207	206	187	178	245	203	197
25-29	331	285	290	255	213	221	227	205	236	224	239
30+	288	308	278	246	239	246	228	238	321	302	317
Wilmington	267	228	200	174	172	161	118	154	178	136	142
<20	50	37	38	30	25	34	18	25	17	12	20
20-24	94	89	64	61	55	40	39	42	54	35	38
25-29	70	48	65	49	48	48	32	49	37	44	37
30+	53	54	33	34	44	39	29	38	70	45	47
Balance of NC County	916	841	815	732	588	628	608	553	703	661	685
<20	135	99	116	107	76	82	66	61	62	56	54
20-24	285	251	229	207	152	166	148	136	191	168	159
25-29	261	237	225	206	165	173	195	156	199	180	202
30+	235	254	245	212	195	207	199	200	251	257	270
<b>Sussex</b>	568	646	645	550	510	476	492	451	488	531	519
<20	80	88	93	55	56	34	36	40	39	55	54
20-24	186	247	218	182	145	133	129	98	106	121	122
25-29	171	189	168	165	155	158	151	144	134	154	133
30+	131	122	166	148	154	151	176	169	209	201	210

Note: Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-5. FIVE-YEAR AVERAGE TEENAGE LIVE BIRTH RATES BY AGE AND RACE OF MOTHER , COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE 1997-2016**

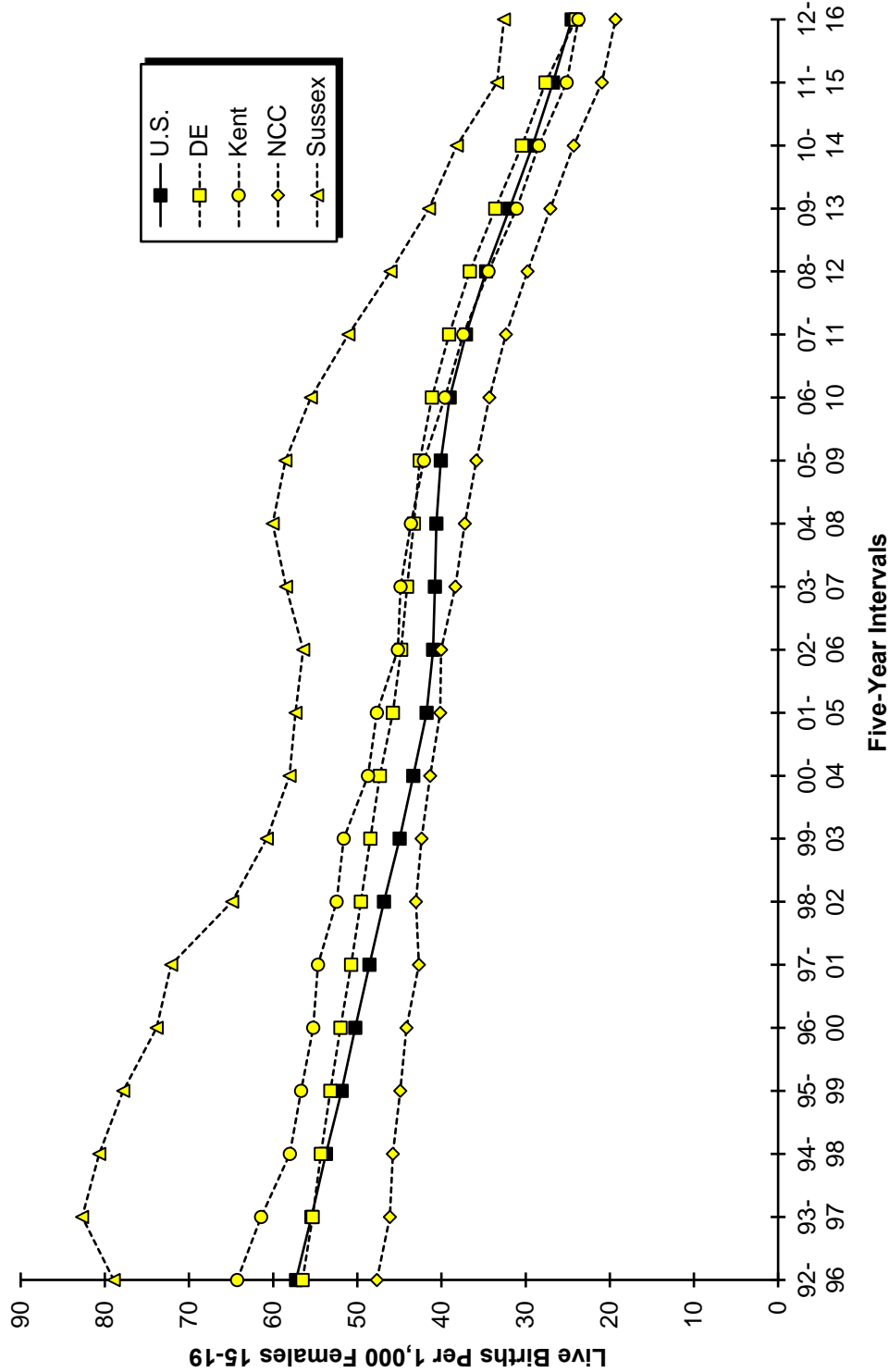
Age/Area/ Race	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>Teens 15-19</b>																
<b>U.S.</b>	48.5	46.8	45.0	43.3	41.8	41.0	40.8	40.6	40.1	39.0	37.1	34.7	31.9	29.2	26.7	24.5
White	43.7	42.4	41.1	39.7	38.5	37.9	37.7	37.6	37.1	36.2	34.5	32.3	29.8	27.3	25.2	N/A
Black	79.4	75.3	71.0	67.5	64.1	62.4	61.7	61.2	60.2	58.4	55.5	51.9	47.8	43.5	39.6	N/A
<b>Delaware</b>	49.6	48.4	47.3	45.7	44.8	44.1	43.3	42.6	41.1	39.1	36.6	33.6	30.5	27.6	24.8	22.6
White	37.2	36.6	36.5	35.7	35.6	35.9	35.5	35.3	34.5	32.8	31.0	29.1	26.4	24.4	22.1	20.1
Black	90.4	86.5	81.6	77.5	73.4	69.9	67.2	65.6	62.9	60.0	56.4	51.4	47.1	41.8	37.1	33.8
<b>Kent</b>	54.7	52.4	51.6	48.7	47.7	45.2	44.9	43.6	42.1	39.6	37.4	34.4	31.1	28.4	24.9	23.7
White	49.8	46.2	44.5	40.3	38.2	35.8	36.3	35.2	34.5	32.4	31.3	28.1	24.9	23.6	21.1	19.1
Black	67.5	69.8	73.1	75.3	77.0	74.8	71.7	69.7	65.6	63.5	58.2	55.6	50.8	44.5	37.0	36.4
<b>New Castle</b>	42.7	43.0	42.4	41.3	40.2	40.0	38.3	37.2	35.9	34.3	32.3	29.8	27.1	24.3	21.8	19.3
White	29.6	30.9	31.5	31.4	31.5	32.2	31.1	30.1	29.3	27.6	26.0	24.1	22.0	19.9	18.0	15.9
Black	91.6	86.7	80.3	74.6	68.3	65.3	61.4	59.7	57.2	55.3	52.5	48.1	43.8	39.1	35.0	30.9
Wilmington	111.2	107.4	103.1	98.5	92.4	91.3	86.6	85.5	82.8	78.2	74.1	68.9	64.0	57.9	53.9	48.0
White	98.9	105.4	108.2	110.2	109.8	107.6	101.8	98.7	95.6	87.2	88.4	84.5	84.6	79.6	72.2	61.2
Black	129.0	122.0	115.3	108.2	99.9	97.9	92.6	92.0	89.2	85.0	79.7	73.2	65.8	58.2	53.8	47.9
<b>Sussex</b>	72.0	64.8	60.7	58.0	57.3	56.4	58.5	60.0	58.6	55.5	51.1	46.1	41.5	38.2	34.9	32.6
White	55.7	48.5	45.8	45.1	45.3	46.9	48.0	51.3	50.3	49.2	46.1	45.1	40.6	38.4	35.2	33.2
Black	119.6	108.3	97.6	91.5	90.3	83.7	87.6	87.3	86.5	78.3	73.8	61.9	58.5	51.5	48.2	45.0
<b>Teens 15-17</b>																
<b>U.S.</b>	28.4	26.7	25.0	23.7	22.5	21.9	21.7	21.5	21.0	20.3	19.1	17.6	15.8	14.0	12.5	N/A
<b>Delaware</b>	31.6	29.3	27.5	25.9	24.5	23.3	22.8	22.2	20.8	19.6	18.2	16.2	14.5	12.9	11.3	10.1
<b>Kent</b>	30.3	28.7	27.5	25.0	24.2	21.6	21.1	20.6	19.8	18.8	17.4	16.0	14.3	12.5	10.4	9.8
<b>New Castle</b>	29.6	28.4	27.0	25.1	23.3	22.4	21.4	20.5	19.1	18.1	16.7	14.9	13.4	12.0	10.6	9.1
<b>Sussex</b>	40.1	33.2	29.3	29.6	28.7	28.1	29.4	30.2	27.6	26.1	24.3	21.2	18.4	16.4	14.8	13.7
<b>Teens 18-19</b>																
<b>U.S.</b>	79.7	77.6	75.1	72.8	70.8	70.0	69.9	69.6	68.6	66.6	63.2	59.3	55.1	51.0	47.4	N/A
<b>Delaware</b>	73.1	74.1	74.7	74.5	75.6	76.3	75.0	73.9	72.1	68.2	63.7	58.7	53.4	48.8	44.4	41.2
<b>Kent</b>	91.2	87.5	87.1	84.4	83.8	81.4	80.4	77.6	74.5	69.7	66.5	61.1	55.5	51.7	46.2	44.6
<b>New Castle</b>	58.2	61.1	62.3	64.0	65.6	67.6	65.0	63.7	61.9	58.9	55.3	51.2	46.6	41.8	38.0	34.4
<b>Sussex</b>	126.1	117.8	112.6	103.6	101.2	99.2	102.3	104.1	104.0	99.3	91.0	82.4	75.0	70.0	64.6	60.6

**Notes:**

1. Teenage live birth rates represent the number of live births in a specific age category (e.g., 15-19) per 1,000 women in that age category.
2. Historical rates may change from one annual report to another due to refinements in the population estimates. Therefore, historical trends should not be examined by comparing rates from previous annual reports.

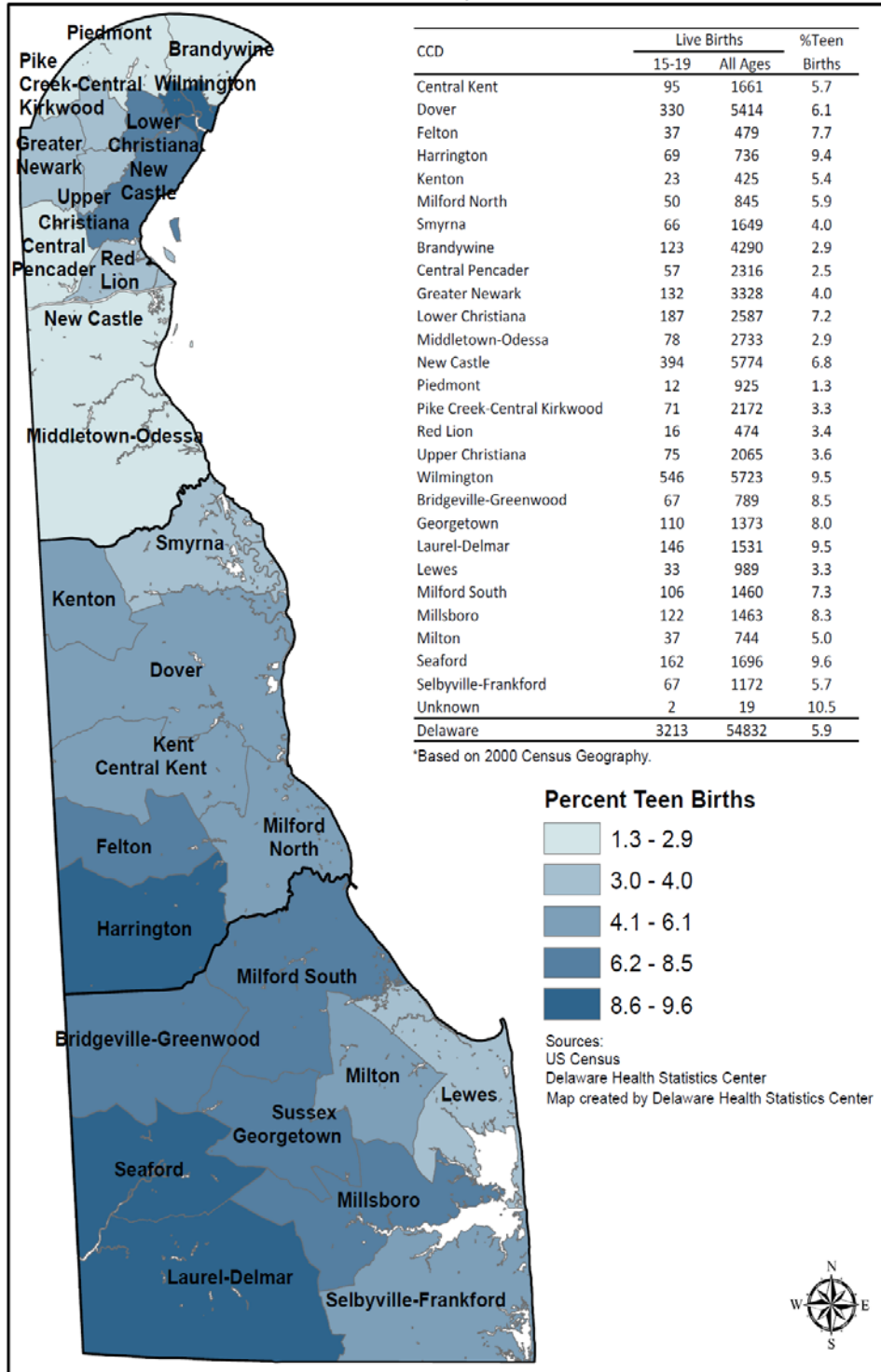
Sources: National Center for Health Statistics  
 Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-1. Five-Year Average Teenage (15-19) Live Birth Rates, U.S., Delaware, and Counties, 1992-2016**



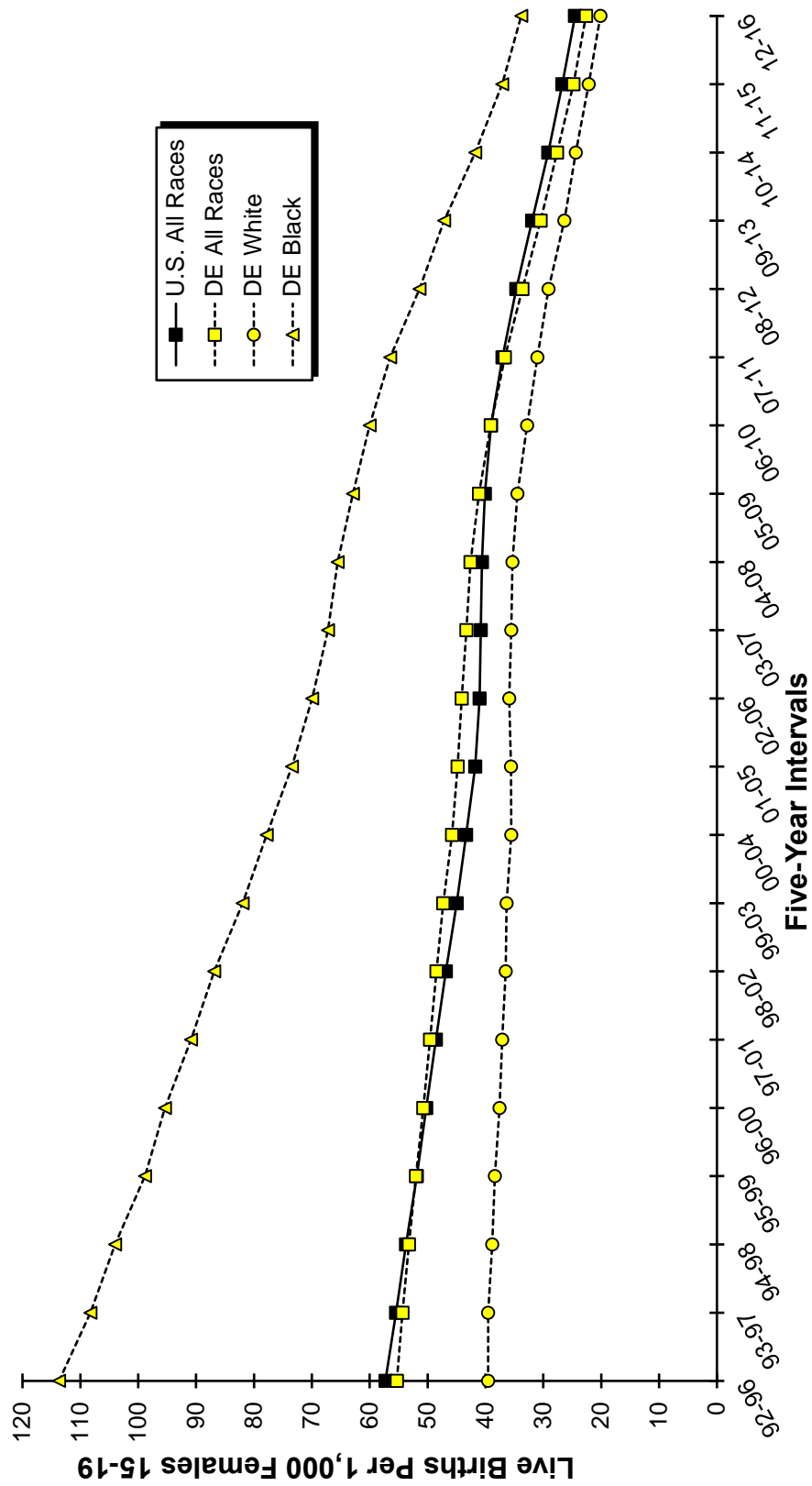
Sources: National Center for Health Statistics  
 Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-2**  
**Five-year Average Percent Live Births to Teens (15-19) by Census County Division\***  
**Delaware, 2012-2016**



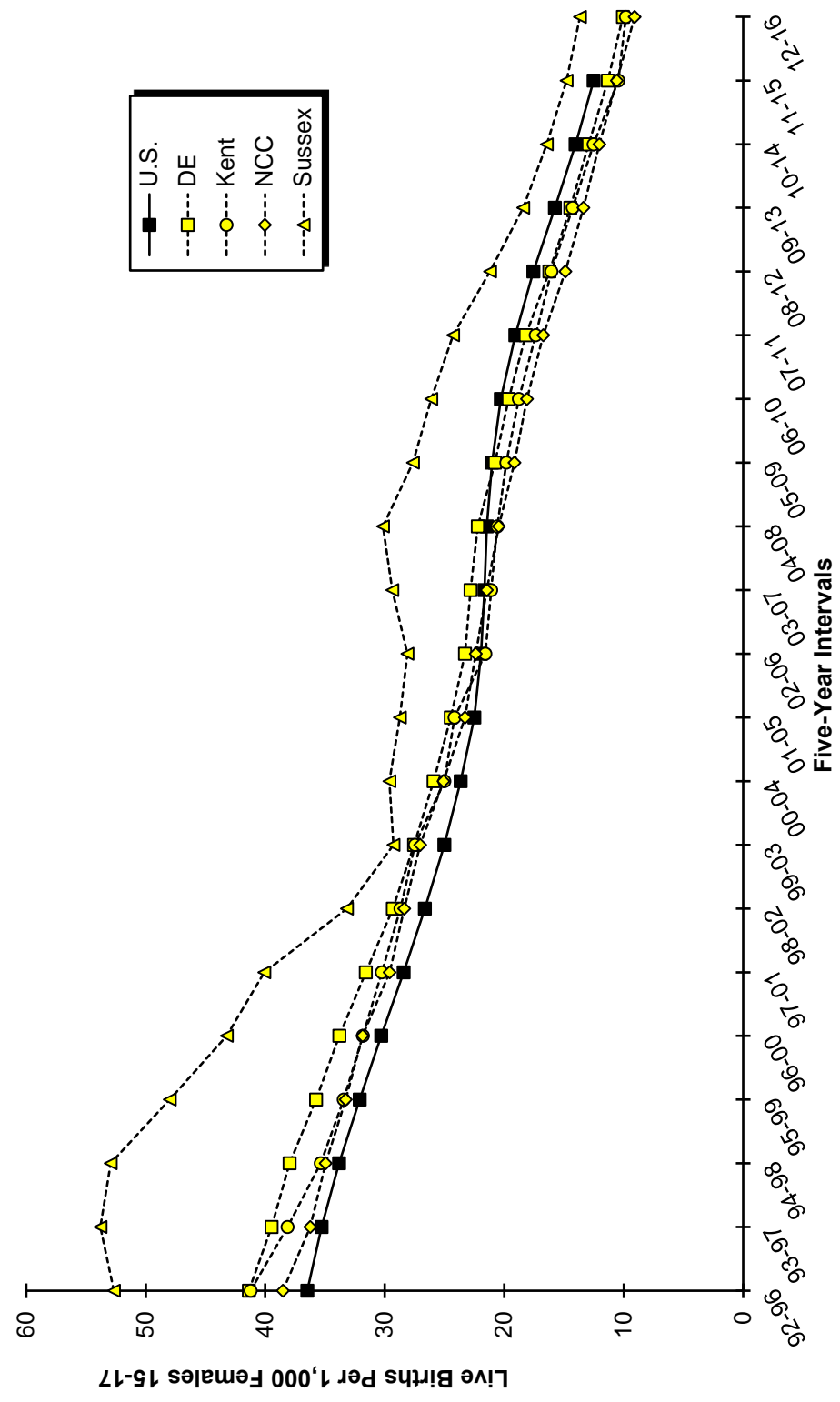
MD 01.29.18

**Figure C-3. Five-Year Average Teenage (15-19) Live Birth Rates by Race, U.S., and Delaware, 1992-2016**



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

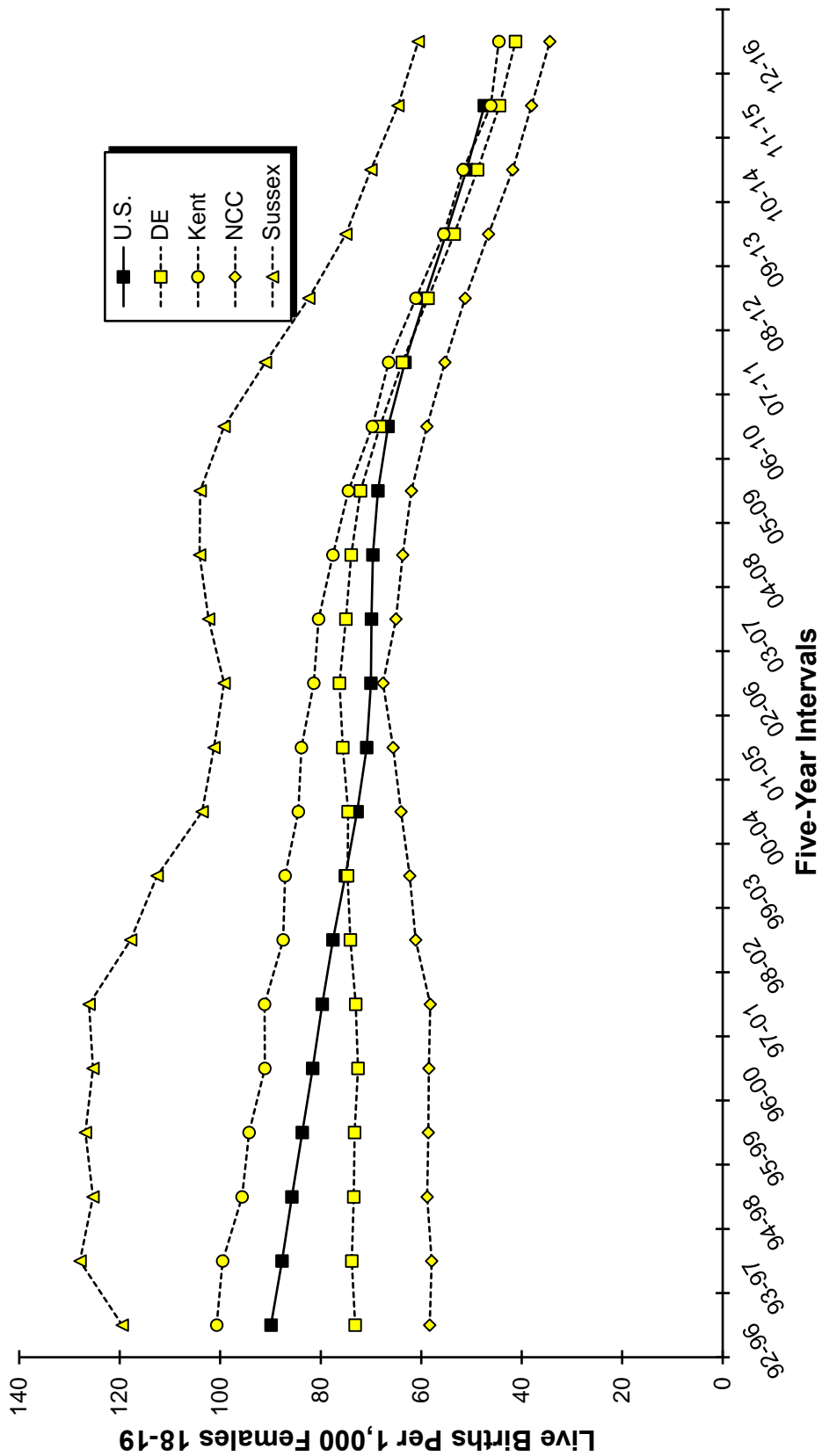
**Figure C-4 Five-Year Average Teenage (15-17) Live Birth Rates, U.S., Delaware and Counties, 1992-2016**



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



**Figure C-5. Five-Year Average Teenage (18-19) Live Birth Rates, U.S., Delaware and Counties, 1992-2016**



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

**TABLE C-6. FIVE-YEAR GENERAL FERTILITY AND AGE-SPECIFIC LIVE BIRTH RATES BY COUNTY, U.S., AND DELAWARE, 1997-2016**

**ALL RACES**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>																
General	64.7	64.9	65.3	65.7	65.9	66.5	67.4	67.8	67.8	67.3	66.2	64.9	63.7	63.1	62.8	62.5*
10-14	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3*
15-19	48.5	46.8	45.0	43.3	41.8	41.0	40.8	40.6	40.1	39.0	37.1	34.7	31.9	29.2	26.7	24.5*
20-24	107.6	106.7	105.4	104.2	102.8	102.8	103.3	103.2	102.1	99.6	95.5	91.0	86.7	83.3	80.8	78.6*
25-29	111.5	112.7	114.1	115.1	115.6	116.5	117.2	116.8	115.8	114.1	111.9	109.6	107.6	106.5	105.7	104.7*
30-34	87.6	89.6	91.7	93.5	94.6	96.0	97.6	98.3	98.6	98.5	97.9	97.2	96.9	97.6	98.7	100.0*
35-39	38.1	39.3	40.7	42.2	43.5	45.0	46.2	46.8	46.9	46.8	46.7	46.8	47.3	48.3	49.5	50.6*
40-44	7.6	7.8	8.1	8.4	8.6	8.9	9.2	9.4	9.6	9.8	10.0	10.1	10.3	10.4	10.5	10.7*
45-49**	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8*
<b>Delaware</b>																
General	61.7	62.4	63.1	63.8	64.3	65.4	66.4	67.0	66.9	66.5	65.9	64.7	63.5	63.1	62.9	62.5
10-14	1.3	1.2	1.0	0.9	0.8	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.4
15-19	49.6	48.5	47.3	45.8	44.8	44.1	43.3	42.6	41.1	39.1	36.6	33.6	30.5	27.6	24.8	22.6
20-24	96.6	98.0	98.3	97.7	97.4	100.1	103.3	104.9	105.2	103.4	99.4	93.9	88.8	84.2	81.0	77.3
25-29	108.8	111.6	113.8	115.4	115.4	114.6	112.5	111.6	110.0	109.2	110.1	110.6	110.0	111.1	111.3	110.2
30-34	86.5	88.5	91.3	94.1	96.1	98.9	101.9	102.3	102.3	101.4	99.1	96.3	95.0	95.4	97.0	99.8
35-39	34.8	36.0	37.1	38.7	40.3	42.2	43.5	44.8	44.9	45.3	46.0	46.9	46.9	47.8	49.1	49.0
40-44	6.2	6.5	6.8	7.3	7.5	7.5	7.8	8.0	8.1	8.3	8.6	8.7	9.0	9.4	9.6	9.8
45-49**	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.6	0.5	0.6	0.6	0.5	0.6	0.7
<b>Kent</b>																
General	65.2	65.8	66.4	66.0	66.3	67.0	67.7	67.6	68.0	67.4	66.5	65.9	64.9	64.7	64.5	64.7
10-14	1.2	1.2	1.0	0.9	1.0	0.9	0.8	0.8	0.6	0.4	0.4	0.3	0.3	0.2	0.3	0.3
15-19	54.7	52.5	51.6	48.7	47.7	45.2	44.9	43.6	42.1	39.6	37.4	34.4	31.1	28.4	24.9	23.7
20-24	133.3	133.5	132.5	130.2	125.4	124.5	125.2	120.7	120.3	116.8	112.0	107.7	104.9	101.4	100.1	98.2
25-29	116.1	120.1	119.8	119.3	120.0	120.0	118.9	117.5	116.8	115.5	115.4	114.1	113.6	114.4	115.0	116.3
30-34	72.5	73.0	76.2	77.9	80.2	83.4	85.2	86.6	87.7	87.3	86.0	85.8	85.0	85.7	86.2	87.1
35-39	27.8	29.2	30.3	30.5	32.0	34.3	34.7	37.0	36.9	37.0	35.7	37.8	36.7	38.3	40.7	41.3
40-44	4.8	5.1	5.4	5.6	6.2	6.7	6.8	6.7	6.8	7.0	6.9	7.3	7.7	7.8	7.8	8.5
45-49**	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.2	0.3	0.4	0.6	0.6	0.7	0.6	0.5	0.5
<b>New Castle</b>																
General	59.5	60.3	61.0	61.6	61.9	63.0	63.5	63.8	63.5	63.1	62.7	61.6	60.5	60.2	60.0	59.4
10-14	1.2	1.0	0.9	0.8	0.6	0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.3
15-19	42.7	43.0	42.4	41.4	40.2	40.0	38.3	37.2	35.9	34.3	32.3	29.8	27.1	24.3	21.8	19.3
20-24	76.9	78.2	78.8	77.7	78.2	82.0	85.3	88.1	89.3	88.6	85.2	79.9	75.4	71.2	67.8	63.7
25-29	103.9	106.5	108.8	109.9	108.7	106.8	102.8	101.0	99.3	98.9	101.3	104.0	104.8	107.2	107.7	105.5
30-34	93.0	94.9	96.8	99.6	101.4	104.0	107.6	108.5	107.9	106.1	102.9	98.3	96.0	96.3	98.8	102.7
35-39	39.4	40.1	41.4	43.0	44.6	46.3	47.7	48.3	48.1	48.5	49.7	50.1	50.6	51.2	51.4	50.6
40-44	6.9	7.2	7.4	8.0	8.1	8.1	8.6	8.9	8.9	9.2	9.6	9.3	9.5	9.9	10.2	10.3
45-49**	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.8
<b>Sussex</b>																
General	66.9	67.3	68.2	70.4	71.6	73.2	75.8	77.8	77.9	77.8	76.4	74.9	72.6	71.5	71.0	71.0
10-14	1.8	1.7	1.4	1.3	1.1	1.1	1.0	1.0	1.0	0.9	0.8	0.6	0.5	0.4	0.5	0.5
15-19	72.1	64.9	60.7	58.1	57.3	56.4	58.5	60.0	58.6	55.5	51.1	46.1	41.5	38.2	34.9	32.6
20-24	149.4	153.0	152.5	154.7	151.4	148.2	147.8	147.2	142.0	136.6	131.0	124.6	115.9	109.4	104.9	101.4
25-29	122.7	124.3	128.5	134.5	139.1	142.8	148.8	152.5	148.8	145.2	138.1	130.4	123.2	120.0	118.5	118.0
30-34	73.7	77.5	83.2	87.6	90.6	94.4	97.0	95.2	96.8	99.2	98.9	100.6	103.2	103.8	102.8	104.0
35-39	24.7	27.0	28.0	30.8	32.3	34.6	36.0	39.0	40.6	42.1	43.4	45.0	44.2	45.8	49.7	51.5
40-44	4.9	5.4	5.8	6.3	6.3	6.3	6.1	6.2	6.4	6.6	7.1	8.1	8.6	9.2	9.3	9.4
45-49**	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.5	0.4	0.4	0.6	0.6	0.4	0.5	0.6

**Notes:**

1. Historical rates may change from one annual report to another due to refinements in the population estimates. Therefore, historical trends should not be examined by comparing rates from previous annual reports.
  2. General fertility rates represent the total number of live births per 1,000 women 15-44 years of age.
  3. Age-specific live birth rates represent the number of live births in a specific age category per 1,000 women in that age category.
- \*\* The number of births shown is the total for women aged 45-54 years. The birth rate is computed by dividing births to women aged 45-54 years by women aged 45-49 years, because most of the births in this group are to women aged 45-49.

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

**TABLE C-7. FIVE-YEAR GENERAL FERTILITY AND AGE-SPECIFIC LIVE BIRTH RATES BY COUNTY, U.S., AND DELAWARE, 1997-2016**

**WHITE**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>																
General	64.1	64.6	65.2	65.7	66.0	66.7	67.6	67.9	67.9	67.4	66.4	65.1	63.9	63.3	63.0	N/A
10-14	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.2	N/A
15-19	43.7	42.4	41.1	39.7	38.5	37.9	37.7	37.6	37.1	36.2	34.5	32.3	29.8	27.3	25.2	N/A
20-24	104.8	104.2	103.3	102.2	101.1	101.1	101.5	101.3	100.1	97.6	93.5	88.9	84.7	81.4	78.9	N/A
25-29	114.9	116.5	118.1	119.3	119.9	120.8	121.4	120.9	119.6	117.8	115.5	112.9	110.8	109.6	108.7	N/A
30-34	91.0	93.3	95.6	97.5	98.7	100.1	101.6	102.3	102.5	102.3	101.8	100.9	100.5	101.0	102.0	N/A
35-39	38.7	40.0	41.5	43.1	44.6	46.1	47.3	47.8	47.8	47.6	47.4	47.4	47.8	48.7	49.8	N/A
40-44	7.5	7.8	8.0	8.3	8.6	8.8	9.1	9.3	9.5	9.7	9.8	10.0	10.0	10.1	10.2	N/A
45-49**	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	N/A
<b>Delaware</b>																
General	60.2	60.7	61.3	62.0	62.8	64.1	65.0	66.0	66.1	65.8	65.5	65.0	63.9	63.6	63.4	62.9
10-14	0.6	0.6	0.6	0.5	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.2	0.2
15-19	37.1	36.5	36.3	35.6	35.6	35.9	35.5	35.3	34.5	32.8	31.0	29.1	26.4	24.4	22.1	20.1
20-24	84.5	85.6	85.9	86.1	87.1	90.5	94.0	96.8	98.2	96.4	93.0	88.5	83.3	79.0	75.7	72.0
25-29	114.8	116.5	117.7	118.2	118.2	117.2	114.2	113.2	111.9	111.5	112.8	114.5	114.2	115.4	115.0	113.3
30-34	96.1	98.4	100.9	103.7	105.2	108.1	110.6	111.4	110.7	109.5	106.7	103.7	101.8	101.8	103.1	105.7
35-39	37.1	38.3	39.3	41.0	43.0	44.8	46.0	47.9	47.8	47.9	48.5	49.2	48.9	49.6	50.6	49.8
40-44	6.5	6.8	7.0	7.4	7.5	7.5	7.6	7.7	7.7	8.0	8.5	8.8	9.1	9.6	9.8	9.9
45-49**	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.5	0.7
<b>Kent</b>																
General	65.9	66.5	67.0	66.4	66.8	67.8	68.5	68.9	69.9	69.5	69.1	69.1	68.0	67.8	67.7	66.9
10-14	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2
15-19	49.7	46.2	44.5	40.2	38.2	35.8	36.3	35.2	34.5	32.4	31.3	28.1	24.9	23.6	21.1	19.1
20-24	138.4	143.7	144.3	142.3	136.5	131.7	126.4	119.5	116.8	111.7	106.1	103.0	99.8	96.1	93.6	91.7
25-29	124.9	127.3	127.7	128.0	131.1	136.1	140.3	141.2	142.3	140.1	137.6	131.5	126.9	125.3	122.5	121.6
30-34	77.5	78.9	82.5	84.6	87.7	92.1	94.0	97.1	99.8	101.0	102.9	107.3	107.3	107.8	108.0	104.4
35-39	28.5	30.4	31.9	32.1	34.0	35.9	36.3	38.9	39.3	39.5	38.1	40.3	39.1	39.9	42.9	43.2
40-44	5.0	5.2	5.3	5.7	6.2	6.4	6.5	6.6	6.5	6.4	6.4	7.0	7.4	7.7	7.9	8.5
45-49**	0.6	0.5	0.6	0.4	0.5	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.5	0.4	0.4
<b>New Castle</b>																
General	58.0	58.6	59.2	59.6	60.2	61.3	61.8	62.1	61.6	61.1	60.7	59.6	58.8	58.6	58.2	57.3
10-14	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.4	0.3	0.2	0.1	0.2
15-19	29.4	30.8	31.3	31.2	31.5	32.2	31.1	30.1	29.3	27.6	26.0	24.1	22.0	19.9	18.0	15.9
20-24	62.3	62.5	63.3	62.8	64.4	68.4	73.1	76.6	79.5	78.7	76.2	70.8	66.5	63.2	59.6	55.1
25-29	109.0	110.7	112.1	111.1	108.4	105.1	98.8	95.3	93.4	93.1	95.8	100.5	103.1	106.2	106.7	104.1
30-34	105.1	107.2	108.9	111.3	111.7	114.3	117.4	117.9	115.1	111.6	106.4	99.8	96.1	95.6	97.9	102.4
35-39	42.4	43.2	44.3	46.2	48.4	50.1	51.6	52.6	51.8	51.7	52.4	52.1	52.7	52.8	51.8	49.9
40-44	7.3	7.6	7.8	8.1	8.3	8.1	8.4	8.7	8.5	9.0	9.6	9.6	9.7	10.2	10.4	10.3
45-49**	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.8
<b>Sussex</b>																
General	63.4	63.6	63.8	66.3	68.3	70.4	72.1	75.9	76.7	77.3	77.0	77.7	75.4	74.7	74.9	75.3
10-14	1.1	1.1	0.9	0.6	0.6	0.6	0.5	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.3	0.4
15-19	55.5	48.3	45.7	45.0	45.3	46.9	48.0	51.3	50.3	49.2	46.1	45.1	40.6	38.4	35.2	33.2
20-24	136.9	141.5	138.9	142.2	140.2	139.1	136.3	138.4	134.3	129.7	125.3	122.4	113.8	106.7	103.6	100.8
25-29	128.1	128.5	129.8	136.4	144.3	148.3	154.5	162.9	159.8	155.5	149.0	142.5	133.7	129.9	128.4	128.3
30-34	79.5	83.7	88.4	93.7	97.9	101.4	102.8	103.1	106.2	110.2	111.3	115.0	118.7	119.3	117.1	117.7
35-39	26.5	28.5	29.1	31.8	33.6	35.5	36.7	40.8	42.5	43.5	45.9	48.5	46.4	48.4	53.8	55.5
40-44	5.0	5.5	6.1	6.4	6.4	6.3	6.0	6.0	6.3	6.5	7.1	8.0	8.8	9.6	9.7	9.8
45-49**	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.4	0.4	0.4	0.5	0.5	0.3	0.4	0.6

**Notes:**

1. Historical rates may change from one annual report to another due to refinements in the population estimates. Therefore, historical trends should not be examined by comparing rates from previous annual reports.
  2. General fertility rates represent the total number of live births per 1,000 women 15-44 years of age.
  3. Age-specific live birth rates represent the number of live births in a specific age category per 1,000 women in that age category.
- \*\* The number of births shown is the total for women aged 45-54 years. The birth rate is computed by dividing births to women aged 45-54 years by women aged 45-49 years, because most of the births in this group are to women aged 45-49.

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

**TABLE C-8. FIVE-YEAR GENERAL FERTILITY AND AGE-SPECIFIC LIVE BIRTH RATES BY COUNTY, U.S., AND DELAWARE , 1996-2015**

**BLACK**

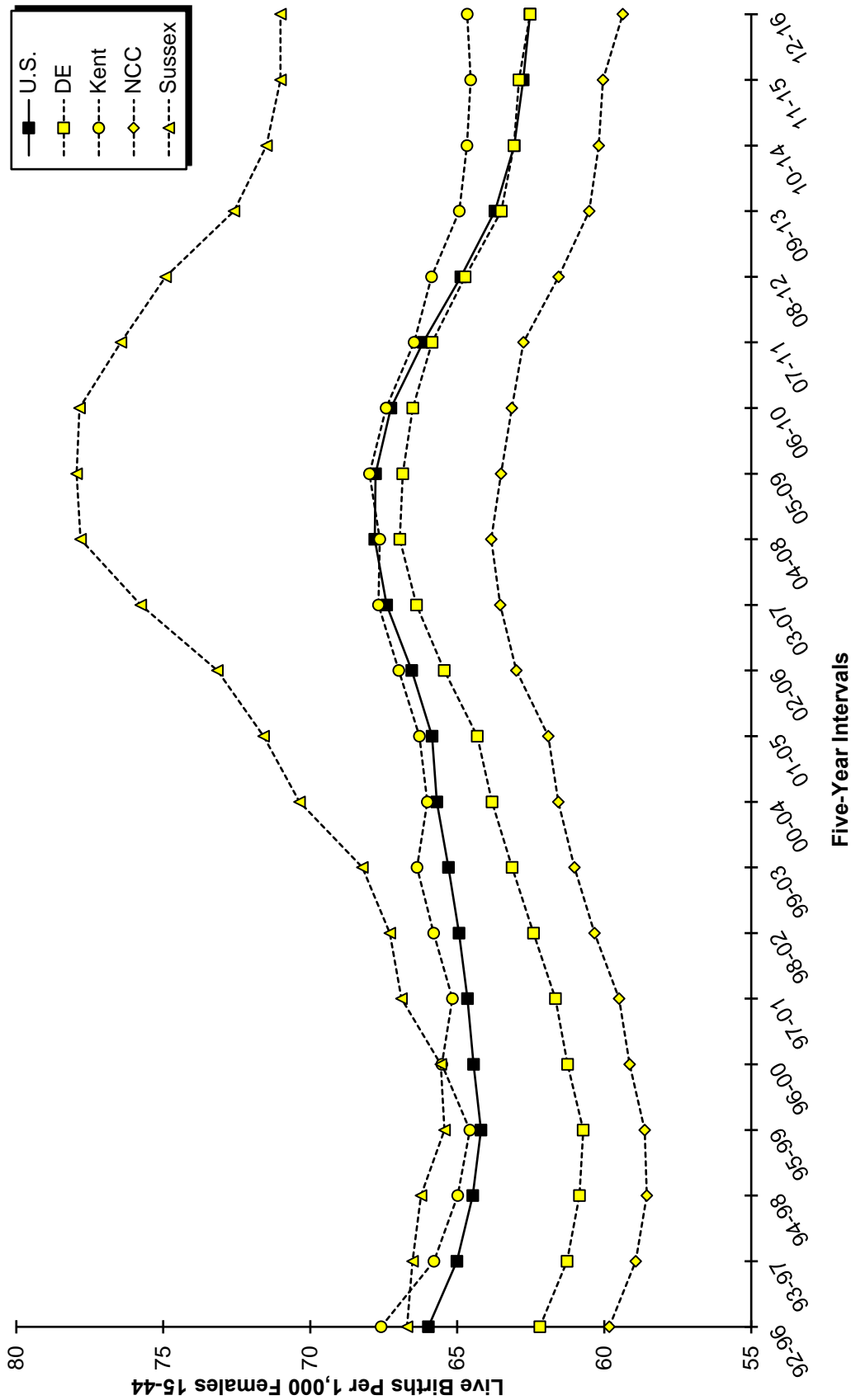
Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>																
General	68.9	68.2	67.5	67.3	67.0	67.8	69.0	69.9	70.2	69.7	68.5	67.2	66.0	65.1	64.7	N/A
10-14	2.5	2.3	2.0	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.7	N/A
15-19	79.4	75.3	71.0	67.5	64.1	62.4	61.7	61.2	60.2	58.4	55.5	51.9	47.8	43.5	39.6	N/A
20-24	136.9	135.1	132.5	130.5	128.5	129.0	130.6	131.5	130.9	128.3	123.4	118.2	113.2	108.8	105.6	N/A
25-29	98.0	98.9	99.7	101.1	102.4	104.7	106.9	108.1	108.2	107.1	105.3	103.5	102.4	102.0	102.0	N/A
30-34	63.8	64.2	64.8	65.8	66.8	68.5	70.6	72.2	73.4	73.9	73.9	73.9	74.4	75.6	77.3	N/A
35-39	30.5	31.0	31.6	32.3	33.0	33.9	34.9	35.6	36.1	36.4	36.7	37.2	38.0	39.3	40.7	N/A
40-44	6.8	7.0	7.2	7.5	7.7	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.5	9.7	10.0	N/A
45-49**	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.7	0.8	N/A
<b>Delaware</b>																
General	68.9	68.9	69.2	69.4	69.4	69.5	70.7	71.1	71.1	71.1	70.6	68.8	67.6	66.3	65.9	65.3
10-14	3.3	2.9	2.3	2.1	1.7	1.6	1.4	1.5	1.4	1.5	1.4	1.3	1.0	0.9	0.8	0.7
15-19	90.9	86.9	82.0	77.8	73.4	69.9	67.2	65.6	62.9	60.0	56.4	51.4	47.1	41.8	37.1	33.8
20-24	146.4	144.6	142.2	137.8	133.7	133.8	135.5	134.9	133.2	131.8	128.0	121.9	116.7	111.0	107.5	103.0
25-29	96.8	100.5	103.9	106.9	108.0	105.3	104.2	104.2	102.5	101.7	103.1	102.4	102.4	102.8	104.7	104.4
30-34	57.7	58.2	61.2	64.0	68.4	71.7	76.9	78.1	81.0	80.5	78.9	76.4	75.4	75.6	77.0	79.8
35-39	26.2	27.3	29.2	30.3	31.1	33.1	35.2	35.7	37.1	39.4	41.4	42.8	44.5	45.3	46.4	46.5
40-44	4.9	5.2	5.3	6.4	6.9	7.1	7.9	8.6	8.9	9.2	9.4	9.2	9.1	9.2	9.5	9.9
45-49**	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.5	0.6	0.6	0.6	0.7	0.7	0.6	0.5	0.6
<b>Kent</b>																
General	66.4	67.3	69.1	68.9	69.1	69.2	70.8	69.9	69.9	69.6	68.2	66.1	65.1	64.3	64.2	65.1
10-14	3.0	3.1	2.2	2.1	2.5	2.2	2.0	1.9	1.3	0.8	0.8	0.4	0.3	0.4	0.6	0.6
15-19	68.0	70.3	73.6	75.9	77.0	74.8	71.7	69.7	65.6	63.5	58.2	55.6	50.8	44.5	37.0	36.4
20-24	131.5	121.1	118.9	115.1	111.4	117.5	130.8	132.5	139.6	141.7	139.5	131.9	129.2	125.8	127.9	125.1
25-29	97.1	105.8	107.4	104.0	102.2	90.9	84.5	81.2	80.0	79.3	83.3	88.0	93.8	98.7	107.1	112.8
30-34	58.3	56.8	60.5	59.8	61.6	63.4	67.4	67.1	67.6	65.8	60.6	53.9	51.9	52.9	52.9	57.8
35-39	24.8	25.2	25.4	25.4	26.6	30.2	31.9	33.7	33.4	34.5	34.4	36.6	36.9	38.7	39.8	39.5
40-44	4.1	4.9	5.1	5.2	6.1	7.0	7.8	8.0	8.8	9.9	9.6	8.7	9.0	8.9	7.8	8.8
45-49**	0.0	0.2	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.6	0.9	0.8	1.1	1.3	0.9	0.7
<b>New Castle</b>																
General	67.5	68.0	68.0	67.9	67.7	68.2	68.8	69.5	69.6	69.9	69.6	68.0	66.7	65.2	65.0	63.9
10-14	3.1	2.6	2.1	1.8	1.3	1.2	1.2	1.2	1.3	1.4	1.3	1.3	0.9	0.9	0.7	0.7
15-19	92.0	87.0	80.6	74.9	68.3	65.3	61.4	59.7	57.2	55.3	52.5	48.1	43.8	39.1	35.0	30.9
20-24	140.7	144.8	143.6	138.1	133.3	133.3	130.3	128.6	125.0	123.6	118.5	112.4	106.9	100.1	96.1	91.0
25-29	95.4	98.8	101.7	105.8	108.1	108.2	109.0	111.4	110.8	109.8	110.4	108.0	105.8	104.9	105.2	103.1
30-34	59.0	59.9	62.2	66.2	71.8	75.3	81.0	83.6	88.1	88.5	88.4	87.3	87.3	87.4	89.1	90.5
35-39	28.5	29.6	31.7	32.7	33.5	34.9	37.1	37.4	39.0	41.2	44.0	45.3	46.5	47.1	48.7	49.0
40-44	5.3	5.4	5.7	6.9	7.4	7.4	8.3	9.2	9.3	9.5	9.6	9.3	9.3	9.5	10.1	10.4
45-49**	0.3	0.2	0.2	0.2	0.4	0.4	0.4	0.6	0.7	0.7	0.6	0.6	0.5	0.4	0.4	0.6
<b>Sussex</b>																
General	78.9	75.7	75.7	77.3	78.0	76.8	80.7	81.4	80.8	79.8	80.2	77.8	77.0	75.4	74.0	73.5
10-14	4.4	3.7	3.0	3.2	2.7	2.4	2.1	2.3	2.3	2.6	2.8	2.4	2.2	2.0	1.8	1.2
15-19	120.3	108.9	98.1	92.0	90.3	83.7	87.6	87.3	86.5	78.3	73.8	61.9	58.5	51.5	48.2	45.0
20-24	195.5	183.2	177.3	177.5	175.5	163.6	165.0	166.2	159.8	154.4	155.2	151.9	145.5	142.8	135.0	132.1
25-29	103.7	102.3	111.0	117.6	117.3	116.1	118.8	115.5	110.3	109.8	108.0	102.9	101.2	99.5	98.5	98.2
30-34	50.6	50.4	56.2	56.7	56.6	60.8	66.0	62.8	62.3	62.2	63.7	67.3	67.0	67.9	71.4	73.5
35-39	16.4	18.8	20.3	22.9	23.5	26.4	28.6	27.8	30.5	35.7	36.0	37.0	45.6	46.8	45.8	47.8
40-44	4.1	4.6	4.0	5.4	5.7	5.8	5.7	6.6	7.0	6.9	8.0	9.3	8.3	7.7	8.2	8.6
45-49**	0.5	1.0	1.2	0.9	1.1	1.1	0.6	0.4	0.8	0.4	0.6	0.8	0.8	0.4	0.4	0.5

**Notes:**

1. Historical rates may change from one annual report to another due to refinements in the population estimates. Therefore, historical trends should not be examined by comparing rates from previous annual reports.
  2. General fertility rates represent the total number of live births per 1,000 women 15-44 years of age.
  3. Age-specific live birth rates represent the number of live births in a specific age category per 1,000 women in that age category.
- \*\* The number of births shown is the total for women aged 45-54 years. The birth rate is computed by dividing births to women aged 45-54 years by women aged 45-49 years, because most of the births in this group are to women aged 45-49.

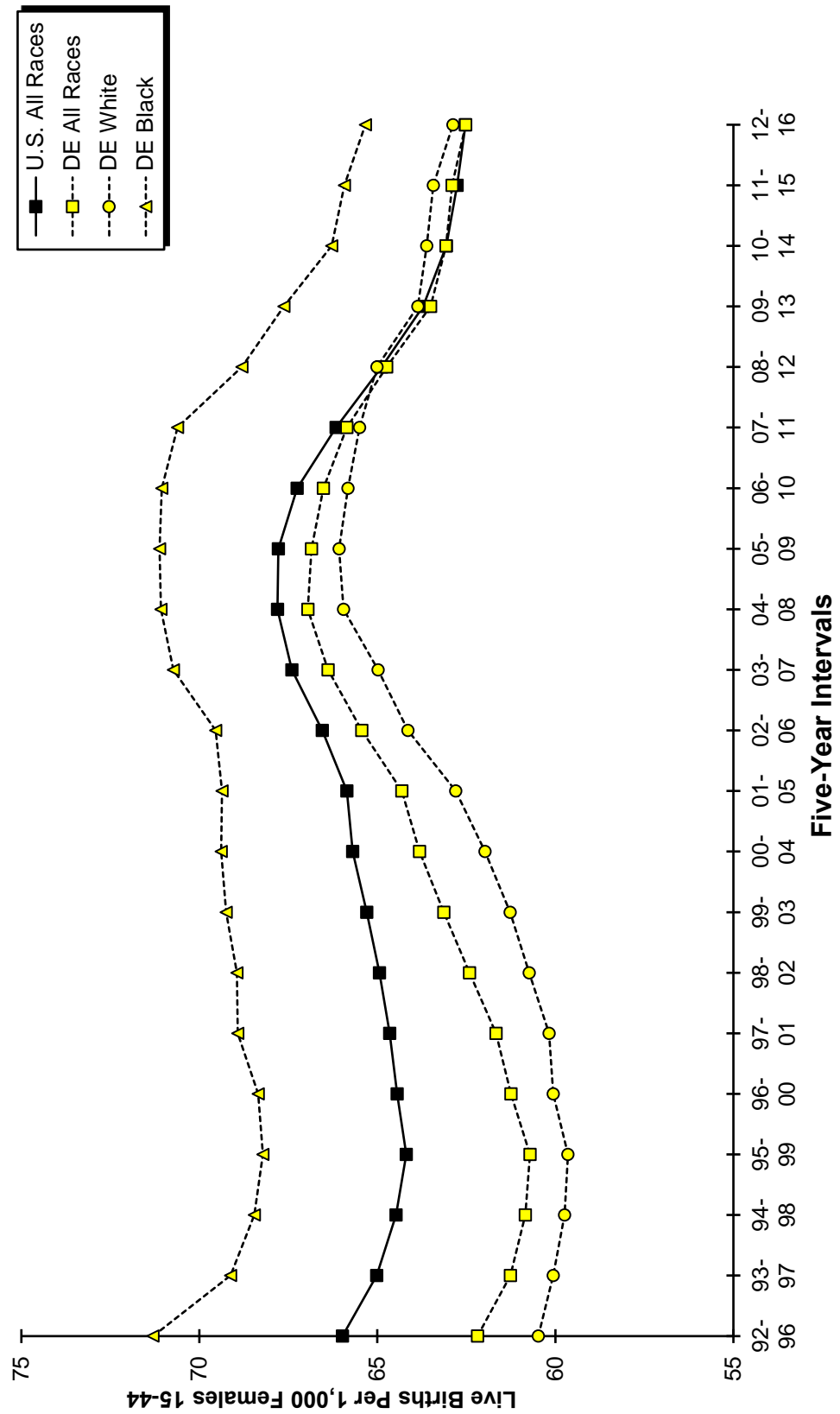
Sources: National Center for Health Statistics  
 Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-6. Five-Year Average General Fertility Rates, U.S., Delaware, and Counties, 1992-2016**



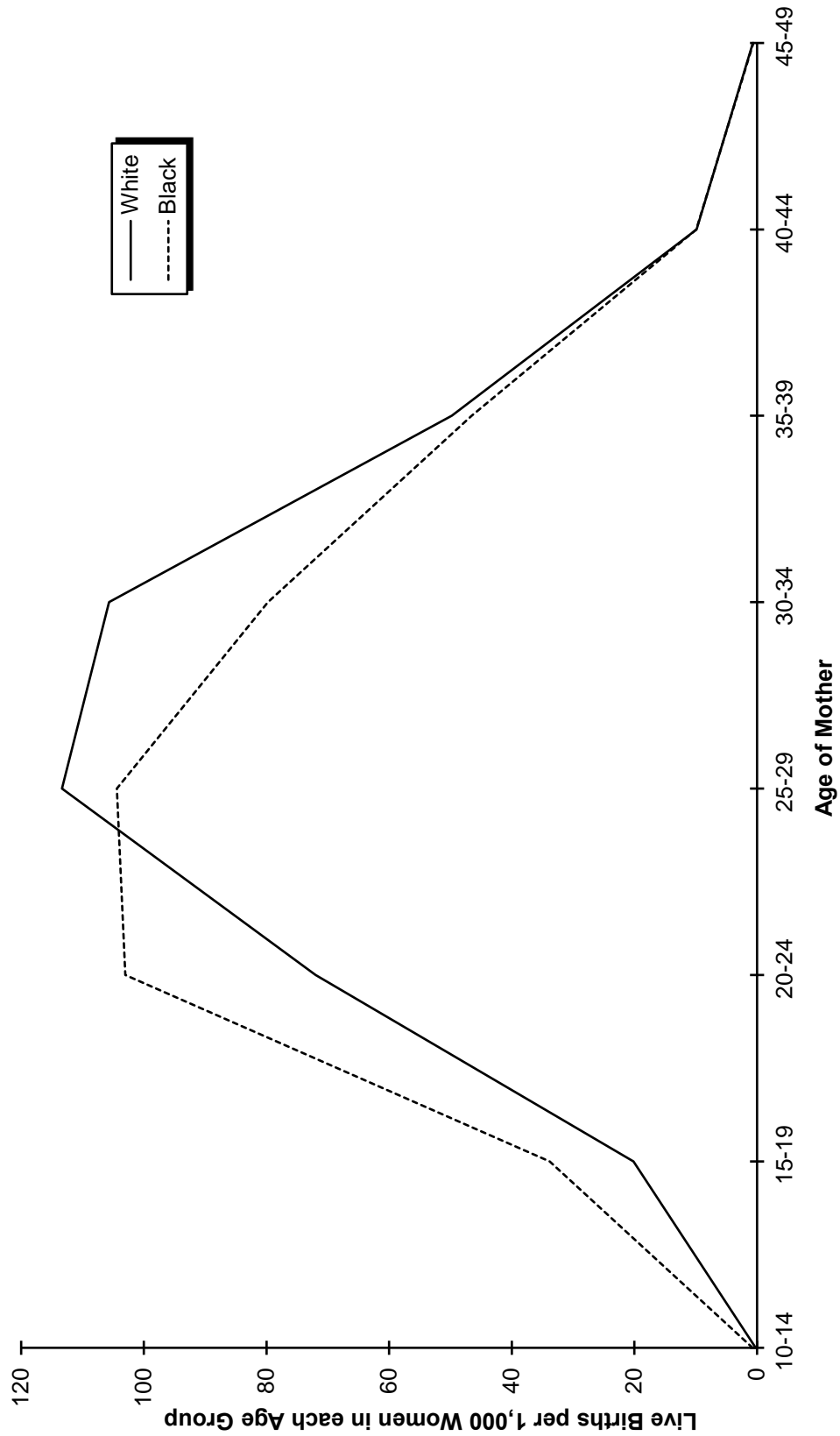
Sources: National Center for Health Statistics  
 Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-7. Five-Year Average General Fertility Rates by Race, U.S., and Delaware, 1992-2016**



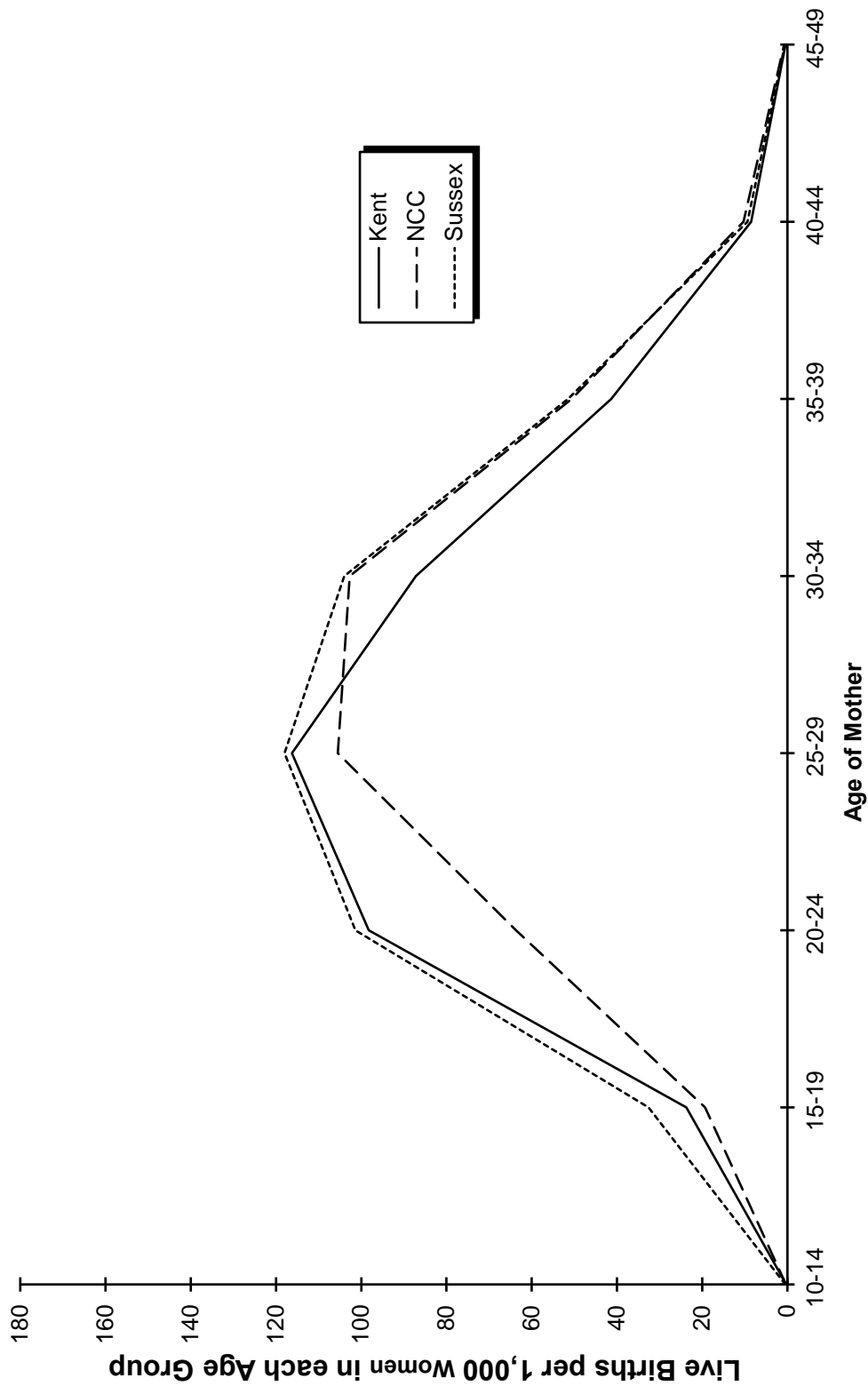
Sources: National Center for Health Statistics  
 Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-8. Five-Year Average Age-Specific Live Birth Rates by Race, Delaware, 2012-2016**



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

**Figure C-9. Five-Year Average Age-Specific Live Birth Rates by Counties, 2012-2016**



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



**TABLE C-9. NUMBER OF LIVE BIRTHS BY AGE, RACE AND HISPANIC ORIGIN OF MOTHER BY COUNTY, CITY OF WILMINGTON, AND DELAWARE 2016**

Area/ Age	Race										Hispanic Origin**
	All Races	White	Black	American Indian*	Asian or Pacific Islander (API)					All Other	
					Chinese	Japanese	Hawaiian	Filipino	Other API		
<b>Delaware</b>	10,967	7,051	3,014	26	113	2	3	49	485	187	1,543
<15	14	7	6	0	0	0	0	0	0	1	4
15-17	147	70	69	1	0	0	0	0	0	7	42
18-19	433	240	175	1	0	0	0	0	3	14	105
20-24	2,099	1,203	793	10	4	0	0	5	36	42	371
25-29	3,303	2,171	859	6	43	0	1	15	139	55	441
30-34	3,188	2,204	674	4	41	1	1	14	205	36	331
35-39	1,481	958	363	4	17	1	1	13	87	29	206
40+	302	198	75	0	8	0	0	2	15	3	43
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2,247	1,436	687	15	5	0	1	20	38	41	197
<15	2	1	1	0	0	0	0	0	0	0	0
15-17	36	15	17	0	0	0	0	0	0	4	6
18-19	115	53	56	1	0	0	0	0	1	4	17
20-24	518	312	182	8	0	0	0	1	4	11	52
25-29	760	528	198	1	3	0	0	4	13	10	69
30-34	538	368	135	4	1	0	1	8	14	7	29
35-39	224	126	83	1	0	0	0	5	4	4	17
40+	54	33	15	0	1	0	0	2	2	1	7
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6,430	3,821	1,903	8	102	2	0	26	423	115	827
<15	8	3	4	0	0	0	0	0	0	1	2
15-17	73	32	39	0	0	0	0	0	0	2	20
18-19	217	115	93	0	0	0	0	0	2	7	52
20-24	1,050	513	471	2	3	0	0	4	29	24	197
25-29	1,851	1,087	545	3	38	0	0	9	124	34	239
30-34	2,043	1,329	457	0	39	1	0	5	180	25	182
35-39	994	618	244	3	16	1	0	8	76	21	112
40+	194	124	50	0	6	0	0	0	12	1	23
Unknown	0	0	0	0	0	0	0	0	0	0	0
Wilmington	983	366	579	2	5	0	0	1	10	18	142
<15	3	1	2	0	0	0	0	0	0	0	0
15-17	23	5	17	0	0	0	0	0	0	1	6
18-19	59	16	42	0	0	0	0	0	0	1	14
20-24	229	52	172	1	0	0	0	0	1	3	38
25-29	279	90	178	1	2	0	0	1	3	2	37
30-34	259	132	116	0	1	0	0	0	3	7	32
35-39	106	58	41	0	2	0	0	0	1	4	15
40+	25	12	11	0	0	0	0	0	2	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County	5,447	3,455	1,324	6	97	2	0	25	413	97	685
<15	5	2	2	0	0	0	0	0	0	1	2
15-17	50	27	22	0	0	0	0	0	0	1	14
18-19	158	99	51	0	0	0	0	0	2	6	38
20-24	821	461	299	1	3	0	0	4	28	21	159
25-29	1,572	997	367	2	36	0	0	8	121	32	202
30-34	1,784	1,197	341	0	38	1	0	5	177	18	150
35-39	888	560	203	3	14	1	0	8	75	17	97
40+	169	112	39	0	6	0	0	0	10	1	23
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2,290	1,794	424	3	6	0	2	3	24	31	519
<15	4	3	1	0	0	0	0	0	0	0	2
15-17	38	23	13	1	0	0	0	0	0	1	16
18-19	101	72	26	0	0	0	0	0	0	3	36
20-24	531	378	140	0	1	0	0	0	3	7	122
25-29	692	556	116	2	2	0	1	2	2	11	133
30-34	607	507	82	0	1	0	0	1	11	4	120
35-39	263	214	36	0	1	0	1	0	7	4	77
40+	54	41	10	0	1	0	0	0	1	1	13
Unknown	0	0	0	0	0	0	0	0	0	0	0

Notes:

\*Includes any births that may have occurred to Aleut and Eskimo mothers.

\*\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-10. NUMBER OF LIVE BIRTHS TO MARRIED MOTHERS BY AGE OF MOTHER AND AGE OF FATHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Age of Mother	Age of Father									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	5,942	0	1	11	280	1,227	2,190	1,370	743	120
<15	0	0	0	0	0	0	0	0	0	0
15-17	2	0	1	0	0	0	0	1	0	0
18-19	36	0	0	6	16	11	0	0	1	2
20-24	499	0	0	2	200	200	65	11	10	11
25-29	1,798	0	0	1	50	833	655	165	54	40
30-34	2,321	0	0	1	10	158	1,277	614	220	41
35-39	1,073	0	0	1	3	22	183	535	309	20
40+	213	0	0	0	1	3	10	44	149	6
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	1,193	0	0	2	123	326	391	216	120	15
<15	0	0	0	0	0	0	0	0	0	0
15-17	0	0	0	0	0	0	0	0	0	0
18-19	13	0	0	1	9	2	0	0	1	0
20-24	162	0	0	1	87	62	9	1	2	0
25-29	445	0	0	0	22	217	156	37	5	8
30-34	383	0	0	0	3	38	197	88	52	5
35-39	156	0	0	0	1	6	26	81	40	2
40+	34	0	0	0	1	1	3	9	20	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	3,617	0	0	9	92	641	1,395	924	488	68
<15	0	0	0	0	0	0	0	0	0	0
15-17	0	0	0	0	0	0	0	0	0	0
18-19	16	0	0	5	4	6	0	0	0	1
20-24	198	0	0	1	66	82	37	5	2	5
25-29	997	0	0	1	17	446	388	93	32	20
30-34	1,528	0	0	1	4	96	851	422	129	25
35-39	733	0	0	1	1	10	114	374	220	13
40+	145	0	0	0	0	1	5	30	105	4
Unknown	0	0	0	0	0	0	0	0	0	0
Wilmington	309	0	0	2	11	51	121	81	34	9
<15	0	0	0	0	0	0	0	0	0	0
15-17	0	0	0	0	0	0	0	0	0	0
18-19	1	0	0	1	0	0	0	0	0	0
20-24	21	0	0	0	9	6	4	1	0	1
25-29	85	0	0	1	2	34	30	12	2	4
30-34	125	0	0	0	0	9	77	28	9	2
35-39	60	0	0	0	0	2	9	36	11	2
40+	17	0	0	0	0	0	1	4	12	0
Unknown	0	0	0	0	0	0	0	0	0	0
Balance of NC County	3,308	0	0	7	81	590	1,274	843	454	59
<15	0	0	0	0	0	0	0	0	0	0
15-17	0	0	0	0	0	0	0	0	0	0
18-19	15	0	0	4	4	6	0	0	0	1
20-24	177	0	0	1	57	76	33	4	2	4
25-29	912	0	0	0	15	412	358	81	30	16
30-34	1,403	0	0	1	4	87	774	394	120	23
35-39	673	0	0	1	1	8	105	338	209	11
40+	128	0	0	0	0	1	4	26	93	4
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	1,132	0	1	0	65	260	404	230	135	37
<15	0	0	0	0	0	0	0	0	0	0
15-17	2	0	1	0	0	0	0	1	0	0
18-19	7	0	0	0	3	3	0	0	0	1
20-24	139	0	0	0	47	56	19	5	6	6
25-29	356	0	0	0	11	170	111	35	17	12
30-34	410	0	0	0	3	24	229	104	39	11
35-39	184	0	0	0	1	6	43	80	49	5
40+	34	0	0	0	0	1	2	5	24	2
Unknown	0	0	0	0	0	0	0	0	0	0

Note:

This table only includes births to married mothers since information regarding the father is not usually collected when the mother is single. See Technical Notes for details.

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

**TABLE C-11. NUMBER OF LIVE BIRTHS BY EDUCATION AND AGE OF MOTHER BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Education	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10,967	14	147	433	2,099	3,303	3,188	1,481	302	0
<9	571	8	15	26	79	163	155	104	21	0
9 to 11	1,083	5	117	157	297	241	161	84	21	0
H.S. Graduate	2,953	0	13	199	977	922	549	243	50	0
1 to 3 College	2,816	0	1	51	626	1,020	745	306	67	0
4+ College	3,486	0	0	0	109	936	1,563	737	141	0
Unknown	58	1	1	0	11	21	15	7	2	0
<b>Kent</b>	2,247	2	36	115	518	760	538	224	54	0
<9	90	2	2	0	18	30	16	20	2	0
9 to 11	251	0	29	46	76	50	29	16	5	0
H.S. Graduate	617	0	5	58	207	203	96	40	8	0
1 to 3 College	709	0	0	11	186	273	165	58	16	0
4+ College	561	0	0	0	27	196	227	88	23	0
Unknown	19	0	0	0	4	8	5	2	0	0
<b>New Castle</b>	6,430	8	73	217	1,050	1,851	2,043	994	194	0
<9	240	4	10	10	25	67	71	42	11	0
9 to 11	529	3	54	84	138	117	83	41	9	0
H.S. Graduate	1,683	0	8	101	538	514	330	159	33	0
1 to 3 College	1,480	0	0	22	274	528	422	195	39	0
4+ College	2,470	0	0	0	72	615	1,130	552	101	0
Unknown	28	1	1	0	3	10	7	5	1	0
<b>Wilmington</b>	983	3	23	59	229	279	259	106	25	0
<9	39	2	3	2	3	13	11	5	0	0
9 to 11	150	1	15	28	37	34	24	10	1	0
H.S. Graduate	383	0	4	25	137	117	73	21	6	0
1 to 3 College	189	0	0	4	45	65	46	26	3	0
4+ College	214	0	0	0	6	47	103	43	15	0
Unknown	8	0	1	0	1	3	2	1	0	0
<b>Balance of NC County</b>	5,447	5	50	158	821	1,572	1,784	888	169	0
<9	201	2	7	8	22	54	60	37	11	0
9 to 11	379	2	39	56	101	83	59	31	8	0
H.S. Graduate	1,300	0	4	76	401	397	257	138	27	0
1 to 3 College	1,291	0	0	18	229	463	376	169	36	0
4+ College	2,256	0	0	0	66	568	1,027	509	86	0
Unknown	20	1	0	0	2	7	5	4	1	0
<b>Sussex</b>	2,290	4	38	101	531	692	607	263	54	0
<9	241	2	3	16	36	66	68	42	8	0
9 to 11	303	2	34	27	83	74	49	27	7	0
H.S. Graduate	653	0	0	40	232	205	123	44	9	0
1 to 3 College	627	0	1	18	166	219	158	53	12	0
4+ College	455	0	0	0	10	125	206	97	17	0
Unknown	11	0	0	0	4	3	3	0	1	0

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

**TABLE C-12. NUMBER AND PERCENT OF LIVE BIRTHS BY EDUCATION AND RACE AND HISPANIC ORIGIN OF MOTHER BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Education	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10,967	100.0	7,051	100.0	3,014	100.0	865	100.0	1,543	100.0
<9	571	5.2	486	6.9	47	1.6	37	4.3	389	25.2
9 to 11	1,083	9.9	650	9.2	383	12.7	50	5.8	284	18.4
H.S. Grad.	2,953	26.9	1,655	23.5	1,177	39.1	116	13.4	444	28.8
1 to 3 College	2,816	25.7	1,824	25.9	851	28.2	132	15.3	287	18.6
4+ College	3,486	31.8	2,412	34.2	537	17.8	526	60.8	121	7.8
Unknown	58	0.5	24	0.3	19	0.6	4	0.5	18	1.2
<b>Kent</b>	2,247	100.0	1,436	100.0	687	100.0	120	100.0	197	100.0
<9	90	4.0	73	5.1	12	1.7	5	4.2	21	10.7
9 to 11	251	11.2	142	9.9	95	13.8	14	11.7	27	13.7
H.S. Grad.	617	27.5	364	25.3	232	33.8	21	17.5	62	31.5
1 to 3 College	709	31.6	454	31.6	218	31.7	37	30.8	61	31.0
4+ College	561	25.0	397	27.6	122	17.8	42	35.0	21	10.7
Unknown	19	0.8	6	0.4	8	1.2	1	0.8	5	2.5
<b>New Castle</b>	6,430	100.0	3,821	100.0	1,903	100.0	676	100.0	827	100.0
<9	240	3.7	189	4.9	25	1.3	25	3.7	149	18.0
9 to 11	529	8.2	295	7.7	208	10.9	26	3.8	156	18.9
H.S. Grad.	1,683	26.2	842	22.0	753	39.6	83	12.3	271	32.8
1 to 3 College	1,480	23.0	882	23.1	515	27.1	75	11.1	153	18.5
4+ College	2,470	38.4	1,603	42.0	392	20.6	464	68.6	88	10.6
Unknown	28	0.4	10	0.3	10	0.5	3	0.4	10	1.2
Wilmington	983	100.0	366	100.0	579	100.0	36	100.0	142	100.0
<9	39	4.0	26	7.1	11	1.9	2	5.6	14	9.9
9 to 11	150	15.3	36	9.8	107	18.5	7	19.4	37	26.1
H.S. Grad.	383	39.0	89	24.3	289	49.9	4	11.1	46	32.4
1 to 3 College	189	19.2	58	15.8	124	21.4	7	19.4	32	22.5
4+ College	214	21.8	155	42.3	44	7.6	15	41.7	11	7.7
Unknown	8	0.8	2	0.5	4	0.7	1	2.8	2	1.4
Balance of NC County	5,447	100.0	3,455	100.0	1,324	100.0	640	100.0	685	100.0
<9	201	3.7	163	4.7	14	1.1	23	3.6	135	19.7
9 to 11	379	7.0	259	7.5	101	7.6	19	3.0	119	17.4
H.S. Grad.	1,300	23.9	753	21.8	464	35.0	79	12.3	225	32.8
1 to 3 College	1,291	23.7	824	23.8	391	29.5	68	10.6	121	17.7
4+ College	2,256	41.4	1,448	41.9	348	26.3	449	70.2	77	11.2
Unknown	20	0.4	8	0.2	6	0.5	2	0.3	8	1.2
<b>Sussex</b>	2,290	100.0	1,794	100.0	424	100.0	69	100.0	519	100.0
<9	241	10.5	224	12.5	10	2.4	7	10.1	219	42.2
9 to 11	303	13.2	213	11.9	80	18.9	10	14.5	101	19.5
H.S. Grad.	653	28.5	449	25.0	192	45.3	12	17.4	111	21.4
1 to 3 College	627	27.4	488	27.2	118	27.8	20	29.0	73	14.1
4+ College	455	19.9	412	23.0	23	5.4	20	29.0	12	2.3
Unknown	11	0.5	8	0.4	1	0.2	0	0.0	3	0.6

Notes:

1. Percentages may not add to 100% due to rounding.
  2. Percentages are calculated based upon the total number of births in each race/origin category.
  3. Percentages for the categories "Other" and "Hispanic" should be interpreted with caution due to small numbers.
- \* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-13. FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**  
**ALL RACES**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	33.0	33.3	33.7	34.2	35.0	36.0	37.1	38.3	39.4	40.1	40.6	40.8	40.8	40.6	40.5	N/A
<20	78.9	79.3	79.8	80.5	81.4	82.5	83.6	84.7	85.6	86.4	87.2	87.9	88.3	88.6	88.8	N/A
20-24	48.6	49.6	50.7	51.9	53.3	54.8	56.4	57.9	59.3	60.6	61.8	62.9	63.8	64.6	65.2	N/A
25-29	23.0	23.7	24.5	25.5	26.7	28.1	29.4	30.8	31.9	32.8	33.5	34.1	34.6	35.2	35.9	N/A
30+	14.4	14.4	14.6	15.0	15.5	16.1	16.9	17.8	18.6	19.4	20.1	20.7	21.2	21.6	22.0	N/A
<b>Delaware</b>	38.0	38.9	39.8	40.5	41.8	42.9	44.1	45.4	46.4	47.0	47.6	47.7	47.6	47.4	47.2	46.6
<20	89.6	89.6	90.0	90.1	90.8	91.4	92.1	92.8	93.2	93.3	93.7	93.9	94.0	94.2	94.5	94.5
20-24	61.4	63.1	64.7	65.8	67.3	68.3	69.6	70.6	71.6	72.7	73.9	74.5	75.0	75.7	76.1	76.0
25-29	25.4	26.8	28.5	30.2	32.5	34.4	36.3	38.0	39.6	40.6	41.9	42.7	43.6	43.8	44.6	44.8
30+	14.4	14.8	15.2	15.8	16.9	17.7	18.5	19.8	20.9	21.8	22.9	24.0	24.8	25.7	26.5	26.9
<b>Kent</b>	38.8	39.2	40.0	40.6	41.5	41.8	42.8	43.6	43.9	44.0	45.0	45.1	45.0	45.0	45.7	45.7
<20	83.8	84.1	84.0	84.8	85.8	86.1	87.3	88.6	89.0	89.1	90.0	90.3	91.4	91.8	92.5	92.5
20-24	50.2	50.7	52.3	53.5	55.1	57.1	58.9	60.1	60.9	61.6	63.0	64.2	64.9	66.1	67.8	67.8
25-29	24.8	26.4	28.1	29.2	30.0	30.6	31.1	32.5	33.1	34.2	35.5	36.9	37.0	37.8	39.6	40.4
30+	16.7	16.4	16.3	16.2	17.4	17.4	18.5	19.6	20.6	20.9	22.5	22.9	23.8	24.6	25.8	26.6
<b>New Castle</b>	35.6	36.7	37.6	38.1	39.2	40.4	41.4	42.6	44.0	44.8	45.4	45.7	45.8	45.5	45.1	44.6
<20	92.4	92.0	92.3	92.0	92.4	93.0	93.5	94.3	94.9	95.1	95.3	95.4	94.9	95.1	95.3	95.4
20-24	66.4	68.3	70.1	70.8	71.8	72.2	73.5	74.2	75.5	76.8	78.1	78.5	79.1	79.8	80.1	80.4
25-29	24.0	25.3	26.9	28.8	31.3	33.5	35.6	37.3	39.1	40.3	41.8	42.6	43.7	43.9	44.2	44.5
30+	13.1	13.4	13.7	14.3	15.2	16.0	16.8	18.0	19.3	20.2	21.2	22.3	23.1	23.9	24.6	25.1
Wilmington	68.1	68.5	69.0	68.9	69.7	69.9	70.3	71.0	71.6	71.1	70.6	70.1	69.3	68.1	68.2	68.3
<20	96.5	96.2	96.0	95.8	96.0	96.4	97.0	97.6	98.1	97.9	97.9	97.7	97.5	96.9	97.1	97.2
20-24	83.5	84.3	85.1	85.3	86.1	86.6	87.6	88.3	89.5	90.0	90.7	90.5	90.8	90.9	91.5	91.0
25-29	55.0	55.9	57.7	58.5	61.9	62.8	63.4	63.5	65.8	65.4	66.7	67.9	69.7	68.0	69.4	69.4
30+	36.3	36.0	35.9	36.2	37.9	37.7	38.7	40.5	41.2	40.4	40.1	40.9	40.2	41.2	42.7	45.2
Balance of NC County	28.7	29.9	30.9	31.7	32.9	34.2	35.4	36.7	38.0	39.2	40.3	40.8	41.2	41.2	40.8	40.2
<20	90.1	89.7	90.2	90.0	90.4	91.1	91.7	92.6	93.2	93.7	94.1	94.4	93.8	94.3	94.5	94.6
20-24	60.5	62.7	65.0	65.9	67.2	67.5	68.9	69.7	71.0	72.6	74.3	75.1	76.0	76.9	77.2	77.6
25-29	18.9	20.3	21.8	24.0	26.4	28.6	30.8	32.6	34.0	35.6	37.2	38.0	39.1	39.8	39.9	40.3
30+	10.3	10.6	11.0	11.7	12.4	13.3	14.0	15.1	16.3	17.4	18.5	19.7	20.7	21.4	22.0	22.3
<b>Sussex</b>	45.7	46.6	47.6	48.8	51.0	52.4	53.9	55.3	56.1	56.2	56.6	56.1	55.8	55.4	54.9	53.5
<20	87.9	88.1	89.3	90.1	91.6	92.0	92.8	93.0	93.0	92.6	93.3	93.2	93.8	94.3	94.3	94.3
20-24	60.4	62.7	64.1	66.4	68.9	70.3	71.3	72.5	73.4	74.4	75.6	75.9	76.0	76.3	76.0	75.0
25-29	31.2	32.7	35.1	36.2	38.8	41.3	43.8	45.2	47.4	47.6	48.7	48.8	50.0	49.6	50.7	50.1
30+	18.9	20.3	21.2	22.8	24.6	26.1	26.6	28.0	28.6	29.5	30.6	31.7	32.2	33.7	34.3	33.8

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

**TABLE C-14. FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**WHITE**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	26.8	27.3	27.9	28.6	29.6	30.7	32.0	33.2	34.3	35.1	35.6	35.9	35.9	35.8	35.8	N/A
<20	72.6	73.3	74.1	75.1	76.3	77.7	79.1	80.4	81.5	82.6	83.7	84.5	85.1	85.6	85.9	N/A
20-24	40.7	41.9	43.3	44.8	46.4	48.2	49.9	51.6	53.0	54.4	55.6	56.6	57.5	58.3	54.4	N/A
25-29	18.1	18.8	19.7	20.8	22.0	23.3	24.7	26.0	27.1	28.0	28.7	29.2	29.7	30.2	31.0	N/A
30+	11.1	11.3	11.6	12.1	12.6	13.3	14.2	15.1	15.9	16.8	17.5	18.0	18.5	19.0	19.4	N/A
<b>Delaware</b>	27.2	28.5	30.0	31.1	32.9	34.5	35.7	37.3	38.6	39.2	40.1	40.5	40.4	40.4	40.4	39.9
<20	83.1	83.3	84.3	84.8	86.1	87.3	88.2	89.3	90.1	90.3	90.8	91.2	91.4	91.9	92.1	92.2
20-24	49.8	52.1	54.8	56.7	59.0	60.6	62.0	63.2	64.4	65.4	66.8	67.5	67.9	68.7	69.1	69.0
25-29	17.7	19.0	20.8	22.6	25.1	27.2	29.3	31.1	32.8	33.9	35.5	36.1	37.1	37.4	38.1	38.1
30+	9.7	10.4	10.8	11.5	12.5	13.4	13.9	15.4	16.4	17.1	18.4	19.8	20.5	21.6	22.6	23.0
<b>Kent</b>	28.6	29.0	30.1	30.9	31.9	32.5	33.7	34.4	34.6	34.7	35.7	35.7	35.7	36.2	36.5	36.3
<20	75.5	76.0	76.7	78.1	79.8	81.1	82.8	84.2	84.9	85.0	85.4	85.8	87.3	88.0	88.8	88.3
20-24	37.6	38.3	40.6	42.7	44.9	47.3	48.8	50.1	50.6	51.5	52.7	54.5	55.2	56.6	57.4	57.5
25-29	17.6	18.5	20.1	21.4	21.9	22.6	23.5	24.3	24.5	25.7	27.1	27.4	28.2	29.3	30.3	30.7
30+	12.2	12.2	12.1	11.8	13.0	12.9	14.0	15.3	16.0	15.8	17.5	18.0	18.5	19.3	20.7	21.2
<b>New Castle</b>	24.5	26.0	27.6	28.5	30.0	31.5	32.6	33.9	35.5	36.3	37.2	37.8	37.9	37.9	37.7	37.2
<20	86.8	86.5	87.1	86.6	87.5	88.5	89.3	90.4	91.5	92.1	92.6	93.1	92.5	93.1	93.1	93.7
20-24	55.4	58.0	61.0	62.3	63.9	64.7	66.4	67.4	69.1	70.5	72.0	72.4	72.9	73.7	74.4	74.8
25-29	15.8	17.3	19.2	21.2	23.8	26.2	28.2	29.9	31.9	33.4	35.3	36.1	37.4	37.8	37.9	37.9
30+	8.3	8.8	9.3	9.9	10.6	11.4	11.8	13.0	14.0	14.8	15.8	17.3	18.1	19.0	19.9	20.4
Wilmington	39.6	40.9	42.7	43.6	45.5	46.3	47.3	48.1	49.0	48.3	48.6	48.1	47.1	45.2	44.8	43.9
<20	87.5	86.1	85.4	85.9	87.4	87.9	89.9	92.2	93.4	93.6	94.8	93.4	93.7	92.4	92.8	93.2
20-24	64.4	66.7	69.5	70.4	72.1	72.8	74.9	75.6	77.8	79.6	81.7	80.0	80.5	81.4	82.1	80.8
25-29	30.5	31.7	35.8	37.3	42.3	43.9	44.8	44.7	47.5	46.9	49.0	50.4	52.2	49.0	50.0	48.8
30+	16.8	17.4	17.2	17.5	18.8	18.7	19.3	21.2	20.9	20.2	20.5	21.8	20.4	21.6	22.4	23.8
Balance of NC County	23.0	24.5	26.0	26.9	28.4	29.9	31.0	32.3	34.0	35.0	35.9	36.6	36.8	37.1	36.9	36.4
<20	86.7	86.5	87.4	86.7	87.5	88.6	89.1	90.1	91.2	91.8	92.2	93.0	92.3	93.3	93.2	93.8
20-24	54.2	56.8	59.8	61.2	62.9	63.6	65.2	66.3	67.9	69.3	70.7	71.4	72.0	72.8	73.5	74.2
25-29	14.5	16.0	17.7	19.6	22.0	24.5	26.5	28.3	30.3	32.0	33.8	34.6	35.8	36.7	36.7	36.9
30+	7.6	8.1	8.6	9.3	9.9	10.8	11.2	12.3	13.3	14.3	15.3	16.9	17.8	18.7	19.6	20.0
<b>Sussex</b>	35.4	36.7	37.9	39.7	42.7	45.0	46.5	48.7	50.0	50.0	50.7	50.8	50.4	50.0	50.0	48.8
<20	81.9	82.5	84.9	86.4	88.4	89.4	90.3	90.9	91.1	90.7	91.3	91.4	91.9	92.4	92.4	92.4
20-24	50.1	54.0	56.1	59.3	62.6	65.1	65.6	67.0	68.1	68.8	70.0	70.8	70.9	71.0	71.0	70.2
25-29	24.3	25.5	26.9	28.4	31.9	34.3	37.4	40.0	42.5	42.3	43.6	43.8	44.5	43.9	45.5	45.2
30+	14.9	16.1	16.8	18.2	20.4	21.9	22.4	24.7	26.0	26.7	28.2	29.4	30.1	31.5	32.3	31.8

Note:

Births prior to 1989 are reported by race of child. Beginning in 1989, births are reported by race of mother. See Technical Notes for details.

Sources: National Center for Health Statistics

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

**TABLE C-15. FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**BLACK**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	68.8	68.6	68.5	68.4	68.6	69.0	69.6	70.3	71.0	71.5	71.8	71.9	71.8	71.4	71.0	N/A
<20	95.7	95.7	95.8	95.9	96.0	96.2	96.4	96.6	96.8	97.0	97.2	97.3	97.3	97.3	97.2	N/A
20-24	80.4	80.7	81.0	81.3	81.7	82.2	82.9	83.6	84.4	85.3	86.0	86.6	87.1	87.4	87.5	N/A
25-29	57.0	57.4	57.9	58.7	59.7	60.8	62.0	63.0	64.0	64.8	65.6	66.1	66.7	67.2	67.8	N/A
30+	42.5	42.1	41.7	41.6	41.8	42.1	42.8	43.6	44.6	45.4	46.2	46.8	47.3	47.6	47.8	N/A
<b>Delaware</b>	72.0	71.8	71.1	70.7	70.7	70.6	70.9	71.5	71.7	72.0	72.1	72.1	71.8	71.4	71.1	70.6
<20	97.7	97.6	97.6	97.4	97.3	97.2	97.6	97.9	97.9	97.8	98.0	97.8	97.8	97.9	98.2	98.2
20-24	84.8	85.4	85.1	84.9	85.3	85.3	86.0	86.8	87.6	88.3	88.9	89.2	89.3	89.8	90.2	90.2
25-29	57.4	58.1	59.1	60.1	61.4	62.8	63.8	65.2	65.9	66.7	67.6	69.3	69.5	69.7	70.3	70.6
30+	41.3	40.0	39.1	39.5	40.1	40.0	40.8	41.4	42.0	43.1	43.7	44.1	45.0	45.9	46.5	47.1
<b>Kent</b>	70.1	70.3	69.6	69.2	68.6	68.3	67.8	68.2	68.5	68.2	68.3	69.4	68.9	68.1	69.2	68.8
<20	96.2	96.0	95.4	94.7	94.0	93.2	93.7	94.4	94.8	94.9	96.0	95.9	96.5	96.3	97.0	97.0
20-24	80.5	80.7	79.7	78.7	78.9	79.3	80.2	81.0	82.4	82.1	82.9	83.5	83.9	84.9	87.0	86.8
25-29	54.7	57.4	57.3	56.9	56.7	57.4	56.1	58.5	59.4	60.3	60.6	64.8	63.4	63.9	66.6	68.0
30+	37.7	36.2	35.9	36.4	36.7	36.7	36.7	36.9	38.0	39.1	39.6	41.0	42.5	42.0	43.1	43.3
<b>New Castle</b>	71.1	70.8	70.2	69.6	69.4	69.6	70.1	70.7	71.0	71.3	71.4	71.2	71.0	70.9	70.4	70.0
<20	98.3	98.2	98.4	98.3	98.2	98.4	98.6	98.9	98.9	98.8	98.6	98.4	98.1	98.1	98.4	98.3
20-24	86.4	87.2	87.3	87.1	87.5	87.5	88.2	88.6	89.4	89.9	90.3	90.6	90.7	91.2	91.3	91.7
25-29	56.9	57.2	58.1	59.8	61.9	63.5	65.4	66.5	67.0	67.3	68.3	69.1	69.6	69.8	70.1	70.2
30+	41.8	40.0	38.9	38.6	39.2	39.2	40.4	41.4	42.5	43.4	44.2	44.3	45.3	46.4	47.1	47.8
Wilmington	84.8	85.0	85.3	84.9	85.4	85.3	85.3	85.5	85.7	85.4	84.9	84.7	84.7	84.9	85.2	85.8
<20	98.7	98.9	99.0	98.9	98.9	99.2	99.3	99.3	99.4	99.0	98.8	98.9	98.9	99.1	99.3	99.4
20-24	91.3	91.5	91.6	91.8	92.0	92.4	93.3	93.6	94.2	94.5	94.5	94.8	94.9	94.9	95.1	94.9
25-29	74.0	74.7	75.2	75.2	77.2	77.6	77.6	78.1	79.9	80.0	80.3	81.5	82.7	82.0	82.9	83.2
30+	61.3	60.9	61.7	61.5	64.0	62.8	63.3	64.2	64.4	63.5	63.4	63.3	64.4	67.5	69.2	72.5
Balance of NC County	60.3	59.9	59.2	59.0	59.0	59.5	60.6	61.5	61.7	63.0	64.1	64.3	64.4	64.6	64.0	63.1
<20	97.7	97.3	97.4	97.6	97.4	97.4	97.8	98.4	98.3	98.5	98.4	98.0	97.3	97.3	97.7	97.4
20-24	81.7	83.1	83.3	83.0	83.5	83.2	84.1	84.6	85.4	86.5	87.5	88.1	88.3	89.3	89.3	90.0
25-29	46.6	47.0	48.5	51.7	54.2	56.2	59.0	60.4	59.9	60.7	62.3	63.1	63.5	64.5	64.5	64.6
30+	32.7	31.1	30.1	30.1	30.4	30.8	32.5	33.4	34.4	36.3	37.7	37.9	39.0	39.9	40.3	40.4
<b>Sussex</b>	77.6	77.5	76.9	77.7	78.6	78.1	78.3	79.3	79.3	80.5	80.5	80.2	79.6	79.1	77.5	76.1
<20	97.0	97.0	97.1	97.1	97.9	97.7	98.2	98.2	97.8	97.8	98.1	97.7	98.1	98.9	98.8	99.6
20-24	84.0	83.9	83.3	84.2	85.0	84.8	85.4	87.2	88.2	90.4	91.2	91.4	91.5	91.3	90.8	89.8
25-29	63.0	63.8	66.3	65.6	65.5	67.1	67.3	68.3	70.7	73.8	74.9	77.3	78.8	78.5	77.8	76.5
30+	43.2	44.5	45.0	49.7	51.8	51.1	50.3	49.0	45.9	47.8	47.2	48.5	47.7	49.4	48.7	49.0

Note:  
Births prior to 1989 are reported by race of child. Beginning in 1989, births are reported by race of mother. See Technical Notes for details.

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

**TABLE C-16. FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**HISPANIC ORIGIN\***

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	42.0	42.5	43.2	44.1	45.2	46.7	48.3	49.7	51.0	52.0	52.7	53.2	53.3	53.3	53.2	N/A
<20	72.9	73.3	73.9	74.9	76.2	78.0	79.7	81.2	82.6	83.9	85.1	86.0	86.7	87.2	87.5	N/A
20-24	48.4	49.5	50.7	52.1	53.7	55.7	57.7	59.5	61.1	62.6	63.9	65.0	65.8	66.4	67.0	N/A
25-29	32.1	33.1	34.3	35.7	37.2	39.1	40.9	42.5	44.0	45.2	46.1	46.9	47.4	47.8	48.3	N/A
30+	25.4	25.8	26.3	27.1	28.0	29.1	30.4	31.7	32.9	34.0	34.9	35.6	36.1	36.5	36.9	N/A
<b>Delaware</b>	51.6	52.9	55.0	56.3	58.5	59.6	61.1	62.3	63.5	63.8	64.8	64.6	64.1	63.1	63.0	61.7
<20	80.2	80.2	80.7	81.1	83.5	85.3	86.4	88.4	89.4	89.0	89.4	89.5	89.2	90.2	91.6	92.5
20-24	59.4	61.6	64.5	66.2	67.3	68.1	69.9	70.6	72.3	73.7	75.2	75.1	75.4	74.7	75.0	74.6
25-29	40.2	41.8	44.5	46.9	50.6	52.4	55.1	56.3	57.6	57.7	60.2	60.4	60.4	60.2	60.8	58.7
30+	31.7	33.1	35.0	36.4	38.2	39.9	40.2	42.6	43.9	45.1	46.0	47.5	47.7	47.6	47.5	46.7
<b>Kent</b>	42.2	41.3	41.1	44.5	47.8	48.4	51.9	54.4	55.0	55.0	56.5	54.8	54.8	53.7	54.7	55.3
<20	81.3	76.9	71.6	70.8	76.6	77.3	80.8	84.4	85.7	82.6	81.3	79.4	81.2	84.9	88.8	89.7
20-24	46.1	42.9	46.2	50.0	53.8	54.5	59.2	61.0	62.8	64.5	66.9	67.3	67.1	64.7	65.1	66.7
25-29	29.6	30.3	32.2	40.0	39.7	39.2	43.5	44.2	43.8	44.3	46.3	45.5	46.9	46.5	51.0	50.5
30+	24.4	24.7	22.2	19.8	24.3	26.9	29.1	35.8	37.2	38.2	40.0	37.2	35.5	36.5	36.0	37.1
<b>New Castle</b>	48.0	49.5	52.3	52.7	54.3	55.6	56.3	57.4	59.1	60.0	61.4	62.7	62.6	62.2	61.6	60.3
<20	78.1	78.6	79.9	79.3	81.3	83.4	84.3	86.8	88.7	89.5	90.7	91.4	90.6	92.1	93.1	94.1
20-24	56.4	59.2	63.1	64.6	64.8	66.0	67.4	67.7	69.8	72.2	74.2	75.2	77.5	78.0	78.8	78.8
25-29	34.8	37.0	40.0	41.7	45.5	47.2	48.7	49.8	51.4	51.7	55.1	56.8	57.1	58.0	57.6	55.5
30+	29.0	29.1	31.1	31.3	32.4	33.7	34.3	36.6	38.0	39.7	40.5	43.0	42.4	42.3	41.7	41.4
Wilmington	60.1	61.1	63.3	63.5	65.6	67.8	67.8	68.8	70.6	71.0	70.8	72.0	71.5	69.3	68.4	68.1
<20	82.9	81.9	81.8	82.2	84.5	86.0	88.1	91.5	93.6	94.4	95.1	93.8	93.2	89.9	89.6	91.3
20-24	63.3	66.8	69.0	69.0	69.4	71.8	72.7	74.2	78.1	81.8	83.2	82.2	83.1	82.2	79.5	78.8
25-29	47.9	48.5	52.5	52.4	57.2	61.6	61.9	61.0	62.0	62.5	62.0	64.5	67.3	66.8	68.1	65.8
30+	43.5	43.2	44.6	45.5	47.7	47.6	45.8	48.0	47.5	44.5	43.6	49.7	46.2	47.3	48.0	51.1
Balance of NC County	42.5	44.6	48.0	48.8	50.6	51.8	52.9	54.2	56.0	57.1	59.0	60.4	60.4	60.4	60.0	58.5
<20	74.9	76.5	78.9	77.6	79.7	82.2	82.6	85.0	86.9	87.8	89.2	90.6	89.8	92.8	94.2	95.0
20-24	53.1	55.7	60.6	62.8	63.1	64.0	65.6	65.6	67.2	69.0	71.4	73.2	75.9	76.8	78.6	78.8
25-29	29.5	32.9	35.9	38.5	42.1	43.3	45.4	46.9	48.7	49.0	53.4	54.9	54.5	55.9	55.1	53.3
30+	23.9	24.5	27.3	27.8	28.9	30.7	31.9	34.4	36.2	38.8	39.9	41.9	41.8	41.3	40.5	39.5
<b>Sussex</b>	63.1	64.7	65.6	67.7	70.3	71.3	73.1	73.6	73.9	72.8	72.8	70.7	69.7	68.0	68.5	66.3
<20	85.7	86.0	86.1	89.6	91.3	92.7	92.8	92.8	92.2	90.3	89.9	89.4	89.6	88.3	89.7	90.6
20-24	69.2	72.0	72.8	74.8	76.4	76.3	77.6	78.2	79.0	78.8	79.4	77.7	75.8	74.0	73.8	71.4
25-29	54.8	56.0	57.5	59.0	63.1	66.0	69.5	70.9	72.0	71.2	72.2	70.4	69.6	68.6	69.5	67.2
30+	43.9	47.7	49.8	54.0	56.4	57.5	57.7	57.7	58.1	57.3	57.6	57.4	58.9	58.3	59.4	57.1

**Notes:**

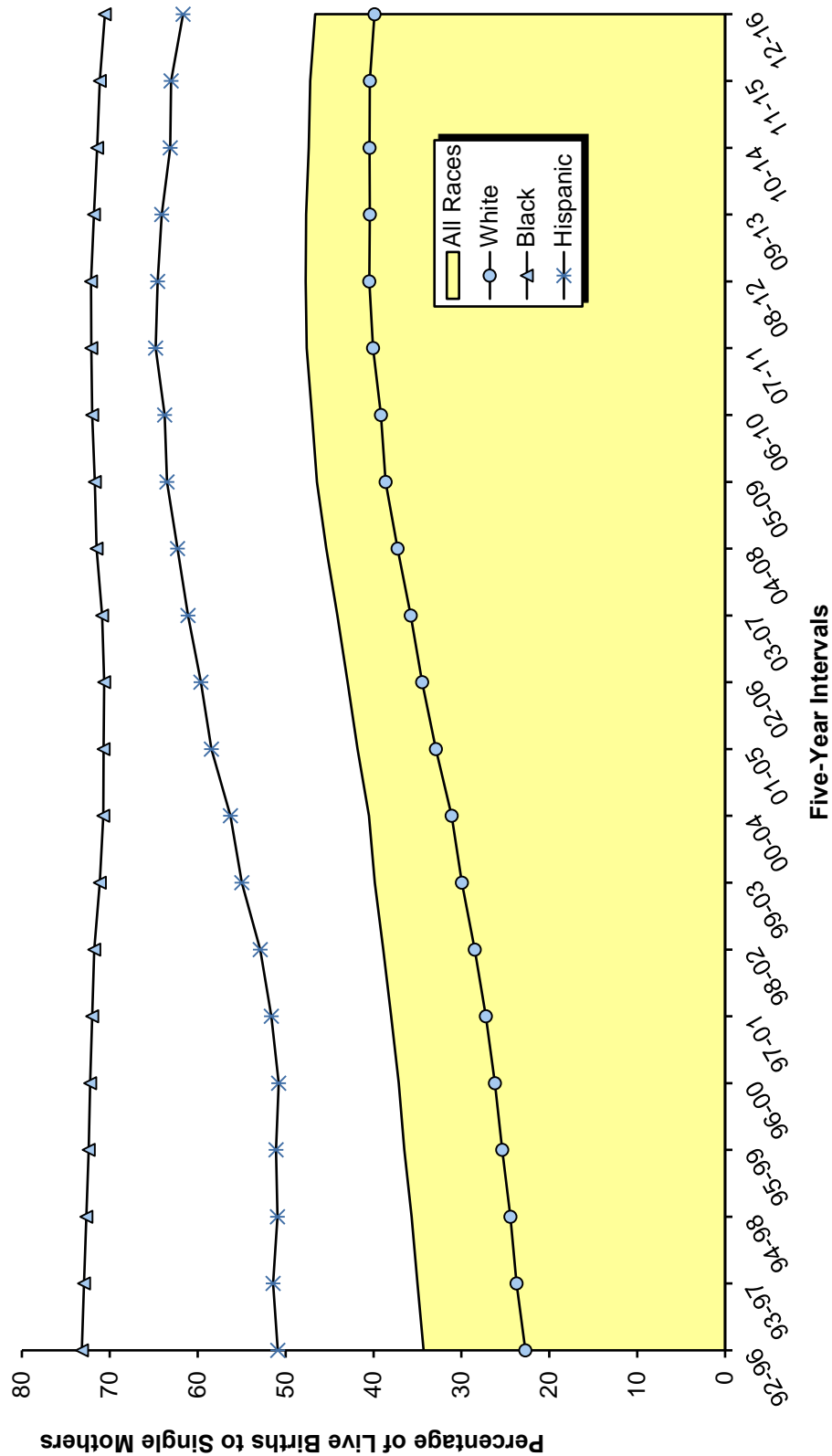
\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.  
Percentages in this table should be interpreted with caution due to small numbers.

Sources: National Center for Health Statistics

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



**Figure C-10. Five-Year Average Percentage of Births to Single Mothers by Race and Hispanic Origin\*, Delaware, 1992-2016**



Note: \* Hispanic may be of any race.  
 Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**TABLE C-17. NUMBER OF LIVE BIRTHS BY AGE, MARITAL STATUS, RACE AND HISPANIC ORIGIN OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Age	Marital Status, Race, and Hispanic Origin														
	Total					Married					Single				
	All Races	White	Black	Other	Hispanic Origin*	All Races	White	Black	Other	Hispanic Origin*	All Races	White	Black	Other	Hispanic Origin*
<b>Delaware</b>	10967	7051	3014	865	1543	5942	4292	930	697	621	5025	2759	2084	168	922
<15	14	7	6	1	4	0	0	0	0	0	14	7	6	1	4
15-17	147	70	69	8	42	2	2	0	0	1	145	68	69	8	41
18-19	433	240	175	18	105	36	28	5	3	10	397	212	170	15	95
20-24	2,099	1,203	793	97	371	499	369	79	50	92	1,600	834	714	47	279
25-29	3,303	2,171	859	259	441	1,798	1,319	257	215	191	1,505	852	602	44	250
30-34	3,188	2,204	674	302	331	2,321	1,691	352	272	183	867	513	322	30	148
35-39	1,481	958	363	152	206	1,073	736	195	134	118	408	222	168	18	88
40+	302	198	75	28	43	213	147	42	23	26	89	51	33	5	17
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2,247	1,436	687	120	197	1,193	890	231	69	80	1,054	546	456	51	117
<15	2	1	1	0	0	0	0	0	0	0	2	1	1	0	0
15-17	36	15	17	4	6	0	0	0	0	0	36	15	17	4	6
18-19	115	53	56	6	17	13	11	2	0	2	102	42	54	6	15
20-24	518	312	182	24	52	162	130	25	7	12	356	182	157	17	40
25-29	760	528	198	31	69	445	352	69	22	36	315	176	129	9	33
30-34	538	368	135	35	29	383	278	81	24	17	155	90	54	11	12
35-39	224	126	83	14	17	156	98	45	12	11	68	28	38	2	6
40+	54	33	15	6	7	34	21	9	4	2	20	12	6	2	5
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6,430	3,821	1,903	676	827	3,617	2,441	580	577	349	2,813	1,380	1,323	99	478
<15	8	3	4	1	2	0	0	0	0	0	8	3	4	1	2
15-17	73	32	39	2	20	0	0	0	0	0	73	32	39	2	20
18-19	217	115	93	9	52	16	11	3	2	5	201	104	90	7	47
20-24	1,050	513	471	62	197	198	128	33	37	45	852	385	438	25	152
25-29	1,851	1,087	545	208	239	997	658	156	178	108	854	429	389	30	131
30-34	2,043	1,329	457	250	182	1,528	1,058	231	233	107	515	271	226	17	75
35-39	994	618	244	125	112	733	488	128	110	67	261	130	116	15	45
40+	194	124	50	19	23	145	98	29	17	17	49	26	21	2	6
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilmington	983	366	579	36	142	309	203	82	23	45	674	163	497	13	97
<15	3	1	2	0	0	0	0	0	0	0	3	1	2	0	0
15-17	23	5	17	1	6	0	0	0	0	0	23	5	17	1	6
18-19	59	16	42	1	14	1	1	0	0	1	58	15	42	1	13
20-24	229	52	172	5	38	21	10	8	3	8	208	42	164	2	30
25-29	279	90	178	9	37	85	45	32	7	16	194	45	146	2	21
30-34	259	132	116	11	32	125	96	22	7	14	134	36	94	4	18
35-39	106	58	41	7	15	60	42	13	5	6	46	16	28	2	9
40+	25	12	11	2	0	17	9	7	1	0	8	3	4	1	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County	5,447	3,455	1,324	640	685	3,308	2,238	498	554	304	2,139	1,217	826	86	381
<15	5	2	2	1	2	0	0	0	0	0	5	2	2	1	2
15-17	50	27	22	1	14	0	0	0	0	0	50	27	22	1	14
18-19	158	99	51	8	38	15	10	3	2	4	143	89	48	6	34
20-24	821	461	299	57	159	177	118	25	34	37	644	343	274	23	122
25-29	1,572	997	367	199	202	912	613	124	171	92	660	384	243	28	110
30-34	1,784	1,197	341	239	150	1,403	962	209	226	93	381	235	132	13	57
35-39	888	560	203	118	97	673	446	115	105	61	215	114	88	13	36
40+	169	112	39	17	23	128	89	22	16	17	41	23	17	1	6
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2,290	1,794	424	69	519	1,132	961	119	51	192	1,158	833	305	18	327
<15	4	3	1	0	2	0	0	0	0	0	4	3	1	0	2
15-17	38	23	13	2	16	2	2	0	0	1	36	21	13	2	15
18-19	101	72	26	3	36	7	6	0	1	3	94	66	26	2	33
20-24	531	378	140	11	122	139	111	21	6	35	392	267	119	5	87
25-29	692	556	116	20	133	356	309	32	15	47	336	247	84	5	86
30-34	607	507	82	17	120	410	355	40	15	59	197	152	42	2	61
35-39	263	214	36	13	77	184	150	22	12	40	79	64	14	1	37
40+	54	41	10	3	13	34	28	4	2	7	20	13	6	1	6
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note:  
\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-18. NUMBER OF LIVE BIRTHS BY LIVE BIRTH ORDER AND AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Birth Order	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10,967	14	147	433	2,099	3,303	3,188	1,481	302	0
First	4,287	13	138	336	1,133	1,292	973	324	78	0
Second	3,538	1	9	82	640	1,111	1,112	499	84	0
Third	1,815	0	0	12	251	541	627	326	58	0
Fourth+	1,324	0	0	3	74	359	475	331	82	0
Unknown	3	0	0	0	1	0	1	1	0	0
<b>Kent</b>	2,247	2	36	115	518	760	538	224	54	0
First	852	2	34	91	282	279	124	31	9	0
Second	688	0	2	22	147	257	187	56	17	0
Third	386	0	0	2	71	124	124	55	10	0
Fourth+	321	0	0	0	18	100	103	82	18	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6,430	8	73	217	1,050	1,851	2,043	994	194	0
First	2,616	8	69	167	581	796	698	240	57	0
Second	2,133	0	4	40	323	608	735	366	57	0
Third	994	0	0	7	108	280	354	207	38	0
Fourth+	684	0	0	3	37	167	255	180	42	0
Unknown	3	0	0	0	1	0	1	1	0	0
Wilmington	983	3	23	59	229	279	259	106	25	0
First	362	3	21	43	103	81	70	33	8	0
Second	291	0	2	12	83	85	73	29	7	0
Third	160	0	0	2	31	59	47	17	4	0
Fourth+	169	0	0	2	12	54	69	26	6	0
Unknown	1	0	0	0	0	0	0	1	0	0
Balance of NC County	5,447	5	50	158	821	1,572	1,784	888	169	0
First	2,254	5	48	124	478	715	628	207	49	0
Second	1,842	0	2	28	240	523	662	337	50	0
Third	834	0	0	5	77	221	307	190	34	0
Fourth+	515	0	0	1	25	113	186	154	36	0
Unknown	2	0	0	0	1	0	1	0	0	0
<b>Sussex</b>	2,290	4	38	101	531	692	607	263	54	0
First	819	3	35	78	270	217	151	53	12	0
Second	717	1	3	20	170	246	190	77	10	0
Third	435	0	0	3	72	137	149	64	10	0
Fourth+	319	0	0	0	19	92	117	69	22	0
Unknown	0	0	0	0	0	0	0	0	0	0

Note:

Live birth order is the number of children born alive to the mother including the current birth.

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

**TABLE C-19. NUMBER AND PERCENT OF LIVE BIRTHS BY LIVE BIRTH ORDER, RACE, AND HISPANIC ORIGIN OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE 2016**

Area/ Birth Order	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10,967	100.0	7,051	100.0	3,014	100.0	865	100.0	1543	100.0
First	4,287	39.1	2,821	40.0	1,048	34.8	408	47.2	473	30.7
Second	3,538	32.3	2,301	32.6	912	30.3	311	36.0	465	30.1
Third	1,815	16.5	1,153	16.4	556	18.4	98	11.3	334	21.6
Fourth+	1,324	12.1	774	11.0	497	16.5	48	5.5	270	17.5
Unknown	3	0	2	0.0	1	0.0	0	0.0	1	0.1
<b>Kent</b>	2,247	100.0	1,436	100.0	687	100.0	120	100.0	197	100.0
First	852	37.9	558	38.9	240	34.9	52	43.3	77	39.1
Second	688	30.6	458	31.9	193	28.1	37	30.8	62	31.5
Third	386	17.2	245	17.1	119	17.3	21	17.5	35	17.8
Fourth+	321	14.3	175	12.2	135	19.7	10	8.3	23	11.7
Unknown	0	0.0	-	0.0	-	0.0	0	0.0	0	0.0
<b>New Castle</b>	6,430	100.0	3,821	100.0	1,903	100.0	676	100.0	827	100.0
First	2,616	40.7	1,606	42.0	678	35.6	325	48.1	255	30.8
Second	2,133	33.2	1,272	33.3	597	31.4	251	37.1	262	31.7
Third	994	15.5	581	15.2	337	17.7	69	10.2	176	21.3
Fourth+	684	10.6	360	9.4	290	15.2	31	4.6	133	16.1
Unknown	3	0.0	2	0.1	1	0.1	0	0.0	1	0.1
Wilmington	983	100.0	366	100.0	579	100.0	36	100.0	142	100.0
First	362	36.8	151	41.3	196	33.9	15	41.7	41	28.9
Second	291	29.6	120	32.8	164	28.3	6	16.7	44	31.0
Third	160	16.3	51	13.9	101	17.4	7	19.4	34	23.9
Fourth+	169	17.2	44	12.0	117	20.2	8	22.2	23	16.2
Unknown	1	0.1	0	0.0	1	0.2	0	0.0	0	0.0
Balance of NC County	5,447	100.0	3,455	100.0	1,324	100.0	640	100.0	685	100.0
First	2,254	41.4	1,455	42.1	482	36.4	310	48.4	214	31.2
Second	1,842	33.8	1,152	33.3	433	32.7	245	38.3	218	31.8
Third	834	15.3	530	15.3	236	17.8	62	9.7	142	20.7
Fourth+	515	9.5	316	9.1	173	13.1	23	3.6	110	16.1
Unknown	2	0.0	2	0.1	0	0.0	0	0.0	1	0.1
<b>Sussex</b>	2,290	100.0	1,794	100.0	424	100.0	69	100.0	519	100.0
First	819	35.8	657	36.6	130	30.7	31	44.9	141	27.2
Second	717	31.3	571	31.8	122	28.8	23	33.3	141	27.2
Third	435	19.0	327	18.2	100	23.6	8	11.6	123	23.7
Fourth+	319	13.9	239	13.3	72	17.0	7	10.1	114	22.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

*Notes:*

1. Live birth order is the number of children born alive to the mother including the current birth.
  2. Percentages may not add to 100% due to rounding.
  3. Percentages are calculated based upon the total number of births in each race/origin category.
  4. Percentages for the categories "Other" and "Hispanic" should be interpreted with caution due to small numbers.
- \* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-20. NUMBER OF LIVE BIRTHS BY PLURALITY AND AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Plurality	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10,967	14	147	433	2,099	3,303	3,188	1,481	302	0
Single	10,644	14	147	419	2,040	3,217	3,086	1,429	292	0
Plural	323	0	0	14	59	86	102	52	10	0
<b>Kent</b>	2,247	2	36	115	518	760	538	224	54	0
Single	2,185	2	36	111	500	742	524	218	52	0
Plural	62	0	0	4	18	18	14	6	2	0
<b>New Castle</b>	6,430	8	73	217	1,050	1,851	2,043	994	194	0
Single	6,234	8	73	209	1,023	1,802	1,971	960	188	0
Plural	196	0	0	8	27	49	72	34	6	0
Wilmington	983	3	23	59	229	279	259	106	25	0
Single	953	3	23	57	223	272	246	104	25	0
Plural	30	0	0	2	6	7	13	2	0	0
Balance of NC County	5,447	5	50	158	821	1,572	1,784	888	169	0
Single	5,281	5	50	152	800	1,530	1,725	856	163	0
Plural	166	0	0	6	21	42	59	32	6	0
<b>Sussex</b>	2,290	4	38	101	531	692	607	263	54	0
Single	2,225	4	38	99	517	673	591	251	52	0
Plural	65	0	0	2	14	19	16	12	2	0

Note:  
Plural births represent twins, triplets, etc.

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

**TABLE C-21. NUMBER AND PERCENT OF LIVE BIRTHS BY PLURALITY, RACE, AND HISPANIC ORIGIN OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE 2016**

Area/ Plurality	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10,967	100.0	7,051	100.0	3,014	100.0	865	100.0	1,543	100.0
Single	10,644	97.1	6,857	97.2	2,919	96.8	837	96.8	1,505	97.5
Plural	323	2.9	194	2.8	95	3.2	28	3.2	38	2.5
<b>Kent</b>	2,247	100.0	1,436	100.0	687	100.0	120	100.0	197	100.0
Single	2,185	97.2	1,402	97.6	663	96.5	116	96.7	191	97.0
Plural	62	2.8	34	2.4	24	3.5	4	3.3	6	3.0
<b>New Castle</b>	6,430	100.0	3,821	100.0	1,903	100.0	676	100.0	827	100.0
Single	6,234	97.0	3,711	97.1	1,845	97.0	654	96.7	799	96.6
Plural	196	3.0	110	2.9	58	3.0	22	3.3	28	3.4
Wilmington	983	100.0	366	100.0	579	100.0	36	100.0	142	100.0
Single	953	96.9	357	97.5	560	96.7	34	94.4	138	97.2
Plural	30	3.1	9	2.5	19	3.3	2	5.6	4	2.8
Balance of NC County	5,447	100.0	3,455	100.0	1,324	100.0	640	100.0	685	100.0
Single	5,281	97.0	3,354	97.1	1,285	97.1	620	96.9	661	96.5
Plural	166	3.0	101	2.9	39	2.9	20	3.1	24	3.5
<b>Sussex</b>	2,290	100.0	1,794	100.0	424	100.0	69	100.0	519	100.0
Single	2,225	97.2	1,744	97.2	411	96.9	67	97.1	515	99.2
Plural	65	2.8	50	2.8	13	3.1	2	2.9	4	0.8

*Notes:*

1. Plural births represent twins, triplets, etc.
  2. Percentages may not add to 100% due to rounding.
  3. Percentages are calculated based upon the total number of births in each race/origin category.
  4. Percentages for the categories "Other" and "Hispanic" should be interpreted with caution due to small numbers.
- \* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-22. NUMBER AND PERCENT OF LIVE BIRTHS BY PLACE OF BIRTH, TYPE OF FACILITY, AND RESIDENCE STATUS, DELAWARE, 2016**

Place of Birth/ Type of Facility	Births to Delaware Residents		Births Occurring in Delaware		Births in Delaware to Non-Residents	
	Number	Percent	Number	Percent	Number	Percent
<b>DELAWARE</b>						
HOSPITAL						
Beebe Medical Center	837	7.6	856	7.5	19	2.0
Kent General	1,925	17.6	1,971	17.3	46	4.8
Christiana Care	5,676	51.8	6,439	56.4	763	79.5
Milford Memorial	335	3.1	335	2.9	0	0.0
Nanticoke Memorial	846	7.7	872	7.6	26	2.7
St. Francis	611	5.6	644	5.6	33	3.4
Total	10,230	93.3	11,117	97.3	887	92.4
BIRTHING CENTER	161	1.5	224	2.0	63	6.6
HOME BIRTH	62	0.6	64	0.6	2	0.2
ENROUTE/OTHER	8	0.1	10	0.1	2	0.2
UNKNOWN	0	0.0	6	0.1	6	0.6
TOTAL	10,461	95.4	11,421	100.0	960	100.0
<b>OUT-OF-STATE</b>						
HOSPITAL						
Crozier Med. Center, PA	88	0.8	N/A		N/A	
Peninsula General, MD	105	1.0	N/A		N/A	
Riddle Memorial, PA	39	0.4	N/A		N/A	
Other Hospitals	270	2.5	N/A		N/A	
Total	502	4.6	N/A		N/A	
BIRTHING CENTER	4	0.0	N/A		N/A	
HOME BIRTH	0	0.0	N/A		N/A	
ENROUTE/OTHER	0	0.0	N/A		N/A	
UNKNOWN	0	0.0	N/A		N/A	
TOTAL	506	4.6	N/A		N/A	
<b>TOTAL</b>	<b>10,967</b>	<b>100.0</b>	<b>11,421</b>	<b>100.0</b>	<b>960</b>	<b>100.0</b>

Notes:

1. N/A indicates category not applicable.
2. Percentages may not add to 100% due to rounding.

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

**TABLE C-23. FIVE-YEAR AVERAGE PERCENTAGE OF LOW BIRTHWEIGHT BIRTHS (<2,500 GRAMS), BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**ALL RACES**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	7.6	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.2	8.2	8.2	8.1	8.1	8.0	8.0	N/A
<20	9.6	9.6	9.6	9.7	9.8	9.9	9.9	9.9	9.9	9.8	9.7	9.6	9.5	9.5	9.4	N/A
20-24	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	N/A
25-29	6.7	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.3	N/A
30+	7.6	7.7	7.7	7.8	8.0	8.1	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.2	8.1	N/A
<b>Delaware</b>	8.8	9.0	9.2	9.3	9.4	9.4	9.3	9.1	9.0	8.9	8.8	8.6	8.5	8.5	8.5	8.6
<20	11.1	11.3	11.2	11.2	11.5	11.4	11.2	11.3	11.1	10.5	10.4	10.1	9.8	9.9	9.6	9.0
20-24	8.9	9.1	9.5	9.5	9.6	9.8	9.9	9.5	9.4	9.3	9.0	8.7	8.8	8.9	8.9	9.3
25-29	7.6	7.9	8.3	8.4	8.6	8.5	8.2	8.1	8.0	8.0	8.1	8.1	8.2	8.3	8.3	8.3
30+	8.7	8.9	9.0	9.2	9.3	9.3	9.1	9.0	9.0	8.9	8.7	8.5	8.4	8.1	8.4	8.5
<b>Kent</b>	8.6	8.9	9.2	9.3	9.5	9.3	9.3	9.0	8.8	8.6	8.5	8.3	8.5	8.6	8.9	9.1
<20	11.0	11.9	12.0	11.3	12.4	11.7	11.4	11.0	11.8	10.3	10.4	9.8	10.4	10.9	10.2	9.5
20-24	8.2	8.3	9.1	9.4	9.3	9.8	9.8	9.2	8.2	8.5	8.2	7.7	7.9	8.6	8.6	9.1
25-29	7.5	7.2	7.6	7.6	7.9	7.4	7.5	7.7	7.9	7.9	8.0	8.2	8.2	8.4	8.5	9.0
30+	8.7	9.6	9.6	9.8	9.8	9.7	9.6	9.4	9.3	9.0	8.9	8.7	8.8	8.4	9.1	9.1
<b>New Castle</b>	9.1	9.3	9.6	9.7	9.9	9.9	9.8	9.6	9.5	9.4	9.1	8.9	8.9	8.7	8.8	8.9
<20	11.6	11.8	11.5	11.9	12.5	12.4	12.5	12.7	12.0	11.2	11.0	10.3	10.1	10.2	9.8	9.2
20-24	10.0	10.2	10.4	10.3	10.5	10.5	10.6	10.4	10.5	10.2	9.8	9.7	9.8	9.7	9.9	10.0
25-29	7.9	8.4	8.7	8.8	9.0	9.1	8.7	8.4	8.5	8.4	8.5	8.4	8.5	8.4	8.4	8.3
30+	8.7	8.9	9.1	9.3	9.6	9.6	9.4	9.2	9.1	9.1	8.7	8.5	8.4	8.3	8.4	8.7
<b>Wilmington</b>	13.5	14.2	14.1	14.0	14.4	13.9	13.6	13.4	13.5	13.2	12.6	12.3	12.3	11.8	12.0	12.2
<20	14.6	14.9	14.2	13.8	14.7	14.7	14.4	14.5	14.6	14.3	12.7	12.1	13.2	12.7	11.7	12.0
20-24	13.9	14.4	15.1	14.7	15.1	14.7	14.2	13.6	13.9	13.5	13.0	13.6	14.1	13.6	14.1	14.3
25-29	13.0	14.0	13.0	12.7	12.8	12.8	12.9	13.2	13.7	13.7	12.8	11.9	11.4	10.7	10.6	10.8
30+	12.6	13.6	13.7	14.3	14.5	13.4	12.9	12.7	12.2	11.8	12.0	11.5	11.4	11.1	11.8	11.8
<b>Balance of NC County</b>	8.1	8.3	8.6	8.8	9.0	9.1	9.0	8.8	8.6	8.5	8.4	8.2	8.2	8.2	8.2	8.3
<20	9.9	10.1	10.0	10.9	11.4	11.1	11.5	11.7	10.7	9.8	10.3	9.5	8.7	9.1	9.0	8.1
20-24	8.7	8.7	8.8	8.8	9.0	9.1	9.4	9.3	9.4	9.2	8.9	8.6	8.7	8.7	8.8	8.9
25-29	7.0	7.5	8.0	8.2	8.4	8.4	7.9	7.6	7.5	7.5	7.7	7.7	8.0	8.0	8.1	7.9
30+	8.2	8.3	8.6	8.8	9.0	9.1	9.0	8.8	8.6	8.7	8.3	8.0	8.0	7.9	7.9	8.3
<b>Sussex</b>	7.8	7.9	8.0	8.0	7.8	8.0	7.8	7.7	7.8	7.9	7.9	7.9	7.6	7.5	7.5	7.5
<20	10.1	9.4	9.6	9.4	8.4	8.8	8.2	8.4	8.7	8.9	9.0	10.0	8.7	8.4	8.7	8.1
20-24	6.9	7.3	7.6	7.6	7.9	8.4	8.4	8.0	8.1	8.2	8.0	7.6	7.6	7.4	7.1	7.7
25-29	6.7	7.1	7.6	7.5	7.6	7.7	7.5	7.2	6.9	7.0	7.1	7.1	7.2	7.8	7.5	7.6
30+	8.4	8.4	8.0	8.1	7.7	7.7	7.3	7.6	8.1	8.2	8.2	8.3	7.7	7.2	7.5	7.3

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



**TABLE C-24. FIVE-YEAR AVERAGE PERCENTAGE OF LOW BIRTHWEIGHT BIRTHS (<2,500 GRAMS), BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**WHITE**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	6.6	6.6	6.7	6.8	6.9	7.0	7.1	7.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<20	8.1	8.1	8.2	8.2	8.3	8.4	8.5	8.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20-24	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
25-29	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30+	6.7	6.8	6.9	7.0	7.2	7.3	7.4	7.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Delaware</b>	7.0	7.3	7.6	7.6	7.7	7.6	7.5	7.3	7.2	7.2	7.0	6.9	6.8	6.8	6.8	6.9
<20	8.6	8.7	8.8	8.9	8.9	8.7	8.8	8.6	8.3	7.6	7.5	7.5	7.3	7.6	7.8	7.5
20-24	6.7	7.2	7.5	7.6	7.5	7.7	7.6	7.4	7.3	7.4	7.2	6.8	6.7	6.7	6.6	6.7
25-29	5.8	6.2	6.9	7.0	7.2	7.0	6.8	6.6	6.6	6.5	6.4	6.4	6.5	6.6	6.5	6.7
30+	7.5	7.6	7.7	7.8	7.9	7.8	7.6	7.5	7.4	7.5	7.2	7.1	7.0	6.8	7.0	7.1
<b>Kent</b>	6.6	7.3	7.6	7.8	7.7	7.7	7.6	7.6	7.3	7.3	7.2	7.1	7.2	7.4	7.7	7.6
<20	8.9	10.1	10.1	9.4	9.7	9.2	9.3	9.3	9.5	8.1	8.0	7.3	7.3	8.7	8.6	8.9
20-24	6.3	6.8	7.3	7.7	7.4	8.3	8.0	7.8	7.0	7.5	6.8	6.4	6.2	6.6	6.4	6.6
25-29	4.9	4.9	6.0	6.2	6.4	5.9	6.0	6.4	6.6	6.6	6.8	7.1	7.3	7.3	7.4	7.7
30+	6.9	8.2	8.3	8.6	8.5	8.4	8.1	8.2	7.8	7.7	7.7	7.7	8.0	7.8	8.6	8.1
<b>New Castle</b>	7.2	7.3	7.7	7.8	8.0	7.9	7.8	7.6	7.4	7.2	7.0	6.9	6.8	6.7	6.7	6.9
<20	8.5	8.5	8.7	9.5	9.9	9.6	10.0	9.5	8.8	7.9	7.9	7.6	7.6	7.8	7.8	7.8
20-24	7.4	7.8	8.1	8.1	8.3	8.1	7.8	7.7	7.7	7.4	7.5	7.3	7.3	7.3	7.2	6.9
25-29	6.2	6.6	7.2	7.2	7.4	7.6	7.3	6.9	7.0	6.8	6.5	6.4	6.3	6.2	6.2	6.3
30+	7.4	7.4	7.6	7.7	8.0	7.8	7.7	7.6	7.3	7.4	7.0	6.8	6.8	6.7	6.8	7.1
Wilmington	8.8	9.4	9.2	9.3	9.1	8.8	8.1	7.9	7.7	8.1	7.6	8.2	8.3	8.0	8.1	8.3
<20	10.3	9.8	9.5	9.1	8.9	9.3	9.7	9.4	9.8	11.0	8.1	9.1	10.6	8.7	7.8	9.1
20-24	10.2	11.6	11.9	12.1	11.5	11.3	8.7	7.9	7.8	8.3	7.9	9.8	10.8	11.2	11.0	11.4
25-29	8.5	9.0	9.3	8.6	7.7	8.4	8.0	7.6	7.6	8.2	6.3	6.7	5.6	5.5	5.5	6.3
30+	7.9	8.3	7.4	8.3	8.7	7.5	7.4	7.7	7.2	7.3	8.1	8.3	8.4	8.0	8.5	8.3
Balance of NC County	7.0	7.1	7.5	7.6	7.9	7.8	7.8	7.5	7.4	7.1	7.0	6.7	6.6	6.6	6.6	6.7
<20	8.3	8.3	8.6	9.6	10.1	9.6	10.0	9.6	8.6	7.5	7.8	7.3	7.1	7.6	7.8	7.6
20-24	7.0	7.3	7.6	7.6	7.8	7.6	7.7	7.7	7.6	7.3	7.5	7.0	6.8	6.8	6.7	6.4
25-29	6.0	6.4	7.0	7.1	7.4	7.5	7.2	6.8	6.9	6.6	6.5	6.4	6.4	6.3	6.2	6.2
30+	7.4	7.3	7.6	7.7	7.9	7.8	7.7	7.6	7.3	7.4	6.9	6.7	6.6	6.6	6.6	7.0
<b>Sussex</b>	6.9	7.0	7.2	7.0	6.8	6.7	6.6	6.5	6.7	6.8	6.8	6.6	6.4	6.3	6.4	6.4
<20	8.6	7.7	7.8	7.1	6.1	6.5	6.3	6.3	6.6	6.7	6.7	7.6	6.8	6.7	7.3	6.3
20-24	5.8	6.3	6.4	6.3	6.1	6.5	6.7	6.6	6.9	7.3	7.0	6.3	6.1	5.8	5.7	6.3
25-29	5.7	6.2	6.8	6.8	7.0	6.5	6.4	5.9	5.6	5.6	5.7	5.8	6.0	6.8	6.6	6.8
30+	8.1	8.0	7.8	7.7	7.3	7.2	6.8	6.9	7.5	7.7	7.6	7.5	6.8	6.1	6.4	6.2

Note:  
N/A indicates data not available.

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

**TABLE C-25. FIVE-YEAR AVERAGE PERCENTAGE OF LOW BIRTHWEIGHT BIRTHS (<2,500 GRAMS), BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**BLACK**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	13.0	13.1	13.1	13.2	13.3	13.4	13.5	13.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<20	13.6	13.7	13.8	13.9	14.0	14.2	14.2	14.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20-24	12.1	12.3	12.5	12.7	12.9	13.0	13.1	13.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
25-29	12.1	12.1	12.1	12.2	12.4	12.5	12.6	12.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30+	14.4	14.3	14.3	14.2	14.2	14.3	14.3	14.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Delaware</b>	14.0	14.2	14.1	14.1	14.3	14.6	14.3	14.0	13.9	13.6	13.2	12.9	12.9	12.6	12.6	12.7
<20	14.1	14.5	14.2	14.2	14.9	14.8	14.4	14.8	15.0	14.4	14.4	13.8	13.2	12.9	11.8	10.6
20-24	13.3	13.2	13.5	13.4	13.9	14.0	14.4	13.6	13.4	12.9	12.4	12.2	12.5	12.4	12.6	13.2
25-29	13.8	13.8	13.3	12.8	13.1	13.2	12.6	12.7	12.7	12.8	13.1	12.8	13.0	12.9	12.8	12.6
30+	15.0	15.7	15.6	16.0	15.7	16.3	15.6	15.1	14.8	14.7	13.8	13.2	13.0	12.5	12.7	12.9
<b>Kent</b>	14.4	13.9	14.0	13.9	14.3	13.8	13.7	12.6	12.5	11.8	11.7	11.2	11.5	11.4	11.7	12.3
<20	14.6	14.9	15.0	14.4	15.6	14.2	13.5	12.4	13.9	13.1	13.9	13.4	14.3	13.4	11.4	9.4
20-24	12.8	12.2	12.9	13.3	13.6	13.1	13.4	12.2	11.0	10.7	11.0	10.5	11.5	12.3	12.5	13.3
25-29	14.8	12.8	13.1	12.2	12.8	12.2	12.2	11.4	11.3	10.8	10.3	10.5	10.5	11.1	12.1	12.8
30+	16.7	17.0	16.1	16.5	16.3	16.4	16.2	14.9	15.3	13.8	12.9	11.7	11.1	9.9	10.5	11.7
<b>New Castle</b>	14.6	14.9	14.7	14.7	14.8	15.1	14.9	14.6	14.5	14.3	13.8	13.3	13.4	13.1	13.2	13.1
<20	14.6	15.1	14.4	14.4	15.4	15.4	15.4	16.2	15.8	14.8	14.4	13.1	12.7	12.8	12.0	10.8
20-24	14.5	14.1	14.3	14.0	14.2	14.4	15.0	14.5	14.8	14.2	13.2	13.0	13.0	12.7	13.2	13.7
25-29	14.0	14.4	13.8	13.5	13.6	13.5	12.8	12.8	12.8	13.2	13.7	13.4	13.8	13.5	13.2	12.8
30+	15.3	16.0	16.3	16.6	16.2	16.8	16.0	15.4	15.0	15.0	14.2	13.6	13.6	13.2	13.5	13.5
<b>Wilmington</b>	16.2	17.0	17.1	17.0	17.7	17.3	17.1	16.8	17.0	16.3	15.7	14.8	15.1	14.5	14.8	14.9
<20	15.5	16.2	15.5	15.3	16.6	16.3	15.7	15.7	15.8	15.0	13.8	12.7	14.0	14.1	12.9	12.9
20-24	15.4	15.5	16.6	16.0	16.7	16.3	16.7	16.1	16.6	15.6	15.1	15.1	15.3	14.4	15.2	15.5
25-29	16.3	17.6	15.7	15.8	16.5	16.4	16.6	17.2	17.7	17.6	17.2	15.5	15.3	14.2	13.3	13.3
30+	18.6	20.8	22.4	22.7	22.4	21.3	19.8	18.7	18.0	17.1	16.7	15.3	15.3	15.4	16.6	16.6
<b>Balance of NC County</b>	13.3	13.2	13.0	13.1	12.9	13.7	13.5	13.2	13.0	13.1	12.8	12.5	12.6	12.5	12.5	12.3
<20	13.2	13.6	12.7	13.2	13.7	14.2	14.9	16.7	15.7	14.5	15.0	13.6	11.6	11.8	11.3	9.1
20-24	13.6	12.8	12.2	12.1	12.0	12.8	13.6	13.1	13.4	13.1	11.9	11.7	11.8	11.7	12.1	12.7
25-29	12.7	12.5	12.8	12.3	12.2	12.1	10.8	10.4	10.1	10.9	11.9	12.4	13.1	13.2	13.2	12.6
30+	13.7	14.0	13.9	14.4	13.9	15.3	14.7	14.2	13.9	14.3	13.4	13.0	13.0	12.6	12.5	12.5
<b>Sussex</b>	11.2	11.7	11.5	11.7	12.3	13.3	12.7	13.0	12.7	13.0	12.9	13.2	12.5	12.4	11.4	11.6
<20	12.4	12.4	12.7	13.6	12.6	13.6	12.4	13.1	13.5	14.5	14.9	16.6	13.8	12.8	11.6	11.8
20-24	10.3	10.8	11.5	11.5	13.1	13.9	13.5	12.3	11.6	11.2	11.3	11.6	11.9	11.7	10.8	11.6
25-29	11.1	12.0	10.9	10.0	11.1	13.2	12.6	14.3	14.2	14.1	14.3	13.7	13.2	13.0	11.9	11.5
30+	11.2	12.1	10.4	11.3	11.4	11.8	11.4	12.8	12.3	13.6	12.3	13.0	12.0	12.7	11.7	11.5

Note:

N/A indicates data not available.

Sources: National Center for Health Statistics

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

**TABLE C-26. FIVE-YEAR AVERAGE PERCENTAGE OF LOW BIRTHWEIGHT BIRTHS (<2,500 GRAMS), BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**HISPANIC ORIGIN\***

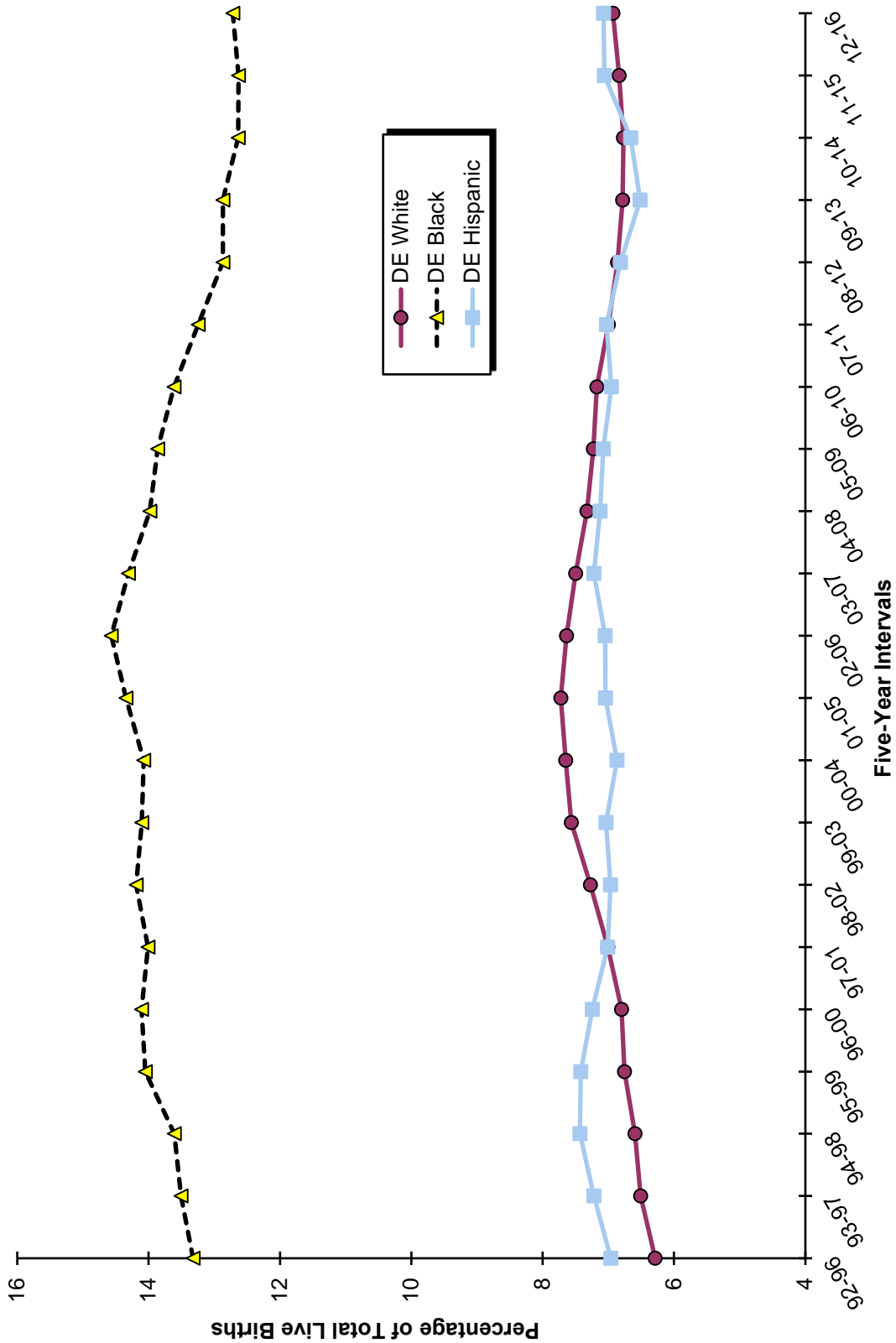
Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.1	N/A
<20	7.7	7.7	7.8	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.9	N/A
20-24	6.0	6.1	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	N/A
25-29	5.6	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.4	N/A
30+	6.9	6.9	7.0	7.1	7.2	7.3	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.6	N/A
<b>Delaware</b>	7.0	7.0	7.0	6.9	7.0	7.0	7.2	7.1	7.1	7.0	7.0	6.8	6.5	6.7	7.1	7.1
<20	10.0	8.4	8.4	8.2	8.3	7.8	8.4	7.6	7.5	6.9	7.0	7.0	7.3	7.8	8.4	8.3
20-24	5.4	6.3	6.9	7.2	6.9	7.2	7.4	7.0	6.6	6.9	6.8	5.9	5.5	6.0	6.6	6.6
25-29	6.7	6.5	6.5	6.4	6.9	6.9	6.6	6.7	6.4	6.1	6.1	6.1	5.8	6.1	6.2	6.5
30+	7.7	7.5	6.9	6.1	6.6	6.5	7.1	7.5	8.2	8.0	8.2	8.4	7.9	7.3	7.8	7.6
<b>Kent</b>	6.3	8.2	8.1	8.3	9.5	9.4	8.8	9.1	8.4	7.3	8.2	8.1	7.3	7.4	7.7	8.2
<20	7.8	10.3	12.3	7.9	10.8	12.6	9.2	7.8	8.8	7.6	6.5	7.5	7.9	8.1	6.3	6.9
20-24	5.0	7.1	7.6	10.3	9.7	11.0	10.6	10.0	7.7	7.4	8.3	7.8	6.4	6.4	7.4	7.1
25-29	4.8	7.7	6.7	8.0	11.3	9.4	8.0	9.8	9.9	7.8	9.3	8.9	8.5	7.3	7.3	8.9
30+	9.8	9.0	7.4	5.2	6.3	4.4	6.6	8.0	7.7	6.4	7.9	7.8	6.8	8.3	9.1	9.0
<b>New Castle</b>	7.9	7.7	7.5	7.4	7.6	7.5	7.8	8.0	7.9	7.8	7.9	7.7	7.4	7.5	7.7	7.5
<20	10.3	8.5	8.3	9.0	9.1	8.5	10.1	9.3	8.6	8.1	8.5	7.6	8.6	8.4	8.5	8.2
20-24	6.6	7.5	7.7	8.1	7.9	7.7	7.6	7.7	7.2	7.3	7.4	6.8	6.0	6.6	7.1	6.9
25-29	8.1	7.1	6.6	6.3	6.2	6.7	6.6	7.1	7.0	6.9	6.6	6.9	6.1	6.6	7.2	7.1
30+	7.8	8.1	7.5	6.7	7.9	7.6	8.0	8.4	9.0	9.1	9.3	9.2	9.3	8.5	8.3	8.0
<b>Wilmington</b>	8.8	9.7	8.9	8.9	9.4	9.8	9.3	9.8	9.7	9.9	8.8	10.2	9.2	8.8	9.1	10.2
<20	8.8	8.6	7.3	7.1	8.0	9.5	10.1	11.4	11.3	11.1	7.9	9.7	9.8	8.4	8.5	10.9
20-24	7.8	10.2	10.3	11.2	10.9	11.5	9.2	9.0	7.8	8.0	7.1	9.7	8.9	10.0	10.5	11.1
25-29	8.7	9.4	8.8	7.6	8.0	8.6	8.6	9.3	10.1	10.4	8.1	8.3	6.6	5.6	7.6	8.5
30+	10.6	10.4	8.1	8.5	10.3	8.5	9.3	10.3	11.0	11.5	12.7	14.0	12.5	10.9	9.5	10.5
<b>Balance of NC County</b>	7.6	6.9	7.0	6.9	7.0	6.8	7.4	7.5	7.4	7.2	7.6	7.0	6.9	7.1	7.4	6.9
<20	11.3	8.4	8.9	10.1	9.7	8.0	10.1	8.4	7.6	7.1	8.8	6.9	8.2	8.4	8.6	7.4
20-24	6.0	6.2	6.6	6.9	6.8	6.4	7.0	7.2	7.0	7.0	7.5	6.0	5.2	5.7	6.2	5.9
25-29	7.9	6.3	5.9	5.9	5.7	6.1	6.1	6.6	6.2	6.0	6.2	6.5	5.9	6.9	7.1	6.8
30+	6.9	7.3	7.4	6.3	7.3	7.4	7.7	8.0	8.7	8.6	8.6	8.4	8.7	8.0	8.1	7.6
<b>Sussex</b>	5.1	4.8	5.7	5.2	5.1	5.4	5.6	5.0	5.3	5.4	5.3	5.1	4.9	5.1	5.8	6.0
<20	9.7	7.5	7.2	6.0	5.2	4.4	4.5	4.5	4.8	4.3	4.3	5.5	4.1	6.3	8.8	8.9
20-24	3.3	3.5	5.1	4.4	4.2	5.1	5.9	4.9	5.3	6.2	5.5	4.0	4.4	4.6	5.3	5.7
25-29	4.5	4.9	6.1	6.2	7.0	6.7	6.0	5.1	4.3	4.1	4.4	4.0	4.4	5.0	4.3	4.6
30+	6.3	5.4	5.2	4.7	3.8	4.7	5.0	5.5	6.6	6.5	6.5	7.2	6.0	5.4	6.6	6.4

Notes:

\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.  
Percentages in this table should be interpreted with caution due to small numbers.

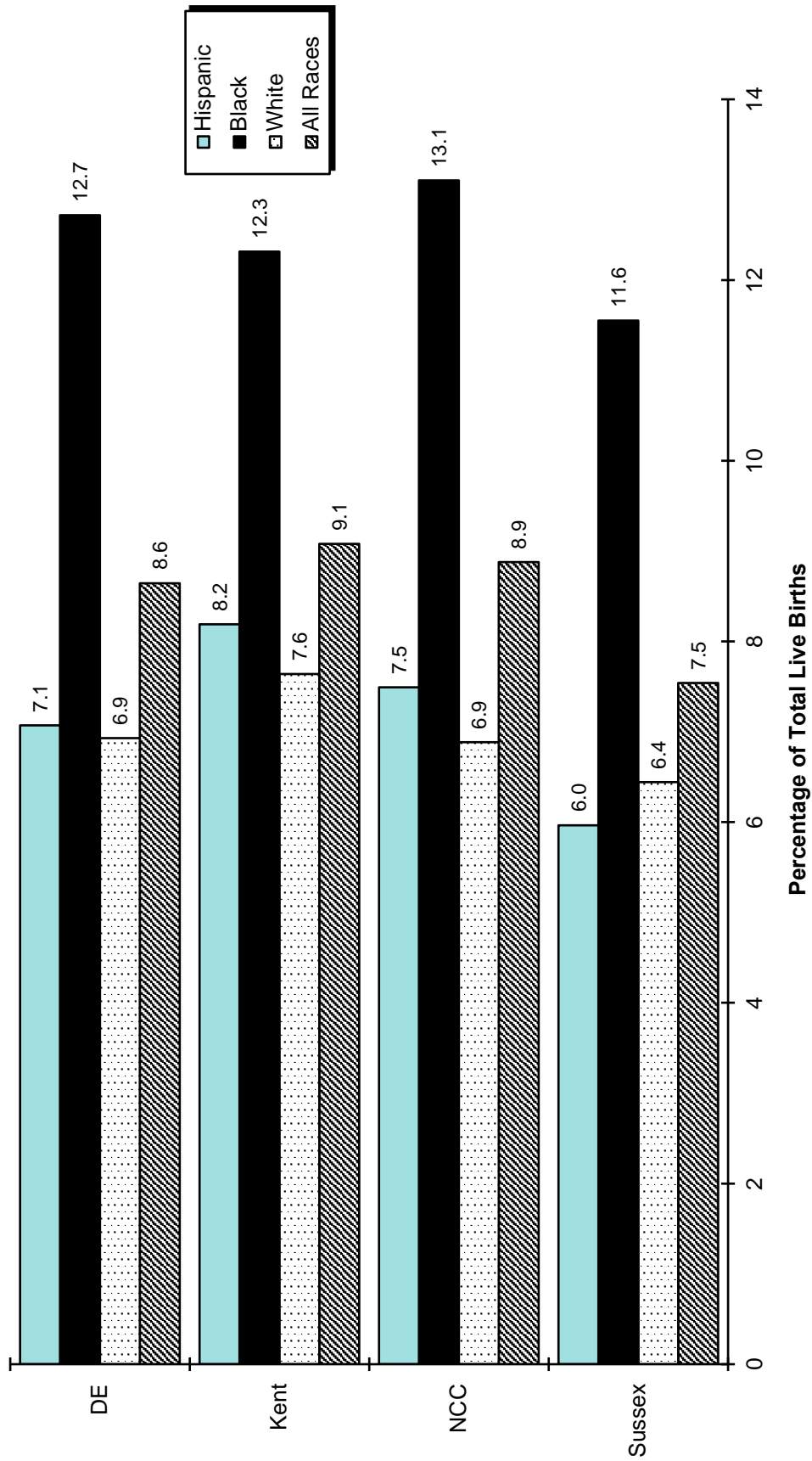
Sources: National Center for Health Statistics  
Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-11. Five-Year Average Percentage of Low Birthweight Births (<2,500 Grams), by Race and Hispanic Origin\*, Delaware, 1992-2016**



Note: \*Hispanic may be of any race.  
 Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-12. Five-Year Average Percentage of Low Birthweight Births (<2,500 Grams), by Race and Hispanic Origin\*, Delaware and Counties, 2012-2016**



Note: \*Hispanic may be of any race.  
 Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**TABLE C-27. FIVE-YEAR AVERAGE PERCENTAGE OF VERY LOW BIRTHWEIGHT BIRTHS (<1,500 GRAMS), BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**ALL RACES**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	N/A
<20	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	N/A
20-24	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	N/A
25-29	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	N/A
30+	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	N/A
<b>Delaware</b>	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8
<20	2.4	2.5	2.5	2.2	2.4	2.4	2.4	2.4	2.7	2.4	2.3	2.3	2.2	1.9	1.8	1.6
20-24	2.0	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.7	1.7	1.8	1.7	1.7	1.8	1.8
25-29	1.5	1.6	1.7	1.7	1.7	1.8	1.7	1.6	1.6	1.6	1.6	1.7	1.6	1.7	1.8	1.8
30+	1.8	1.8	2.0	1.9	2.0	2.0	1.9	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7
<b>Kent</b>	1.8	1.8	1.9	2.0	1.9	1.8	1.8	1.7	1.7	1.5	1.5	1.5	1.5	1.5	1.7	1.7
<20	1.8	1.8	1.8	1.7	2.1	2.2	2.7	2.6	3.0	2.0	2.1	1.6	1.8	1.6	1.8	1.6
20-24	1.8	1.6	2.1	2.2	2.2	2.1	2.0	1.8	1.6	1.4	1.3	1.4	1.4	1.5	1.8	1.8
25-29	1.7	1.5	1.8	1.9	1.8	1.5	1.5	1.4	1.3	1.2	1.2	1.3	1.2	1.3	1.5	1.7
30+	2.0	2.2	2.0	1.9	1.7	1.6	1.5	1.7	1.9	1.7	1.8	1.7	1.7	1.5	1.7	1.7
<b>New Castle</b>	1.9	1.9	2.0	1.9	2.0	2.1	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0
<20	2.6	2.8	2.8	2.6	2.8	2.8	2.7	2.7	2.8	2.5	2.3	2.4	2.3	2.0	1.8	1.5
20-24	2.3	2.2	2.1	1.8	1.9	1.9	2.0	2.2	2.3	2.1	2.1	2.1	2.0	2.0	2.1	2.1
25-29	1.5	1.6	1.6	1.6	1.7	1.8	1.7	1.7	1.8	1.9	2.0	2.1	2.0	2.1	2.1	2.1
30+	1.7	1.8	2.1	2.0	2.1	2.2	2.1	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9
<b>Wilmington</b>	3.0	3.1	3.1	2.9	3.0	3.1	3.0	2.8	3.1	3.1	2.8	2.9	2.8	2.6	2.5	2.8
<20	3.2	3.5	3.2	2.7	2.7	2.9	2.6	3.0	3.2	3.2	2.3	2.7	2.2	2.0	1.9	2.2
20-24	3.3	3.3	3.5	3.3	3.3	3.2	3.1	2.7	2.8	2.4	2.4	2.7	2.9	2.9	3.0	3.1
25-29	2.4	2.5	2.4	2.7	3.1	3.5	3.5	3.3	3.2	3.5	3.1	2.9	2.7	2.5	2.5	2.8
30+	2.9	2.8	3.0	2.9	2.9	2.7	2.7	2.4	3.2	3.3	3.1	3.1	3.1	2.6	2.4	2.6
<b>Balance of NC County</b>	1.7	1.7	1.8	1.7	1.8	1.9	1.9	1.8	1.9	1.8	1.9	1.8	1.8	1.8	1.9	1.8
<20	2.2	2.5	2.6	2.6	2.9	2.8	2.7	2.6	2.6	2.1	2.3	2.3	2.3	2.1	1.8	1.2
20-24	2.0	1.9	1.6	1.4	1.4	1.5	1.7	2.0	2.1	2.0	2.0	1.9	1.8	1.7	1.8	1.8
25-29	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4	1.5	1.7	1.8	1.9	1.9	2.0	2.0	1.9
30+	1.6	1.7	2.0	1.9	2.0	2.1	2.1	1.9	1.9	1.8	1.7	1.7	1.8	1.8	1.9	1.8
<b>Sussex</b>	1.6	1.7	1.6	1.6	1.6	1.7	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3
<20	2.4	2.3	2.3	1.9	1.6	1.7	1.6	1.7	2.2	2.4	2.3	2.5	2.2	1.9	1.7	1.8
20-24	1.4	1.5	1.4	1.4	1.5	1.5	1.4	1.3	1.3	1.3	1.4	1.5	1.5	1.3	1.2	1.3
25-29	1.3	1.6	1.8	1.8	1.9	1.9	1.8	1.6	1.3	1.2	1.0	0.8	1.1	1.3	1.2	1.3
30+	1.8	1.6	1.4	1.5	1.5	1.5	1.3	1.4	1.5	1.5	1.5	1.6	1.5	1.4	1.4	1.3

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

**TABLE C-28. FIVE-YEAR AVERAGE PERCENTAGE OF VERY LOW BIRTHWEIGHT BIRTHS (<1,500 GRAMS), BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1996-2015**

**WHITE**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<20	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20-24	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
25-29	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30+	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Delaware</b>	1.3	1.4	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3
<20	1.7	1.9	2.0	1.8	1.9	1.9	1.7	1.7	1.8	1.4	1.4	1.5	1.4	1.3	1.3	1.2
20-24	1.4	1.4	1.5	1.3	1.2	1.3	1.2	1.3	1.3	1.3	1.2	1.2	1.1	1.0	1.1	1.2
25-29	1.0	1.2	1.3	1.3	1.3	1.3	1.2	1.1	1.1	1.2	1.1	1.1	1.1	1.2	1.2	1.3
30+	1.3	1.4	1.4	1.4	1.5	1.5	1.3	1.3	1.3	1.2	1.2	1.3	1.2	1.2	1.3	1.3
<b>Kent</b>	1.2	1.4	1.5	1.6	1.4	1.4	1.2	1.2	1.2	1.1	1.1	1.2	1.1	1.2	1.3	1.3
<20	1.4	1.6	1.3	1.1	1.3	1.5	1.6	1.6	1.8	1.1	1.0	0.7	0.6	0.5	0.5	0.9
20-24	1.2	1.3	1.7	1.8	1.6	1.7	1.4	1.3	1.2	1.1	1.0	1.2	1.1	1.3	1.5	1.5
25-29	1.2	1.3	1.4	1.6	1.4	1.1	1.0	1.0	0.9	0.9	1.1	1.3	1.2	1.2	1.3	1.4
30+	1.3	1.7	1.5	1.5	1.3	1.3	1.1	1.2	1.3	1.1	1.3	1.1	1.1	1.1	1.3	1.3
<b>New Castle</b>	1.3	1.3	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.3	1.4
<20	1.9	2.0	2.3	2.2	2.3	2.1	1.9	1.9	1.8	1.2	1.4	1.7	1.4	1.3	1.5	1.3
20-24	1.5	1.5	1.4	1.1	1.1	1.2	1.3	1.5	1.6	1.4	1.3	1.2	1.1	1.1	1.2	1.4
25-29	1.0	1.0	1.1	1.1	1.2	1.4	1.3	1.2	1.3	1.4	1.3	1.3	1.2	1.2	1.2	1.3
30+	1.2	1.3	1.5	1.5	1.6	1.6	1.5	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4
Wilmington	2.0	1.8	1.7	1.3	1.2	1.5	1.2	1.2	1.5	1.6	1.2	1.6	1.6	1.4	1.5	2.0
<20	2.6	2.8	2.7	2.0	1.4	1.4	1.1	1.6	1.2	1.4	0.9	2.0	1.1	1.2	2.0	2.3
20-24	2.8	2.8	2.3	1.7	1.3	1.8	1.7	1.7	1.7	1.3	0.6	0.7	1.2	1.1	1.2	2.3
25-29	1.4	1.3	2.0	1.4	1.6	2.2	1.9	1.3	1.5	1.6	1.0	1.2	0.9	0.9	0.8	1.5
30+	1.7	1.1	0.9	0.7	0.8	0.8	0.5	0.7	1.4	1.8	1.7	2.3	2.3	1.9	1.9	2.2
Balance of NC County	1.2	1.3	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.3	1.3
<20	1.8	1.9	2.2	2.2	2.5	2.2	2.1	2.0	1.9	1.2	1.4	1.7	1.5	1.3	1.4	1.1
20-24	1.3	1.3	1.3	1.1	1.0	1.1	1.2	1.5	1.6	1.4	1.4	1.3	1.1	1.1	1.2	1.3
25-29	0.9	1.0	1.0	1.1	1.2	1.3	1.2	1.2	1.3	1.3	1.3	1.3	1.2	1.3	1.3	1.3
30+	1.2	1.3	1.5	1.5	1.6	1.7	1.5	1.4	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.3
<b>Sussex</b>	1.4	1.5	1.5	1.3	1.3	1.3	1.2	1.1	1.1	1.1	1.0	1.0	1.1	1.1	1.1	1.0
<20	1.7	1.8	2.1	1.6	1.4	1.8	1.5	1.3	1.7	1.9	1.6	1.7	1.8	1.8	1.5	1.3
20-24	1.4	1.5	1.3	1.2	1.1	1.1	0.9	1.0	1.0	1.0	1.1	1.2	1.0	0.8	0.7	0.8
25-29	0.9	1.4	1.6	1.5	1.4	1.5	1.4	1.1	0.9	0.9	0.7	0.4	0.8	1.1	1.1	1.2
30+	1.6	1.4	1.2	1.2	1.3	1.3	1.1	1.0	1.1	1.0	1.1	1.2	1.2	1.0	1.1	1.0

Note:  
N/A indicates data not available.

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

**TABLE C-29. FIVE-YEAR AVERAGE PERCENTAGE OF VERY LOW BIRTHWEIGHT BIRTHS (<1,500 GRAMS), BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**BLACK**

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<20	2.9	2.9	2.9	2.9	2.9	3.0	3.0	2.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20-24	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
25-29	3.1	3.1	3.0	3.0	3.0	3.0	3.0	2.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30+	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Delaware</b>	3.6	3.4	3.5	3.3	3.5	3.5	3.5	3.5	3.5	3.4	3.4	3.3	3.3	3.2	3.2	3.1
<20	3.3	3.3	3.2	2.8	3.1	3.2	3.3	3.5	3.9	3.7	3.5	3.3	3.2	2.8	2.6	2.1
20-24	3.4	3.0	3.0	2.9	3.2	3.2	3.3	3.1	3.0	2.7	2.7	2.8	2.9	2.8	2.9	2.9
25-29	3.6	3.3	3.3	3.4	3.4	3.5	3.4	3.4	3.2	3.3	3.3	3.3	3.1	3.2	3.3	3.2
30+	4.2	4.3	4.5	4.4	4.2	4.4	4.2	4.0	4.3	4.3	4.1	3.8	3.8	3.7	3.6	3.4
<b>Kent</b>	3.8	3.1	3.4	3.3	3.5	3.3	3.5	3.2	3.2	2.5	2.4	2.3	2.3	2.3	2.6	2.8
<20	2.7	2.3	2.7	2.5	3.1	3.1	4.1	3.7	4.4	3.1	3.5	2.8	3.3	3.1	3.7	2.7
20-24	3.5	2.7	3.2	3.1	3.6	3.2	3.4	3.1	2.6	2.0	1.9	1.9	2.1	2.2	2.5	2.5
25-29	3.8	2.8	3.5	3.2	3.4	3.3	3.2	2.7	2.4	2.0	1.4	1.3	1.2	1.5	2.1	2.9
30+	5.5	5.1	4.7	4.5	3.8	3.5	3.4	3.5	4.1	3.6	3.6	3.5	3.3	2.6	3.0	3.1
<b>New Castle</b>	3.8	3.7	3.7	3.5	3.6	3.7	3.7	3.7	3.8	3.8	3.7	3.6	3.6	3.6	3.5	3.3
<20	3.3	3.6	3.3	3.0	3.3	3.6	3.5	3.7	3.9	3.8	3.3	3.2	3.2	2.8	2.4	1.7
20-24	3.8	3.5	3.2	3.1	3.2	3.2	3.3	3.3	3.4	3.1	3.2	3.2	3.2	3.1	3.1	3.0
25-29	3.7	3.5	3.5	3.5	3.3	3.4	3.3	3.5	3.4	3.8	3.9	4.1	3.8	4.0	3.9	3.6
30+	4.2	4.3	4.7	4.4	4.4	4.7	4.6	4.2	4.4	4.3	4.2	3.8	4.0	3.9	3.9	3.6
Wilmington	3.6	3.8	3.9	4.0	4.2	4.2	4.1	3.9	4.1	4.0	3.8	3.6	3.6	3.4	3.2	3.3
<20	3.4	3.7	3.4	2.9	3.1	3.5	3.1	3.4	3.9	3.8	2.7	2.9	2.7	2.3	1.9	2.2
20-24	3.6	3.5	4.0	3.9	4.1	3.8	3.7	3.2	3.3	2.9	3.1	3.4	3.5	3.5	3.6	3.5
25-29	3.0	3.3	2.7	3.7	4.2	4.7	4.8	4.9	4.5	5.0	4.6	4.2	3.8	3.6	3.5	3.7
30+	4.5	5.2	5.9	5.9	5.8	5.3	5.4	4.5	5.3	5.1	4.8	4.0	4.1	3.5	3.0	3.2
Balance of NC County	3.9	3.7	3.5	3.2	3.2	3.4	3.5	3.5	3.6	3.6	3.7	3.6	3.7	3.7	3.7	3.2
<20	3.1	3.6	3.2	3.1	3.5	3.8	3.9	4.0	4.0	3.8	4.0	3.5	3.6	3.3	2.7	1.3
20-24	4.1	3.5	2.4	2.3	2.5	2.6	3.0	3.4	3.5	3.3	3.3	3.0	3.0	2.8	2.8	2.7
25-29	4.2	3.7	3.9	3.4	2.9	2.8	2.6	2.7	2.7	3.2	3.6	4.0	3.9	4.1	4.1	3.5
30+	4.0	3.9	4.3	3.9	3.9	4.4	4.3	4.1	4.1	4.1	4.0	3.8	4.0	4.0	4.2	3.7
<b>Sussex</b>	2.6	2.6	2.5	2.7	3.0	3.0	2.8	3.0	3.0	3.1	3.0	3.2	2.9	2.8	2.3	2.5
<20	3.8	3.4	3.1	2.7	2.3	1.9	1.8	2.6	3.2	3.8	3.9	4.4	3.1	2.2	2.0	2.6
20-24	1.7	1.7	1.8	2.1	2.8	3.0	2.9	2.5	2.3	2.2	2.2	2.6	2.8	2.9	2.5	2.9
25-29	2.8	2.7	2.5	2.9	3.9	4.0	3.9	3.8	3.4	2.7	2.8	2.8	2.6	2.2	1.8	2.0
30+	2.4	3.2	3.0	3.8	3.3	3.2	2.6	3.5	3.7	4.9	4.2	4.1	3.4	3.8	2.6	2.4

Note:  
N/A indicates data not available.

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



**TABLE C-30. FIVE-YEAR AVERAGE PERCENTAGE OF VERY LOW BIRTHWEIGHT BIRTHS (<1,500 GRAMS), BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 1997-2016**

**HISPANIC ORIGIN\***

Area/ Age	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	N/A
<20	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	N/A
20-24	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	N/A
25-29	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.1	1.1	N/A
30+	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	N/A
<b>Delaware</b>	1.5	1.5	1.6	1.3	1.3	1.3	1.2	1.1	1.2	1.1	1.3	1.3	1.3	1.4	1.5	1.4
<20	2.8	2.4	2.6	2.2	1.9	1.4	1.4	1.2	1.2	0.9	1.2	1.5	1.5	1.5	1.7	1.9
20-24	1.0	1.1	1.1	0.8	0.8	0.8	0.9	0.8	0.9	0.8	1.0	0.9	0.9	0.9	1.0	1.0
25-29	1.5	1.6	1.6	1.4	1.4	1.3	1.1	1.0	1.1	1.0	1.1	1.1	1.1	1.4	1.5	1.6
30+	1.5	1.6	1.6	1.4	1.6	1.8	1.6	1.6	1.7	1.5	1.8	1.9	1.7	1.7	1.8	1.4
<b>Kent</b>	0.5	0.9	0.8	0.7	1.2	1.4	1.3	1.5	1.6	1.1	1.7	1.7	1.5	1.8	2.0	1.8
<20	0.0	0.0	0.0	0.0	2.7	2.5	2.3	2.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
20-24	0.7	0.6	1.2	0.9	0.4	1.2	1.1	1.0	1.3	1.4	1.7	2.0	1.7	2.0	2.2	1.3
25-29	0.8	2.1	1.3	1.3	2.0	1.8	1.0	1.4	1.7	1.2	1.5	1.2	1.6	1.1	1.4	2.3
30+	0.0	0.0	0.0	0.0	0.7	0.6	1.1	1.9	1.7	1.4	2.8	2.6	1.8	3.0	3.0	1.8
<b>New Castle</b>	2.0	1.9	1.9	1.6	1.6	1.5	1.4	1.3	1.4	1.3	1.5	1.6	1.6	1.6	1.7	1.6
<20	3.7	3.2	3.4	3.0	2.3	1.7	1.6	1.5	1.4	1.3	1.7	2.2	2.1	1.7	1.8	1.3
20-24	1.3	1.3	1.1	1.0	1.0	1.0	1.1	1.0	1.1	0.9	0.9	0.8	0.9	0.9	1.1	1.5
25-29	2.1	1.7	1.8	1.2	1.2	1.1	1.1	1.1	1.2	1.3	1.6	1.7	1.6	2.0	2.2	1.9
30+	1.6	1.9	2.0	1.8	2.2	2.4	1.9	1.9	2.0	1.8	2.0	2.2	2.2	1.9	1.8	1.4
Wilmington	2.4	2.1	1.9	1.2	1.1	1.6	1.5	1.7	1.9	2.1	1.6	2.2	1.9	1.8	1.5	2.1
<20	3.6	3.8	3.2	2.2	1.3	1.2	0.9	1.9	1.5	1.7	1.2	2.8	1.5	1.7	1.9	3.3
20-24	2.0	1.9	1.4	1.1	1.1	1.5	1.7	1.5	1.6	1.7	1.3	1.2	1.7	1.3	1.0	1.9
25-29	2.7	2.1	2.5	1.2	1.1	2.2	1.8	1.7	2.1	2.5	1.2	1.7	1.3	0.9	1.0	1.5
30+	1.2	0.5	0.5	0.0	1.0	1.4	1.3	1.8	2.7	2.8	2.9	3.9	3.3	3.2	2.3	2.2
Balance of NC County	1.8	1.8	1.9	1.7	1.7	1.4	1.3	1.2	1.3	1.1	1.5	1.5	1.6	1.6	1.8	1.5
<20	3.8	2.9	3.6	3.4	2.8	2.0	1.9	1.3	1.4	1.1	1.9	2.0	2.3	1.7	1.8	0.7
20-24	1.0	1.0	1.0	0.9	1.0	0.8	0.8	0.8	0.9	0.6	0.8	0.7	0.6	0.8	1.1	1.4
25-29	1.8	1.5	1.5	1.2	1.2	0.8	0.9	0.9	1.0	1.0	1.7	1.7	1.7	2.3	2.4	2.0
30+	1.7	2.3	2.5	2.2	2.5	2.6	2.1	1.9	1.9	1.7	1.8	1.9	2.0	1.6	1.7	1.3
<b>Sussex</b>	0.8	1.0	1.1	1.0	0.8	0.8	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.8	1.0	1.0
<20	1.1	1.0	1.3	1.2	0.7	0.3	0.6	0.3	0.5	0.5	0.6	0.7	0.9	1.5	2.0	2.7
20-24	0.4	0.8	0.9	0.5	0.5	0.5	0.4	0.4	0.6	0.6	0.9	0.7	0.7	0.5	0.3	0.0
25-29	0.5	1.2	1.5	1.6	1.5	1.5	1.0	0.9	0.6	0.5	0.2	0.1	0.3	0.5	0.7	0.7
30+	1.6	1.2	1.0	0.8	0.4	0.8	0.9	0.9	1.0	1.0	1.1	1.3	1.0	1.0	1.4	1.3

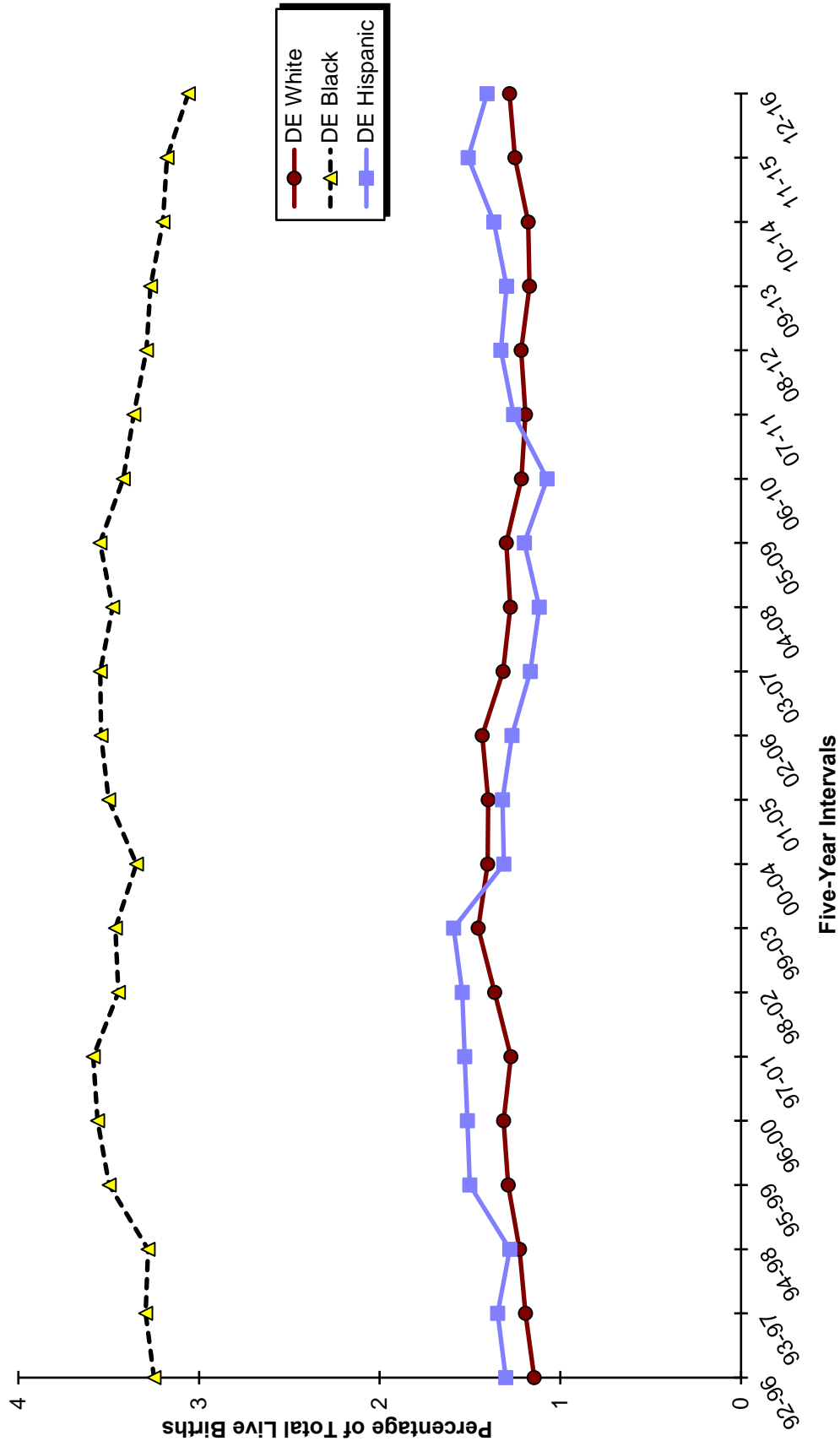
**Notes:**

\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.  
Percentages in this table should be interpreted with caution due to small numbers.

Sources: National Center for Health Statistics

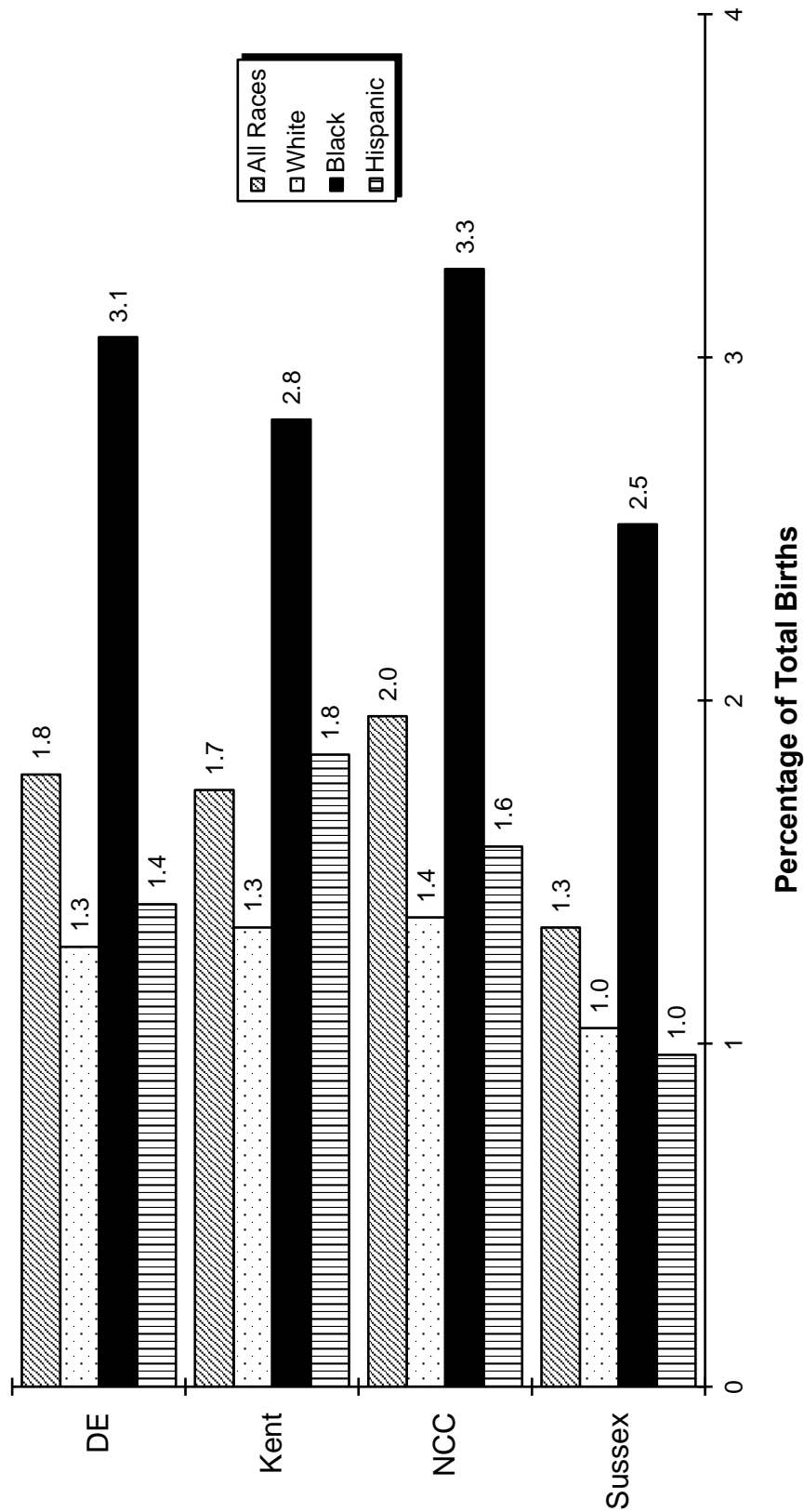
Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-13. Five-Year Average Percentage of Very Low Birthweight Births (<1,500 Grams), by Race and Hispanic Origin\*, Delaware, 1992-2016**



Note: \*Hispanic may be of any race.  
Sources: Delaware Department of Health and Social Service, Division of Public Health, Delaware Health Statistics Center

**Figure C-14. Five-Year Average Percentage of Very Low Birthweight Births (<1,500 Grams), by Race, Delaware and Counties, 2012-2016**



Note: \*Hispanic may be of any race.  
 Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**TABLE C-31. NUMBER OF LIVE BIRTHS BY BIRTHWEIGHT IN GRAMS AND AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Birthweight	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10,967	14	147	433	2,099	3,303	3,188	1,481	302	0
<2,500	986	1	11	38	214	281	258	147	36	0
<1,500	204	0	3	7	46	63	43	35	7	0
<500	29	0	0	0	8	8	7	6	0	0
500-749	41	0	1	1	10	13	6	8	2	0
750-999	44	0	0	2	9	12	13	6	2	0
1,000-1,499	90	0	2	4	19	30	17	15	3	0
1,500-1,999	194	1	1	6	42	55	52	31	6	0
2,000-2,499	588	0	7	25	126	163	163	81	23	0
2,500+	9,981	13	136	395	1,885	3,022	2,930	1,334	266	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2,247	2	36	115	518	760	538	224	54	0
<2,500	215	0	4	11	58	68	38	33	3	0
<1,500	43	0	1	3	7	16	8	8	0	0
<500	6	0	0	0	3	1	2	0	0	0
500-749	6	0	0	0	0	4	1	1	0	0
750-999	7	0	0	2	1	1	2	1	0	0
1,000-1,499	24	0	1	1	3	10	3	6	0	0
1,500-1,999	35	0	0	0	14	10	6	5	0	0
2,000-2,499	137	0	3	8	37	42	24	20	3	0
2,500+	2,032	2	32	104	460	692	500	191	51	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6,430	8	73	217	1,050	1,851	2,043	994	194	0
<2,500	578	1	3	22	98	155	184	92	23	0
<1,500	126	0	0	3	28	37	30	23	5	0
<500	22	0	0	0	5	7	5	5	0	0
500-749	28	0	0	1	8	7	4	7	1	0
750-999	28	0	0	0	5	7	10	4	2	0
1,000-1,499	48	0	0	2	10	16	11	7	2	0
1,500-1,999	113	1	0	3	13	28	39	25	4	0
2,000-2,499	339	0	3	16	57	90	115	44	14	0
2,500+	5,852	7	70	195	952	1,696	1,859	902	171	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Wilmington</b>	983	3	23	59	229	279	259	106	25	0
<2,500	103	0	1	4	28	25	28	15	2	0
<1,500	34	0	0	1	11	9	6	7	0	0
<500	6	0	0	0	3	2	0	1	0	0
500-749	12	0	0	1	4	3	1	3	0	0
750-999	6	0	0	0	2	1	3	0	0	0
1,000-1,499	10	0	0	0	2	3	2	3	0	0
1,500-1,999	17	0	0	0	3	3	7	4	0	0
2,000-2,499	52	0	1	3	14	13	15	4	2	0
2,500+	880	3	22	55	201	254	231	91	23	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	5,447	5	50	158	821	1,572	1,784	888	169	0
<2,500	475	1	2	18	70	130	156	77	21	0
<1,500	92	0	0	2	17	28	24	16	5	0
<500	16	0	0	0	2	5	5	4	0	0
500-749	16	0	0	0	4	4	3	4	1	0
750-999	22	0	0	0	3	6	7	4	2	0
1,000-1,499	38	0	0	2	8	13	9	4	2	0
1,500-1,999	96	1	0	3	10	25	32	21	4	0
2,000-2,499	287	0	2	13	43	77	100	40	12	0
2,500+	4,972	4	48	140	751	1,442	1,628	811	148	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2,290	4	38	101	531	692	607	263	54	0
<2500	193	0	4	5	58	58	36	22	10	0
<1500	35	0	2	1	11	10	5	4	2	0
<500	1	0	0	0	0	0	0	1	0	0
500-749	7	0	1	0	2	2	1	0	1	0
750-999	9	0	0	0	3	4	1	1	0	0
1000-1499	18	0	1	1	6	4	3	2	1	0
1500-1999	46	0	1	3	15	17	7	1	2	0
2000-2499	112	0	1	1	32	31	24	17	6	0
2500+	2,097	4	34	96	473	634	571	241	44	0
Unknown	0	0	0	0	0	0	0	0	0	0

**Notes:**

1. Low birthweight is less than 2500 grams.
2. Very low birthweight is less than 1500 grams.

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

**TABLE C-32. NUMBER OF LIVE BIRTHS BY BIRTHWEIGHT IN GRAMS, RACE AND HISPANIC ORIGIN OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Birthweight	Race				Hispanic Origin*
	All Races	White	Black	Other	
<b>Delaware</b>	10,967	7,051	3,014	865	1,543
<2,500	986	490	408	81	110
<1,500	204	96	92	16	25
<500	29	9	16	4	2
500-749	41	16	23	2	8
750-999	44	24	17	3	4
1,000-1,499	90	47	36	7	11
1,500-1,999	194	98	85	10	28
2,000-2,499	588	296	231	55	57
2,500+	9,981	6,561	2,606	784	1,433
Unknown	0	0	0	0	0
<b>Kent</b>	2,247	1,436	687	120	197
<2,500	215	101	101	12	25
<1,500	43	21	21	1	6
<500	6	3	3	0	0
500-749	6	4	2	0	2
750-999	7	4	3	0	2
1,000-1,499	24	10	13	1	2
1,500-1,999	35	18	15	2	7
2,000-2,499	137	62	65	9	12
2,500+	2,032	1,335	586	108	172
Unknown	0	0	0	0	0
<b>New Castle</b>	6,430	3,821	1,903	676	827
<2,500	578	260	252	60	53
<1,500	126	54	59	13	14
<500	22	5	13	4	2
500-749	28	10	16	2	6
750-999	28	15	11	2	2
1,000-1,499	48	24	19	5	4
1,500-1,999	113	51	55	6	13
2,000-2,499	339	155	138	41	26
2,500+	5,852	3,561	1,651	616	774
Unknown	0	0	0	0	0
<b>Wilmington</b>	983	366	579	36	142
<2,500	103	21	80	2	13
<1,500	34	10	24	0	5
<500	6	0	6	0	0
500-749	12	3	9	0	4
750-999	6	4	2	0	1
1,000-1,499	10	3	7	0	0
1,500-1,999	17	2	14	1	3
2,000-2,499	52	9	42	1	5
2,500+	880	345	499	34	129
Unknown	0	0	0	0	0
<b>Balance of NC County</b>	5,447	3,455	1,324	640	685
<2,500	475	239	172	58	40
<1,500	92	44	35	13	9
<500	16	5	7	4	2
500-749	16	7	7	2	2
750-999	22	11	9	2	1
1,000-1,499	38	21	12	5	4
1,500-1,999	96	49	41	5	10
2,000-2,499	287	146	96	40	21
2,500+	4,972	3,216	1,152	582	645
Unknown	0	0	0	0	0
<b>Sussex</b>	2,290	1,794	424	69	519
<2,500	193	129	55	9	32
<1,500	35	21	12	2	5
<500	1	1	0	0	0
500-749	7	2	5	0	0
750-999	9	5	3	1	0
1,000-1,499	18	13	4	1	5
1,500-1,999	46	29	15	2	8
2,000-2,499	112	79	28	5	19
2,500+	2,097	1,665	369	60	487
Unknown	0	0	0	0	0

Notes:

1. Low birthweight is less than 2500 grams.

2. Very low birthweight is less than 1500 grams.

\* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-33. NUMBER OF LIVE BIRTHS BY RACE AND HISPANIC ORIGIN OF MOTHER, WEEKS OF GESTATION, AND AGE OF MOTHER, DELAWARE, 2016**

Race-Origin/ Weeks	Age							
	Total	<20	20-24	25-29	30-34	35-39	40+	Unknown
<b>All Races</b>	10,967	594	2,099	3,303	3,188	1,481	302	0
<20 Weeks	13	0	4	6	2	1	0	0
20-27 Weeks	91	2	21	32	18	14	4	0
28-31 Weeks	175	17	38	48	42	26	4	0
32-35 Weeks	658	36	124	174	195	97	32	0
36 Weeks	451	27	88	119	125	74	18	0
37-39 Weeks	5,617	262	1,025	1,688	1,641	821	180	0
40 Weeks	2,277	151	421	679	715	267	44	0
41 Weeks	1,065	65	235	340	292	122	11	0
42+ Weeks	611	34	141	211	157	59	9	0
Unknown	9	0	2	6	1	0	0	0
<b>White</b>	7,051	317	1,203	2,171	2,204	958	198	0
<20 Weeks	1	0	1	0	0	0	0	0
20-27 Weeks	46	1	8	17	11	6	3	0
28-31 Weeks	103	9	20	30	26	15	3	0
32-35 Weeks	375	18	63	96	120	57	21	0
36 Weeks	272	17	48	72	73	51	11	0
37-39 Weeks	3,575	143	567	1,099	1,122	527	117	0
40 Weeks	1,520	75	261	464	520	170	30	0
41 Weeks	742	33	148	243	216	94	8	0
42+ Weeks	411	21	86	145	116	38	5	0
Unknown	6	0	1	5	0	0	0	0
<b>Black</b>	3,014	250	793	859	674	363	75	0
<20 Weeks	12	0	3	6	2	1	0	0
20-27 Weeks	38	1	12	14	4	6	1	0
28-31 Weeks	59	7	15	13	12	11	1	0
32-35 Weeks	237	18	56	65	62	28	8	0
36 Weeks	143	10	38	34	34	21	6	0
37-39 Weeks	1,588	106	410	457	367	204	44	0
40 Weeks	546	68	139	156	113	61	9	0
41 Weeks	239	28	73	67	51	17	3	0
42+ Weeks	149	12	46	46	28	14	3	0
Unknown	3	0	1	1	1	0	0	0
<b>Other</b>	865	27	97	259	302	152	28	0
<20 Weeks	0	0	0	0	0	0	0	0
20-27 Weeks	7	0	1	1	3	2	0	0
28-31 Weeks	13	1	3	5	4	0	0	0
32-35 Weeks	40	0	3	12	12	10	3	0
36 Weeks	33	0	2	12	17	2	0	0
37-39 Weeks	435	13	46	124	148	85	19	0
40 Weeks	205	8	19	57	81	35	5	0
41 Weeks	83	4	14	30	24	11	0	0
42+ Weeks	49	1	9	18	13	7	1	0
Unknown	0	0	0	0	0	0	0	0
<b>Hispanic Origin*</b>	1,543	151	371	441	331	206	43	0
<20 Weeks	1	0	0	1	0	0	0	0
20-27 Weeks	10	1	1	5	3	0	0	0
28-31 Weeks	33	7	8	10	4	3	1	0
32-35 Weeks	113	10	23	31	15	25	9	0
36 Weeks	66	8	15	17	17	7	2	0
37-39 Weeks	785	69	194	203	178	118	23	0
40 Weeks	315	35	74	98	67	35	6	0
41 Weeks	135	13	34	43	31	13	1	0
42+ Weeks	84	8	22	32	16	5	1	0
Unknown	1	0	0	1	0	0	0	0

*Notes:*

Weeks of gestation are calculated from the first day of the last normal menstrual period to date of delivery.

\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-34. NUMBER OF LIVE BIRTHS BY RACE AND HISPANIC ORIGIN OF MOTHER, BIRTHWEIGHT, AND WEEKS OF GESTATION, DELAWARE, 2016**

Race-Origin/ Birthweight	Weeks of Gestation									
	Total	Preterm				Term			Postterm	Unknown
		<28 Weeks	28-31 Weeks	32-35 Weeks	36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42+ Weeks	
<b>All Races</b>	10,967	104	175	658	451	5,617	2,277	1,065	611	9
<500	29	27	2	0	0	0	0	0	0	0
500-999	85	60	24	1	0	0	0	0	0	0
1,000-1,499	90	10	55	18	0	5	1	0	1	0
1,500-1,999	194	0	36	112	17	25	0	2	1	1
2,000-2,499	588	1	9	195	94	249	15	11	13	1
2,500-2,999	1,984	6	17	161	167	1,210	232	97	93	1
3,000-3,499	4,144	0	23	99	116	2,354	955	366	226	5
3,500-3,999	2,879	0	9	56	48	1,361	770	424	210	1
4,000-4,499	832	0	0	15	7	344	261	144	61	0
4,500+	142	0	0	1	2	69	43	21	6	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>White</b>	7,051	47	103	375	272	3,575	1,520	742	411	6
<500	9	8	1	0	0	0	0	0	0	0
500-999	40	26	14	0	0	0	0	0	0	0
1,000-1,499	47	8	29	8	0	1	1	0	0	0
1,500-1,999	98	0	25	50	7	13	0	1	1	1
2,000-2,499	296	0	6	100	46	124	6	6	7	1
2,500-2,999	1,097	5	10	92	105	650	133	46	55	1
3,000-3,499	2,608	0	11	70	76	1,478	593	244	133	3
3,500-3,999	2,073	0	7	42	33	972	557	309	153	0
4,000-4,499	665	0	0	12	3	280	196	118	56	0
4,500+	118	0	0	1	2	57	34	18	6	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Black</b>	3,014	50	59	237	143	1,588	546	239	149	3
<500	16	16	0	0	0	0	0	0	0	0
500-999	40	30	9	1	0	0	0	0	0	0
1,000-1,499	36	2	21	8	0	4	0	0	1	0
1,500-1,999	85	0	7	57	9	11	0	1	0	0
2,000-2,499	231	1	3	74	39	98	8	4	4	0
2,500-2,999	699	1	6	57	48	451	65	37	34	0
3,000-3,499	1,163	0	12	24	33	673	267	87	65	2
3,500-3,999	612	0	1	13	11	294	161	88	43	1
4,000-4,499	116	0	0	3	3	48	39	21	2	0
4,500+	16	0	0	0	0	9	6	1	0	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Other</b>	865	7	13	40	33	435	205	83	49	0
<500	4	3	1	0	0	0	0	0	0	0
500-999	5	4	1	0	0	0	0	0	0	0
1,000-1,499	7	0	5	2	0	0	0	0	0	0
1,500-1,999	10	0	4	4	1	1	0	0	0	0
2,000-2,499	55	0	0	18	9	24	1	1	2	0
2,500-2,999	181	0	1	11	13	104	34	14	4	0
3,000-3,499	359	0	0	5	7	196	90	34	27	0
3,500-3,999	188	0	1	0	3	93	51	27	13	0
4,000-4,499	48	0	0	0	0	14	26	5	3	0
4,500+	8	0	0	0	0	3	3	2	0	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Hispanic Origin*</b>	1,543	11	33	113	66	785	315	135	84	1
<500	2	2	0	0	0	0	0	0	0	0
500-999	12	8	4	0	0	0	0	0	0	0
1,000-1,499	11	0	7	3	0	1	0	0	0	0
1,500-1,999	28	0	7	17	1	2	0	0	0	1
2,000-2,499	57	0	0	21	6	28	1	1	0	0
2,500-2,999	254	1	5	26	25	149	29	11	8	0
3,000-3,499	647	0	7	31	25	358	148	46	32	0
3,500-3,999	403	0	3	12	9	186	109	52	32	0
4,000-4,499	107	0	0	3	0	49	26	20	9	0
4,500+	22	0	0	0	0	12	2	5	3	0
Unknown	0	0	0	0	0	0	0	0	0	0

Notes:

Weeks of gestation are calculated from the first day of the last normal menstrual period to date of delivery.

\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-35. NUMBER AND PERCENT OF LIVE BIRTHS BY RACE, HISPANIC ORIGIN, AGE OF MOTHER, AND PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY, DELAWARE, 2016**

Race-Origin/ Age	Source of Payment											
	Total		Medicaid		Private Insurance		Self Pay		Other Government		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	10,967	100.0	4,925	44.9	5,500	50.2	196	1.8	308	2.8	37	0.3
<20	594	100.0	454	76.4	122	20.5	8	1.3	8	1.3	2	0.3
20-24	2,099	100.0	1,353	64.5	641	30.5	29	1.4	73	3.5	3	0.1
25-29	3,303	100.0	1,516	45.9	1,581	47.9	67	2.0	128	3.9	11	0.3
30-34	3,188	100.0	1,030	32.3	2,026	63.6	52	1.6	72	2.3	8	0.3
35+	1,783	100.0	572	32.1	1,130	63.4	40	2.2	27	1.5	13	0.7
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>White</b>	7,051	100.0	2,737	38.8	3,925	55.7	133	1.9	236	3.3	20	0.3
<20	317	100.0	233	73.5	71	22.4	6	1.9	7	2.2	0	0.0
20-24	1,203	100.0	723	60.1	403	33.5	19	1.6	58	4.8	0	0.0
25-29	2,171	100.0	870	40.1	1,154	53.2	49	2.3	92	4.2	6	0.3
30-34	2,204	100.0	605	27.5	1,509	68.5	27	1.2	57	2.6	6	0.3
35+	1,156	100.0	306	26.5	788	68.2	32	2.8	22	1.9	8	0.7
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Black</b>	3,014	100.0	1,901	63.1	1,016	33.7	47	1.6	44	1.5	6	0.2
<20	250	100.0	199	79.6	47	18.8	1	0.4	1	0.4	2	0.8
20-24	793	100.0	574	72.4	200	25.2	9	1.1	9	1.1	1	0.1
25-29	859	100.0	563	65.5	266	31.0	8	0.9	21	2.4	1	0.1
30-34	674	100.0	352	52.2	288	42.7	23	3.4	10	1.5	1	0.1
35+	438	100.0	213	48.6	215	49.1	6	1.4	3	0.7	1	0.2
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Other</b>	865	100.0	276	31.9	541	62.5	14	1.6	28	3.2	5	0.6
<20	27	100.0	22	81.5	4	14.8	1	3.7	0	0.0	0	0.0
20-24	97	100.0	52	53.6	36	37.1	1	1.0	6	6.2	2	2.1
25-29	259	100.0	78	30.1	156	60.2	9	3.5	15	5.8	1	0.4
30-34	302	100.0	72	23.8	224	74.2	1	0.3	5	1.7	0	0.0
35+	180	100.0	52	28.9	121	67.2	2	1.1	2	1.1	2	1.1
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Hispanic Origin*</b>	1,543	100.0	1,138	73.8	326	21.1	31	2.0	39	2.5	8	0.5
<20	151	100.0	128	84.8	18	11.9	4	2.6	1	0.7	0	0.0
20-24	371	100.0	304	81.9	58	15.6	4	1.1	4	1.1	1	0.3
25-29	441	100.0	304	68.9	104	23.6	9	2.0	21	4.8	3	0.7
30-34	331	100.0	236	71.3	78	23.6	7	2.1	9	2.7	1	0.3
35+	249	100.0	166	66.7	68	27.3	7	2.8	4	1.6	3	1.2
Unknown	0	...	0	...	0	...	0	...	0	...	0	...

**Notes:**

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of births in each age category.
3. Percentages for the categories "Other" and "Hispanic" should be interpreted with caution due to small numbers.
4. All Delaware residents born out of state whose source of payment for delivery was not stated, were assigned to the private insurance category. See Technical Notes.

\* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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



**TABLE C-36. NUMBER AND PERCENT OF LIVE BIRTHS BY RACE, HISPANIC ORIGIN, MARITAL STATUS OF MOTHER, AND PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY, DELAWARE, 2016**

Race-Origin/ Marital Status	Source of Payment											
	Total		Medicaid		Private Insurance		Self Pay		Other Government		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	10,967	100.0	4,925	44.9	5,500	50.2	196	1.8	308	2.8	37	0.3
Married	5,942	100.0	1,355	22.8	4,166	70.1	133	2.2	262	4.4	25	0.4
Single	5,025	100.0	3,570	71.0	1,334	26.5	63	1.3	46	0.9	12	0.2
<b>White</b>	7,051	100.0	2,737	38.8	3,925	55.7	133	1.9	236	3.3	20	0.3
Married	4,292	100.0	849	19.8	3,129	72.9	94	2.2	205	4.8	15	0.3
Single	2,759	100.0	1,888	68.4	796	28.9	39	1.4	31	1.1	5	0.2
<b>Black</b>	3,014	100.0	1,901	63.1	1,016	33.7	47	1.6	44	1.5	6	0.2
Married	930	100.0	356	38.3	516	55.5	27	2.9	30	3.2	1	0.1
Single	2,084	100.0	1,545	74.1	500	24.0	20	1.0	14	0.7	5	0.2
<b>Other</b>	865	100.0	276	31.9	541	62.5	14	1.6	28	3.2	5	0.6
Married	697	100.0	147	21.1	507	72.7	11	1.6	27	3.9	4	0.6
Single	168	100.0	129	76.8	34	20.2	3	1.8	1	0.6	1	0.6
<b>Hispanic Origin*</b>	1,543	100.0	1,138	73.8	326	21.1	31	2.0	39	2.5	8	0.5
Married	621	100.0	366	58.9	208	33.5	12	1.9	30	4.8	4	0.6
Single	922	100.0	772	83.7	118	12.8	19	2.1	9	1.0	4	0.4

*Notes:*

1. Percentages may not add to 100% due to rounding.
  2. Percentages are calculated based upon the total number of births in each marital status category.
  3. Percentages for the categories "Other" and "Hispanic" should be interpreted with caution due to small numbers.
  4. All Delaware residents born out of state whose source of payment for delivery was not stated, were assigned to the private insurance category. See Technical Notes.
- \* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-37. NUMBER AND PERCENT OF LIVE BIRTHS BY RACE, HISPANIC ORIGIN OF MOTHER, METHOD OF DELIVERY, AND PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY, DELAWARE, 2016**

Race-Origin/ Method	Source of Payment											
	Total		Medicaid		Private Insurance		Self Pay		Other Government		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	10,967	100.0	4,925	100.0	5,500	100.0	196	100.0	308	100.0	37	100.0
Vaginal	7,476	68.2	3,357	68.2	3,726	67.7	149	76.0	228	74.0	16	43.2
C-section	3,489	31.8	1,568	31.8	1,772	32.2	47	24.0	80	26.0	21	56.8
Unknown	2	0.0	0	0.0	2	0.0	0	0.0	0	0.0	0	0.0
<b>White</b>	7,051	100.0	2,737	100.0	3,925	100.0	133	100.0	236	100.0	20	100.0
Vaginal	4,905	69.6	1,915	70.0	2,697	68.7	104	78.2	179	75.8	10	50.0
C-section	2,145	30.4	822	30.0	1,227	31.3	29	21.8	57	24.2	10	50.0
Unknown	1	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0
<b>Black</b>	3,014	100.0	1,901	100.0	1,016	100.0	47	100.0	44	100.0	6	100.0
Vaginal	1,978	65.6	1,249	65.7	666	65.6	33	70.2	28	63.6	2	33.3
C-section	1,036	34.4	652	34.3	350	34.4	14	29.8	16	36.4	4	66.7
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Other</b>	865	100.0	276	100.0	541	100.0	14	100.0	28	100.0	5	100.0
Vaginal	574	66.4	186	67.4	354	65.4	10	71.4	21	75.0	3	60.0
C-section	291	33.6	90	32.6	187	34.6	4	28.6	7	25.0	2	40.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Hispanic Origin*</b>	1,543	100.0	1,138	100.0	326	100.0	31	100.0	39	100.0	8	100.0
Vaginal	1,095	71.0	815	71.6	225	69.0	24	77.4	28	71.8	3	37.5
C-section	447	29.0	323	28.4	100	30.7	7	22.6	11	28.2	5	62.5
Unknown	1	0.1	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0

Notes:

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of births in each source of payment category.
3. Percentages for the categories "Other" and "Hispanic" should be interpreted with caution due to small numbers.
4. All Delaware residents born out of state whose source of payment for delivery was not stated, were assigned to the private insurance category. See Technical Notes.

\* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-38. NUMBER OF LIVE BIRTHS BY METHOD OF DELIVERY, DELAWARE, 2016**

Method of Delivery	Number
<b>Total</b>	10,967
<b>Vaginal</b>	7,476
<b>C-Section</b>	3,489
Primary C-Section	1,877
Repeat C-Section	1,612
<b>Unknown</b>	2

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

**TABLE C-39. NUMBER AND PERCENT OF LIVE BIRTHS BY BIRTHWEIGHT IN GRAMS AND METHOD OF DELIVERY, DELAWARE, 2016**

Birth weight	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10,967	100.0	7,476	68.2	3,489	31.8	2	0.0
<2,500	986	100.0	537	54.5	449	45.5	0	0.0
<1,500	204	100.0	104	51.0	100	49.0	0	0.0
1,500-2,499	782	100.0	433	55.4	349	44.6	0	0.0
2,500+	9,981	100.0	6,939	69.5	3,040	30.5	2	0.0
Unknown	0	...	0	...	0	...	0	...

Notes:

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of live births in each birth weight category.

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

**TABLE C-40. NUMBER AND PERCENT OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY, DELAWARE, 2016**

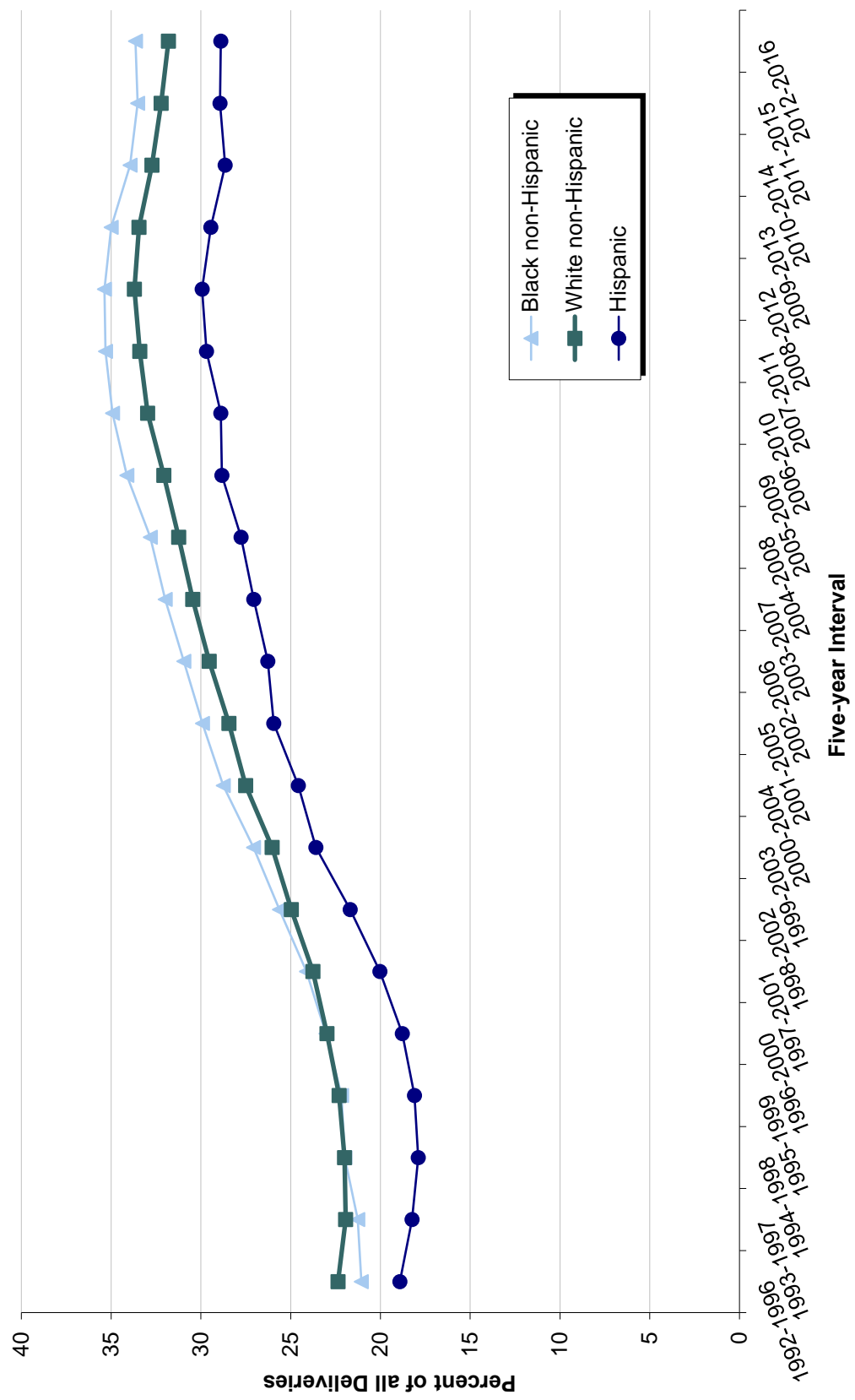
Age	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10,967	100.0	7476	68.2	3,489	31.8	2	0.0
<20	594	100.0	474	79.8	120	20.2	0	0.0
20-24	2,099	100.0	1565	74.6	534	25.4	0	0.0
25-29	3,303	100.0	2292	69.4	1,011	30.6	0	0.0
30-34	3,188	100.0	2106	66.1	1,081	33.9	1	0.0
35+	1,783	100.0	1039	58.3	743	41.7	1	0.1
Unknown	0	...	0	...	0	...	0	...

Notes:

1. Percentages may not add to 100% due to rounding.
  2. Percentages are calculated based upon the total number of live births in each age category.
- ...Indicates percentage is not calculated because the denominator is zero.

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

**Figure C-15. Five-year Percent Births by Cesarean Section Delivery by Race and Ethnicity, Delaware, 1992-2016**



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

**TABLE C-41. NUMBER AND PERCENT OF LIVE BIRTHS FOR MOTHERS REPORTING TOBACCO USE DURING PREGNANCY BY RACE AND HISPANIC ORIGIN OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Tobacco Use	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10,967	100.0	7,051	100.0	3,014	100.0	865	100.0	1,543	100.0
Yes	991	9.0	699	9.9	274	9.1	16	1.8	50	3.2
No	9,967	90.9	6,349	90.0	2,737	90.8	849	98.2	1,489	96.5
Unknown	9	0.1	3	0.0	3	0.1	0	0.0	4	0.3
<b>Kent</b>	2,247	100.0	1,436	100.0	687	100.0	120	100.0	197	100.0
Yes	229	10.2	173	12.0	50	7.3	6	5.0	5	2.5
No	2,015	89.7	1,262	87.9	635	92.4	114	95.0	192	97.5
Unknown	3	0.1	1	0.1	2	0.3	0	0.0	0	0.0
<b>New Castle</b>	6,430	100.0	3,821	100.0	1,903	100.0	676	100.0	827	100.0
Yes	490	7.6	299	7.8	181	9.5	8	1.2	38	4.6
No	5,936	92.3	3,521	92.1	1,721	90.4	668	98.8	786	95.0
Unknown	4	0.1	1	0.0	1	0.1	0	0.0	3	0.4
Wilmington	983	100.0	366	100.0	579	100.0	36	100.0	142	100.0
Yes	117	11.9	25	6.8	90	15.5	2	5.6	12	8.5
No	866	88.1	341	93.2	489	84.5	34	94.4	130	91.5
Unknown	-	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Balance of NC County	5,447	100.0	3,455	100.0	1,324	100.0	640	100.0	685	100.0
Yes	373	6.8	274	7.9	91	6.9	6	0.9	26	3.8
No	5,070	93.1	3,180	92.0	1,232	93.1	634	99.1	656	95.8
Unknown	4	0.1	1	0.0	1	0.1	0	0.0	3	0.4
<b>Sussex</b>	2,290	100.0	1,794	100.0	424	100.0	69	100.0	519	100.0
Yes	272	11.9	227	12.7	43	10.1	2	2.9	7	1.3
No	2,016	88.0	1,566	87.3	381	89.9	67	97.1	511	98.5
Unknown	2	0.1	1	0.1	0	0.0	0	0.0	1	0.2

Notes:

1. Percentages may not add to 100% due to rounding.
  2. Percentages are calculated based upon the total births within each race/origin category.
  3. Percentages for the categories "Other" and "Hispanic" should be interpreted with caution due to small numbers.
- \* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-42. NUMBER AND PERCENT OF LIVE BIRTHS BY AGE OF MOTHER AND MOTHER'S REPORTED USE OF TOBACCO DURING PREGNANCY, DELAWARE, 2016**

Age	Reported Tobacco Use							
	Total		Yes		No		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10,967	100.0	991	9.0	9,967	90.9	9	0.1
< 18	161	100.0	3	1.9	158	98.1	0	0.0
18-19	433	100.0	46	10.6	387	89.4	0	0.0
20-24	2,099	100.0	250	11.9	1,848	88.0	1	0.0
25-29	3,303	100.0	348	10.5	2,952	89.4	3	0.1
30-34	3,188	100.0	237	7.4	2,947	92.4	4	0.1
35 +	1,783	100.0	107	6.0	1,675	93.9	1	0.1
Unknown	0	...	0	...	0	...	0	...

Notes:

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of births in each age category.

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

**TABLE C-43. NUMBER AND PERCENT OF LIVE BIRTHS BY BIRTHWEIGHT IN GRAMS AND MOTHER'S REPORTED USE OF TOBACCO DURING PREGNANCY BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2016**

Area/ Birth Weight	Reported Tobacco Use							
	Total		Yes		No		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	10,967	100.0	991	100.0	9,967	100.0	9	100.0
<2500	986	9.0	171	17.3	813	8.2	2	22.2
2500+	9,981	91.0	820	82.7	9,154	91.8	7	77.8
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>Kent</b>	2,247	100.0	229	100.0	2,015	100.0	3	100.0
<2500	215	9.6	40	17.5	174	8.6	1	33.3
2500+	2,032	90.4	189	82.5	1,841	91.4	2	66.7
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>New Castle</b>	6,430	100.0	490	100.0	5,936	100.0	4	100.0
<2500	578	9.0	87	17.8	491	8.3	0	0.0
2500+	5,852	91.0	403	82.2	5,445	91.7	4	100.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
Wilmington	983	100.0	117	100.0	866	100.0	0	...
<2500	103	10.5	23	19.7	80	9.2	0	...
2500+	880	89.5	94	80.3	786	90.8	0	...
Unknown	0	0.0	0	0.0	0	0.0	0	...
Balance of NC County	5,447	100.0	373	100.0	5,070	100.0	4	100.0
<2500	475	8.7	64	17.2	411	8.1	0	0.0
2500+	4,972	91.3	309	82.8	4,659	91.9	4	100.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>Sussex</b>	2,290	100.0	272	100.0	2,016	100.0	2	100.0
<2500	193	8.4	44	16.2	148	7.3	1	50.0
2500+	2,097	91.6	228	83.8	1,868	92.7	1	50.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0

Notes:

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of live births in each tobacco use category.

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

**TABLE C-44. PERCENTAGE OF LIVE BIRTHS FOR MOTHERS REPORTING TOBACCO USE DURING PREGNANCY BY RACE AND HISPANIC ORIGIN, U.S. AND DELAWARE, 2002 -2016**

Year/ Area	Race			Hispanic Origin*
	All Races	White	Black	
<b>2016</b>	N/A	N/A	N/A	N/A
U.S.				
Delaware	8.9	9.6	8.9	3.2
<b>2015</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	9.9	10.8	10.8	3.3
<b>2014</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	10.1	10.9	10.3	3.2
<b>2013</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	10.9	11.7	10.3	4.5
<b>2012</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	12.4	13.8	11.3	3.7
<b>2011</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	11.7	13.0	10.4	3.6
<b>2010</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	12.3	13.3	11.8	3.0
<b>2009</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	13.4	14.5	12.8	3.4
<b>2008</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	12.4	13.3	12.3	3.2
<b>2007</b>				
U.S.	10.4	N/A	N/A	2.1
Delaware	12.8	14.0	12.6	3.4
<b>2006</b>				
U.S.	13.2	N/A	N/A	2.8
Delaware	9.4	10.1	8.5	2.8
<b>2005</b>				
U.S.	12.4	N/A	N/A	2.7
Delaware	11.6	12.7	10.3	3.3
<b>2004</b>				
U.S.	16.3	N/A	N/A	5.7
Delaware	11.8	12.4	11.8	2.9
<b>2003</b>				
U.S.	10.7	11.6	8.1	2.7
Delaware	11.3	12.6	10.2	3.0
<b>2002</b>				
U.S.	11.4	12.3	8.7	3.0
Delaware	12.9	13.9	12.0	4.0

*Notes:*

1. N/A indicates data not available.
  2. Percentages for the category "Hispanic" should be interpreted with caution due to small numbers.
  3. US percentages are based on the numbers reported by some states only.
- \* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

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

**TABLE C-45. NUMBER AND PERCENT OF LIVE BIRTHS BY DAY OF THE WEEK, DELAWARE, 2016**

Day	Number	Percent
Sunday	1,037	9.5
Monday	1,602	14.6
Tuesday	1,770	16.1
Wednesday	1,770	16.1
Thursday	1,772	16.2
Friday	1,752	16.0
Saturday	1,264	11.5
Total	10,967	100.0

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of live births.

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

**TABLE C-46. NUMBER AND PERCENT OF LIVE BIRTHS BY MONTH, DELAWARE, 2016**

Month	Number	Percent
January	860	7.8
February	856	7.8
March	995	9.1
April	885	8.1
May	932	8.5
June	971	8.9
July	941	8.6
August	938	8.6
September	959	8.7
October	905	8.3
November	886	8.1
December	839	7.7
Total	10,967	100.0

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of live births.

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



**TABLE C-47. MOST POPULAR BIRTH NAMES BY SEX OF CHILD, DELAWARE, 2015-2016**

**Males**

Rank	2015	
	Name	Number
1	Liam	63
2	Mason	59
3	Noah	58
4	Michael	51
5	Jackson	47
6	Luke	46
7	William	43
8	Aiden	42
8	Alexander	42
10	Anthony	40
10	Benjamin	40
10	Logan	40
13	Christopher	39
14	Cameron	38
15	Ethan	37

Rank	2016	
	Name	Number
1	Michael	62
2	Liam	61
3	Mason	50
4	Noah	49
5	William	47
6	Alexander	44
6	Carter	44
6	Logan	44
9	Jacob	42
10	Jackson	40
10	James	40
12	Anthony	39
13	Joseph	38
14	Benjamin	36
14	Lucas	36

**Females**

Rank	2015	
	Name	Number
1	Ava	61
2	Olivia	59
3	Sophia	56
4	Emma	44
5	Abigail	41
5	Mia	41
7	Madison	40
8	Grace	34
9	Isabella	33
10	Savannah	32
11	Aubrey	29
11	Avery	29
11	Charlotte	29
11	Sofia	29
15	Elizabeth	28

Rank	2016	
	Name	Number
1	Ava	65
2	Olivia	61
3	Charlotte	49
4	Emma	44
5	Sophia	43
6	Isabella	42
7	Harper	40
8	Elizabeth	37
9	Aubrey	33
10	Emily	30
10	Riley	28
11	Madison	26
11	Mia	26
14	Amelia	25
14	Avery	25

*Note:*  
The most popular names reflect the most frequently occurring names based upon spelling. No attempt is made to account for variations in spelling.

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

**TABLE C-48. RANKING OF PERCENTAGE OF LOW BIRTHWEIGHT (<2,500 GRAMS), U.S., 50 STATES AND DISTRICT OF COLUMBIA, 2016**

State	Low Birthweight	
	Rate	Rank
Alabama	10.0	2
Alaska	5.0	50
Arizona	7.0	29
Arkansas	8.0	12
California	6.0	41
Colorado	9.0	4
Connecticut	7.0	29
<b>Delaware</b>	8.0	12
District of Columbia	N/A	51
Florida	8.0	12
Georgia	9.0	4
Hawaii	8.0	12
Idaho	7.0	29
Illinois	8.0	12
Indiana	8.0	12
Iowa	6.0	41
Kansas	7.0	29
Kentucky	9.0	4
Louisiana	10.0	2
Maine	7.0	29
Maryland	8.0	12
Massachusetts	7.0	29
Michigan	8.0	12
Minnesota	6.0	41
Mississippi	11.0	1
Missouri	8.0	12
Montana	7.0	29
Nebraska	7.0	29
Nevada	8.0	12
New Hampshire	6.0	41
New Jersey	8.0	12
New Mexico	9.0	4
New York	7.0	29
North Carolina	9.0	4
North Dakota	6.0	41
Ohio	8.0	12
Oklahoma	7.0	29
Oregon	6.0	41
Pennsylvania	8.0	12
Rhode Island	8.0	12
South Carolina	9.0	4
South Dakota	6.0	41
Tennessee	9.0	4
Texas	8.0	12
Utah	7.0	29
Vermont	6.0	41
Virginia	8.0	12
Washington	6.0	41
West Virginia	9.0	4
Wisconsin	7.0	29
Wyoming	8.0	12
United States	N/A	

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

**TABLE C-49. RANKING OF PERCENTAGE OF LIVE BIRTHS BY CESAREAN DELIVERY AND PERCENTAGE OF BIRTHS TO SINGLE MOTHERS, U.S., 50 STATES AND DISTRICT OF COLUMBIA, 2016**

State	Cesarean Deliveries		Single Mothers	
	Rate	Rank	Rate	Rank
Alabama	34.4	43	44.0	10
Alaska	23.0	2	36.0	32
Arizona	27.5	15	45.0	6
Arkansas	32.3	35	44.0	10
California	31.9	32	38.0	28
Colorado	26.2	9	22.0	49
Connecticut	35.4	47	36.0	32
<b>Delaware</b>	31.8	31	45.0	6
District of Columbia	31.6	30	N/A	51
Florida	37.4	49	46.0	5
Georgia	33.8	40	44.0	10
Hawaii	25.2	5	37.0	30
Idaho	23.9	3	27.0	48
Illinois	31.1	27	39.0	23
Indiana	29.8	20	42.0	16
Iowa	30.1	22	35.0	37
Kansas	29.5	19	36.0	32
Kentucky	34.6	45	41.0	18
Louisiana	37.5	50	52.0	2
Maine	28.9	16	39.0	23
Maryland	33.7	39	39.0	23
Massachusetts	31.3	29	33.0	41
Michigan	32.0	33	41.0	18
Minnesota	26.8	10	32.0	43
Mississippi	38.2	51	53.0	1
Missouri	30.2	23	39.0	23
Montana	29.1	17	36.0	32
Nebraska	31.0	26	32.0	43
Nevada	33.8	40	47.0	4
New Hampshire	30.9	25	33.0	41
New Jersey	36.2	48	34.0	39
New Mexico	24.8	4	51.0	3
New York	33.8	40	38.0	28
North Carolina	29.4	18	40.0	21
North Dakota	26.8	10	31.0	46
Ohio	30.8	24	43.0	14
Oklahoma	32.0	33	42.0	16
Oregon	27.2	12	35.0	37
Pennsylvania	29.8	20	40.0	21
Rhode Island	31.3	28	44.0	10
South Carolina	33.5	38	45.0	6
South Dakota	25.3	6	36.0	32
Tennessee	32.6	36	43.0	14
Texas	34.5	43	41.0	18
Utah	22.3	1	18.0	50
Vermont	25.7	7	39.0	23
Virginia	33.0	37	34.0	39
Washington	27.4	13	31.0	46
West Virginia	34.9	46	45.0	6
Wisconsin	26.0	8	37.0	30
Wyoming	27.4	13	32.0	43
United States	31.9		40.3	

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

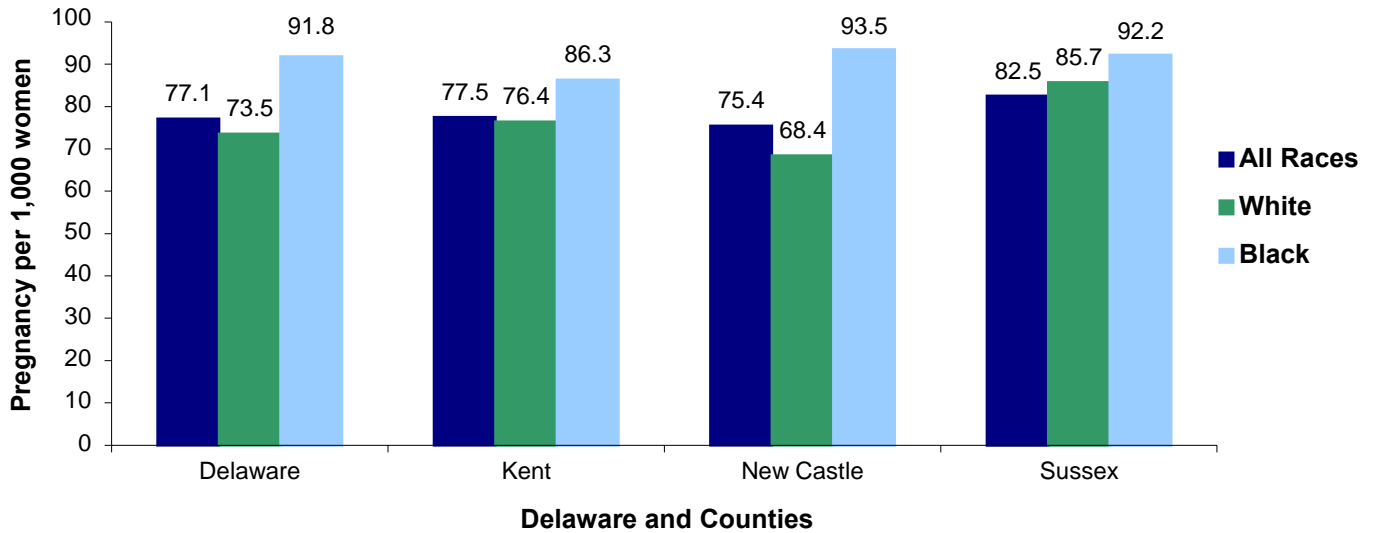
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# Reported Pregnancies

## REPORTED PREGNANCIES

At 77 reported pregnancies per 1,000 women ages 15-44, the 2012-2016 rate of reported pregnancies decreased by 9.8 percent from the 85.5 rate in 2007-2011. Although pregnancy rates of black mothers were significantly higher than those of white mothers in every county, the largest difference between the pregnancy rate of white (68.4 percent) and black (93.5 percent) mothers occurred in New Castle County.

**Figure 21. Five-year Average Rate of Reported Pregnancies by Race, Delaware, and Counties, 2012-2016**

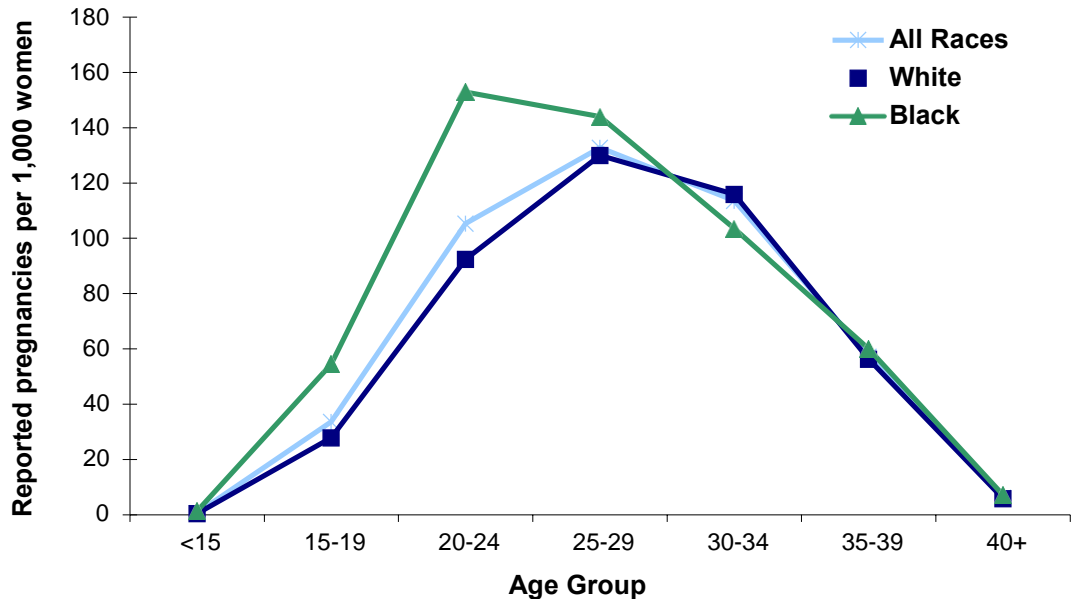


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure 22. Five-year Average Rate of Reported Pregnancies by Age and Race, Delaware, 2012-2016**

For women of all races, the 25-29 year age group had the highest pregnancy rate, at 132.8 pregnancies per 1,000 women in 2012-2016.

Black women had higher pregnancy rates than white women in all age groups except the 30-34 age group.

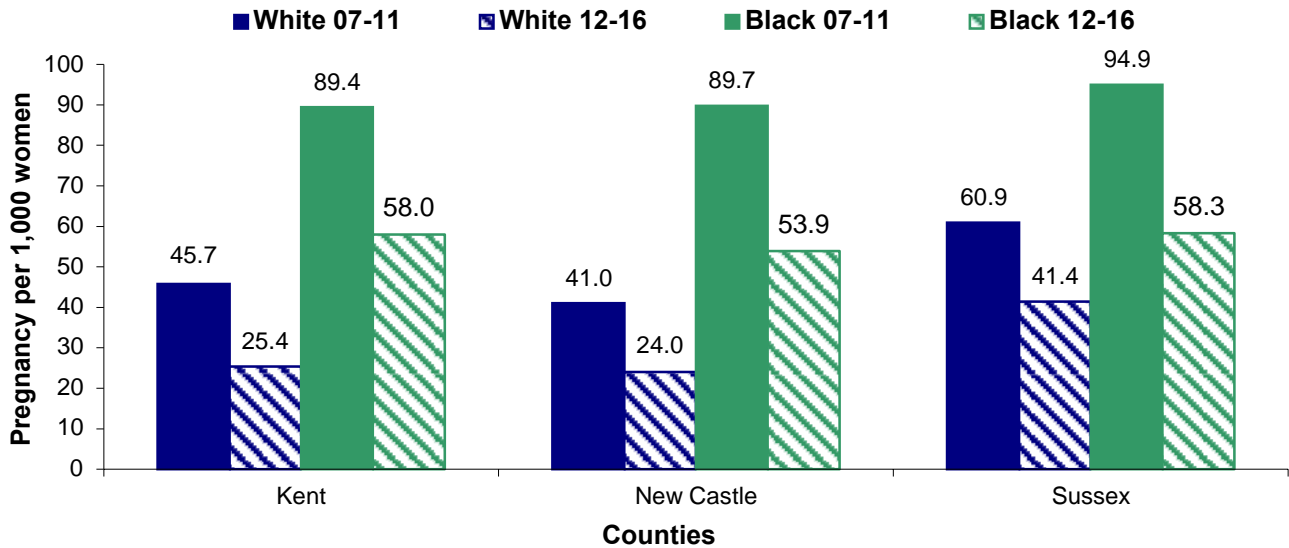


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## REPORTED PREGNANCIES

In all three counties the teen (15-19) pregnancy rates for all races declined between 2007-2011 and 2012-2016. Although all three counties had a significant decline in the black teen pregnancy rate, Sussex County's black teen pregnancy rate showed the greatest decline from 94.9 in 2007-2010 to 58.3 in 2012-2016. White teens in New Castle County had the lowest reported pregnancy rate at 24 pregnancies per 1,000 women in 2012-2016. With the exception of Sussex County, where white teen pregnancy rates were the highest, black teen pregnancy rates were more than twice that of white teens.

**Figure 23. Five-year Average Teenage (15-19) Pregnancy Rates, by County and Race, Delaware, 2007-2011 and 2012-2016**



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

- ▶ The five-year average (2012-2016) pregnancy rate for younger teens ages 15-17 was lowest in Kent County, with 14.6 pregnancies per 1,000 females, followed by New Castle County with a rate of 16 and Sussex County with a rate of 19.4. The rates decreased in all three counties between 2007-2011 and 2012-2016.
- ▶ The five-year average (2012-2016) pregnancy rate for older teens ages 18-19 was lowest in New Castle County (54.3 pregnancies per 1,000 females), and highest in Sussex County (73.7). See Table D-8.
- ▶ In 2016, there were 2,170 abortions performed in Delaware: 1,893 to Delaware residents and 277 to non-residents.
  - One eighth of all pregnancies to females under 15 ended in termination.
    - ⇒ 22.2 percent of pregnancies to white females under 15 ended in termination. There were no terminations for black females under 15.
  - Married women undergo significantly fewer terminations than their single counterparts.
    - ⇒ 2.4 percent of pregnancies to white married women ended in termination and 7.3 percent of pregnancies to black married women ended in termination.
  - ⇒ When the women were unmarried, the number of pregnancies ending in termination increased to 24.9 percent among white women and 28.1 percent among black women.
- There were 48 fetal deaths of Delaware residents in 2016.
- There were 10,967 live births to Delaware residents in 2016.

**TABLE D-1. NUMBER AND PERCENT OF REPORTED PREGNANCIES BY AGE OF WOMAN AND COUNTY, DELAWARE, 2016**

Area/ Age	Reported Pregnancies							
	Total		Live Births		Fetal Deaths		Induced Terminations	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	12,908	100.0	10,967	85.0	48	0.4	1893	14.7
<15	16	100.0	14	87.5	0	0.0	2	12.5
15-19	791	100.0	580	73.3	5	0.6	206	26.0
15-17	217	100.0	147	67.7	1	0.5	69	31.8
18-19	574	100.0	433	75.4	4	0.7	137	23.9
20-24	2,651	100.0	2,099	79.2	10	0.4	542	20.4
25-29	3,855	100.0	3,303	85.7	17	0.4	535	13.9
30-34	3,548	100.0	3,188	89.9	8	0.2	352	9.9
35-39	1,681	100.0	1,481	88.1	6	0.4	194	11.5
40+	366	100.0	302	82.5	2	0.5	62	16.9
Unknown	0	...	0	...	0	...	0	...
<b>Kent</b>	2,579	100.0	2,247	87.1	12	0.5	320	12.4
<15	3	100.0	2	66.7	0	0.0	1	33.3
15-19	187	100.0	151	80.7	1	0.5	35	18.7
15-17	47	100.0	36	76.6	0	0.0	11	23.4
18-19	140	100.0	115	82.1	1	0.7	24	17.1
20-24	612	100.0	518	84.6	2	0.3	92	15.0
25-29	859	100.0	760	88.5	4	0.5	95	11.1
30-34	595	100.0	538	90.4	3	0.5	54	9.1
35-39	257	100.0	224	87.2	2	0.8	31	12.1
40+	66	100.0	54	81.8	0	0.0	12	18.2
Unknown	0	...	0	...	0	...	0	...
<b>New Castle</b>	7,759	100.0	6,430	82.9	26	0.3	1303	16.8
<15	8	100.0	8	100.0	0	0.0	0	0.0
15-19	432	100.0	290	67.1	1	0.2	141	32.6
15-17	120	100.0	73	60.8	0	0.0	47	39.2
18-19	312	100.0	217	69.6	1	0.3	94	30.1
20-24	1,427	100.0	1,050	73.6	6	0.4	371	26.0
25-29	2,221	100.0	1,851	83.3	10	0.5	360	16.2
30-34	2,299	100.0	2,043	88.9	5	0.2	251	10.9
35-39	1,135	100.0	994	87.6	3	0.3	138	12.2
40+	237	100.0	194	81.9	1	0.4	42	17.7
Unknown	0	...	0	...	0	...	0	...
<b>Sussex</b>	2,570	100.0	2,290	89.1	10	0.4	270	10.5
<15	5	100.0	4	80.0	0	0.0	1	20.0
15-19	172	100.0	139	80.8	3	1.7	30	17.4
15-17	50	100.0	38	76.0	1	2.0	11	22.0
18-19	122	100.0	101	82.8	2	1.6	19	15.6
20-24	612	100.0	531	86.8	2	0.3	79	12.9
25-29	775	100.0	692	89.3	3	0.4	80	10.3
30-34	654	100.0	607	92.8	0	0.0	47	7.2
35-39	289	100.0	263	91.0	1	0.3	25	8.7
40+	63	100.0	54	85.7	1	1.6	8	12.7
Unknown	0	...	0	...	0	...	0	...

Notes:

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of pregnancies within each area-age category.
3. Percentages for the age categories "<15" and "40+" may be misleading due to the small number of pregnancies in this category.

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

**TABLE D-2. NUMBER AND PERCENT OF REPORTED PREGNANCIES BY RACE, HISPANIC ORIGIN, AND AGE OF WOMAN, DELAWARE, 2016**

Race- Hispanic Origin/ Age	Reported Pregnancies							
	Total		Live Births		Fetal Deaths		Induced Terminations	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	12,908	100.0	10,967	85.0	48	0.4	1,893	14.7
<15	16	100.0	14	87.5	0	0.0	2	12.5
15-19	791	100.0	580	73.3	5	0.6	206	26.0
15-17	217	100.0	147	67.7	1	0.5	69	31.8
18-19	574	100.0	433	75.4	4	0.7	137	23.9
20-24	2,651	100.0	2,099	79.2	10	0.4	542	20.4
25-29	3,855	100.0	3,303	85.7	17	0.4	535	13.9
30-34	3,548	100.0	3,188	89.9	8	0.2	352	9.9
35-39	1,681	100.0	1,481	88.1	6	0.4	194	11.5
40+	366	100.0	302	82.5	2	0.5	62	16.9
Unknown	0	...	0	...	0	...	0	...
<b>White</b>	7,953	100.0	7,051	88.7	17	0.2	885	11.1
<15	9	100.0	7	77.8	0	0.0	2	22.2
15-19	411	100.0	310	75.4	2	0.5	99	24.1
15-17	101	100.0	70	69.3	1	1.0	30	29.7
18-19	310	100.0	240	77.4	1	0.3	69	22.3
20-24	1,453	100.0	1,203	82.8	4	0.3	246	16.9
25-29	2,419	100.0	2,171	89.7	6	0.2	242	10.0
30-34	2,379	100.0	2,204	92.6	3	0.1	172	7.2
35-39	1,056	100.0	958	90.7	2	0.2	96	9.1
40+	226	100.0	198	87.6	0	0.0	28	12.4
Unknown	0	...	0	...	0	...	0	...
<b>Black</b>	3,937	100.0	3,014	76.6	27	0.7	896	22.8
<15	6	100.0	6	100.0	0	0.0	0	0.0
15-19	345	100.0	244	70.7	3	0.9	98	28.4
15-17	102	100.0	69	67.6	0	0.0	33	32.4
18-19	243	100.0	175	72.0	3	1.2	65	26.7
20-24	1,059	100.0	793	74.9	5	0.5	261	24.6
25-29	1,142	100.0	859	75.2	10	0.9	273	23.9
30-34	832	100.0	674	81.0	4	0.5	154	18.5
35-39	447	100.0	363	81.2	3	0.7	81	18.1
40+	106	100.0	75	70.8	2	1.9	29	27.4
Unknown	0	...	0	...	0	...	0	...
<b>Other</b>	981	100.0	865	88.2	4	0.4	112	11.4
<15	1	100.0	1	100.0	0	0.0	0	0.0
15-19	35	100.0	26	74.3	0	0.0	9	25.7
15-17	14	100.0	8	57.1	0	0.0	6	42.9
18-19	21	100.0	18	85.7	0	0.0	3	14.3
20-24	133	100.0	97	72.9	1	0.8	35	26.3
25-29	280	100.0	259	92.5	1	0.4	20	7.1
30-34	329	100.0	302	91.8	1	0.3	26	7.9
35-39	170	100.0	152	89.4	1	0.6	17	10.0
40+	33	100.0	28	84.8	0	0.0	5	15.2
Unknown	0	...	0	...	0	...	0	...
<b>Hispanic*</b>	1,735	100.0	1,543	88.9	3	0.2	189	10.9
<15	4	100.0	4	100.0	0	0.0	0	0.0
15-19	169	100.0	147	87.0	1	0.6	21	12.4
15-17	46	100.0	42	91.3	0	0.0	4	8.7
18-19	123	100.0	105	85.4	1	0.8	17	13.8
20-24	428	100.0	371	86.7	2	0.5	55	12.9
25-29	494	100.0	441	89.3	0	0.0	53	10.7
30-34	367	100.0	331	90.2	0	0.0	36	9.8
35-39	223	100.0	206	92.4	0	0.0	17	7.6
40+	50	100.0	43	86.0	0	0.0	7	14.0
Unknown	0	...	0	...	0	...	0	...

Notes:

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of pregnancies within each race-age category.
3. Percentages for the age categories "<15" and "40+" may be misleading due to the small number of pregnancies in this category.
4. \*Women of Hispanic origin may be of any race.

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



**TABLE D-3. NUMBER AND PERCENT OF REPORTED PREGNANCIES BY RACE, HISPANIC ORIGIN, AND EDUCATION OF WOMAN, DELAWARE, 2016**

Race- Hispanic Origin/ Education	Reported Pregnancies							
	Total		Live Births		Fetal Deaths		Induced Terminations	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	12,908	100.0	10,967	85.0	48	0.4	1,893	14.7
<9	624	100.0	571	91.5	1	0.2	52	8.3
9 to 11	1,236	100.0	1,083	87.6	4	0.3	149	12.1
H.S. Grad	4,000	100.0	2,953	73.8	16	0.4	1,031	25.8
1 to 3 College	3,174	100.0	2,816	88.7	14	0.4	344	10.8
4+ College	3,646	100.0	3,486	95.6	9	0.2	151	4.1
Unknown	228	100.0	58	25.4	4	1.8	166	72.8
<b>White</b>	7,953	100.0	7,051	88.7	17	0.2	885	11.1
<9	518	100.0	486	93.8	0	0.0	32	6.2
9 to 11	733	100.0	650	88.7	2	0.3	81	11.1
H.S. Grad	2,126	100.0	1,655	77.8	4	0.2	467	22.0
1 to 3 College	1,996	100.0	1,824	91.4	7	0.4	165	8.3
4+ College	2,481	100.0	2,412	97.2	4	0.2	65	2.6
Unknown	99	100.0	24	24.2	0	0.0	75	75.8
<b>Black</b>	3,937	100.0	3,014	76.6	27	0.7	896	22.8
<9	59	100.0	47	79.7	0	0.0	12	20.3
9 to 11	440	100.0	383	87.0	2	0.5	55	12.5
H.S. Grad	1,708	100.0	1,177	68.9	12	0.7	519	30.4
1 to 3 College	1,023	100.0	851	83.2	6	0.6	166	16.2
4+ College	602	100.0	537	89.2	3	0.5	62	10.3
Unknown	105	100.0	19	18.1	4	3.8	82	78.1
<b>Other</b>	981	100.0	865	88.2	4	0.4	112	11.4
<9	46	100.0	37	80.4	1	2.2	8	17.4
9 to 11	63	100.0	50	79.4	0	0.0	13	20.6
H.S. Grad	161	100.0	116	72.0	0	0.0	45	28.0
1 to 3 College	146	100.0	132	90.4	1	0.7	13	8.9
4+ College	552	100.0	526	95.3	2	0.4	24	4.3
Unknown	13	100.0	4	30.8	0	0.0	9	69.2
<b>Hispanic*</b>	1,735	100.0	1,543	88.9	3	0.2	189	10.9
<9	424	100.0	389	91.7	1	0.2	34	8.0
9 to 11	310	100.0	284	91.6	0	0.0	26	8.4
H.S. Grad	526	100.0	444	84.4	0	0.0	82	15.6
1 to 3 College	319	100.0	287	90.0	2	0.6	30	9.4
4+ College	122	100.0	121	99.2	0	0.0	1	0.8
Unknown	34	100.0	18	52.9	0	0.0	16	47.1

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of pregnancies within each race-education category.
3. Percentages for the race category "Other" may be misleading due to the small number of pregnancies in this category.
4. \*Women of Hispanic origin may be of any race.

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

**TABLE D-4. NUMBER AND PERCENT OF REPORTED PREGNANCIES BY RACE AND MARITAL STATUS OF WOMAN BY COUNTY, DELAWARE, 2016**

Area/Race/ Marital Status	Reported Pregnancies							
	Total		Live Births		Fetal Deaths		Induced Terminations	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>								
All Races	12,908	100.0	10,967	85.0	48	0.4	1,893	14.7
Married	6,171	100.0	5,942	96.3	16	0.3	213	3.5
Single	6,737	100.0	5,025	74.6	32	0.5	1,680	24.9
White	7,953	100.0	7,051	88.7	17	0.2	885	11.1
Married	4,406	100.0	4,292	97.4	8	0.2	106	2.4
Single	3,547	100.0	2,759	77.8	9	0.3	779	22.0
Black	3,937	100.0	3,014	76.6	27	0.7	896	22.8
Married	1,008	100.0	930	92.3	4	0.4	74	7.3
Single	2,929	100.0	2,084	71.2	23	0.8	822	28.1
Other	981	100.0	865	88.2	4	0.4	112	11.4
Married	734	100.0	697	95.0	4	0.5	33	4.5
Single	247	100.0	168	68.0	0	0.0	79	32.0
<b>Kent</b>								
All Races	2,579	100.0	2,247	87.1	12	0.5	320	12.4
Married	1,221	100.0	1,193	97.7	5	0.4	23	1.9
Single	1,358	100.0	1,054	77.6	7	0.5	297	21.9
White	1,599	100.0	1,436	89.8	5	0.3	158	9.9
Married	907	100.0	890	98.1	3	0.3	14	1.5
Single	692	100.0	546	78.9	2	0.3	144	20.8
Black	840	100.0	687	81.8	7	0.8	146	17.4
Married	240	100.0	231	96.3	2	0.8	7	2.9
Single	600	100.0	456	76.0	5	0.8	139	23.2
Other	136	100.0	120	88.2	0	0.0	16	11.8
Married	71	100.0	69	97.2	0	0.0	2	2.8
Single	65	100.0	51	78.5	0	0.0	14	21.5
<b>New Castle</b>								
All Races	7,759	100.0	6,430	82.9	26	0.3	1,303	16.8
Married	3,789	100.0	3,617	95.5	10	0.3	162	4.3
Single	3,970	100.0	2,813	70.9	16	0.4	1,141	28.7
White	4,373	100.0	3,821	87.4	7	0.2	545	12.5
Married	2,516	100.0	2,441	97.0	5	0.2	70	2.8
Single	1,857	100.0	1,380	74.3	2	0.1	475	25.6
Black	2,597	100.0	1,903	73.3	16	0.6	678	26.1
Married	645	100.0	580	89.9	2	0.3	63	9.8
Single	1,952	100.0	1,323	67.8	14	0.7	615	31.5
Other	759	100.0	676	89.1	3	0.4	80	10.5
Married	609	100.0	577	94.7	3	0.5	29	4.8
Single	150	100.0	99	66.0	0	0.0	51	34.0
<b>Sussex</b>								
All Races	2,570	100.0	2,290	89.1	10	0.4	270	10.5
Married	1,161	100.0	1,132	97.5	1	0.1	28	2.4
Single	1,409	100.0	1,158	82.2	9	0.6	242	17.2
White	1,981	100.0	1,794	90.6	5	0.3	182	9.2
Married	983	100.0	961	97.8	0	0.0	22	2.2
Single	998	100.0	833	83.5	5	0.5	160	16.0
Black	500	100.0	424	84.8	4	0.8	72	14.4
Married	123	100.0	119	96.7	0	0.0	4	3.3
Single	377	100.0	305	80.9	4	1.1	68	18.0
Other	86	100.0	69	80.2	1	1.2	16	18.6
Married	54	100.0	51	94.4	1	1.9	2	3.7
Single	32	100.0	18	56.3	0	0.0	14	43.8

*Notes:*

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of pregnancies within each race-marital status category.
3. Percentages for the race category "Other" may be misleading due to the small number of pregnancies in this category.

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

**TABLE D-5. NUMBER OF REPORTED PREGNANCIES BY AGE OF WOMAN AND COUNTY, DELAWARE, 2006-2016**

**ALL RACES**

Area/ Age	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Delaware</b>	15,498	15,691	15,400	14,971	14,906	14,437	14,267	13,421	13,461	13,577	12,908
<15	54	37	47	33	34	32	28	18	18	17	16
15-19	1,879	1,900	1,846	1,574	1,574	1,378	1,172	1,067	926	823	791
15-17	626	640	607	488	504	427	348	304	273	241	217
18-19	1,253	1,260	1,239	1,086	1,070	951	824	763	653	582	574
20-24	4,275	4,337	4,141	4,028	3,908	3,702	3,703	3,290	3,156	3,059	2,651
25-29	4,100	4,172	4,327	4,172	4,187	4,118	3,990	3,797	3,924	3,966	3,855
30-34	3,169	3,236	3,035	3,134	3,211	3,279	3,427	3,424	3,508	3,623	3,548
35-39	1,662	1,616	1,647	1,558	1,581	1,536	1,564	1,451	1,525	1,720	1,681
40+	359	393	357	472	411	392	383	374	404	369	366
<b>Kent</b>	2,822	2,877	2,925	2,901	2,815	2,689	2,752	2,672	2,683	2,682	2,579
<15	5	5	5	5	4	3	2	2	3	3	3
15-19	347	378	356	291	304	267	235	201	169	150	187
15-17	92	108	111	86	98	73	60	53	44	43	47
18-19	255	270	245	205	206	194	175	148	125	107	140
20-24	900	915	899	971	852	773	808	778	754	731	612
25-29	765	837	823	825	827	831	783	785	844	847	859
30-34	511	474	511	528	529	551	597	611	631	612	595
35-39	240	211	277	203	227	217	262	228	231	288	257
40+	54	57	54	78	72	47	65	67	51	51	66
<b>New Castle</b>	9,812	9,773	9,382	9,233	9,360	9,143	8,781	8,225	8,153	8,236	7,759
<15	40	21	33	21	24	21	22	14	11	8	8
15-19	1,136	1,114	1,061	945	971	846	682	626	540	476	432
15-17	423	407	362	290	314	272	215	187	172	140	120
18-19	713	707	699	655	657	574	467	439	368	336	312
20-24	2,464	2,405	2,251	2,209	2,254	2,147	2,082	1,861	1,729	1,681	1,427
25-29	2,557	2,535	2,639	2,543	2,573	2,527	2,445	2,251	2,285	2,316	2,221
30-34	2,178	2,259	2,058	2,103	2,150	2,244	2,275	2,236	2,273	2,375	2,299
35-39	1,183	1,150	1,092	1,090	1,107	1,075	1,033	987	1,026	1,113	1,135
40+	254	289	248	322	281	283	242	250	289	267	237
<b>Sussex</b>	2,864	3,041	3,093	2,837	2,731	2,605	2,734	2,524	2,625	2,659	2,570
<15	9	11	9	7	6	8	4	2	4	6	5
15-19	396	408	429	338	299	265	255	240	217	197	172
15-17	111	125	134	112	92	82	73	64	57	58	50
18-19	285	283	295	226	207	183	182	176	160	139	122
20-24	911	1,017	991	848	802	782	813	651	673	647	612
25-29	778	800	865	804	787	760	762	761	795	803	775
30-34	480	503	466	503	532	484	555	577	604	636	654
35-39	239	255	278	265	247	244	269	236	268	319	289
40+	51	47	55	72	58	62	76	57	64	51	63

*Note:*

Reported pregnancies include live births, fetal deaths, and induced terminations of pregnancy.

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

**TABLE D-6. NUMBER OF REPORTED PREGNANCIES BY AGE OF WOMAN AND COUNTY, DELAWARE, 2006-2016**

**WHITE**

Area/ Age	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Delaware</b>	10,080	9,986	9,866	9,342	9,244	9,092	8,899	8,299	8,391	8,421	7,953
<15	20	13	20	15	9	8	11	7	4	6	9
15-19	1,041	1,020	1,018	829	808	740	630	524	478	432	411
15-17	322	312	326	250	261	230	168	155	129	114	101
18-19	719	708	692	579	547	510	462	369	349	318	310
20-24	2,572	2,589	2,458	2,359	2,222	2,105	2,092	1,834	1,790	1,712	1,453
25-29	2,773	2,741	2,816	2,688	2,712	2,689	2,531	2,413	2,523	2,481	2,419
30-34	2,261	2,237	2,153	2,118	2,170	2,279	2,358	2,320	2,349	2,426	2,379
35-39	1,170	1,129	1,169	1,035	1,047	1,013	1,031	956	989	1,122	1,056
40+	243	257	232	298	276	258	246	245	258	242	226
<b>Kent</b>	1,879	1,883	1,887	1,842	1,779	1,750	1,775	1,676	1,711	1,683	1,599
<15	3	2	2	4	1	1	2	1	1	-	2
15-19	187	224	194	148	155	150	113	90	90	77	89
15-17	43	55	53	41	50	42	28	23	19	19	23
18-19	144	169	141	107	105	108	85	67	71	58	66
20-24	565	548	540	593	509	450	476	450	440	413	347
25-29	544	587	556	555	566	593	532	526	580	545	571
30-34	366	329	367	353	357	399	432	420	432	431	406
35-39	175	153	192	142	150	130	177	146	137	184	147
40+	39	40	36	47	41	27	43	43	31	33	37
<b>New Castle</b>	6,070	5,947	5,543	5,330	5,363	5,337	5,001	4,702	4,673	4,646	4,373
<15	13	7	12	9	7	4	6	5	2	2	3
15-19	595	570	514	457	439	403	328	273	234	215	206
15-17	208	197	182	130	148	135	92	90	72	55	47
18-19	387	373	332	327	291	268	236	183	162	160	159
20-24	1,360	1,347	1,189	1,145	1,154	1,109	1,010	931	892	830	678
25-29	1,641	1,555	1,564	1,504	1,517	1,488	1,390	1,288	1,313	1,293	1,232
30-34	1,494	1,509	1,380	1,342	1,357	1,478	1,477	1,415	1,424	1,465	1,436
35-39	802	778	733	681	700	673	638	640	633	677	674
40+	165	181	151	192	189	182	152	150	175	164	144
<b>Sussex</b>	2,131	2,156	2,436	2,170	2,102	2,005	2,123	1,921	2,007	2,092	1,981
<15	4	4	6	2	1	3	3	1	1	4	4
15-19	259	226	310	224	214	187	189	161	154	140	116
15-17	71	60	91	79	63	53	48	42	38	40	31
18-19	188	166	219	145	151	134	141	119	116	100	85
20-24	647	694	729	621	559	546	606	453	458	469	428
25-29	588	599	696	629	629	608	609	599	630	643	616
30-34	401	399	406	423	456	402	449	485	493	530	537
35-39	193	198	244	212	197	210	216	170	219	261	235
40+	39	36	45	59	46	49	51	52	52	45	45

Note:  
Reported pregnancies include live births, fetal deaths, and induced terminations of pregnancy.

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

**TABLE D-7. NUMBER OF REPORTED PREGNANCIES BY AGE OF WOMAN AND COUNTY, DELAWARE, 2006-2016**

**BLACK**

Area/ Age	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Delaware</b>	4,522	4,738	4,727	4,802	4,858	4,622	4,550	4,317	4,106	4,171	3,937
<15	32	22	27	18	24	24	17	9	12	10	6
15-19	786	805	790	718	734	616	512	509	411	344	345
15-17	286	309	272	232	234	193	175	140	135	112	102
18-19	500	496	518	486	500	423	337	369	276	232	243
20-24	1,525	1,564	1,542	1,532	1,580	1,515	1,508	1,344	1,231	1,227	1,059
25-29	1,044	1,132	1,229	1,237	1,213	1,182	1,199	1,130	1,111	1,197	1,142
30-34	677	722	670	758	775	769	818	835	837	849	832
35-39	371	385	361	409	417	404	392	387	397	449	447
40+	87	108	108	130	115	112	104	103	107	95	106
<b>Kent</b>	840	913	947	947	932	863	873	884	848	882	840
<15	2	3	3	1	3	2	-	-	1	3	1
15-19	154	145	152	133	145	112	119	99	68	63	86
15-17	48	51	54	42	47	30	32	26	20	22	19
18-19	106	94	98	91	98	82	87	73	48	41	67
20-24	313	345	333	345	321	302	305	303	285	295	236
25-29	186	229	244	246	222	220	224	231	237	265	251
30-34	119	123	130	143	145	130	140	159	165	151	152
35-39	54	52	69	55	65	80	72	71	74	89	94
40+	12	16	16	24	31	17	13	21	18	16	20
<b>New Castle</b>	3,160	3,219	3,206	3,267	3,362	3,212	3,138	2,902	2,721	2,801	2,597
<15	26	14	21	12	16	17	16	8	8	5	4
15-19	519	524	525	474	507	430	333	336	283	235	210
15-17	203	206	177	158	159	135	119	95	97	75	66
18-19	316	318	348	316	348	295	214	241	186	160	144
20-24	1,019	991	971	980	1,029	991	1,008	858	756	771	660
25-29	733	774	846	845	854	827	841	758	733	793	754
30-34	510	539	490	552	569	569	588	599	579	609	585
35-39	286	295	270	310	312	295	282	263	281	314	312
40+	67	82	83	94	75	83	70	80	81	74	72
<b>Sussex</b>	522	606	574	588	564	547	539	531	537	488	500
<15	4	5	3	5	5	5	1	1	3	2	1
15-19	113	136	113	111	82	74	60	74	60	46	49
15-17	35	52	41	32	28	28	24	19	18	15	17
18-19	78	84	72	79	54	46	36	55	42	31	32
20-24	193	228	238	207	230	222	195	183	190	161	163
25-29	125	129	139	146	137	135	134	141	141	139	137
30-34	48	60	50	63	61	70	90	77	93	89	95
35-39	31	38	22	44	40	29	38	53	42	46	41
40+	8	10	9	12	9	12	21	2	8	5	14

Note:  
Reported pregnancies include live births, fetal deaths, and induced terminations of pregnancy.

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

**TABLE D-8. FIVE-YEAR AVERAGE RATE OF REPORTED PREGNANCIES BY AGE OF WOMAN AND COUNTY, DELAWARE 2004-2016**

**ALL RACES**

Area/ Age	2004- 2008	2005- 2009	2006- 2010	2007- 2011	2008- 2012	2009- 2013	2010- 2014	2011- 2015	2012- 2016
<b>Delaware</b>	86.2	86.4	86.6	85.5	84.1	82.1	80.4	79.0	77.1
<15	1.5	1.5	1.5	1.3	1.3	1.0	0.9	0.8	0.7
15-19	64.3	61.5	59.6	56.2	51.5	46.7	42.7	37.7	33.7
15-17	35.9	33.6	32.5	30.4	27.4	24.3	21.9	18.9	16.3
18-19	107.9	104.0	100.2	94.0	86.3	78.9	72.6	65.1	59.3
20-24	146.1	146.9	146.3	140.6	134.0	126.4	119.1	112.4	105.4
25-29	139.1	137.8	137.2	137.8	138.8	137.3	136.9	136.0	132.8
30-34	118.8	119.4	120.2	117.3	113.8	112.2	111.5	111.6	113.6
35-39	53.5	54.2	54.8	55.3	56.6	56.5	56.8	57.9	57.3
40+	5.5	5.8	5.9	6.1	6.1	6.3	6.2	6.2	6.2
<b>Kent</b>	85.9	86.9	86.0	84.5	83.3	81.4	79.8	78.5	77.5
<15	1.2	1.0	0.9	0.8	0.7	0.6	0.5	0.5	0.5
15-19	63.3	60.9	58.7	56.0	51.1	45.9	41.8	36.4	33.4
15-17	31.4	29.7	29.3	28.2	25.4	22.1	19.6	16.3	14.6
18-19	110.4	106.3	101.4	96.3	88.3	80.5	74.1	66.0	61.6
20-24	161.7	162.2	156.8	149.6	144.2	139.6	132.6	129.1	124.9
25-29	143.1	142.6	139.5	139.2	136.8	135.1	135.2	135.3	134.8
30-34	100.6	103.3	103.9	101.1	100.5	99.5	99.1	98.3	98.9
35-39	44.1	44.2	44.4	43.7	46.1	44.6	45.5	47.4	47.3
40+	4.6	5.0	5.2	5.1	5.3	5.5	5.2	4.9	5.3
<b>New Castle</b>	84.3	84.1	84.5	83.8	82.6	81.0	79.4	77.8	75.4
<15	1.6	1.6	1.6	1.4	1.4	1.2	1.1	0.9	0.7
15-19	61.0	57.8	56.5	53.3	49.0	45.0	41.1	36.0	31.5
15-17	36.0	33.3	32.2	29.8	26.8	24.0	22.1	19.0	16.0
18-19	100.6	96.0	93.2	87.7	81.0	74.8	68.2	60.5	54.3
20-24	130.7	133.1	134.9	130.2	123.7	116.9	109.6	101.9	93.8
25-29	129.2	127.9	128.1	130.8	135.2	135.9	136.5	136.2	131.5
30-34	126.6	126.1	126.2	122.8	117.6	115.0	114.3	115.1	118.1
35-39	58.1	58.4	58.7	59.6	60.4	61.0	61.0	61.1	59.7
40+	6.2	6.4	6.7	6.9	6.7	6.8	6.8	6.8	6.7
<b>Sussex</b>	93.9	94.5	94.8	92.9	90.6	86.6	84.7	83.5	82.5
<15	1.7	1.7	1.7	1.6	1.3	1.0	0.9	0.9	0.7
15-19	76.7	75.1	71.7	66.7	60.8	53.5	49.1	45.1	41.3
15-17	40.7	38.7	36.8	34.9	31.8	27.3	23.8	21.6	19.4
18-19	129.9	128.6	123.5	114.2	103.0	91.4	86.1	79.8	73.7
20-24	183.5	176.3	171.5	164.3	156.5	143.6	136.1	129.9	123.6
25-29	179.6	175.9	173.8	164.1	154.2	144.5	140.0	135.9	134.5
30-34	107.8	111.0	114.9	114.2	114.5	116.1	115.5	113.9	114.6
35-39	45.6	48.4	50.5	51.7	53.5	52.7	53.7	57.7	59.3
40+	4.1	4.4	4.3	4.5	5.0	5.2	5.1	5.2	5.3

*Notes:*

1. Reported pregnancies include live births, fetal deaths, and induced terminations of pregnancy.
2. For Delaware and counties, pregnancy rates represent the number of reported pregnancies to women of all ages per 1,000 women 15-44 years of age in the population.
3. For each age group, the denominator for the pregnancy rate is the total number women in the county/state within that age category except the "<15" and "40+" age categories which are based on women ages 10-14 and 40-49, respectively.

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

**TABLE D-9. FIVE-YEAR AVERAGE RATE OF REPORTED PREGNANCIES BY AGE OF WOMAN AND COUNTY, DELAWARE 2004-2016**

**WHITE**

Area/ Age	2004- 2008	2005- 2009	2006- 2010	2007- 2011	2008- 2012	2009- 2013	2010- 2014	2011- 2015	2012- 2016
<b>Delaware</b>	81.0	81.1	80.9	80.1	79.0	77.1	76.0	75.2	73.5
<15	0.9	0.9	0.9	0.7	0.7	0.6	0.4	0.4	0.4
15-19	52.9	50.7	48.7	45.9	42.4	37.9	34.8	31.3	27.9
15-17	28.0	26.3	25.4	24.1	22.0	19.4	17.6	15.1	12.7
18-19	90.9	87.6	83.5	77.8	71.7	64.2	59.3	54.2	50.0
20-24	130.1	131.3	129.5	124.3	118.1	110.8	104.3	98.8	92.4
25-29	134.2	132.7	132.0	132.9	134.4	133.5	134.1	133.4	130.0
30-34	123.9	123.7	123.9	120.7	117.1	114.4	113.7	114.0	115.9
35-39	54.8	54.9	54.8	55.1	56.3	55.8	56.2	57.5	56.3
40+	5.1	5.3	5.4	5.5	5.6	5.8	5.8	5.8	5.8
<b>Kent</b>	83.7	84.7	83.5	82.5	81.8	80.1	78.9	78.0	76.4
<15	0.8	0.7	0.7	0.6	0.6	0.5	0.3	0.3	0.3
15-19	51.5	49.4	47.2	45.7	40.3	35.4	32.6	28.7	25.4
15-17	23.2	21.8	21.3	21.4	19.2	16.8	15.0	12.2	10.4
18-19	92.9	89.4	84.7	80.8	70.8	61.9	57.7	52.3	47.6
20-24	151.4	148.3	140.1	132.3	128.1	123.8	117.1	113.2	109.1
25-29	165.2	166.1	163.3	159.9	151.5	145.1	142.6	138.0	135.1
30-34	108.4	111.4	112.6	114.1	118.6	119.0	119.7	119.1	115.3
35-39	44.7	45.1	44.6	43.0	45.7	44.3	45.0	48.1	49.0
40+	4.4	4.6	4.7	4.4	4.6	4.8	4.5	4.5	4.9
<b>New Castle</b>	76.9	76.5	76.1	75.3	73.9	72.6	71.6	70.6	68.4
<15	1.0	1.0	0.9	0.7	0.7	0.6	0.4	0.3	0.3
15-19	48.3	45.9	44.0	41.0	37.5	34.0	30.8	27.3	24.0
15-17	27.3	25.4	24.6	22.9	20.4	18.2	16.9	14.3	11.5
18-19	81.2	77.8	73.5	67.6	62.0	56.5	50.4	45.7	42.1
20-24	109.3	112.9	113.4	109.5	101.9	95.9	90.3	83.9	76.5
25-29	114.1	112.1	111.6	114.4	119.8	122.9	125.6	127.3	122.6
30-34	130.4	128.0	126.2	120.6	113.4	108.9	108.0	108.9	112.7
35-39	60.0	59.4	58.9	59.3	59.5	59.9	59.7	59.0	56.3
40+	5.8	5.8	6.1	6.3	6.3	6.4	6.5	6.5	6.4
<b>Sussex</b>	91.8	92.5	93.3	92.4	92.3	88.0	86.5	86.3	85.7
<15	1.0	1.1	0.9	0.9	0.8	0.5	0.5	0.6	0.6
15-19	68.2	66.5	64.4	60.9	59.3	51.8	48.7	45.1	41.4
15-17	34.8	33.7	31.9	30.4	29.8	25.7	22.2	20.3	18.3
18-19	117.0	114.5	112.4	106.2	102.0	89.4	87.0	81.0	75.3
20-24	175.1	168.0	163.1	156.4	152.4	139.2	130.9	126.8	121.5
25-29	190.2	185.8	183.4	174.3	165.1	153.4	148.8	144.5	143.4
30-34	116.7	121.2	126.7	127.2	129.1	130.8	129.6	127.2	127.1
35-39	47.1	49.7	51.3	53.5	56.2	53.9	55.9	61.4	63.0
40+	3.9	4.2	4.1	4.4	4.7	5.0	5.0	5.1	5.2

*Notes:*

1. Reported pregnancies include live births, fetal deaths, and induced terminations of pregnancy.
2. For Delaware and counties, pregnancy rates represent the number of reported pregnancies to women of all ages per 1,000 women 15-44 years of age in the population.
3. For each age group, the denominator for the pregnancy rate is the total number women in the county/state within that age category except the "<15" and "40+" age categories which are based on women ages 10-14 and 40-49, respectively.
4. Comparisons using rates for the "<15" and "40+" age categories may be misleading due to the small number of events in these categories.

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

**TABLE D-10. FIVE-YEAR AVERAGE RATE OF REPORTED PREGNANCIES BY AGE OF WOMAN AND COUNTY, DELAWARE 2004-2016**

**BLACK**

Area/ Age	2004- 2008	2005- 2009	2006- 2010	2007- 2011	2008- 2012	2009- 2013	2010- 2014	2011- 2015	2012- 2016
<b>Delaware</b>	104.3	105.1	106.7	106.1	104.5	102.2	98.7	95.2	91.8
<15	3.2	3.1	3.3	3.0	2.9	2.4	2.2	1.9	1.4
15-19	101.1	96.6	94.9	90.4	83.7	77.6	70.8	61.3	54.5
15-17	60.9	56.5	55.1	51.5	46.7	41.7	37.9	32.6	28.5
18-19	164.0	158.4	154.6	147.2	136.7	128.5	118.0	103.4	93.4
20-24	201.9	201.6	204.6	199.2	192.6	184.1	173.9	163.4	153.0
25-29	152.2	151.6	151.1	152.6	154.4	152.1	148.8	147.5	144.1
30-34	107.4	110.6	113.2	110.4	107.1	106.2	104.2	102.5	103.5
35-39	50.0	52.7	56.0	58.4	60.0	61.7	61.2	61.2	60.0
40+	6.4	6.9	7.3	7.6	7.5	7.5	7.2	7.1	7.1
<b>Kent</b>	99.3	101.2	101.5	99.3	96.4	93.6	90.3	87.8	86.3
<15	2.5	2.0	1.6	1.6	1.2	0.8	0.8	0.7	0.6
15-19	100.5	96.5	96.0	89.4	85.2	78.0	69.5	58.0	54.1
15-17	56.7	53.6	53.9	49.3	44.7	38.0	33.0	27.1	24.4
18-19	165.2	158.9	157.0	147.6	143.8	137.4	124.1	105.2	99.6
20-24	197.8	210.2	214.6	209.6	199.6	193.4	185.4	182.6	175.9
25-29	112.1	111.2	107.6	112.5	118.5	124.3	129.5	141.2	145.4
30-34	89.8	94.6	95.6	84.7	75.8	71.9	69.7	67.5	71.8
35-39	45.2	46.4	49.5	52.7	54.7	52.7	52.1	50.7	46.9
40+	5.4	6.4	7.5	7.7	7.5	7.9	7.5	6.4	6.7
<b>New Castle</b>	106.6	106.8	109.0	108.6	107.7	105.5	101.7	97.8	93.5
<15	3.3	3.3	3.5	3.2	3.2	2.7	2.5	2.1	1.6
15-19	100.3	94.7	93.6	89.7	83.6	77.7	71.7	62.0	53.9
15-17	61.8	56.8	55.0	51.2	46.8	42.6	39.1	33.8	29.2
18-19	162.5	154.6	152.0	146.2	136.0	127.1	117.8	103.0	90.8
20-24	202.7	199.3	203.0	195.8	189.9	181.0	168.6	156.2	144.2
25-29	170.2	171.0	172.2	172.8	173.1	167.0	160.2	154.5	148.0
30-34	117.5	120.9	124.5	124.7	123.7	124.6	122.7	121.0	119.9
35-39	53.7	56.2	59.0	61.3	62.8	64.7	64.5	65.3	65.1
40+	6.9	7.3	7.6	7.9	7.6	7.6	7.4	7.4	7.4
<b>Sussex</b>	100.1	101.7	102.7	103.5	101.0	99.4	97.3	94.3	92.2
<15	3.8	3.5	4.4	4.6	3.8	3.4	3.0	2.4	1.6
15-19	105.2	106.1	100.2	94.9	82.3	76.5	68.3	62.8	58.3
15-17	62.2	58.6	57.1	56.1	48.8	42.9	39.0	35.2	31.7
18-19	168.7	175.2	163.5	151.7	130.0	123.3	109.7	102.6	97.2
20-24	204.4	199.3	197.6	200.1	195.2	185.2	183.0	171.9	164.3
25-29	144.9	142.0	142.6	138.6	133.8	131.0	127.3	124.9	123.5
30-34	74.6	77.2	79.4	81.5	84.7	86.5	88.1	88.8	90.1
35-39	34.2	40.1	46.5	48.5	50.3	59.4	58.1	58.4	58.8
40+	5.0	5.2	5.0	5.6	6.9	6.4	6.1	5.9	6.3

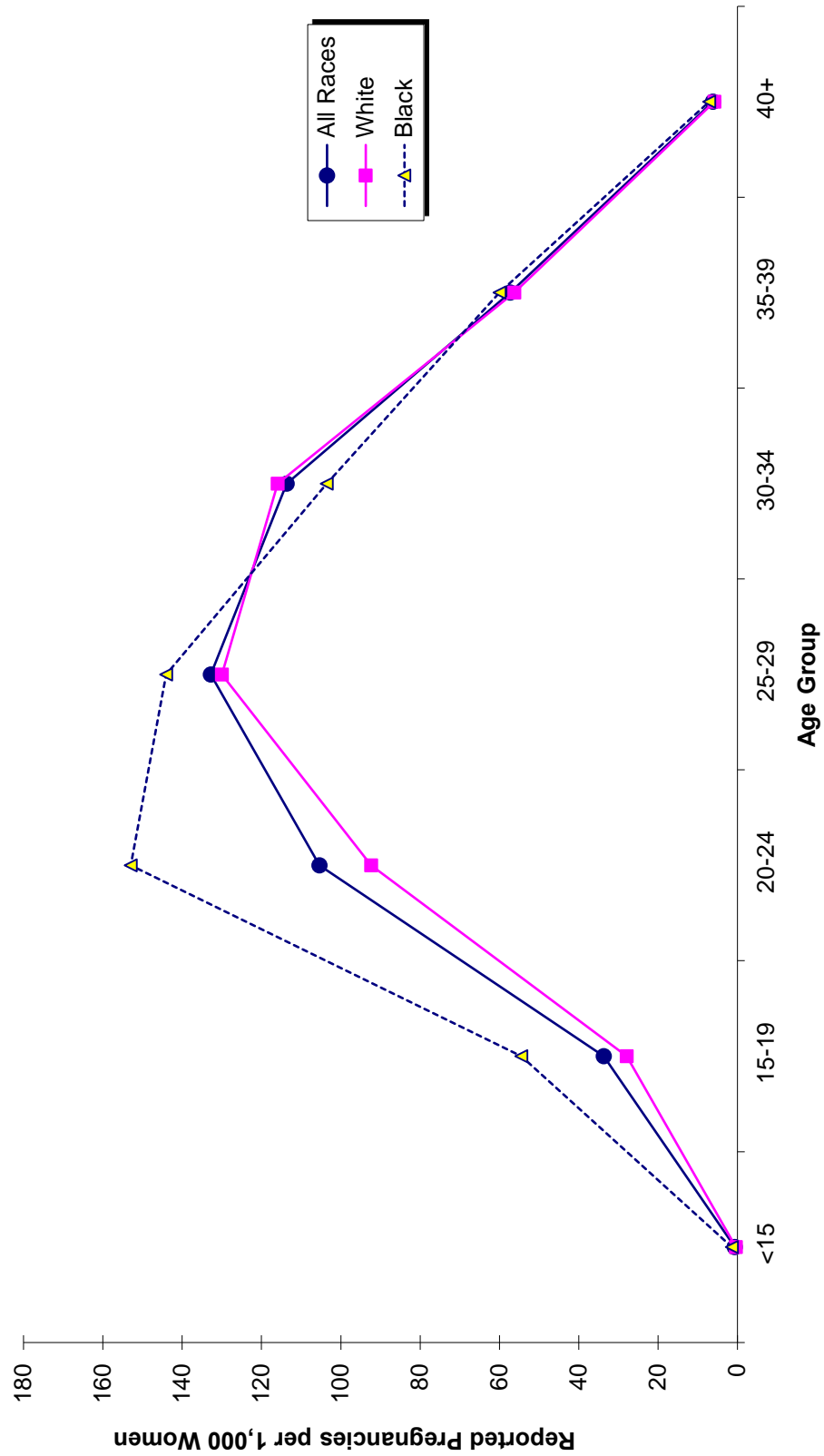
*Notes:*

1. Reported pregnancies include live births, fetal deaths, and induced terminations of pregnancy.
2. For Delaware and counties, pregnancy rates represent the number of reported pregnancies to women of all ages per 1,000 women 15-44 years of age in the population.
3. For each age group, the denominator for the pregnancy rate is the total number women in the county/state within that age category except the "<15" and "40+" age categories which are based on women ages 10-14 and 40-49, respectively.
4. Comparisons using rates for the "<15" and "40+" age categories may be misleading due to the small number of events in these categories.

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

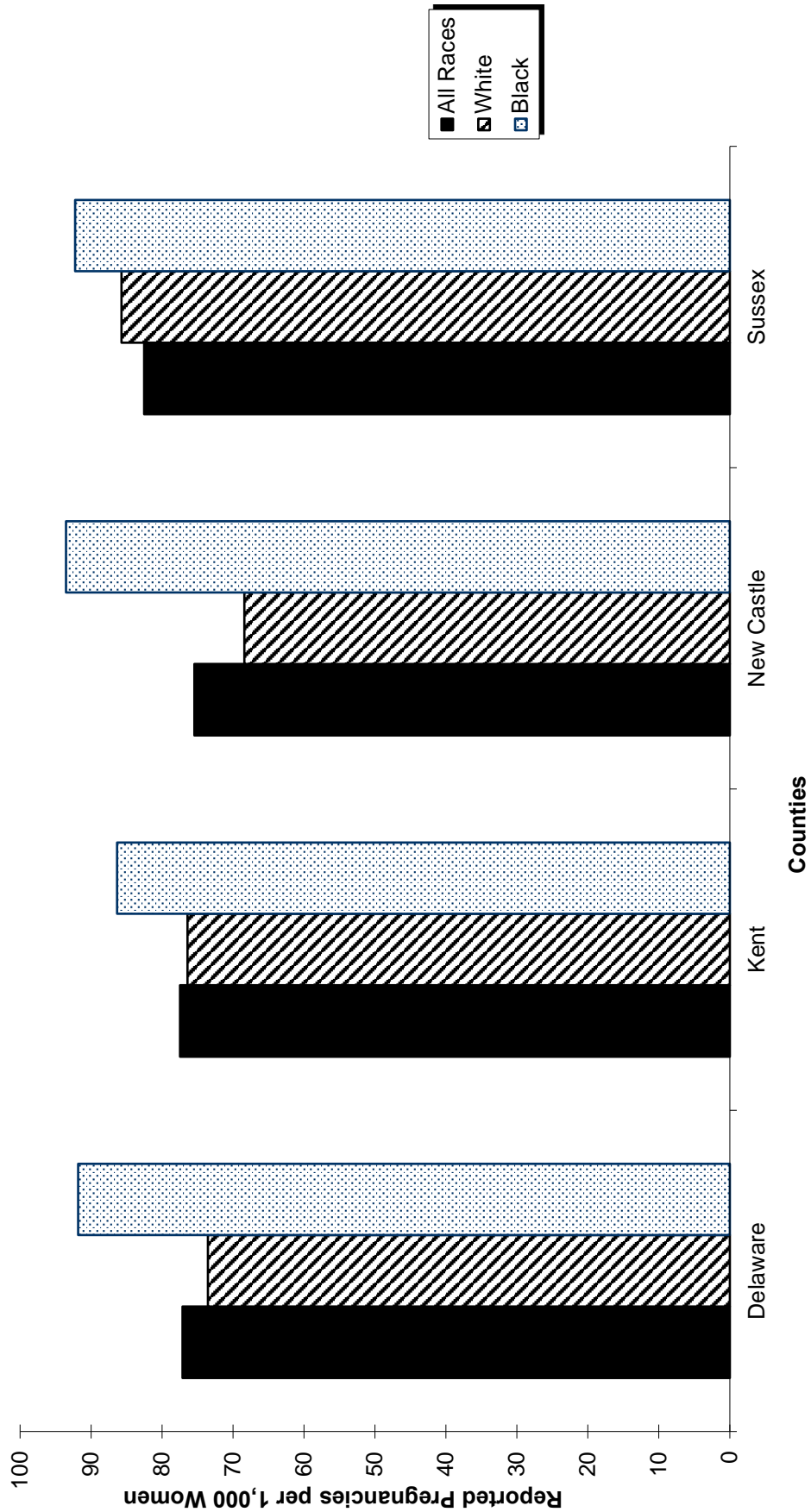


**Figure D-1. Five-year Average Rate of Reported Pregnancies by Age and Race, Delaware, 2012-2016**



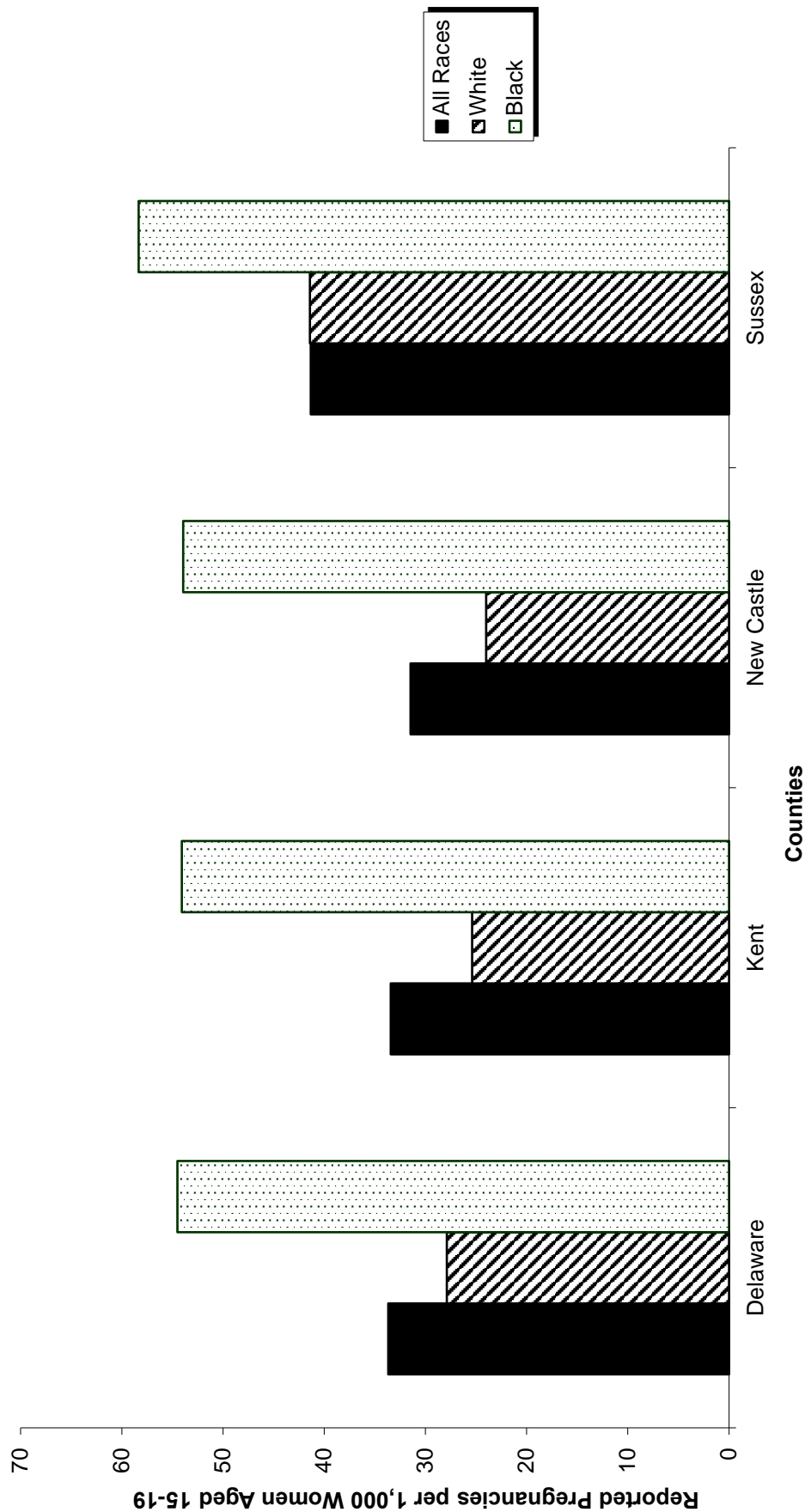
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure D-2. Five-year Average Rate of Reported Pregnancies by County and Race, Delaware, 2012-2016**



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

**Figure D-3. Five-year Average Teenage (15-19) Pregnancy Rate by County and Race, Delaware, 2012-2016**

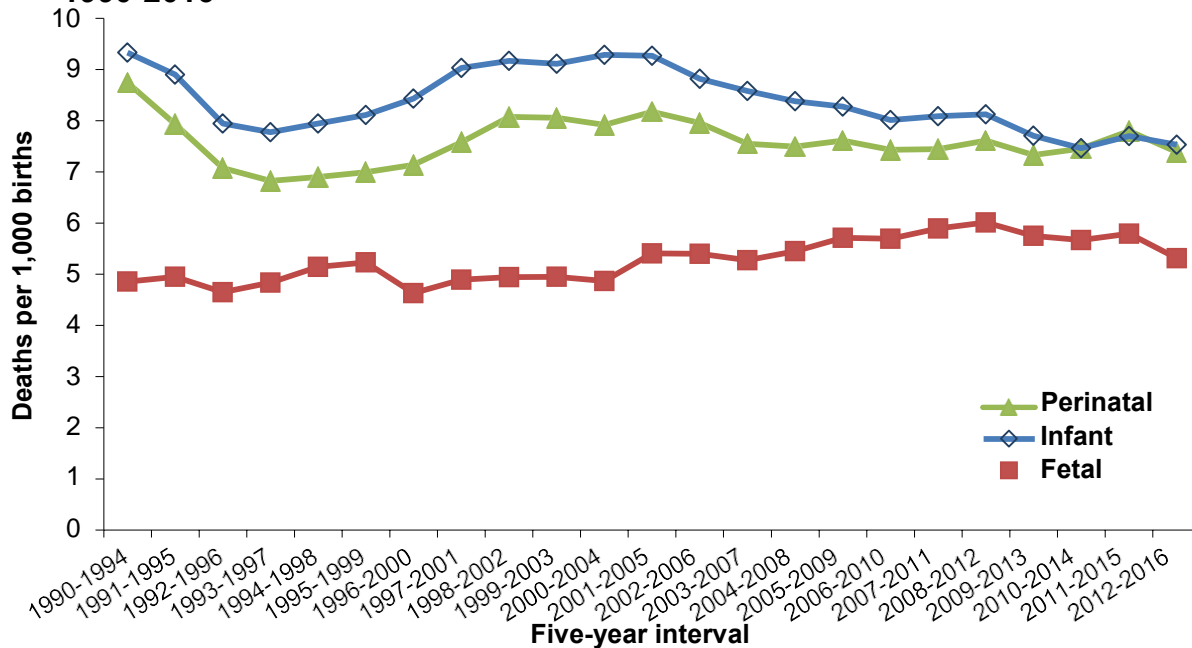


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## FETAL AND PERINATAL DEATHS

Perinatal mortality refers to deaths occurring in the period around delivery, and includes late fetal deaths (>28 weeks gestation) and early infant deaths (<7 days of age). Perinatal mortality trends paralleled those of infant mortality, decreasing from 1990-1994 to their lowest level in 1993-1997, and then increasing through 2001-2005 (9.3 infant deaths per 1,000 live births and 8.2 perinatal deaths per 1,000 live births), after which they began a gradual decrease and closed the gap between the rates through 2009-2013. The infant and perinatal mortality rates remained nearly equal in the 2012-2016 time period (7.5 infant deaths per 1,000 live births and 7.4 perinatal deaths per 1,000 live births).

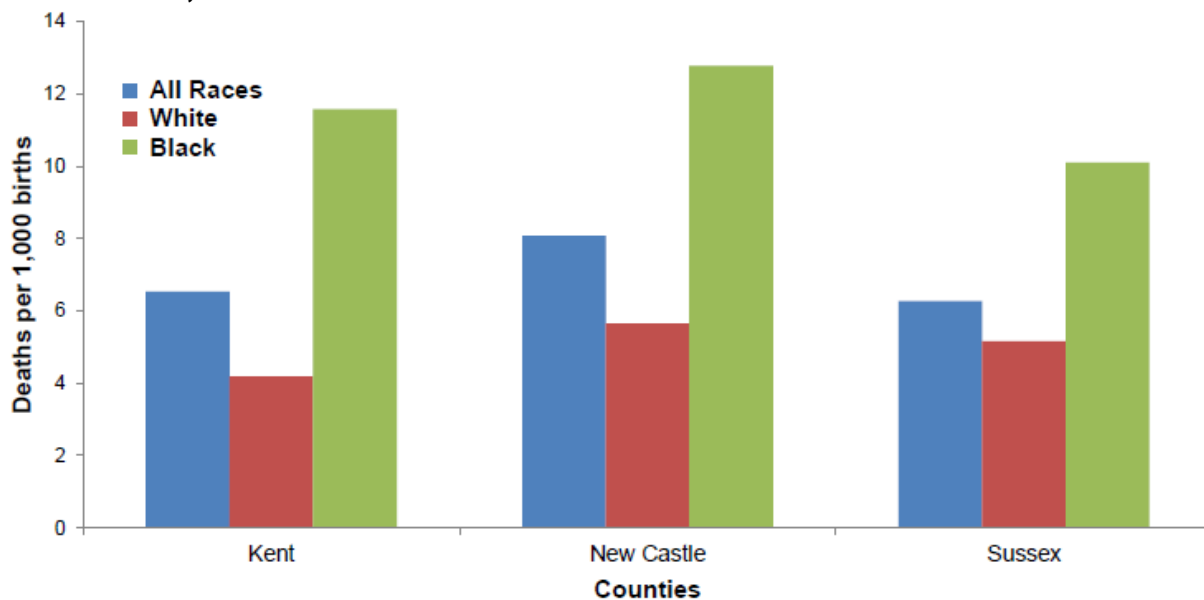
**Figure 24. Five-year Fetal, Perinatal, and Infant Mortality Rates, Delaware, 1990-2016**



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

Like infant mortality rates for 2012-2016, black perinatal mortality rates for 2012-2016 were substantially higher than white perinatal mortality rates, regardless of county. In New Castle County, the black perinatal mortality rate of 12.8 perinatal deaths per 1,000 live births was more than double the white perinatal mortality rate of 5.7 perinatal deaths per 1,000 live births.

**Figure 25. Five-year Average Perinatal Mortality Rates by Race and County, Delaware, 2012-2016**

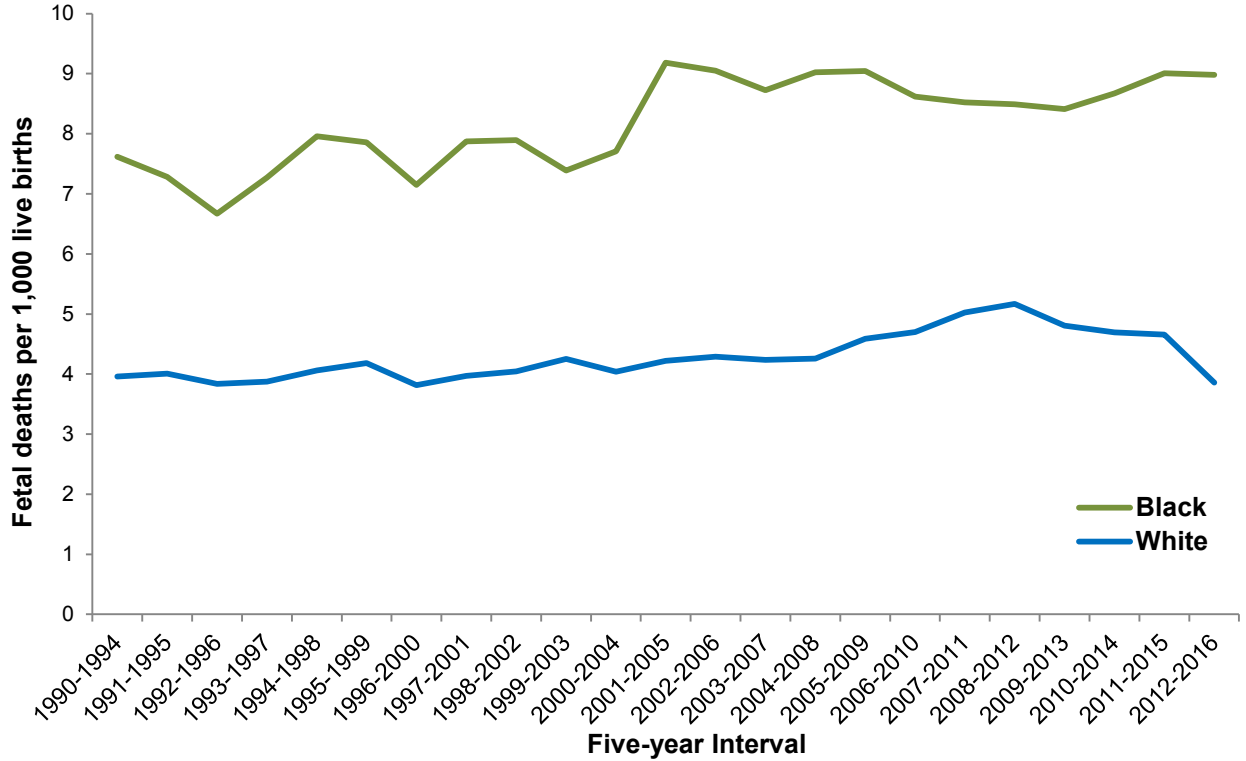


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## FETAL AND PERINATAL DEATHS

In 2016, there were 48 reported fetal deaths in Delaware. In 2012-2016, the fetal mortality rate was 5.3 fetal deaths per 1,000 live births. Fetal mortality rates for black women have been consistently higher than the rates for white women, and in 2012-2016 they were 58 percent higher than the rate of white women (9.0 versus 3.8).

**Figure 26. Five-year Average Fetal Mortality Rates by Mother's Race  
Delaware, 1990-2016**



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

**TABLE D-11. NUMBER OF FETAL DEATHS BY RACE, HISPANIC ORIGIN, AGE OF WOMAN, AND COUNTY, DELAWARE, 2016**

Area/ Age	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Delaware</b>	48	17	27	4	3
<20	5	2	3	0	1
20-24	10	4	5	1	2
25-34	25	9	14	2	0
35+	8	2	5	1	0
Unknown	0	0	0	0	0
<b>Kent</b>	12	5	7	0	1
<20	1	0	1	0	1
20-24	2	2	0	0	0
25-34	7	3	4	0	0
35+	2	0	2	0	0
Unknown	0	0	0	0	0
<b>New Castle</b>	26	7	16	3	0
<20	1	0	1	0	0
20-24	6	1	5	0	0
25-34	15	5	8	2	0
35+	4	1	2	1	0
Unknown	0	0	0	0	0
<b>Sussex</b>	10	5	4	1	2
<20	3	2	1	0	0
20-24	2	1	0	1	2
25-34	3	1	2	0	0
35+	2	1	1	0	0
Unknown	0	0	0	0	0

*Notes:*

Fetal deaths are reportable events if the fetus weighs at least 350 grams, or if weight is unknown, has reached at least 20 weeks of gestation. For more details, see "Basic Definitions."

\*People of Hispanic origin may be of any race.

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

**TABLE D-12. NUMBER FETAL DEATHS BY RACE, HISPANIC ORIGIN, AND EDUCATION OF WOMAN, DELAWARE, 2016**

Education	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Total</b>	48	17	27	4	3
<9	1	0	0	1	1
9 to 11	4	2	2	0	0
H.S. Grad	16	4	12	0	0
1 to 3 College	14	7	6	1	2
4+ College	9	4	3	2	0
Unknown	4	0	4	0	0

**Notes:**

Fetal deaths are reportable events if the fetus weighs at least 350 grams, or if weight is unknown, has reached at least 20 weeks of gestation. For more details, see "Basic Definitions."

\*People of Hispanic origin may be of any race.

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

**TABLE D-13. NUMBER OF FETAL DEATHS BY RACE, HISPANIC ORIGIN, MARITAL STATUS OF WOMAN, AND COUNTY, DELAWARE, 2016**

Area/ Marital Status	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Delaware</b>	48	17	27	4	3
Married	16	8	4	4	1
Single	32	9	23	0	2
<b>Kent</b>	12	5	7	0	1
Married	5	3	2	0	0
Single	7	2	5	0	1
<b>New Castle</b>	26	7	16	3	0
Married	10	5	2	3	0
Single	16	2	14	0	0
<b>Sussex</b>	10	5	4	1	2
Married	1	0	0	1	1
Single	9	5	4	0	1

**Note:**

Fetal deaths are reportable events if the fetus weighs at least 350 grams, or if weight is unknown, has reached at least 20 weeks of gestation. For more details, see "Basic Definitions."

\*People of Hispanic origin may be of any race.

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

**TABLE D-14. NUMBER OF FETAL DEATHS BY WEIGHT OF FETUS  
IN GRAMS AND RACE OF WOMAN BY COUNTY, DELAWARE, 2016**

Area/ Weight	Race			
	All Races	White	Black	Other
<b>Delaware</b>	48	17	27	4
<500	10	4	5	1
500-749	7	2	4	1
750-999	6	2	4	0
1,000-1,499	5	2	3	0
1,500-1,999	3	1	2	0
2,000-2,499	5	1	4	0
2,500+	12	5	5	2
Unknown	0	0	0	0
<b>Kent</b>	12	5	7	0
<500	5	2	3	0
500-749	2	1	1	0
750-999	1	1	0	0
1,000-1,499	1	1	0	0
1,500-1,999	1	0	1	0
2,000-2,499	1	0	1	0
2,500+	1	0	1	0
Unknown	0	0	0	0
<b>New Castle</b>	26	7	16	3
<500	3	2	0	1
500-749	5	1	3	1
750-999	5	1	4	0
1,000-1,499	3	0	3	0
1,500-1,999	2	1	1	0
2,000-2,499	2	0	2	0
2,500+	6	2	3	1
Unknown	0	0	0	0
<b>Sussex</b>	10	5	4	1
<500	2	0	2	0
500-749	0	0	0	0
750-999	0	0	0	0
1,000-1,499	1	1	0	0
1,500-1,999	0	0	0	0
2,000-2,499	2	1	1	0
2,500+	5	3	1	1
Unknown	0	0	0	0

*Note:*

Fetal deaths are reportable events if the fetus weighs at least 350 grams, or if weight is unknown, has reached at least 20 weeks of gestation. For more details, see "Basic Definitions."

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



**TABLE D-15. NUMBER OF FETAL DEATHS BY WEEKS OF GESTATION AND RACE OF WOMAN BY COUNTY, DELAWARE, 2016**

Area/ Age	Race			
	All Races	White	Black	Other
<b>Delaware</b>	48	17	27	4
<20 Weeks	1	0	1	0
20-24 Weeks	14	6	6	2
25-29 Weeks	10	2	8	0
30-34 Weeks	8	4	4	0
35-39 Weeks	14	5	7	2
40+ Weeks	0	0	0	0
Unknown	1	0	1	0
<b>Kent</b>	12	5	7	0
<20 Weeks	1	0	1	0
20-24 Weeks	4	3	1	0
25-29 Weeks	3	1	2	0
30-34 Weeks	2	1	1	0
35-39 Weeks	2	0	2	0
40+ Weeks	0	0	0	0
Unknown	0	0	0	0
<b>New Castle</b>	26	7	16	3
<20 Weeks	0	0	0	0
20-24 Weeks	8	3	3	2
25-29 Weeks	7	1	6	0
30-34 Weeks	3	1	2	0
35-39 Weeks	7	2	4	1
40+ Weeks	0	0	0	0
Unknown	1	0	1	0
<b>Sussex</b>	10	5	4	1
<20 Weeks	0	0	0	0
20-24 Weeks	2	0	2	0
25-29 Weeks	0	0	0	0
30-34 Weeks	3	2	1	0
35-39 Weeks	5	3	1	1
40+ Weeks	0	0	0	0
Unknown	0	0	0	0

*Note:*

Fetal deaths are reportable events if the fetus weighs at least 350 grams, or if weight is unknown, has reached at least 20 weeks of gestation. For more details, see "Basic Definitions".

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

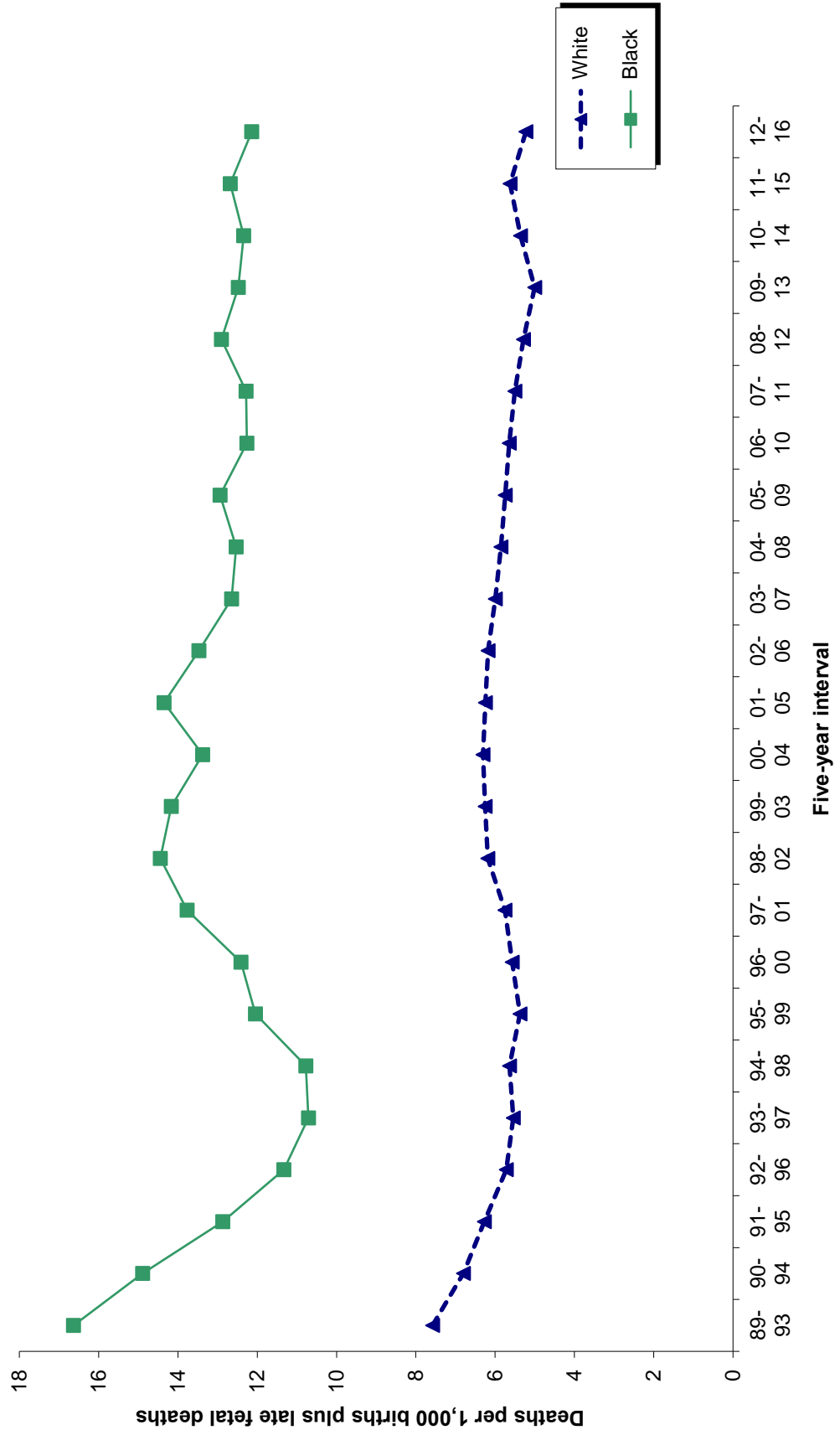
**TABLE D-16. FIVE-YEAR AVERAGE PERINATAL MORTALITY RATES BY RACE AND COUNTY, DELAWARE, 1998-2016**

Area/ Race	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>Delaware</b>															
All Races	8.1	8.1	7.9	8.2	8.0	7.5	7.5	7.6	7.4	7.4	7.6	7.3	7.5	7.8	7.4
White	6.2	6.3	6.3	6.2	6.2	6.0	5.9	5.7	5.6	5.5	5.3	5.0	5.4	5.6	5.2
Black	14.4	14.2	13.4	14.3	13.5	12.6	12.5	12.9	12.3	12.3	12.9	12.5	12.3	12.7	12.1
<b>Kent</b>															
All Races	8.9	8.7	8.2	8.7	8.0	5.8	6.0	6.3	5.9	6.2	7.1	6.3	6.1	6.7	6.5
White	8.1	7.8	7.3	6.9	5.9	3.6	3.8	3.7	4.4	4.8	5.1	4.5	4.9	4.6	4.2
Black	11.8	12.1	10.7	13.8	13.7	11.5	11.8	13.7	10.4	10.0	12.4	11.1	9.2	11.3	11.6
<b>New Castle</b>															
All Races	8.3	8.5	8.3	8.5	8.3	8.1	8.1	8.2	8.0	8.3	8.4	8.1	8.3	8.8	8.1
White	5.8	6.2	6.3	6.4	6.3	6.4	6.3	6.4	5.7	5.8	5.7	5.3	5.4	6.3	5.7
Black	16.3	15.9	14.9	15.0	14.1	13.4	13.2	12.7	13.1	13.7	13.6	13.4	14.2	14.0	12.8
<b>Sussex</b>															
All Races	6.4	5.9	6.2	6.6	6.9	7.3	7.0	7.0	7.3	6.1	5.9	6.1	6.3	5.9	6.3
White	5.5	5.1	5.3	5.2	6.1	6.9	6.4	5.7	6.5	5.4	4.5	4.7	5.6	5.1	5.2
Black	9.6	9.1	9.8	12.0	10.3	10.7	10.6	12.9	10.8	8.9	10.6	10.2	8.5	8.6	10.1

Note: Perinatal mortality rate defined as: Infant deaths of less than 7 days and fetal deaths with gestation of 28 weeks or more, per 1,000 live births and specified fetal deaths.

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

**Figure D-4. Five-year Average Perinatal Mortality Rates by Race, Delaware, 1989- 2016**



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

**TABLE D-17. NUMBER AND PERCENT OF INDUCED TERMINATIONS OF PREGNANCY BY SELECTED CHARACTERISTICS, DELAWARE, 2016**

Characteristic	Number	Percent	Characteristic	Number	Percent
<b>Total</b>	2,170	100.0%	<b>Marital Status</b>		
<b>Place of Residence</b>			Married	251	11.6%
Delaware	1,893	87.2%	Single	1,919	88.4%
Kent	320	14.7%	Unknown	0	0.0%
New Castle	1,303	60.0%	<b>Weeks of Gestation</b>		
Sussex	270	12.4%	<7 Weeks	551	25.4%
Maryland	142	6.5%	7 Weeks	425	19.6%
New Jersey	29	1.3%	8 Weeks	335	15.4%
Pennsylvania	91	4.2%	9-10 Weeks	463	21.3%
Other State	15	0.7%	11-12 Weeks	216	10.0%
<b>Age</b>			13-15 Weeks	162	7.5%
<15	2	0.1%	16-20 Weeks	14	0.6%
15-17	75	3.5%	21+ Weeks	3	0.1%
18-19	170	7.8%	Unknown	1	0.0%
20-24	625	28.8%	<b>Type of Procedure</b>		
25-29	599	27.6%	Suction Curettage	1,115	51.4%
30-34	401	18.5%	Medical (Nonsurgical)	1,049	48.3%
35-39	222	10.2%	Intrauterine Installation	0	0.0%
40+	76	3.5%	Other	0	0.0%
Unknown	0	0.0%	Unknown	6	0.3%
<b>Race</b>			<b>Previous Pregnancies</b>		
White	1,073	49.4%	None	591	27.2%
Black	969	44.7%	1	405	18.7%
American Indian	4	0.2%	2	381	17.6%
Asian and Pacific Islander	60	2.8%	3+	793	36.5%
Other Races	64	2.9%	Unknown	0	0.0%
Unknown	0	0.0%	<b>Previous Live Births</b>		
<b>Hispanic Origin</b>			None	825	38.0%
Yes	220	10.1%	1	583	26.9%
No	1,936	89.2%	2	419	19.3%
Unknown	14	0.6%	3+	343	15.8%
<b>Level of Education</b>			Unknown	0	0.0%
<9	61	2.8%	<b>Previous Induced Abortions</b>		
9-11	161	7.4%	None	1,265	58.3%
H.S. Graduate	1,176	54.2%	1	540	24.9%
1 to 3 College	395	18.2%	2	217	10.0%
4+ College	193	8.9%	3+	148	6.8%
Unknown	184	8.5%	Unknown	0	0.0%

*Notes:*

1. Suction Curettage includes Dilation and Evacuation.
2. Women of Hispanic origin may be of any race.
3. Percentages for each characteristic may not add to 100% due to rounding.
4. Percentages are based on the total number of induced terminations of pregnancy.

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

**TABLE D-18. NUMBER AND PERCENT OF INDUCED TERMINATIONS OF PREGNANCY, BY PLACE OF RESIDENCE, RACE, AND AGE OF WOMAN, DELAWARE, 2016**

Place of Residence/ Race	Age												Unknown					
	Total		<18		18-19		20-24		25-29		30-34		35+		Number		Percent	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Terminations</b>	2,170	100.0	77	3.5	170	7.8	625	28.8	599	27.6	401	18.5	298	13.7	0	0.0	0	0.0
White	1,073	100.0	38	3.5	90	8.4	304	28.3	287	26.7	200	18.6	154	14.4	0	0.0	0	0.0
Black	969	100.0	33	3.4	75	7.7	285	29.4	288	29.7	170	17.5	118	12.2	0	0.0	0	0.0
Other	128	100.0	6	4.7	5	3.9	36	28.1	24	18.8	31	24.2	26	20.3	0	0.0	0	0.0
<b>Delaware</b>	1,893	100.0	71	3.8	137	7.2	542	28.6	535	28.3	352	18.6	256	13.5	0	0.0	0	0.0
White	885	100.0	32	3.6	69	7.8	246	27.8	242	27.3	172	19.4	124	14.0	0	0.0	0	0.0
Black	896	100.0	33	3.7	65	7.3	261	29.1	273	30.5	154	17.2	110	12.3	0	0.0	0	0.0
Other	112	100.0	6	5.4	3	2.7	35	31.3	20	17.9	26	23.2	22	19.6	0	0.0	0	0.0
<b>Kent</b>	320	100.0	12	3.8	24	7.5	92	28.8	95	29.7	54	16.9	43	13.4	0	0.0	0	0.0
White	158	100.0	9	5.7	13	8.2	33	20.9	42	26.6	36	22.8	25	15.8	0	0.0	0	0.0
Black	146	100.0	2	1.4	10	6.8	54	37.0	50	34.2	16	11.0	14	9.6	0	0.0	0	0.0
Other	16	100.0	1	6.3	1	6.3	5	31.3	3	18.8	2	12.5	4	25.0	0	0.0	0	0.0
<b>New Castle</b>	1,303	100.0	47	3.6	94	7.2	371	28.5	360	27.6	251	19.3	180	13.8	0	0.0	0	0.0
White	545	100.0	15	2.8	44	8.1	164	30.1	141	25.9	106	19.4	75	13.8	0	0.0	0	0.0
Black	678	100.0	27	4.0	50	7.4	184	27.1	204	30.1	125	18.4	88	13.0	0	0.0	0	0.0
Other	80	100.0	5	6.3	0	0.0	23	28.8	15	18.8	20	25.0	17	21.3	0	0.0	0	0.0
<b>Sussex</b>	270	100.0	12	4.4	19	7.0	79	29.3	80	29.6	47	17.4	33	12.2	0	0.0	0	0.0
White	182	100.0	8	4.4	12	6.6	49	26.9	59	32.4	30	16.5	24	13.2	0	0.0	0	0.0
Black	72	100.0	4	5.6	5	6.9	23	31.9	19	26.4	13	18.1	8	11.1	0	0.0	0	0.0
Other	16	100.0	0	0.0	2	12.5	7	43.8	2	12.5	4	25.0	1	6.3	0	0.0	0	0.0
<b>Other State</b>	277	100.0	6	2.2	33	11.9	83	30.0	64	23.1	49	17.7	42	15.2	0	0.0	0	0.0
White	188	100.0	6	3.2	21	11.2	58	30.9	45	23.9	28	14.9	30	16.0	0	0.0	0	0.0
Black	73	100.0	0	0.0	10	13.7	24	32.9	15	20.5	16	21.9	8	11.0	0	0.0	0	0.0
Other	16	100.0	0	0.0	2	12.5	1	6.3	4	25.0	5	31.3	4	25.0	0	0.0	0	0.0

**Notes:**

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of induced terminations of pregnancy in each race category.
3. Percentages for the race category "Other" may be misleading due to the small number of induced terminations of pregnancy in this category.

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

**TABLE D-19. NUMBER OF INDUCED TERMINATIONS OF PREGNANCY BY PLACE OF RESIDENCE, WEEKS OF GESTATION, AND AGE OF WOMAN, DELAWARE, 2016**

Place of Residence/ Weeks	AGE						
	Total	<20	20-24	25-29	30-34	35-39	40+
<b>All Terminations</b>	2,170	247	625	599	401	222	76
<7 Weeks	551	57	147	152	103	62	30
7 Weeks	425	50	128	111	78	45	13
8 Weeks	335	31	103	89	58	43	11
9-10 Weeks	463	56	137	133	89	38	10
11-12 Weeks	216	31	71	57	31	19	7
13-15 Weeks	162	22	35	50	39	12	4
16-20 Weeks	14	0	3	4	3	3	1
21+ Weeks	3	0	1	2	0	0	0
Unknown	1	0	0	1	0	0	0
<b>Delaware</b>	1,893	208	542	535	352	194	62
<7 Weeks	450	43	117	131	82	54	23
7 Weeks	369	44	109	98	69	39	10
8 Weeks	286	24	91	78	47	37	9
9-10 Weeks	425	48	127	123	85	34	8
11-12 Weeks	202	29	65	54	30	17	7
13-15 Weeks	146	20	31	44	36	11	4
16-20 Weeks	11	0	1	4	3	2	1
21+ Weeks	3	0	1	2	0	0	0
Unknown	1	0	0	1	0	0	0
<b>Kent</b>	320	36	92	95	54	31	12
<7 Weeks	70	10	19	22	10	4	5
7 Weeks	67	11	18	21	10	5	2
8 Weeks	51	3	16	12	7	10	3
9-10 Weeks	73	5	23	23	13	8	1
11-12 Weeks	29	4	9	8	6	1	1
13-15 Weeks	29	3	7	8	8	3	0
16-20 Weeks	0	0	0	0	0	0	0
21+ Weeks	0	0	0	0	0	0	0
Unknown	1	0	0	1	0	0	0
<b>New Castle</b>	1,303	141	371	360	251	138	42
<7 Weeks	324	28	82	97	60	42	15
7 Weeks	246	25	74	66	47	28	6
8 Weeks	195	16	60	53	37	23	6
9-10 Weeks	283	37	88	75	57	20	6
11-12 Weeks	142	21	43	36	22	16	4
13-15 Weeks	102	14	22	28	26	8	4
16-20 Weeks	8	0	1	3	2	1	1
21+ Weeks	3	0	1	2	0	0	0
Unknown	0	0	0	0	0	0	0
<b>Sussex</b>	270	31	79	80	47	25	8
<7 Weeks	56	5	16	12	12	8	3
7 Weeks	56	8	17	11	12	6	2
8 Weeks	40	5	15	13	3	4	0
9-10 Weeks	69	6	16	25	15	6	1
11-12 Weeks	31	4	13	10	2	0	2
13-15 Weeks	15	3	2	8	2	0	0
16-20 Weeks	3	0	0	1	1	1	0
21+ Weeks	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0
<b>Other State</b>	277	39	83	64	49	28	14
<7 Weeks	101	14	30	21	21	8	7
7 Weeks	56	6	19	13	9	6	3
8 Weeks	49	7	12	11	11	6	2
9-10 Weeks	38	8	10	10	4	4	2
11-12 Weeks	14	2	6	3	1	2	0
13-15 Weeks	16	2	4	6	3	1	0
16-20 Weeks	3	0	2	0	0	1	0
21+ Weeks	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0

Note: Weeks of gestation are based on clinical estimate.

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

**TABLE D-20. NUMBER OF INDUCED TERMINATIONS OF PREGNANCY BY PLACE OF RESIDENCE, AGE OF WOMAN, AND NUMBER OF PREVIOUS PREGNANCIES, DELAWARE, 2016**

Place of Residence/ Age	Number of Previous Pregnancies					
	Total	None	1	2	3+	Not Stated
<b>All Terminations</b>	2,170	591	405	381	793	0
<20	247	198	35	12	2	0
20-24	625	242	165	108	110	0
25-29	599	98	118	129	254	0
30-34	401	34	57	66	244	0
35-39	222	15	24	47	136	0
40+	76	4	6	19	47	0
Unknown	0	0	0	0	0	0
<b>Delaware</b>	1,893	484	363	340	706	0
<20	208	162	33	11	2	0
20-24	542	196	150	98	98	0
25-29	535	82	109	117	227	0
30-34	352	29	48	58	217	0
35-39	194	12	20	40	122	0
40+	62	3	3	16	40	0
Unknown	0	0	0	0	0	0
<b>Kent</b>	320	86	69	54	111	0
<20	36	30	5	1	0	0
20-24	92	31	33	14	14	0
25-29	95	14	19	23	39	0
30-34	54	7	8	7	32	0
35-39	31	3	3	7	18	0
40+	12	1	1	2	8	0
Unknown	0	0	0	0	0	0
<b>New Castle</b>	1,303	332	235	233	503	0
<20	141	112	20	8	1	0
20-24	371	136	93	71	71	0
25-29	360	56	71	80	153	0
30-34	251	18	35	37	161	0
35-39	138	8	14	27	89	0
40+	42	2	2	10	28	0
Unknown	0	0	0	0	0	0
<b>Sussex</b>	270	66	59	53	92	0
<20	31	20	8	2	1	0
20-24	79	29	24	13	13	0
25-29	80	12	19	14	35	0
30-34	47	4	5	14	24	0
35-39	25	1	3	6	15	0
40+	8	0	0	4	4	0
Unknown	0	0	0	0	0	0
<b>Other State</b>	277	107	42	41	87	0
<20	39	36	2	1	0	0
20-24	83	46	15	10	12	0
25-29	64	16	9	12	27	0
30-34	49	5	9	8	27	0
35-39	28	3	4	7	14	0
40+	14	1	3	3	7	0
Unknown	0	0	0	0	0	0

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

**TABLE D-21. NUMBER OF INDUCED TERMINATIONS OF PREGNANCY BY PLACE OF RESIDENCE, AGE OF WOMAN, AND NUMBER OF PREVIOUS LIVE BIRTHS, DELAWARE, 2016**

Place of Residence/ Age	Number of Previous Live Births					Not Stated
	Total	None	1	2	3+	
<b>All Terminations</b>	2,170	825	583	419	343	0
<20	247	227	18	1	1	0
20-24	625	340	193	70	22	0
25-29	599	165	191	148	95	0
30-34	401	60	119	107	115	0
35-39	222	26	46	69	81	0
40+	76	7	16	24	29	0
Unknown	0	0	0	0	0	0
<b>Delaware</b>	1,893	688	529	372	304	0
<20	208	188	18	1	1	0
20-24	542	282	176	62	22	0
25-29	535	142	175	135	83	0
30-34	352	51	108	90	103	0
35-39	194	21	38	64	71	0
40+	62	4	14	20	24	0
Unknown	0	0	0	0	0	0
<b>Kent</b>	320	119	88	58	55	0
<20	36	34	2	0	0	0
20-24	92	49	29	11	3	0
25-29	95	20	30	27	18	0
30-34	54	11	18	11	14	0
35-39	31	4	5	8	14	0
40+	12	1	4	1	6	0
Unknown	0	0	0	0	0	0
<b>New Castle</b>	1,303	480	360	248	215	0
<20	141	128	12	1	0	0
20-24	371	194	115	45	17	0
25-29	360	105	123	77	55	0
30-34	251	35	77	63	76	0
35-39	138	15	25	48	50	0
40+	42	3	8	14	17	0
Unknown	0	0	0	0	0	0
<b>Sussex</b>	270	89	81	66	34	0
<20	31	26	4	0	1	0
20-24	79	39	32	6	2	0
25-29	80	17	22	31	10	0
30-34	47	5	13	16	13	0
35-39	25	2	8	8	7	0
40+	8	0	2	5	1	0
Unknown	0	0	0	0	0	0
<b>Other State</b>	277	137	54	47	39	0
<20	39	39	0	0	0	0
20-24	83	58	17	8	0	0
25-29	64	23	16	13	12	0
30-34	49	9	11	17	12	0
35-39	28	5	8	5	10	0
40+	14	3	2	4	5	0
Unknown	0	0	0	0	0	0

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



**TABLE D-22 NUMBER OF INDUCED TERMINATIONS OF PREGNANCY BY PLACE OF RESIDENCE, AGE OF WOMAN, AND NUMBER OF PREVIOUS INDUCED TERMINATIONS, DELAWARE, 2016**

Place of Residence/ Age	Number of Previous Induced Terminations					
	Total	None	1	2	3+	Not Stated
<b>All Terminations</b>	2,170	1265	540	217	148	0
<20	247	213	29	5	0	0
20-24	625	413	154	44	14	0
25-29	599	305	175	67	52	0
30-34	401	182	100	70	49	0
35-39	222	116	57	23	26	0
40+	76	36	25	8	7	0
Unknown		0	0	0	0	0
Delaware	1,893	1084	476	199	134	0
<20	<b>208</b>	<b>177</b>	<b>27</b>	<b>4</b>	<b>0</b>	<b>0</b>
<b>20-24</b>	542	354	137	39	12	0
25-29	535	272	154	61	48	0
30-34	352	156	85	67	44	0
35-39	194	97	51	22	24	0
40+	62	28	22	6	6	0
Unknown	0	0	0	0	0	0
Kent	320	196	81	27	16	0
<20	36	33	3	0	0	0
20-24	92	60	28	3	1	0
25-29	<b>95</b>	<b>53</b>	<b>27</b>	<b>10</b>	<b>5</b>	<b>0</b>
30-34	54	26	12	11	5	0
35-39	31	18	7	2	4	0
40+	12	6	4	1	1	0
Unknown	0	0	0	0	0	0
New Castle	1,303	714	329	150	110	0
<20	141	120	17	4	0	0
20-24	371	239	92	31	9	0
25-29	360	168	108	43	41	0
30-34	251	102	62	51	36	0
35-39	<b>138</b>	<b>65</b>	<b>36</b>	<b>17</b>	<b>20</b>	<b>0</b>
40+	42	20	14	4	4	0
Unknown	0	0	0	0	0	0
Sussex	270	174	66	22	8	0
<20	31	24	7	0	0	0
20-24	79	55	17	5	2	0
25-29	80	51	19	8	2	0
30-34	47	28	11	5	3	0
35-39	25	14	8	3	0	0
40+	8	2	4	1	1	0
Unknown	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Other State	277	181	64	18	14	0
<20	39	36	2	1	0	0
20-24	83	59	17	5	2	0
25-29	64	33	21	6	4	0
30-34	49	26	15	3	5	0
35-39	28	19	6	1	2	0
40+	14	8	3	2	1	0
Unknown	0	0	0	0	0	0

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

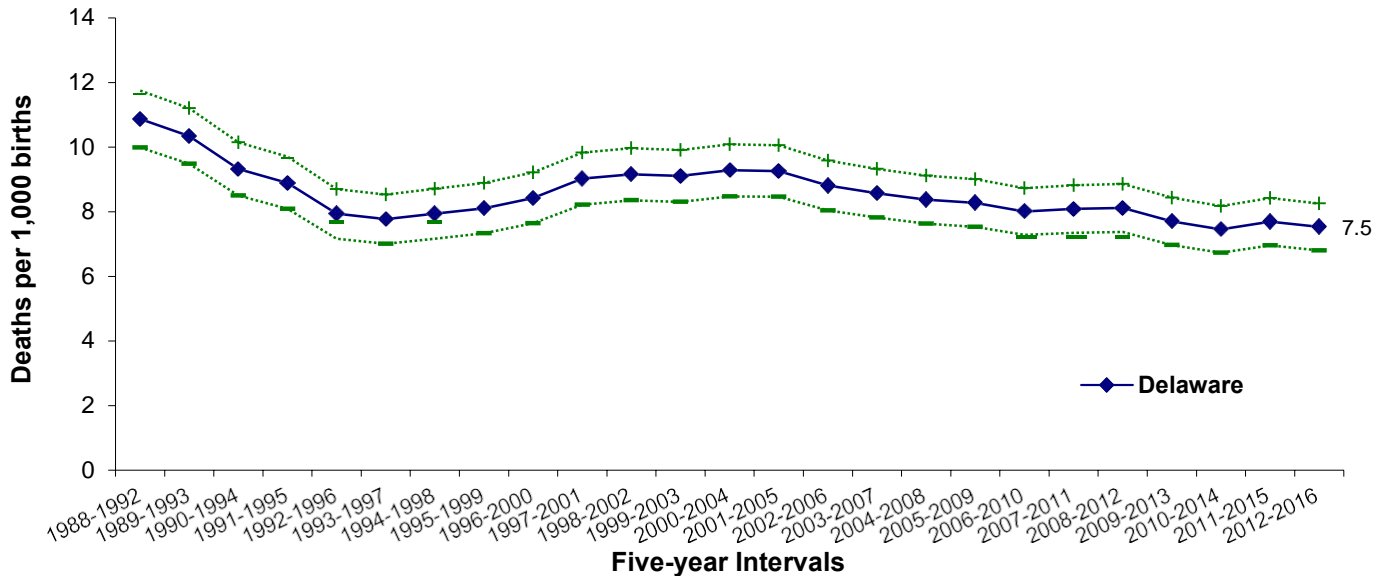
The background of the slide consists of several parallel, diagonal grey lines that run from the top-left towards the bottom-right. These lines are spaced evenly and create a textured, geometric pattern.

# **Infant Mortality**

## INFANT MORTALITY

In 2012-2016, Delaware's infant mortality rate (IMR) was 7.5 infant deaths per 1,000 live births, resulting in a total decline of 19.3 percent from the 2000-2004 rate of 9.3 infant deaths per 1,000 live births.

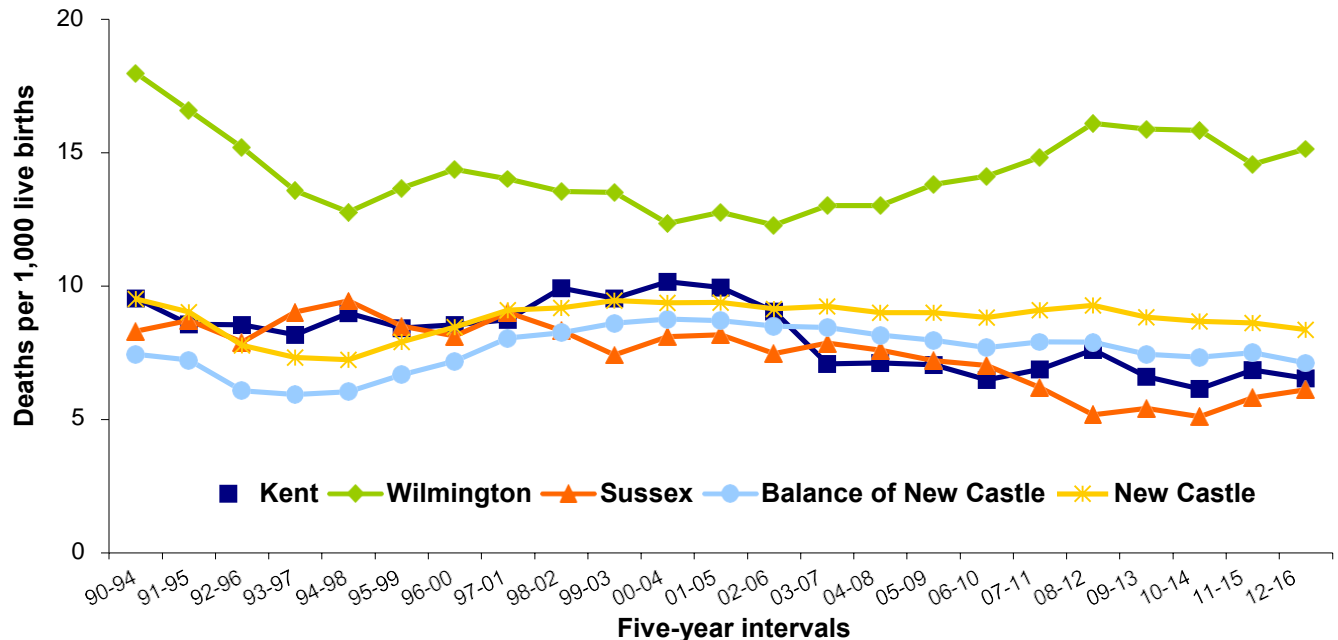
**Figure 27. Five-year Average Infant Mortality Rates with Confidence Intervals, Delaware, 1988-2016**



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. The combination of Wilmington's high IMR and a higher IMR in the balance of New Castle County resulted in New Castle County's IMR being higher than the IMRs of both Kent and Sussex counties. Sussex County's IMR remained the lowest at 6.1 infant deaths per 1,000 live births. In 2012-2016, the balance of New Castle County's IMR was 7.1 infant deaths per 1,000 live births; Wilmington's IMR was 15.1 infant deaths per 1,000 live births; and Kent County's IMR was 6.5 infant deaths per 1,000 live births.

**Figure 28. Five-year Average Infant Mortality Rates, Delaware Counties and City of Wilmington, Delaware, 1990-2016**

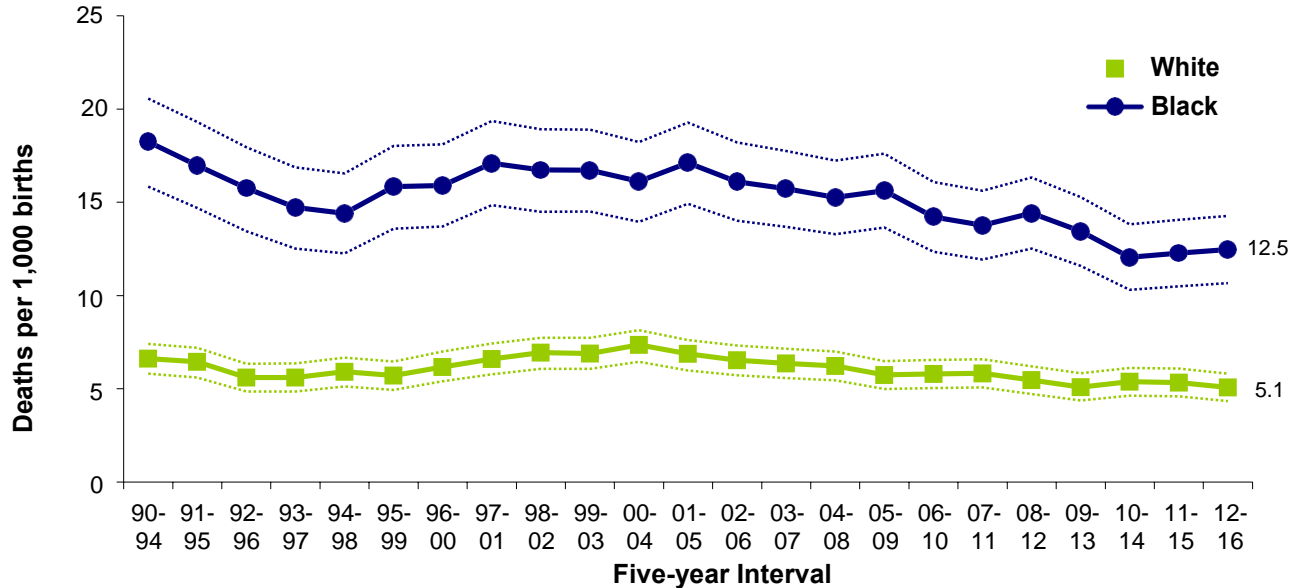


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## INFANT MORTALITY

Black infants experienced significantly higher mortality rates than white infants, but the gap is decreasing. In 2012-2016 the black IMR of 12.5 infant deaths per 1,000 live births was more than two times higher than the white IMR of 5.1 infant deaths per 1,000 live births, whereas in 1990-1994 the black IMR was three times higher than the white IMR.

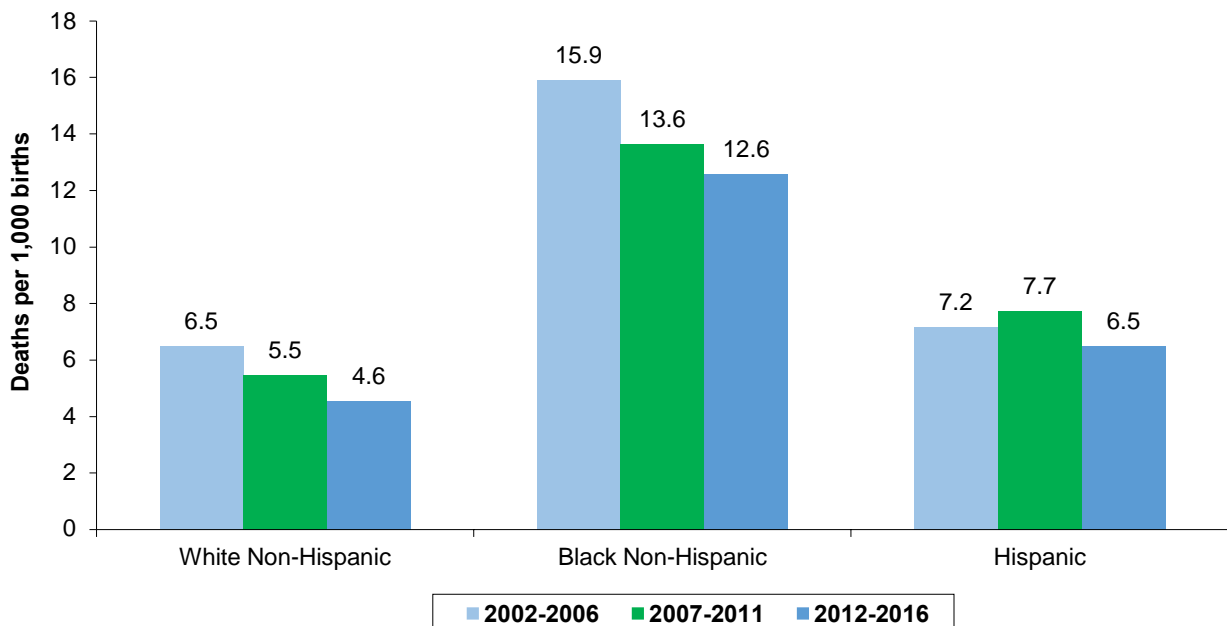
**Figure 29. Five-year Average Black and White Infant Mortality Rates with Confidence Intervals, Delaware, 1990-2016**



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

Significant disparities existed between black non-Hispanics and each of the two other groups: white non-Hispanics and Hispanics. Black non-Hispanics had the highest IMRs in all three time periods, and their rate of 12.6 infant deaths per 1,000 live births in 2012-2016 was nearly triple the white non-Hispanic rate of 4.6 and nearly double the Hispanic rate of 6.5 infant deaths per 1,000 live births. Although the rates for each of the race groupings decreased from 2002-2006 to 2012-2016, white non-Hispanics had the largest percentage decrease at 29.2 percent.

**Figure 30. Five-year Average Infant Mortality Rates by Race and Hispanic Origin, Delaware 2002-2016**



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

## INFANT MORTALITY

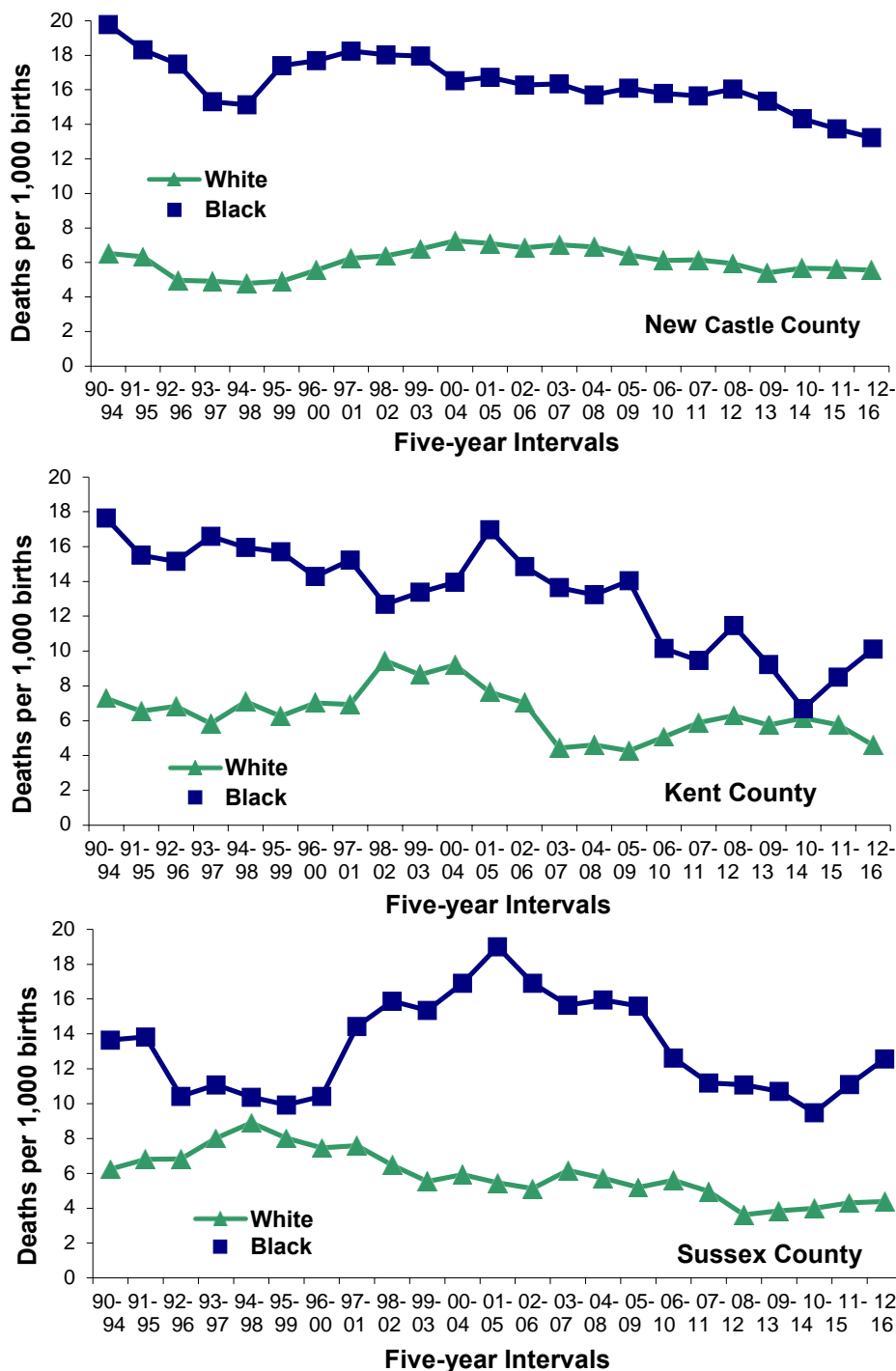
In 2012-2016, New Castle County had the highest IMRs and Sussex County had the lowest.

Black IMRs in New Castle County have hovered around 16 infant deaths per 1,000 live births since 2004, and decreased the last three time periods to 13.2 infant deaths per 1,000 live births.

Black IMRs in Kent County peaked at 17 infant deaths per 1,000 live births in 2001-2005. The IMR has since fluctuated while still remaining 41 percent lower in 2012-2016, at 10.1 infant deaths per 1,000 live births. The white IMR had a 52 percent decrease from its peak in 1998-2002 to 2012-2016 (9.5 to 4.6 infant deaths per 1,000 live births).

Sussex County's black IMR rose to 12.6 infant deaths per 1,000 live births in 2012-2016, a 21 percent increase since 1996-2000 and a 34 percent reduction from the 2001-2005 peak of 19. Sussex County's white IMR fluctuated between five and six from 1999-2003 to 2007-2011, and in 2012-2016 the rate dropped to 4.4 infant deaths per 1,000 live births.

**Figure 31. Five-year Average Infant Mortality Rates by Race and County, Delaware, 1990-2016**



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

## INFANT MORTALITY- Leading Causes of Death

In 2012-2016 the five leading causes of infant death in Delaware were:

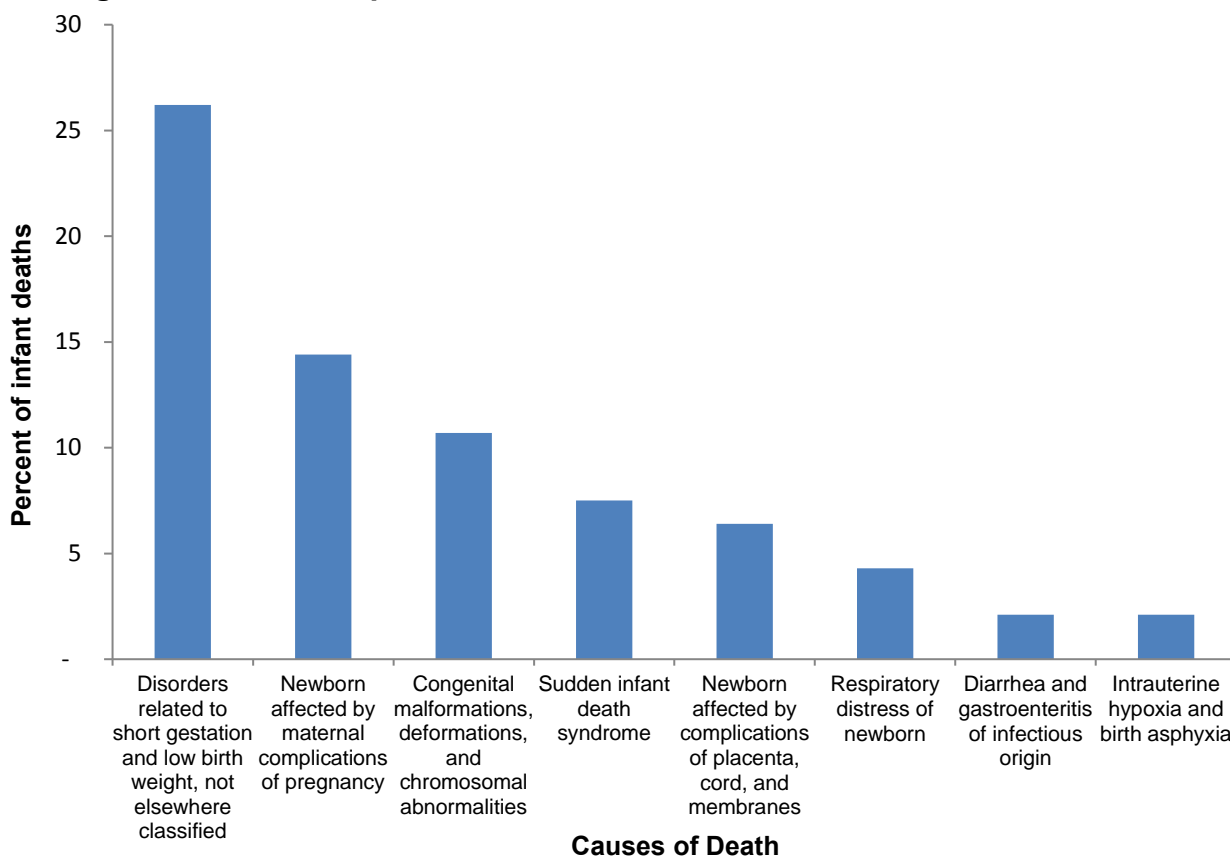
- Disorders related to short gestation and fetal malnutrition (prematurity and low birthweight), which accounted for 21.1 percent of infant deaths.
- Newborns affected by maternal complications of pregnancy, which accounted for 13.8 percent of infant deaths. Of the 57 deaths attributed to this cause, 52 were due to the newborn being affected by incompetent cervix and premature rupture of membranes.
- Congenital anomalies (birth defects), which accounted for 12.8 percent of infant deaths.
- Sudden infant death syndrome (SIDS), which accounted for 7 percent of all infant deaths.
- Newborns affected by complications of placenta, cord, and membranes accounted for 5.3 percent of infant deaths.

In sum, the five most common causes of infant death accounted for 60 percent, or 248 of the 413 total infant deaths.

The most frequent causes of death by race are shown in Figures 32-34. Birth defects and disorders related to short gestation and low birthweight were both listed in the top three most frequent causes of death for both black and white infants.

Though the proportions of deaths by race were similar for many of the causes of death, notable exceptions were birth defects and disorders due to prematurity and low birthweight. While birth defects were responsible for 17 percent of all white infant deaths, they accounted for only 11 percent of black infant deaths. Conversely in 2012-2016, infant deaths due to disorders related to prematurity and low birthweight accounted for larger percentages of black infant deaths than white infant deaths (26 versus 14 percent for prematurity and low birthweight).

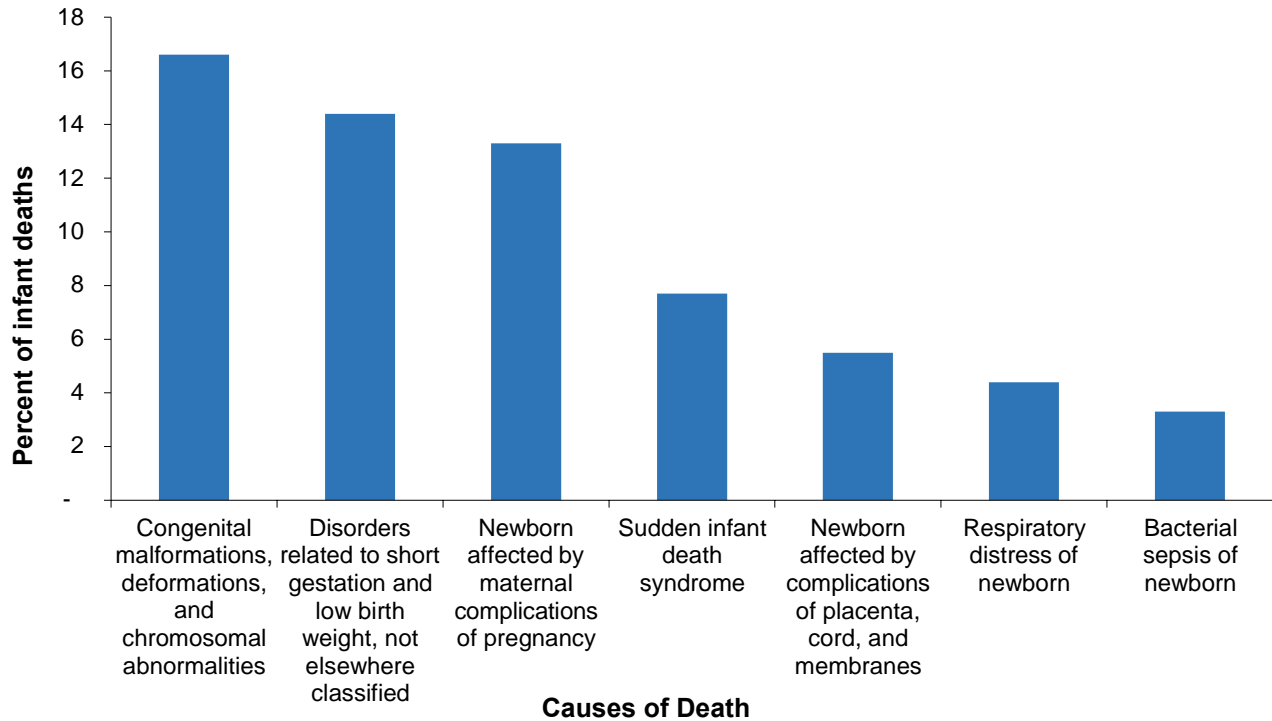
**Figure 32. Most Frequent Causes of Black Infant Death, Delaware, 2012-2016**



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

INFANT MORTALITY- Leading Causes of Death

**Figure 33. Most Frequent Causes of White Infant Death, Delaware, 2012-2016**

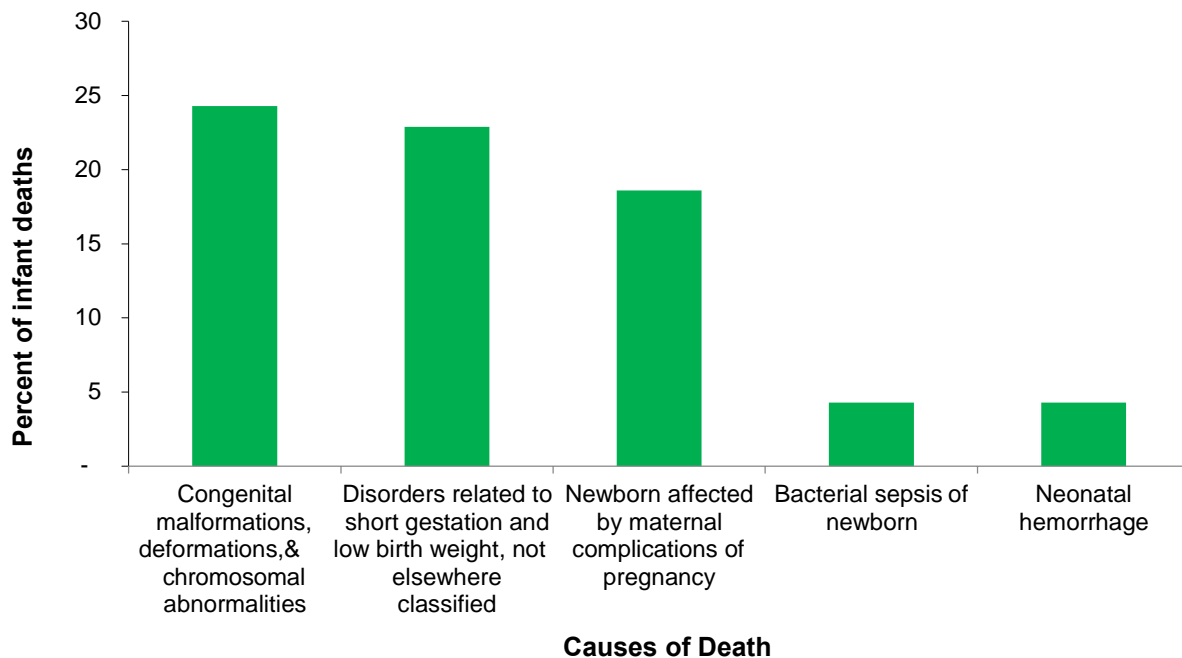


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

In 1989-1993, Hispanics accounted for 3.6 percent of all live births and 3.4 percent of infant deaths; since that time, the proportion of births to Hispanic mothers has nearly quadrupled. In the most recent five-year period, 2012-2016, 13.5 percent of all live births were to Hispanic mothers, and 16.9 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 34. Most Frequent Causes of Hispanic Infant Death, Delaware, 2012-2016**



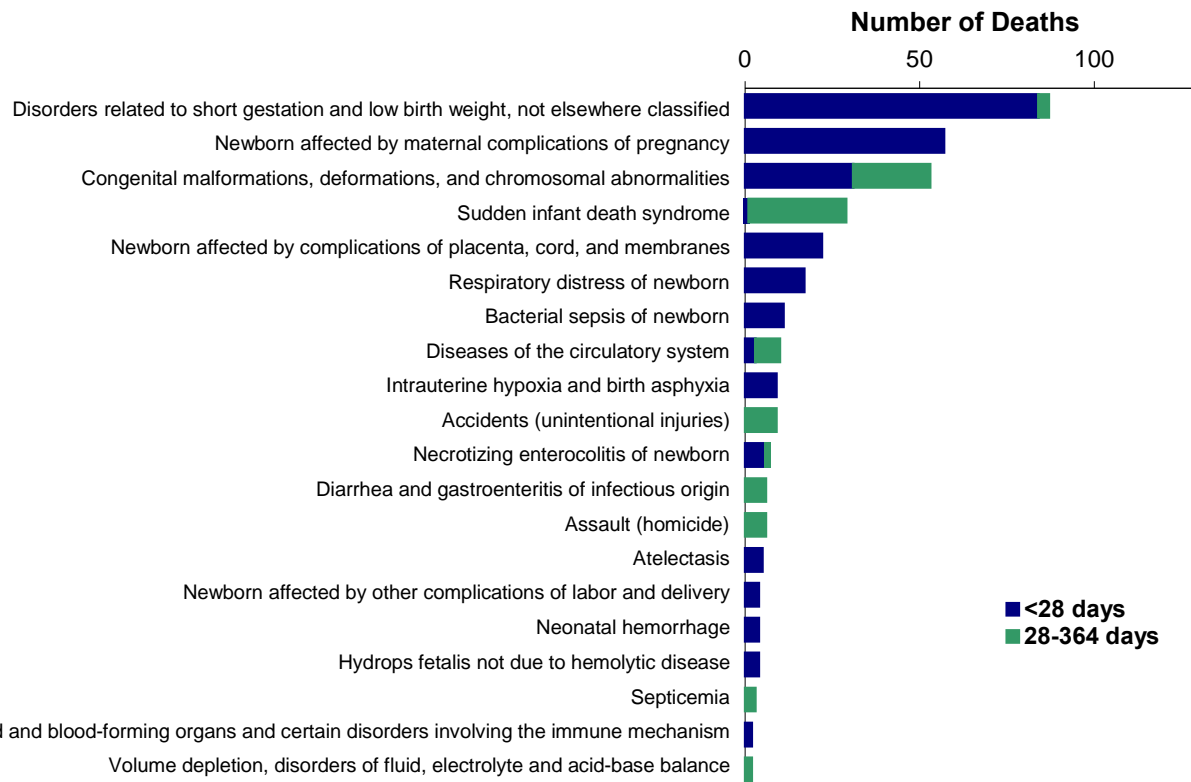
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## INFANT MORTALITY - Leading Causes of Death

In Delaware in 2012-2016, approximately 94 percent of all infant deaths occurred within the first six months of life, 74 percent occurred within the first 28 days of life, and 43 percent occurred within 24 hours of birth.

Figure 35 displays deaths by specific cause and the infant's age classification at death: neonatal (<28 days), or postneonatal (28-364 days).

**Figure 35. Most Frequent Causes of Infant Death, Delaware, 2012-2016**



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

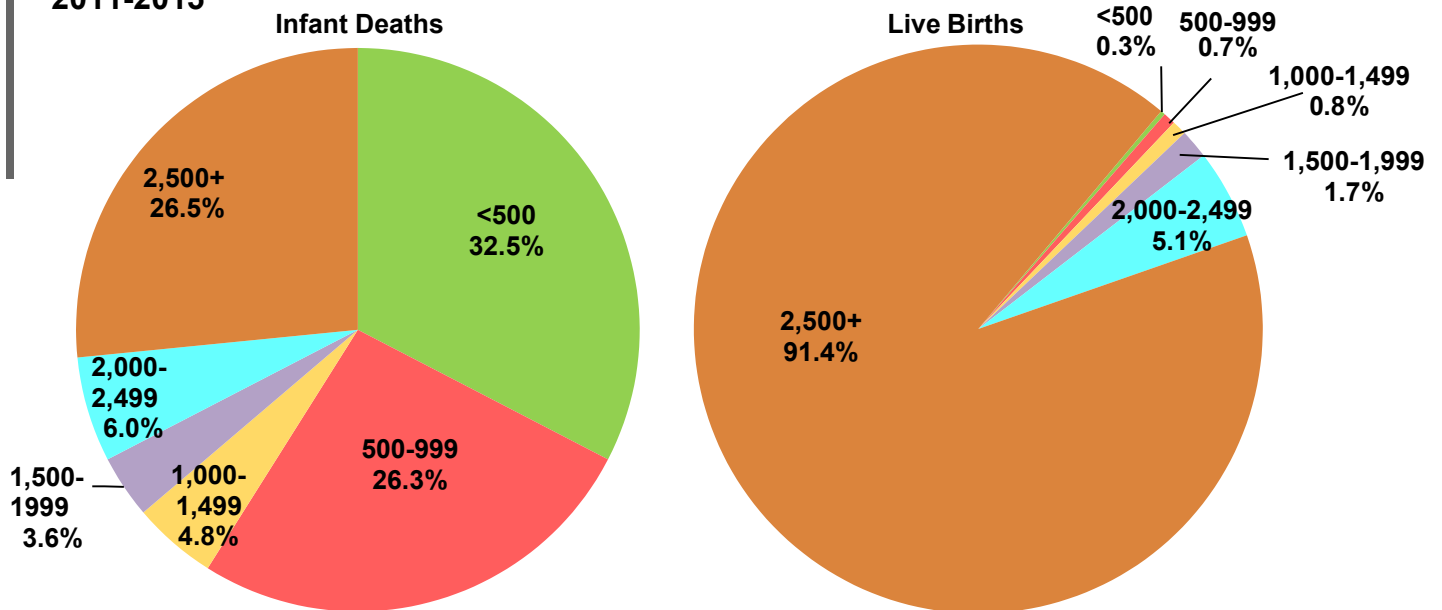
- Prematurity and low birthweight accounted for the greatest number of infant deaths in 2012-2016; 97 percent of these deaths occurred in the neonatal period.
- Sudden infant death syndrome (SIDS) was the only one of the top five causes of death that had the majority of deaths occurring in the postneonatal period, with a mean age at death of 106 days. The number of infant deaths in 2012-2016 was 12 percent less than the number of infant deaths in 2007-2011. Although it remained in the top five leading causes of infant death in 2012-2016, SIDS deaths decreased 44 percent to 29 from the 52 SIDS deaths in 2007-2011.
  - ⇒ 55 percent (16 out of 29) of the SIDS deaths were associated with co-sleeping and/or sleeping on soft surfaces, such as couches and adult beds.
- In 2012-2016, there were eight 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, 9 percent of all infant deaths were associated with co-sleeping and/or unsafe sleep practices.



## INFANT MORTALITY - Live Birth Cohort

Though only 1 percent of all live births in 2011-2015 were infants weighing less than 1000 grams, they accounted for over half (59 percent) of all infant deaths. In total, 8.5 percent of all live births in 2011-2015 were infants of low birthweight (under 2,500 grams) and 73 percent of infant deaths were low birthweight.

**Figure 36. Percent Distribution by Birthweight in Grams, Delaware, Live Birth Cohort, 2011-2015**

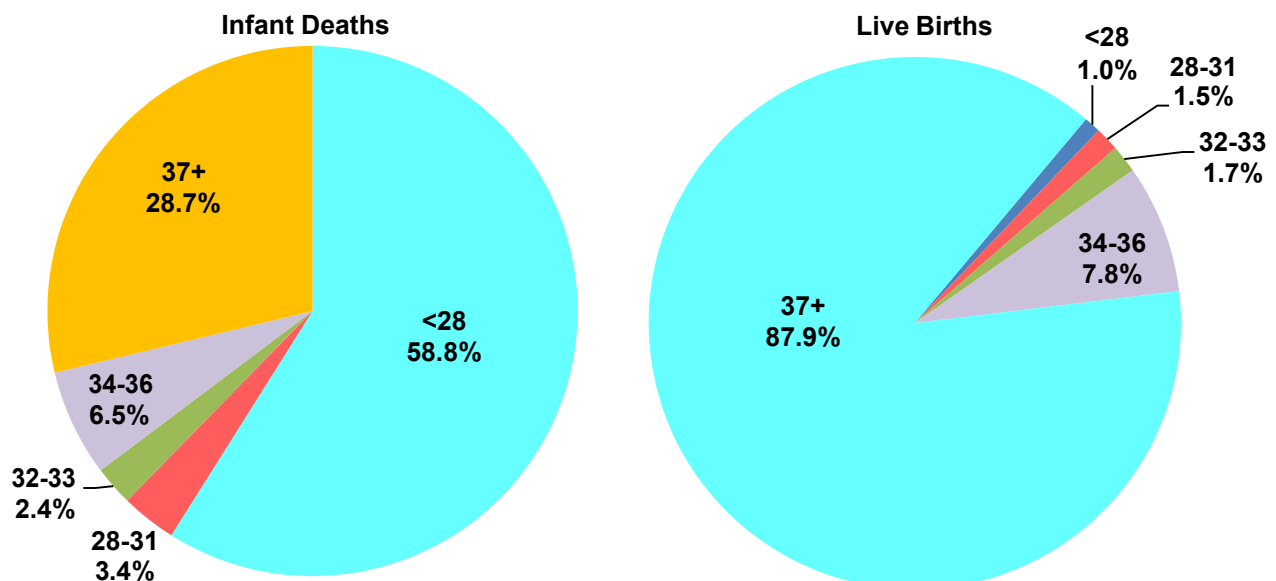


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

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 2011-2015 were less than 28 weeks gestation at birth, but they accounted for 59 percent of all infant deaths. In total, 12 percent of all live births in 2011-2015 were born preterm (<37 weeks of gestation) and 71.1 percent of infant deaths were born preterm.

**Figure 37. Distribution by Gestation in Weeks, Delaware, Live Birth Cohort, 2011-2015**



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

## INFANT MORTALITY - Live Birth Cohort

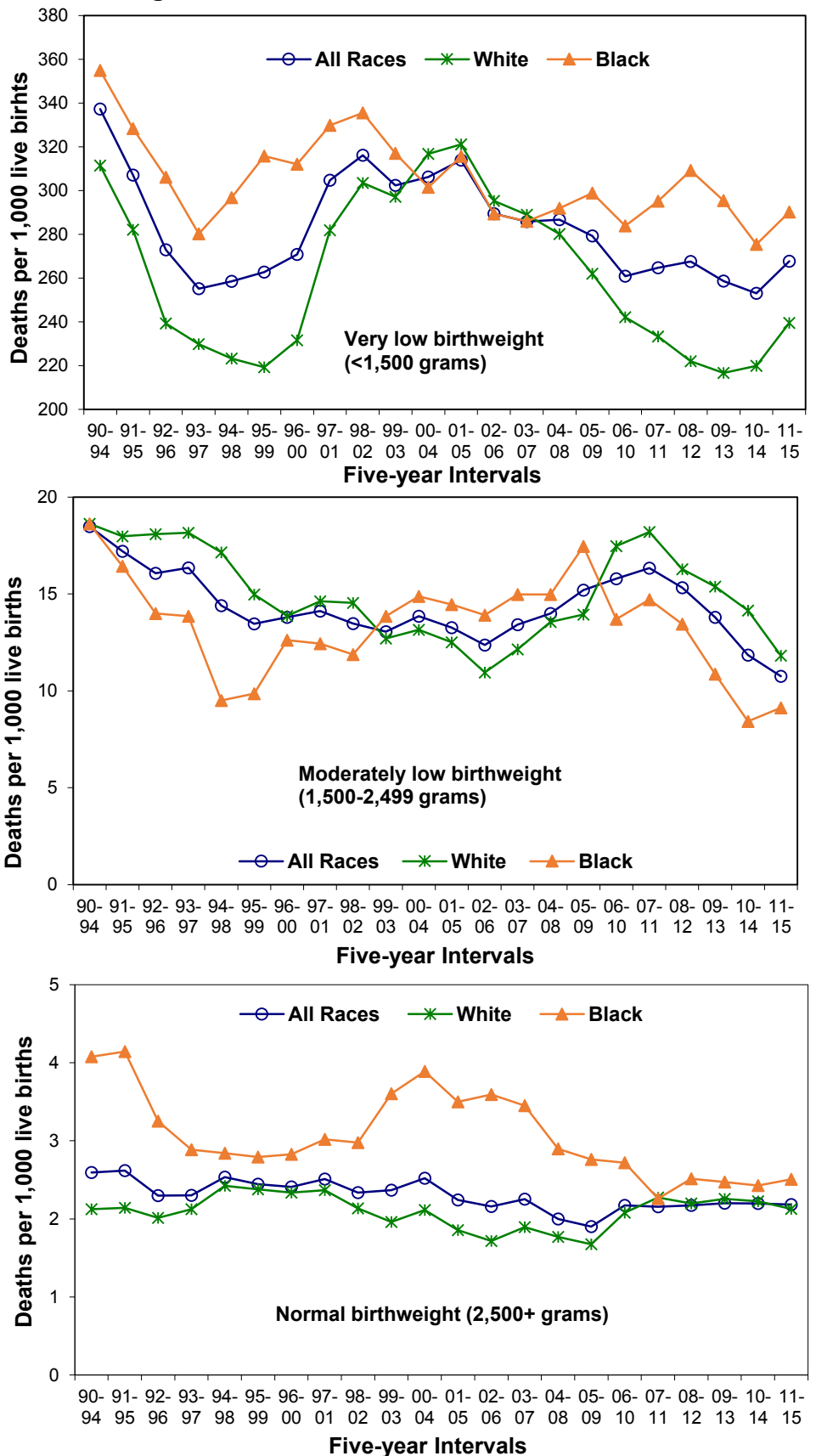
Birthweight and gestation are considered to be the most important predictors of infant health and mortality risk. Infants born too small or too early have a much greater risk of mortality than those who reach a normal birthweight (2,500+ grams) or full-term gestation (37+ weeks).

Although the IMRs decreased for both white and black very low birthweight (VLBW) (<1,500 grams) since 2001-2005, the black IMR of 290.2 was significantly higher than the white IMR of 239.6 infant deaths per 1,000 live births in 2011-2015.

IMRs for moderately low birthweight infants of all races declined 31.6 percent between 2006-2010 and 2011-2015. During that time, white IMRs decreased 33 percent while the black IMR decreased by 34 percent, making their rates lower than the white rates (9.1 vs. 11.8).

The IMR for all races and normal birthweight increased 16 percent from 2005-2009 to 2011-2015 (1.9 to 2.2). IMRs for normal birthweight white infants increased 24 percent from 2005-2009 to 2011-2015 (1.7 to 2.1 infant deaths per 1,000 live births), while the IMRs for black infants declined 11 percent. The divergent movement in black and white rates in 2011-2015 narrowed the black/white disparity ratio; the black IMR for normal birthweight infants was 2.5, versus 2.1 infant deaths per 1,000 live births for white infants of normal birthweight.

**Figure 38. Five-year Average Infant Mortality Rates by Birthweight and Race, Delaware, 1990-2015 Live Birth Cohort**

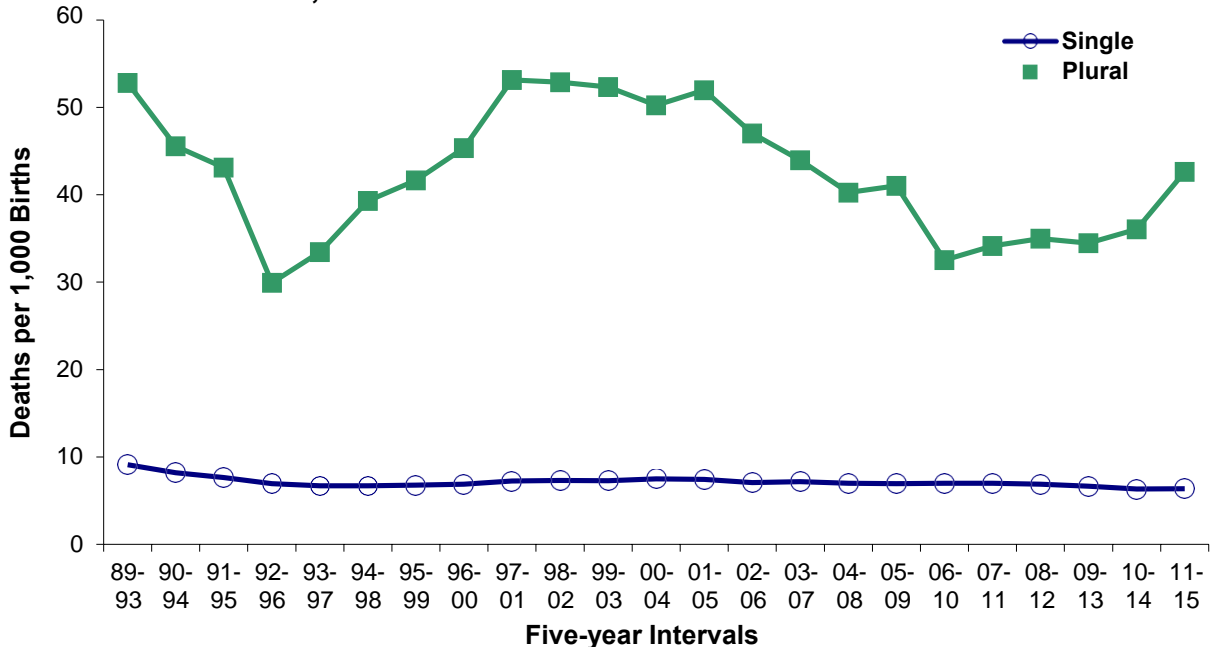


Source: Delaware Department of Health and Social Services, Division of Public Health, Health Statistics Center

## INFANT MORTALITY - Live Birth Cohort

From 1992-1996 to 1997-2001, IMRs for plural births increased 77 percent, to 53.1 infant deaths per 1,000 live births. During the same time, IMRs for singleton births increased by four percent. Since then, IMRs for plural births have decreased 19.4 percent. IMRs for singleton births experienced a decrease of 12 percent. In 2011-2015, the infant mortality rate for plural births was nearly seven times that of singleton births (42.6 versus 6.4 infant deaths per 1,000 live births).

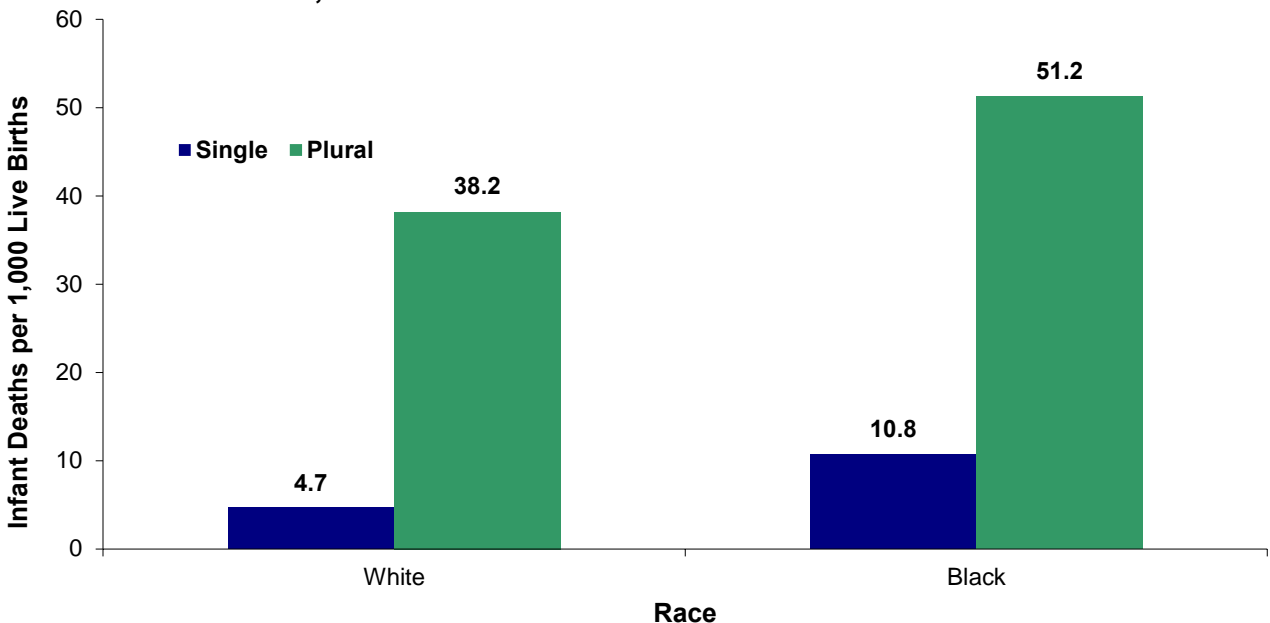
**Figure 39. Five-year Average Infant Mortality Rates by Plurality, Delaware, Live Birth cohort, 1989-2015**



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

The disparity between singleton and plural IMRs was evident regardless of race. The black IMR was more than twice the white IMR for singleton births and 1.3 times greater for plural births.

**Figure 40. Five-year Average Infant Mortality Rates by Plurality and Race, Delaware, Live Birth Cohort, 2011-2015**



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

**TABLE E-1. NUMBER OF INFANT DEATHS BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE, 1999-2016**

Area/ Race	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>U.S.</b>																		
All Races	27,937	28,035	27,568	28,034	28,025	27,936	28,440	28,527	29,138	28,059	26,412	24,586	23,985	23,629	23,446	23,215	23,455	N/A
White	18,067	18,144	17,955	18,369	18,440	18,231	18,514	18,403	18,807	18,164	16,817	15,954	15,460	15,258	15,152	14,883	14,834	N/A
Black	8,822	8,771	8,498	8,524	8,402	8,494	8,695	8,858	8,944	8,543	8,312	7,401	7,284	7,095	6,862	7,076	7,289	N/A
Other	1,048	1,120	1,115	1,141	1,183	1,211	1,231	1,266	1,387	1,352	1,283	1,231	1,241	1,276	1,432	1,256	1,332	N/A
<b>Delaware</b>																		
All Races	81	102	114	96	107	97	106	99	91	101	91	88	98	84	68	74	100	87
White	31	65	60	57	53	51	48	50	52	49	30	47	48	34	30	38	44	36
Black	49	37	53	35	53	44	55	44	38	52	54	36	38	44	34	30	39	40
Other	1	0	1	4	1	2	3	5	1	0	7	5	12	6	4	6	17	11
<b>Kent</b>																		
All Races	10	21	19	27	16	17	21	13	9	18	18	15	17	17	6	13	23	14
White	4	16	10	22	8	8	6	7	4	10	6	12	13	7	5	9	9	4
Black	6	5	9	5	8	8	14	5	4	8	12	3	3	10	1	4	9	9
Other	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	5	1
<b>New Castle</b>																		
All Races	61	67	72	55	78	60	68	68	60	70	57	58	74	58	48	49	54	62
White	22	40	37	30	37	33	35	31	33	32	18	24	29	24	17	22	21	25
Black	38	27	35	22	40	27	31	35	27	38	34	30	34	28	28	21	24	27
Other	1	0	0	3	1	0	2	2	0	0	5	4	11	6	3	6	9	10
<b>Wilmington</b>																		
All Races	20	16	17	12	18	12	18	16	17	19	18	18	17	20	14	14	10	18
White	4	4	2	2	4	4	3	2	3	7	0	4	2	8	2	5	3	1
Black	16	12	15	10	14	8	15	14	14	12	16	13	15	11	11	8	4	14
Other	0	0	0	0	0	0	0	0	0	0	2	1	0	1	1	1	3	3
<b>Balance of NC County</b>																		
All Races	41	51	55	43	60	48	50	52	43	51	39	40	57	38	34	35	44	44
White	18	36	35	28	33	29	32	29	30	25	18	20	27	16	15	17	18	24
Black	22	15	20	12	26	19	16	21	13	26	18	17	19	17	17	13	20	13
Other	1	0	0	3	1	0	2	2	0	0	3	3	11	5	2	5	6	7
<b>Sussex</b>																		
All Races	10	14	23	14	13	20	17	18	22	13	16	15	7	9	14	12	23	11
White	5	9	13	5	8	10	7	12	15	7	6	11	6	3	8	7	14	7
Black	5	5	9	8	5	9	10	4	7	6	8	3	1	6	5	5	6	4
Other	0	0	1	1	0	1	0	2	0	0	2	1	0	0	1	0	3	0

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

**TABLE E-2. NUMBER OF NEONATAL DEATHS BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE, 1999-2016**

Area/ Race	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>U.S.</b>																		
All Races	18,728	18,776	18,265	18,749	18,893	18,593	18,770	18,989	19,058	18,211	17,255	16,188	15,954	15,886	15,893	15,720	N/A	N/A
White	12,164	12,201	12,013	12,354	12,495	12,238	12,239	12,302	12,333	11,843	11,054	10,612	10,422	10,267	10,264	10,170	N/A	N/A
Black	5,920	5,843	5,585	5,646	5,640	5,495	5,740	5,876	5,842	5,523	5,374	4,769	4,719	4,610	4,647	4,686	N/A	N/A
Other	644	732	667	749	758	860	791	811	883	845	827	807	813	1,009	982	864	N/A	N/A
<b>Delaware</b>																		
All Races	58	71	82	79	75	63	79	72	65	68	66	58	73	66	47	55	79	57
White	21	45	44	48	36	33	36	36	37	32	19	27	30	25	18	29	37	20
Black	37	26	37	28	38	28	40	33	28	36	40	26	35	35	25	21	32	27
Other	0	0	1	3	1	2	3	3	0	0	7	5	8	6	4	5	10	10
<b>Kent</b>																		
All Races	8	15	15	22	8	11	14	7	6	12	14	11	13	12	3	10	17	9
White	3	11	10	18	3	5	3	4	3	7	4	9	9	4	3	8	8	3
Black	5	4	5	4	5	5	10	3	3	5	10	2	3	8	0	2	6	5
Other	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0	0	3	1
<b>New Castle</b>																		
All Races	44	50	54	47	56	39	54	52	43	48	42	36	57	47	34	37	49	43
White	14	29	27	26	27	21	28	22	23	20	13	9	18	20	9	15	19	14
Black	30	21	27	19	28	18	24	28	20	28	24	23	32	21	22	17	24	20
Other	0	0	0	2	1	0	2	2	0	0	5	4	7	6	3	5	6	9
<b>Wilmington</b>																		
All Races	14	13	14	9	10	9	15	12	10	10	14	10	14	18	11	12	10	15
White	2	4	1	1	1	3	3	1	1	3	0	0	1	8	2	5	3	1
Black	12	9	13	8	9	6	12	11	9	7	12	9	13	9	8	6	4	11
Other	0	0	0	0	0	0	0	0	0	0	2	1	0	1	1	1	3	3
<b>Balance of NC County</b>																		
All Races	30	37	40	38	46	30	39	40	33	38	28	26	43	29	23	25	39	28
White	12	25	26	25	26	18	25	21	22	17	13	9	17	12	7	10	16	13
Black	18	12	14	11	19	12	12	17	11	21	12	14	19	12	14	11	20	9
Other	0	0	0	2	1	0	2	2	0	0	3	3	7	5	2	4	3	6
<b>Sussex</b>																		
All Races	6	6	13	10	11	13	11	13	16	8	10	11	3	7	10	8	13	5
White	4	5	7	4	6	7	5	10	11	5	2	9	3	1	6	6	10	3
Black	2	1	5	5	5	5	6	2	5	3	6	1	0	6	3	2	2	2
Other	0	0	1	1	0	1	0	1	0	0	2	1	0	0	1	0	1	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

**TABLE E-3. NUMBER OF POSTNEONATAL DEATHS BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE, 1999-2016**

Area/ Race	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>U.S.</b>																		
All Races	9,209	9,259	9,303	9,285	9,132	9,343	9,670	9,538	10,080	9,848	9,157	8,398	8,031	7,743	7,553	7,495	N/A	N/A
White	5,903	5,943	5,942	6,015	5,945	5,993	6,275	6,101	6,474	6,321	5,763	5,342	5,038	4,991	4,888	4,713	N/A	N/A
Black	2,902	2,928	2,913	2,878	2,762	2,999	2,955	2,982	3,102	3,020	2,938	2,632	2,565	2,485	2,215	2,390	N/A	N/A
Other	404	388	448	392	425	351	440	455	504	507	456	424	428	267	450	392	N/A	N/A
<b>Delaware</b>																		
All Races	23	31	32	17	32	34	27	27	26	33	25	30	25	18	21	19	21	30
White	10	20	16	9	17	18	12	14	15	17	11	20	18	9	12	9	7	16
Black	12	11	16	7	15	16	15	11	10	16	14	10	3	9	9	9	7	13
Other	1	0	0	1	0	0	0	2	1	0	0	0	4	0	0	1	7	1
<b>Kent</b>																		
All Races	2	6	4	5	8	6	7	6	3	6	4	4	4	5	3	3	6	5
White	1	5	0	4	5	3	3	3	1	3	2	3	4	3	2	1	1	1
Black	1	1	4	1	3	3	4	2	1	3	2	1	0	2	1	2	3	4
Other	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	2	0
<b>New Castle</b>																		
All Races	17	17	18	8	22	21	14	16	17	22	15	22	17	11	14	12	5	19
White	8	11	10	4	10	12	7	9	10	12	5	15	11	4	8	7	2	11
Black	8	6	8	3	12	9	7	7	7	10	10	7	2	7	6	4	0	7
Other	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	1	3	1
<b>Wilmington</b>																		
All Races	6	3	3	3	8	3	3	4	7	9	4	8	3	2	3	2	0	3
White	2	0	1	1	3	1	0	1	2	4	0	4	1	0	0	0	0	0
Black	4	3	2	2	5	2	3	3	5	5	4	4	2	2	3	2	0	3
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>																		
All Races	11	14	15	5	14	18	11	12	10	13	11	14	14	9	11	10	5	16
White	6	11	9	3	7	11	7	8	8	8	5	11	10	4	8	7	2	11
Black	4	3	6	1	7	7	4	4	2	5	6	3	0	5	3	2	0	4
Other	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	1	3	1
<b>Sussex</b>																		
All Races	4	8	10	4	2	7	6	5	6	5	6	4	4	2	4	4	10	6
White	1	4	6	1	2	3	2	2	4	2	4	2	3	2	2	1	4	4
Black	3	4	4	3	0	4	4	2	2	3	2	2	1	0	2	3	4	4
Other	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0

Notes:

1. \*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

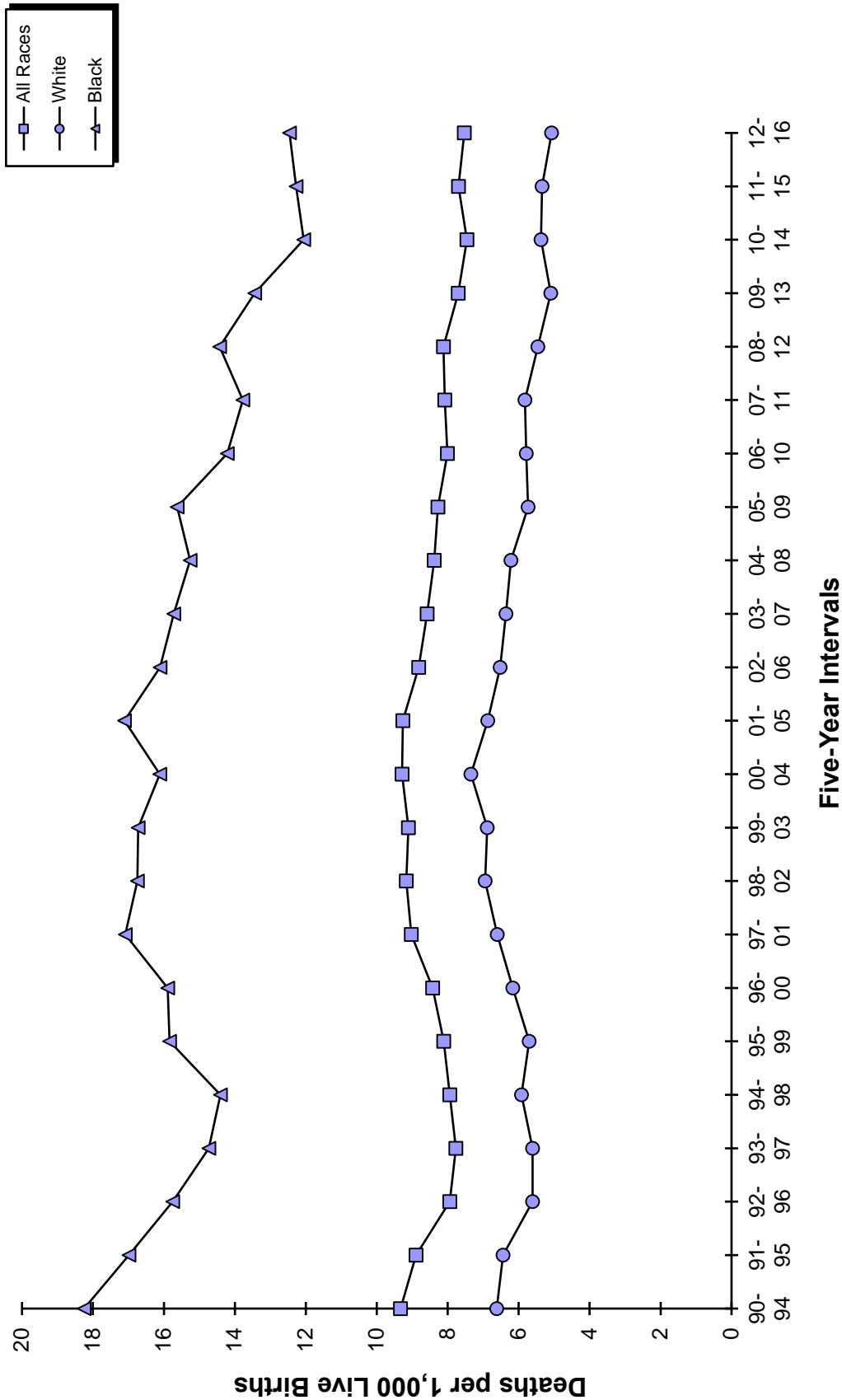
**TABLE E-4. FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE, 1996-2016**

Area/ Race	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>																	
All Races	7.1	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.5	6.4	6.2	6.1	6.0	5.9	N/A
White	5.9	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3	5.2	5.1	5.0	N/A
Black	14.4	14.2	14.3	14.2	14.0	14.0	13.8	13.6	13.3	13.1	12.7	12.4	12.0	11.6	11.2	11.2	N/A
<b>Delaware</b>																	
All Races	8.4+	9.0+	9.2+	9.1+	9.3+	9.3+	8.8+	8.6+	8.4+	8.3+	8.0+	8.1+	8.1+	7.7+	7.5+	7.7+	7.5
White	6.2	6.6	6.9+	6.9+	7.3+	6.9+	6.5+	6.4	6.2	5.7	5.8	5.8	5.5	5.1	5.4	5.3	5.1
Black	15.9	17.1+	16.7+	16.7+	16.1	17.1+	16.1+	15.7+	15.3	15.6+	14.2	13.8	14.4+	13.4	12.1	12.3	12.5
<b>Kent</b>																	
All Races	8.6	8.7	9.9	9.5	10.2	10.0	9.1	7.1	7.1	7.1	6.5	6.9	7.6	6.6	6.2	6.9	6.5
White	7.0	6.9	9.5	8.6	9.2	7.6	7.0	4.4	4.6	4.3	5.1	5.9	6.3	5.7	6.2	5.8	4.6
Black	14.3	15.2	12.7	13.4	13.9	17.0	14.9	13.6	13.2	14.0	10.2	9.4	11.5	9.2	6.7	8.5	10.1
<b>New Castle</b>																	
All Races	8.5	9.1	9.2	9.5	9.4	9.4	9.2	9.2	9.0	9.0	8.8	9.1	9.3	8.8	8.7	8.6	8.4
White	5.6	6.2	6.4	6.8	7.3	7.1	6.8	7.0	6.9	6.4	6.1	6.2	5.9	5.4	5.7	5.6	5.6
Black	17.7	18.2	18.0	18.0	16.5	16.7	16.3	16.3	15.7	16.1	15.8	15.6	16.1	15.3	14.3	13.7	13.2
<b>Wilmington</b>																	
All Races	14.4	14.0	13.5	13.5	12.4	12.8	12.3	13.0	13.0	13.8	14.1	14.8	16.1	15.9	15.8	14.6	15.1
White	---	---	---	---	---	---	---	---	---	---	---	---	9.8	---	10.1	10.0	---
Black	18.7	18.0	17.9	17.6	15.9	17.0	16.3	17.3	16.3	18.0	18.0	19.1	19.3	20.3	19.2	16.3	16.4
<b>Balance of NC County</b>																	
All Races	7.2	8.1	8.3	8.6	8.8	8.7	8.5	8.5	8.2	8.0	7.7	7.9	7.9	7.5	7.3	7.5	7.1
White	5.4	6.1	6.4	6.8	7.3	7.2	6.9	7.0	6.8	6.4	6.0	6.0	5.5	5.1	5.2	5.1	5.1
Black	16.8	18.5	18.1	18.2	17.0	16.6	16.3	15.8	15.3	14.9	14.5	13.8	14.4	13.0	12.2	12.6	11.9
<b>Sussex</b>																	
All Races	8.1	9.0	8.3	7.4	8.1	8.2	7.5	7.9	7.6	7.2	7.0	6.2	5.2	5.4	5.1	5.8	6.1
White	7.5	7.6	6.5	5.5	5.9	5.5	5.1	6.2	5.7	5.2	5.6	5.0	3.6	3.8	4.0	4.3	4.4
Black	10.4	14.4	15.9	15.4	16.9	19.0	16.9	15.7	16.0	15.6	12.6	11.2	11.1	10.7	9.5	11.1	12.6

Notes:  
 1. 2010-2014 U.S. data are based on NCHS estimates.  
 2. Infant mortality rates represent the number of deaths of children under one year of age per 1000 live births.  
 3. '+' indicates that the Delaware rate is significantly higher than the U.S. rate.  
 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 Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

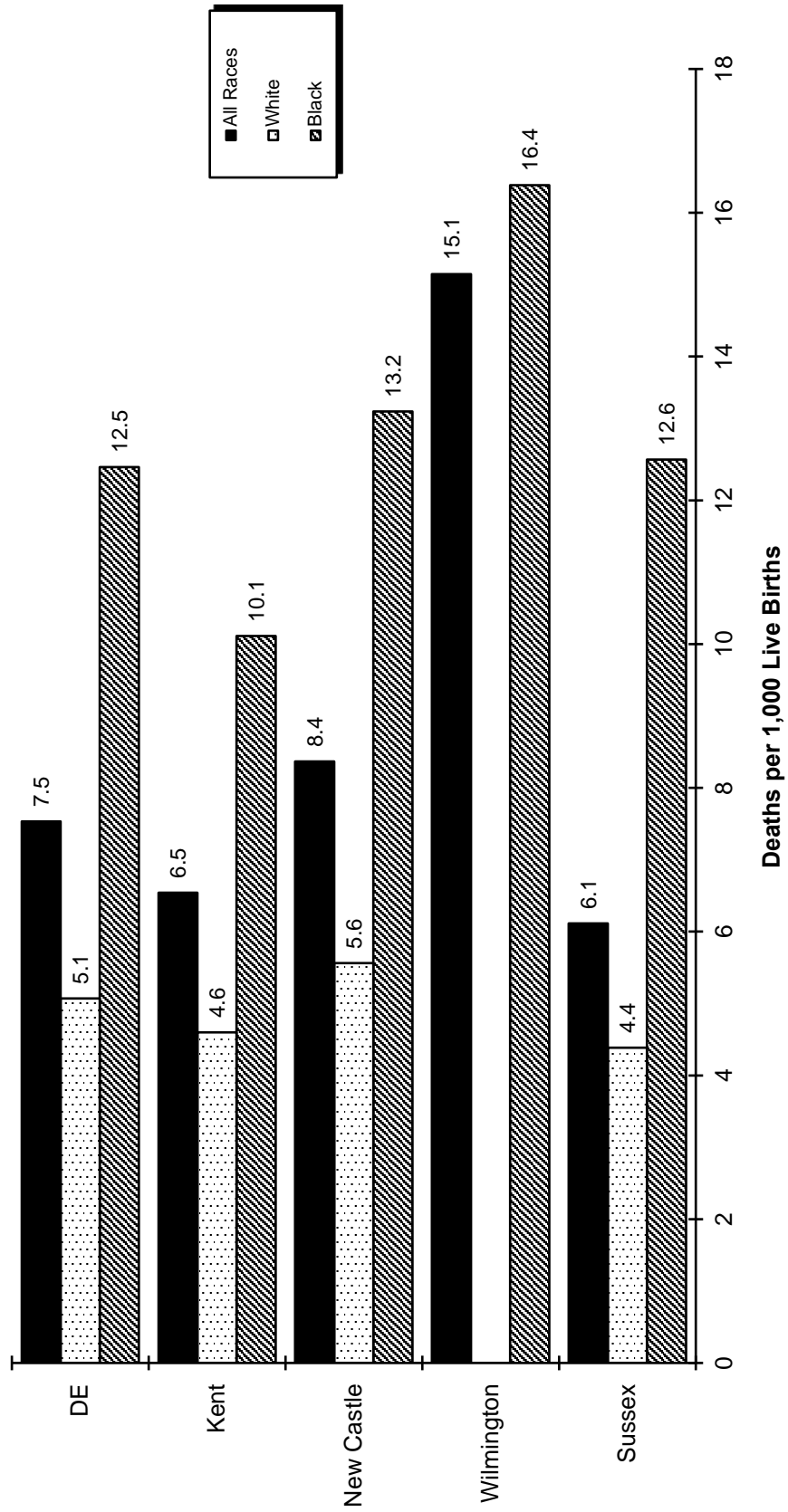
**Figure E-1. Five-Year Average Infant Mortality Rates by Race, Delaware, 1990-2016**



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



**Figure E-2. Five-Year Average Infant Mortality Rates by Race, Delaware, Counties, and the City of Wilmington, 2012-2016**



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

**TABLE E-5. FIVE-YEAR AVERAGE NEONATAL MORTALITY RATES BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE, 1996-2016**

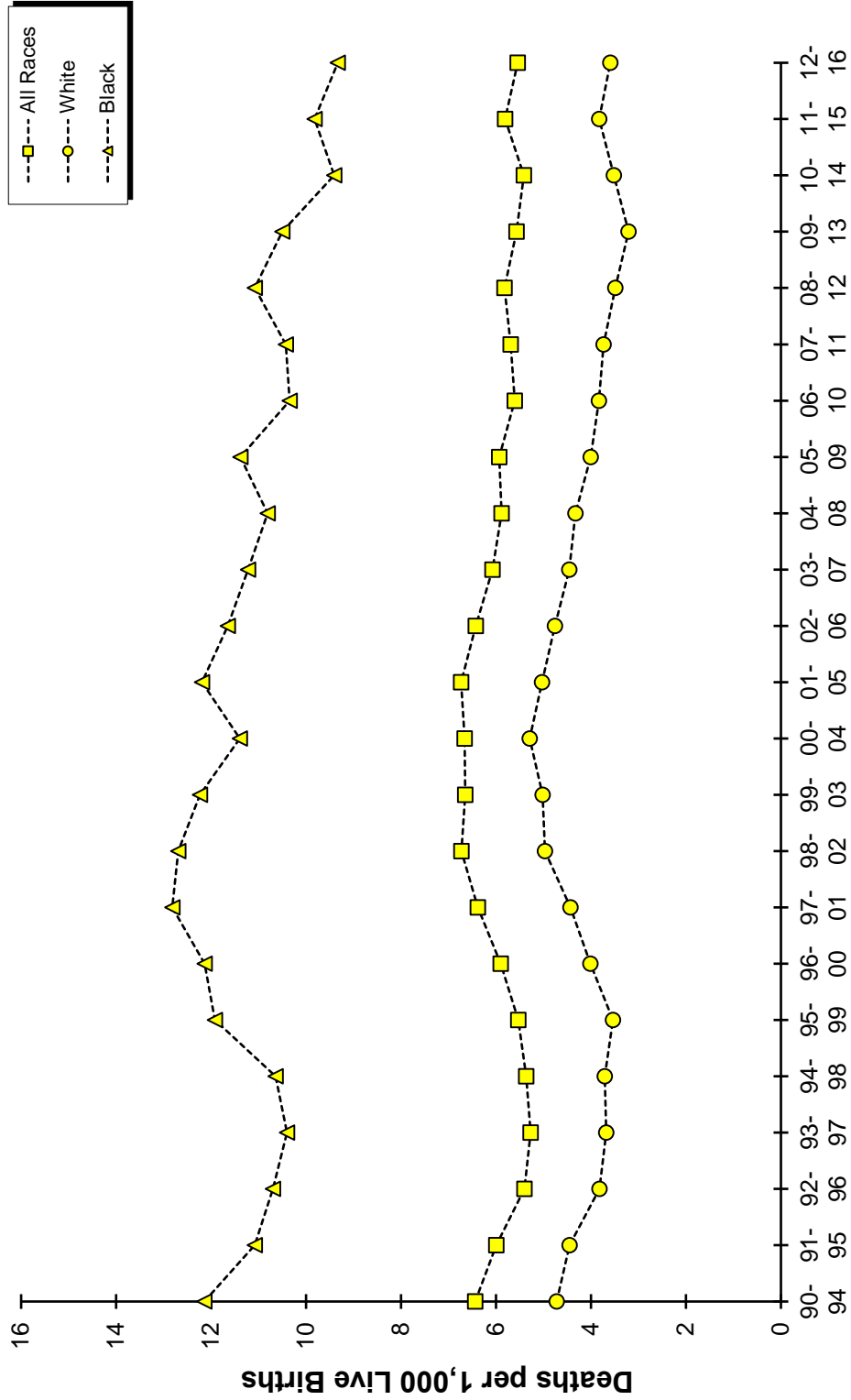
Area/ Race	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>																	
All Races	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.1	4.0	N/A	N/A
White	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.5	3.4	N/A	N/A
Black	9.5	9.5	9.5	9.5	9.3	9.2	9.1	9.0	8.7	8.6	8.3	8.0	7.7	7.5	7.4	N/A	N/A
<b>Delaware</b>																	
All Races	5.9+	6.4+	6.7+	6.7+	6.7+	6.7+	6.4+	6.1+	5.9+	5.9+	5.6+	5.7+	5.8+	5.6+	5.4+	5.8	5.5
White	4.0	4.4	5.0+	5.0+	5.3+	5.0+	4.8+	4.5+	4.3	4.0	3.8	3.7	3.5	3.2	3.5	3.8	3.6
Black	12.1+	12.8+	12.7+	12.2+	11.4+	12.2+	11.6+	11.2+	10.8+	11.4+	10.3+	10.4+	11.1+	10.5+	9.4+	9.8	9.3
<b>Kent</b>																	
All Races	5.9	6.1	7.2	7.0	7.2	7.0	6.0	4.3	4.6	4.7	4.4	5.0	5.6	4.8	4.4	5.0	4.6
White	4.1	4.6	7.0	6.5	6.8	5.5	4.5	---	2.9	2.7	3.5	4.2	4.3	3.9	4.4	4.3	3.5
Black	12.1	11.3	8.9	9.3	9.2	11.2	10.0	9.1	8.8	10.1	7.3	7.2	8.9	7.3	---	---	6.4
<b>New Castle</b>																	
All Races	6.1	6.6	6.9	7.1	7.0	7.1	6.9	6.8	6.5	6.7	6.2	6.4	6.7	6.5	6.4	6.8	6.5
White	3.7	4.3	4.5	5.0	5.3	5.3	5.1	5.0	4.8	4.6	3.9	3.8	3.7	3.3	3.5	4.0	3.9
Black	13.5	14.2	14.5	13.9	12.4	12.5	12.3	12.1	11.7	12.1	11.8	12.2	12.5	12.2	11.7	11.8	10.8
<b>Wilmington</b>																	
All Races	9.8	9.7	10.1	9.8	9.1	9.5	8.9	9.0	8.9	9.6	9.0	9.7	11.6	12.2	12.4	12.6	13.2
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	12.5	12.5	13.8	13.4	12.1	13.1	12.3	12.5	11.6	12.9	12.5	13.6	14.4	15.7	14.9	13.3	13.0
<b>Balance of NC County</b>																	
All Races	5.3	6.0	6.3	6.6	6.5	6.6	6.5	6.3	6.0	6.0	5.6	5.8	5.8	5.3	5.3	5.7	5.3
White	3.6	4.2	4.6	5.1	5.4	5.5	5.2	5.2	4.8	4.7	4.0	3.9	3.5	3.1	3.0	3.4	3.3
Black	14.4	15.6	15.1	14.2	12.5	12.1	12.3	11.8	11.8	11.6	11.5	11.4	11.6	10.5	10.3	11.1	9.8
<b>Sussex</b>																	
All Races	5.3	5.8	5.5	4.6	5.1	5.5	5.3	5.6	5.2	4.9	4.9	4.1	3.4	3.6	3.5	3.7	3.8
White	5.0	4.9	4.5	3.6	3.8	3.7	3.9	4.6	4.3	3.7	4.1	3.3	2.2	2.4	2.9	3.0	2.9
Black	---	---	---	---	9.9	12.1	10.8	10.3	9.3	9.8	---	---	---	---	---	---	---

**Notes:**

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

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

**Figure E-3. Five-Year Average Neonatal Mortality Rates by Race, Delaware, 1990-2016**



**Five-Year Intervals**

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

**TABLE E-6. FIVE-YEAR AVERAGE POSTNEONATAL MORTALITY RATES BY RACE, COUNTY, AND CITY OF WILMINGTON, U.S., DELAWARE, 1996-2016**

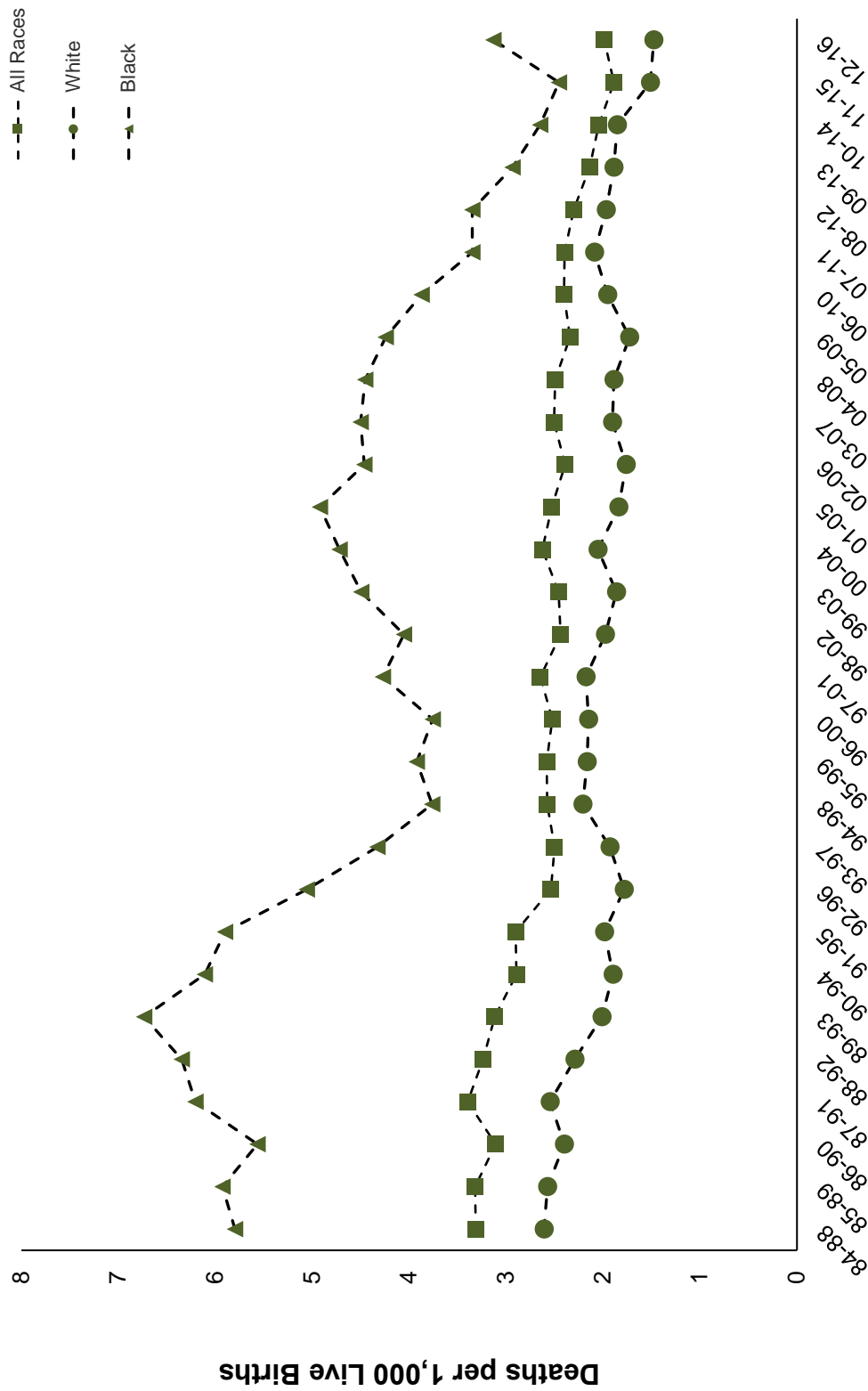
Area/ Race	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>U.S.</b>																	
All Races	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	N/A
White	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.7	1.7	1.6	N/A
Black	4.8	4.8	4.8	4.7	4.8	4.8	4.7	4.6	4.6	4.5	4.4	4.4	4.2	4.0	3.9	3.8	N/A
<b>Delaware</b>																	
All Races	2.5	2.6	2.4	2.5	2.6	2.5	2.4	2.5	2.5	2.3	2.4	2.4	2.3	2.1	2.0	1.9	2
White	2.2	2.2	2.0	1.9	2.1	1.8	1.8	1.9	1.9	1.7	2.0	2.1	2.0	1.9	1.9	1.5	1.5
Black	3.8	4.3	4.1	4.5	4.7	4.9	4.5	4.5	4.5	4.2	3.9	3.3-	3.3	2.9-	2.7-	2.5-	3.1
<b>Kent</b>																	
All Races	2.7	2.7	2.7	2.6	2.9	3.0	3.1	2.8	2.6	2.3	2.0	1.9	2.1	1.8	---	1.9	2.0
White	2.9	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>New Castle</b>																	
All Races	2.4	2.5	2.2	2.3	2.4	2.3	2.3	2.5	2.5	2.3	2.6	2.7	2.5	2.4	2.3	1.8	1.9
White	1.8	2.0	1.8	1.8	1.9	1.8	1.7	2.0	2.1	1.9	2.3	2.4	2.2	2.1	2.2	1.6	1.6
Black	4.2	4.0	3.5	4.1	4.2	4.2	4.0	4.3	4.0	4.0	3.9	3.5	3.5	3.2	2.6	---	2.5
<b>Wilmington</b>																	
All Races	4.6	4.3	3.4	3.7	3.3	3.3	3.4	4.0	4.1	4.2	5.1	5.2	4.6	3.7	---	---	---
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	6.2	5.5	---	---	---	---	---	---	---	5.1	5.5	5.5	---	---	---	---	---
<b>Balance of NC County</b>																	
All Races	1.9	2.1	2.0	2.0	2.3	2.1	2.0	2.2	2.1	1.9	2.1	2.1	2.1	2.1	2.1	1.8	1.9
White	1.8	1.9	1.8	1.6	1.9	1.7	1.6	1.9	2.0	1.7	2.0	2.1	2.0	2.0	2.2	1.7	1.8
Black	---	---	---	4.0	4.4	4.4	4.0	4.0	3.5	3.3	3.1	---	---	---	---	---	---
<b>Sussex</b>																	
All Races	2.8	3.3	2.9	2.8	3.0	2.7	2.2	2.3	2.4	2.3	2.2	2.1	1.8	1.8	---	2.1	2.3
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Notes:**

1. 2012-2016 U.S. data are based on NCHS estimates which are unavailable at the time of this report
2. Postneonatal mortality rates represent the number of deaths of children 28 to 364 days of age per 1000 live births.
3. '-' indicates that the Delaware rate is significantly lower than the U.S. rate.
4. "----" Indicates rate does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator.
5. No statistical comparisons were made between the county rates and the U.S. rate due to small numbers. See Appendix C for details.

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

**Figure E-4. Five-Year Average Postneonatal Mortality Rates by Race, Delaware, 1990-2016**



**Five-Year Intervals**

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

**TABLE E-7. FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY SELECTED RISK MARKERS AND RACE OF MOTHER, DELAWARE, 2011-2015 LIVE BIRTH COHORT**

Risk Factor	Race		
	All Races	White	Black
<b>Birth Weight of Child (in grams)</b>			
<2500	64.6	53.5	79.8
<1500	267.7	239.6	290.2
1500-2499	10.8	11.8	---
2500+	2.2	2.1	2.5
<b>Age of Mother</b>			
<20	8.9	10.0	8.1
20-24	8.5	6.6	11.4
25-29	7.3	5.2	12.4
30+	7.0	5.0	14.3
<b>Marital Status of Mother</b>			
Married	5.1	4.2	9.2
Single	10.3	7.9	13.5
<b>Education of Mother</b>			
<12 years	6.4	6.3	7.4
H.S. diploma	11.4	7.5	17.0
1+ years college	5.9	4.7	9.6
<b>Interval Since Last Live Birth</b>			
<18 months	9.2	---	---
18+ months	4.6	3.6	7.6

*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. LEADING CAUSES OF INFANT DEATH BY GESTATIONAL AGE CATEGORY, DELAWARE, 2011-2015 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	91	0	3	0	94	96.8	96.8
Newborn affected by maternal complications of pregnancy	54	2	1	0	57	94.7	98.2
Congenital malformations, deformations, and chromosomal abnormalities	9	16	30	0	55	16.4	45.5
Sudden infant death syndrome	1	3	22	0	26	3.8	15.4
Newborn affected by complications of placenta, cord, and membranes	23	1	0	0	24	95.8	100.0
Respiratory distress of newborn	16	0	1	0	17	94.1	94.1
Accidents (unintentional injuries)	1	1	9	0	11	9.1	18.2
Bacterial sepsis of newborn	5	1	4	0	10	50.0	60.0
Diseases of the circulatory system	1	2	6	0	9	11.1	33.3
Diarrhea and gastroenteritis of infectious origin	7	0	1	0	8	87.5	87.5
Intrauterine hypoxia and birth asphyxia	3	1	3	0	7	42.9	57.1
Assault (homicide)	0	1	5	0	6	0.0	16.7
Atelectasis	5	0	0	0	5	100.0	100.0
Necrotizing enterocolitis of newborn	3	0	1	0	4	75.0	75.0
Hydrops fetalis not due to hemolytic disease	3	1	0	0	4	75.0	100.0
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	1	0	2	0	3	33.3	33.3
Influenza and pneumonia	0	1	2	0	3	0.0	33.3
Newborn affected by other complications of labor and delivery	3	0	0	0	3	100.0	100.0
Pulmonary hemorrhage originating in the perinatal period	3	0	0	0	3	100.0	100.0
Neonatal hemorrhage	2	1	0	0	3	66.7	100.0
All other causes	27	6	29	1	63	42.9	52.4
<b>TOTAL</b>	<b>258</b>	<b>37</b>	<b>119</b>	<b>1</b>	<b>415</b>	<b>62.2</b>	<b>71.1</b>

*Notes:*

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

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

**TABLE E-9. FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE AND SELECTED RISK MARKERS, DELAWARE , 1995-2015 LIVE BIRTH COHORT**

Parameter/ Race	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015
<b>BIRTHWEIGHT</b>																	
<b>2500+</b>																	
All Races	2.4	2.4	2.5	2.3	2.4	2.5	2.2	2.2	2.3	2.0	1.9	2.2	2.2	2.2	2.2	2.2	2.2
White	2.4	2.3	2.4	2.1	2.0	2.1	1.9	1.7	1.9	1.8	1.7	2.1	2.3	2.2	2.3	2.2	2.1
Black	2.8	2.8	3.0	3.0	3.6	3.9	3.5	3.6	3.5	2.9	2.8	2.7	2.3	2.5	2.5	2.4	2.5
<b>&lt;2500</b>																	
All Races	66.5	69.5	75.2	76.4	74.2	73.1	74.5	69.9	68.8	69.2	70.6	65.5	67.1	68.2	64.6	61.7	64.6
White	53.9	55.9	63.2	68.7	67.4	68.8	68.4	64.3	60.8	60.0	58.5	55.6	54.9	52.8	50.1	50.0	53.5
Black	86.0	88.2	93.7	90.5	88.3	83.0	88.0	80.9	82.2	83.9	89.5	81.6	85.9	89.1	83.1	76.0	79.8
<b>&lt;1500</b>																	
All Races	262.7	270.9	304.8	316.2	302.4	306.2	313.9	289.4	285.8	286.8	279.3	260.8	264.7	267.6	258.6	253.1	267.7
White	219.3	231.5	281.9	303.4	297.2	316.8	321.2	295.3	289.0	280.2	262.0	242.2	233.3	222.0	216.6	219.9	239.6
Black	315.8	312.1	329.8	335.5	317.0	301.5	315.7	289.4	286.0	291.9	298.9	283.9	295.1	309.2	295.4	275.4	290.2
<b>GESTATION</b>																	
<b>37+ weeks</b>																	
All Races	2.6	2.5	2.5	2.3	2.3	2.4	2.2	2.2	2.3	2.0	2.0	2.4	2.6	2.6	2.5	2.6	2.5
White	2.6	2.4	2.3	2.1	1.9	2.0	1.7	1.8	1.9	1.8	1.8	2.4	2.7	2.7	2.6	2.6	2.3
Black	2.7	2.8	3.1	2.9	3.7	4.0	3.4	3.4	3.4	2.9	2.7	2.8	2.7	2.8	2.7	2.8	3.0
<b>&lt;37 weeks</b>																	
All Races	45.9	48.2	53.0	54.3	52.8	52.6	53.5	49.1	47.1	47.0	47.3	43.6	44.3	45.5	44.0	41.5	44.8
White	33.6	35.7	41.8	45.5	45.1	46.5	45.2	40.5	37.5	36.2	34.9	33.0	32.3	30.9	30.3	29.5	33.3
Black	69.6	70.5	73.5	72.5	70.5	67.7	72.7	68.2	66.9	68.3	71.1	64.0	66.3	69.7	65.4	59.8	63.3
<b>&lt;32 weeks</b>																	
All Races	201.3	214.9	238.1	249.6	238.7	239.4	249.1	232.4	220.4	220.4	216.9	195.0	195.7	198.7	190.8	178.9	189.6
White	174.0	191.5	228.4	249.2	238.2	244.0	248.3	223.0	202.7	193.2	184.8	159.9	153.0	144.2	140.1	134.2	150.4
Black	235.6	238.7	250.4	255.4	246.3	239.8	259.4	250.0	246.4	255.2	258.8	237.4	240.9	250.4	234.6	215.0	227.6
<b>PLURALITY</b>																	
<b>Single</b>																	
All Races	6.8	6.9	7.3	7.3	7.3	7.5	7.4	7.1	7.2	7.0	7.0	7.0	7.0	6.9	6.7	6.3	6.4
White	5.1	4.9	5.2	5.4	5.2	5.6	5.4	5.1	5.2	5.2	4.9	5.4	5.4	5.1	4.9	4.7	4.7
Black	12.2	12.9	13.4	13.4	13.8	13.5	13.6	13.0	12.8	12.2	12.7	11.8	11.6	11.7	11.3	10.4	10.8
<b>Plural</b>																	
All Races	41.6	45.4	53.1	52.9	52.3	50.3	52.0	47.0	44.0	40.3	41.0	32.6	34.2	35.0	34.5	36.1	42.6
White	28.6	35.1	43.4	48.0	50.3	49.2	49.9	44.0	36.6	29.6	30.6	23.0	23.5	23.2	25.6	30.5	38.2
Black	84.6	73.0	80.7	68.5	60.8	54.1	64.6	59.1	63.5	67.7	69.5	54.4	55.5	60.4	50.4	44.5	51.2
<b>SMOKING DURING PREGNANCY</b>																	
<b>No</b>																	
All Races	7.4	7.6	8.1	8.0	8.2	8.2	8.2	7.9	7.7	7.4	7.6	7.4	7.4	7.4	7.2	6.7	6.9
White	5.3	5.3	5.7	5.8	5.9	6.2	6.1	6.0	5.7	5.4	5.3	5.6	5.5	5.4	5.2	4.9	5.0
Black	14.0	14.3	15.3	14.8	15.0	14.3	14.7	13.7	13.4	13.2	13.9	12.9	12.9	13.2	12.3	11.3	11.8
<b>Yes</b>																	
All Races	10.6	11.3	13.4	15.1	14.1	14.8	15.1	13.4	13.9	13.3	12.1	10.7	10.8	10.0	9.7	10.7	11.5
White	9.3	9.8	12.2	14.2	12.7	13.3	13.0	10.2	10.7	10.7	8.9	8.2	8.9	7.6	7.2	9.3	10.4
Black	16.3	17.3	18.0	18.9	19.4	19.5	22.0	23.9	23.8	21.2	21.5	17.5	15.8	15.9	15.7	14.1	14.6

See footnotes at the end of the tables



**TABLE E-9. FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE AND SELECTED RISK MARKERS, DELAWARE, 1995-2015 LIVE BIRTH COHORT (continued)**

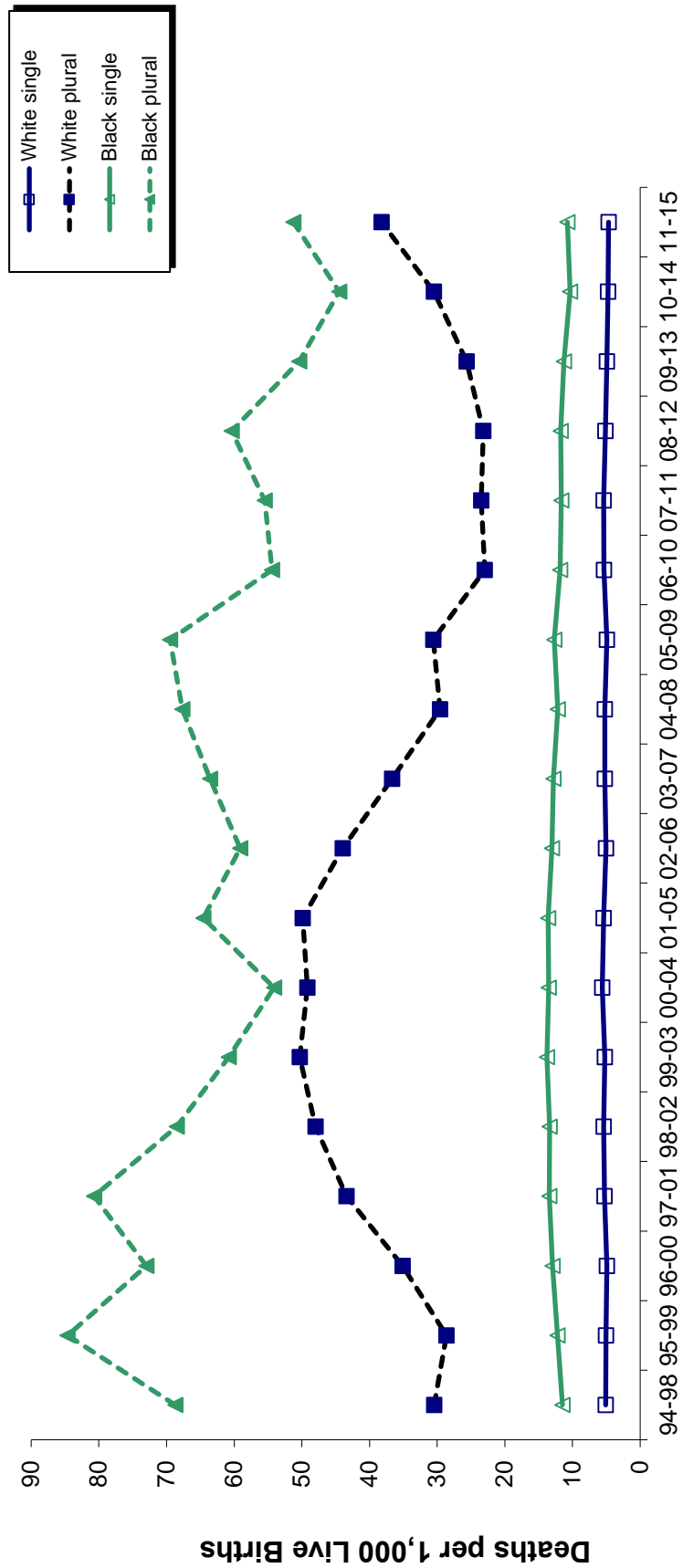
Parameter/ Race	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015
<b>EDUCATION</b>																	
<b>HS Grad or less</b>																	
All Races	10.4	10.3	11.1	11.5	11.4	11.4	11.1	10.7	10.8	10.1	10.0	10.0	10.0	9.5	9.5	8.8	9.3
White	8.0	7.8	8.4	9.1	8.8	9.1	8.7	8.3	8.4	7.8	7.6	7.7	7.6	6.7	6.7	6.4	7.0
Black	15.8	15.6	16.8	16.9	17.2	16.9	17.2	16.6	16.4	15.4	15.4	14.8	14.8	15.1	14.7	13.3	13.8
<b>1+ yrs college</b>																	
All Races	4.9	5.5	6.1	6.0	6.0	6.0	6.3	5.8	5.4	5.6	5.9	5.6	5.8	6.2	5.7	5.7	5.9
White	3.6	4.1	4.6	4.7	4.7	5.0	5.0	4.5	4.1	4.2	4.1	4.3	4.6	4.9	4.6	4.7	4.7
Black	11.8	13.5	13.9	12.6	12.2	11.0	12.0	11.1	10.9	11.4	13.1	11.2	10.8	11.0	9.6	8.9	9.6
<b>PAYMENT FOR DELIVERY</b>																	
<b>Medicaid</b>																	
All Races	10.9	9.9	10.6	10.1	9.5	9.8	10.2	9.6	10.4	10.2	9.9	9.5	9.3	8.8	8.5	8.2	8.7
White	9.1	7.7	8.6	8.3	7.1	7.5	7.7	7.1	8.0	8.0	7.5	7.5	7.0	6.3	6.0	6.1	6.7
Black	13.6	13.1	13.8	13.0	13.3	13.7	14.7	14.0	14.4	14.1	14.1	13.0	13.3	13.3	12.8	11.8	12.2
<b>Private Insurance</b>																	
All Races	5.7	6.5	6.8	7.4	7.7	7.8	7.6	7.4	6.7	6.4	6.6	6.4	6.4	6.6	6.4	6.2	6.2
White	4.3	4.9	5.2	5.7	5.9	6.1	5.8	5.6	5.0	4.6	4.5	4.7	5.0	4.9	4.9	4.7	4.5
Black	13.7	14.8	15.6	16.5	17.1	16.9	17.0	16.6	15.3	15.0	16.4	14.8	13.7	14.6	13.0	11.7	12.7

*Notes:*

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

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

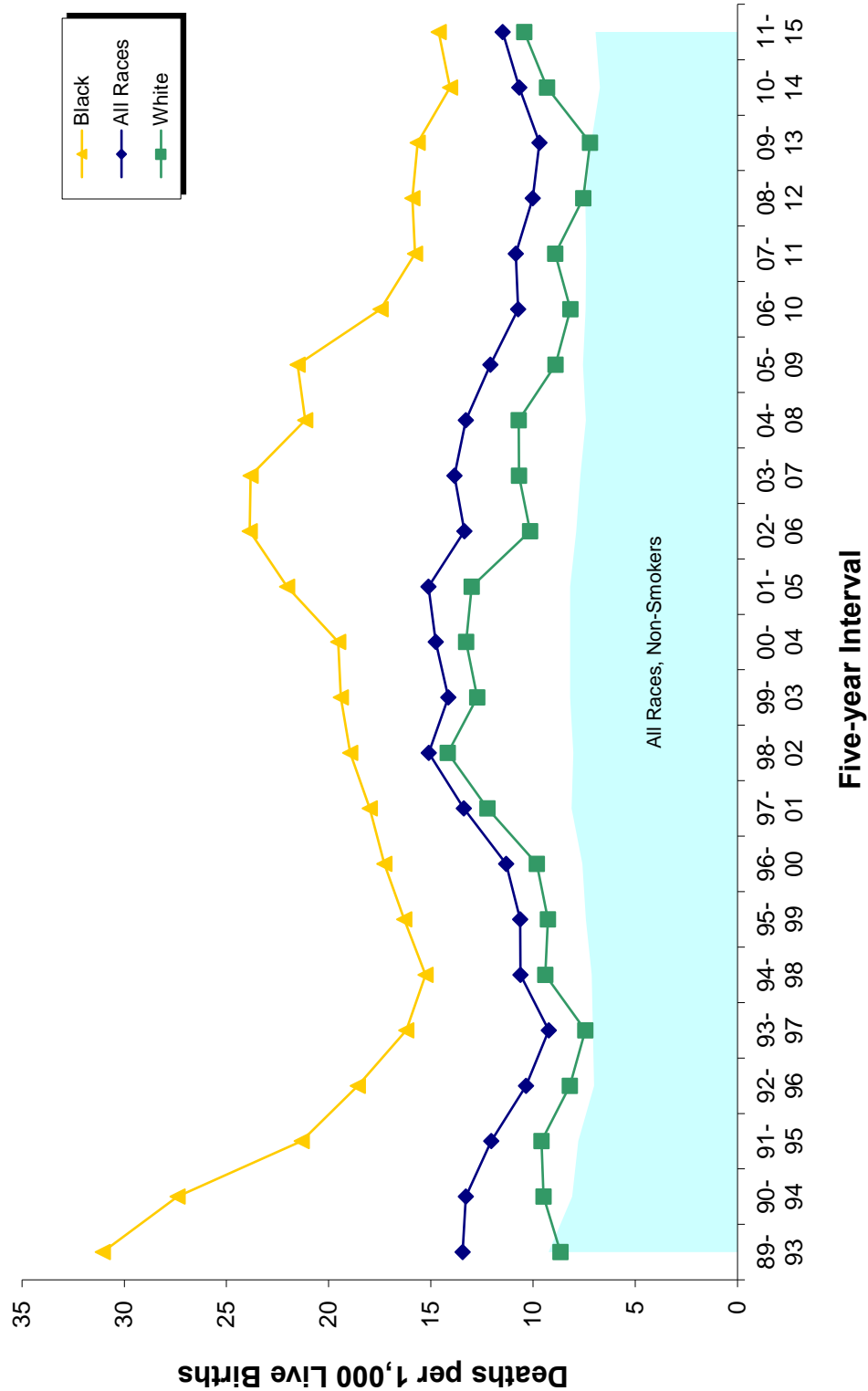
**Figure E-5. Five-year Average Infant Mortality Rates by Race and Plurality, Delaware, 1994-2015**  
**Live Birth Cohort**



**Five-year Interval**

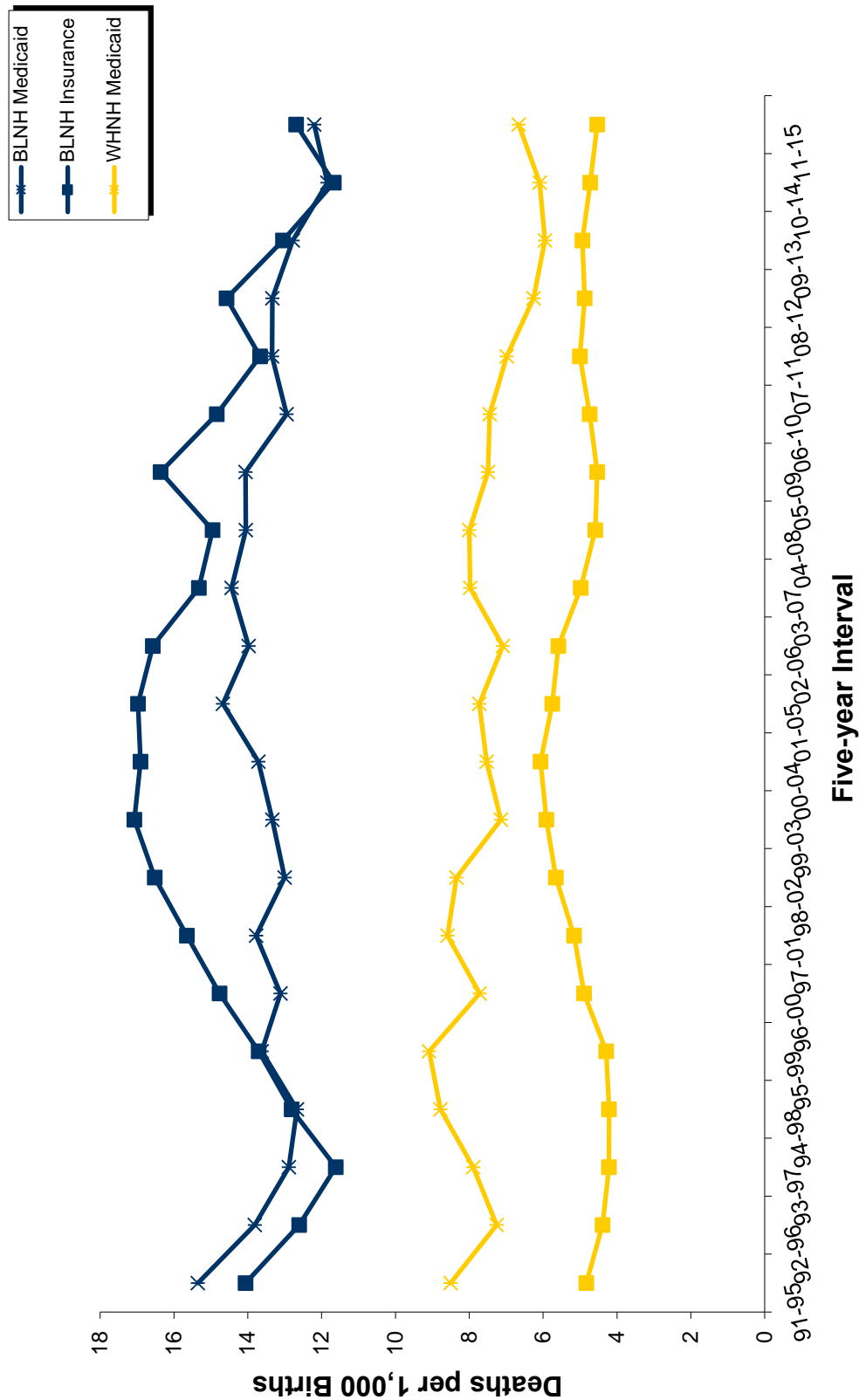
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure E-6. Five-year Average Infant Mortality Rates by Race of Mothers who Smoked during Pregnancy versus all Non-smoking Mothers, Delaware, 1989-2015 Live Birth Cohort**



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

**Figure E-7. Five-year Average Infant Mortality Rates by Race and Source of Payment for Delivery, Delaware, 1991-2015 Live Birth Cohort**



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, 2011-2015 LIVE BIRTH COHORT**

Plurality/ Birth Weight	Race and Sex										
	All Races			White			Black			Other	
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male
<b>All Births</b>	415	229	186	206	108	98	185	105	80	24	16
<2500	304	174	130	133	77	56	152	85	67	19	12
<1500	264	156	108	109	65	44	139	82	57	16	9
<500	135	77	58	44	26	18	82	47	35	9	4
500-999	109	69	40	51	32	19	52	33	19	6	4
1000-1499	20	10	10	14	7	7	5	2	3	1	1
1500-1999	15	7	8	8	4	4	5	1	4	2	2
2000-2499	25	11	14	16	8	8	8	2	6	1	1
2500+	110	55	55	72	31	41	33	20	13	5	4
2500-2999	43	22	21	30	14	16	10	5	5	3	3
3000-3499	36	15	21	21	6	15	13	8	5	2	1
3500-3999	22	12	10	15	8	7	7	4	3	0	0
4000-4499	8	5	3	5	2	3	3	3	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	1	0	1	1	0	1	0	0	0	0	0
<b>Single Births</b>	341	186	155	165	87	78	156	86	70	20	13
<2500	237	134	103	98	59	39	124	66	58	15	9
<1500	201	119	82	76	49	27	113	64	49	12	6
<500	101	56	45	31	20	11	64	34	30	6	2
500-999	85	56	29	35	24	11	44	28	16	6	4
1000-1499	15	7	8	10	5	5	5	2	3	0	0
1500-1999	13	5	8	7	3	4	4	0	4	2	2
2000-2499	23	10	13	15	7	8	7	2	5	1	1
2500+	103	52	51	66	28	38	32	20	12	5	4
2500-2999	41	21	20	29	13	16	9	5	4	3	3
3000-3499	33	14	19	18	5	13	13	8	5	2	1
3500-3999	20	11	9	13	7	6	7	4	3	0	0
4000-4499	8	5	3	5	2	3	3	3	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	1	0	1	1	0	1	0	0	0	0	0
<b>Plural Births</b>	74	43	31	41	21	20	29	19	10	4	3
<2500	67	40	27	35	18	17	28	19	9	4	3
<1500	63	37	26	33	16	17	26	18	8	4	3
<500	34	21	13	13	6	7	18	13	5	3	2
500-999	24	13	11	16	8	8	8	5	3	0	0
1000-1499	5	3	2	4	2	2	0	0	0	1	1
1500-1999	2	2	0	1	1	0	1	1	0	0	0
2000-2499	2	1	1	1	1	0	1	0	1	0	0
2500+	7	3	4	6	3	3	1	0	1	0	0
2500-2999	2	1	1	1	1	0	1	0	1	0	0
3000-3499	3	1	2	3	1	2	0	0	0	0	0
3500-3999	2	1	1	2	1	1	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0

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

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

**TABLE E-11. NUMBER OF NEONATAL DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER, AND SEX OF CHILD, DELAWARE, 2011-2015 LIVE BIRTH COHORT**

Plurality/ Birth Weight	Race and Sex										
	All Races			White			Black			Other	
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male
<b>All Births</b>	312	181	131	140	81	59	151	87	64	21	13
<2500	267	152	115	111	63	48	139	79	60	17	10
<1500	250	145	105	102	58	44	133	79	54	15	8
<500	135	77	58	44	26	18	82	47	35	9	4
500-999	100	61	39	46	27	19	49	31	18	5	3
1000-1499	15	7	8	12	5	7	2	1	1	1	1
1500-1999	6	2	4	2	1	1	3	0	3	1	1
2000-2499	11	5	6	7	4	3	3	0	3	1	1
2500+	45	29	16	29	18	11	12	8	4	4	3
2500-2999	20	13	7	15	8	7	2	2	0	3	3
3000-3499	10	6	4	3	3	0	6	3	3	1	0
3500-3999	9	7	2	6	5	1	3	2	1	0	0
4000-4499	5	2	3	4	1	3	1	1	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Single Births</b>	248	143	105	106	64	42	125	69	56	17	10
<2500	205	116	89	79	48	31	113	61	52	13	7
<1500	189	110	79	71	44	27	107	61	46	11	5
<500	101	56	45	31	20	11	64	34	30	6	2
500-999	76	48	28	30	19	11	41	26	15	5	3
1000-1499	12	6	6	10	5	5	2	1	1	0	0
1500-1999	6	2	4	2	1	1	3	0	3	1	1
2000-2499	10	4	6	6	3	3	3	0	3	1	1
2500+	43	27	16	27	16	11	12	8	4	4	3
2500-2999	19	12	7	14	7	7	2	2	0	3	3
3000-3499	9	5	4	2	2	0	6	3	3	1	0
3500-3999	9	7	2	6	5	1	3	2	1	0	0
4000-4499	5	2	3	4	1	3	1	1	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Plural Births</b>	64	38	26	34	17	17	26	18	8	4	3
<2500	62	36	26	32	15	17	26	18	8	4	3
<1500	61	35	26	31	14	17	26	18	8	4	3
<500	34	21	13	13	6	7	18	13	5	3	2
500-999	24	13	11	16	8	8	8	5	3	0	0
1000-1499	3	1	2	2	0	2	0	0	0	1	1
1500-1999	0	0	0	0	0	0	0	0	0	0	0
2000-2499	1	1	0	1	1	0	0	0	0	0	0
2500+	2	2	0	2	2	0	0	0	0	0	0
2500-2999	1	1	0	1	1	0	0	0	0	0	0
3000-3499	1	1	0	1	1	0	0	0	0	0	0
3500-3999	0	0	0	0	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0

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

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

The background of the slide features a pattern of approximately 15 parallel, diagonal grey lines. These lines are evenly spaced and run from the top-left towards the bottom-right, creating a textured, grid-like effect.

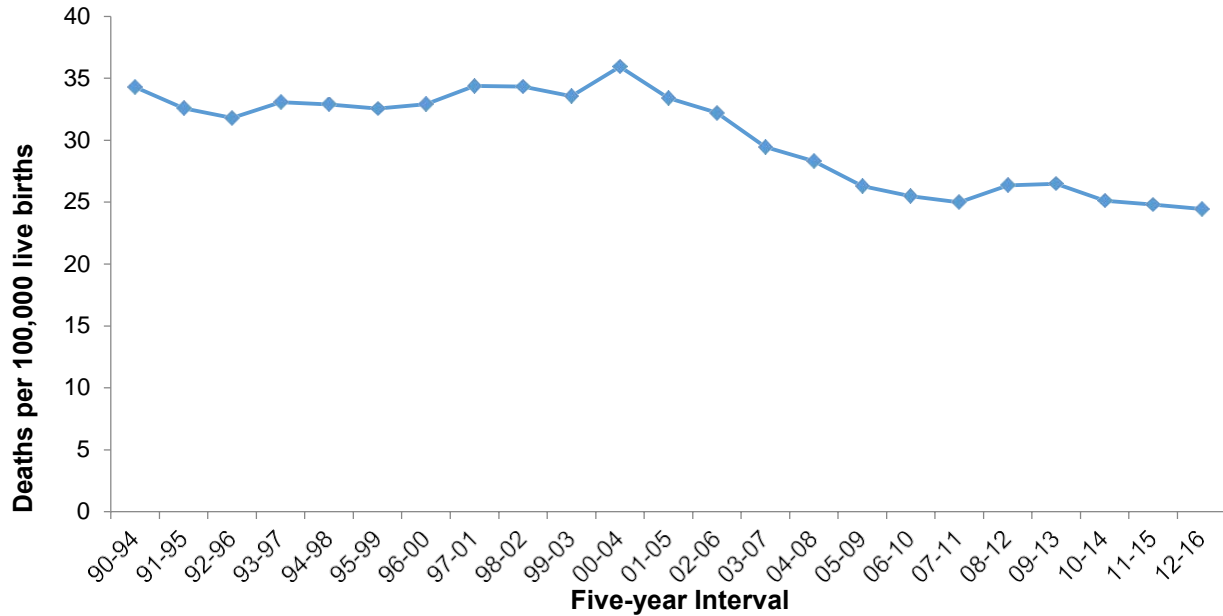
# **Mortality**

## CHILD MORTALITY

For 2012-2016, 275 children and adolescents between the ages of 1 and 19 died in Delaware, representing 0.7 percent of the total deaths that occurred during that time. Males accounted for 67 percent of all child deaths in 2012-2016.

After small fluctuations throughout the 1990s, the mortality rate for children ages 1 to 19 began to decline. Since its peak of 35.9 in 2000-2004, the rate has decreased 32 percent, to 24.5 deaths per 100,000 children in 2012-2016

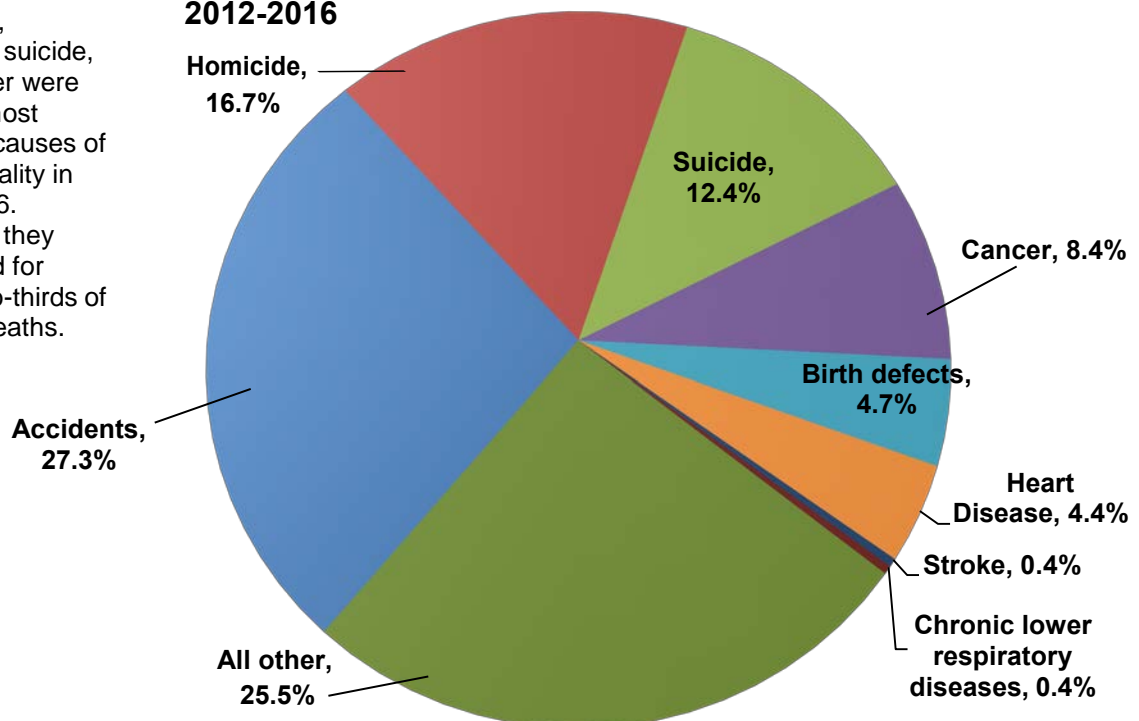
**Figure 41. Five-year Average Child (1-19) Mortality Rates, Delaware, 1990-2016**



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

**Figure 42. Leading Causes of Child Mortality, Delaware, 2012-2016**

Accidents, homicide, suicide, and cancer were the four most common causes of child mortality in 2012-2016. Together, they accounted for nearly two-thirds of all child deaths.



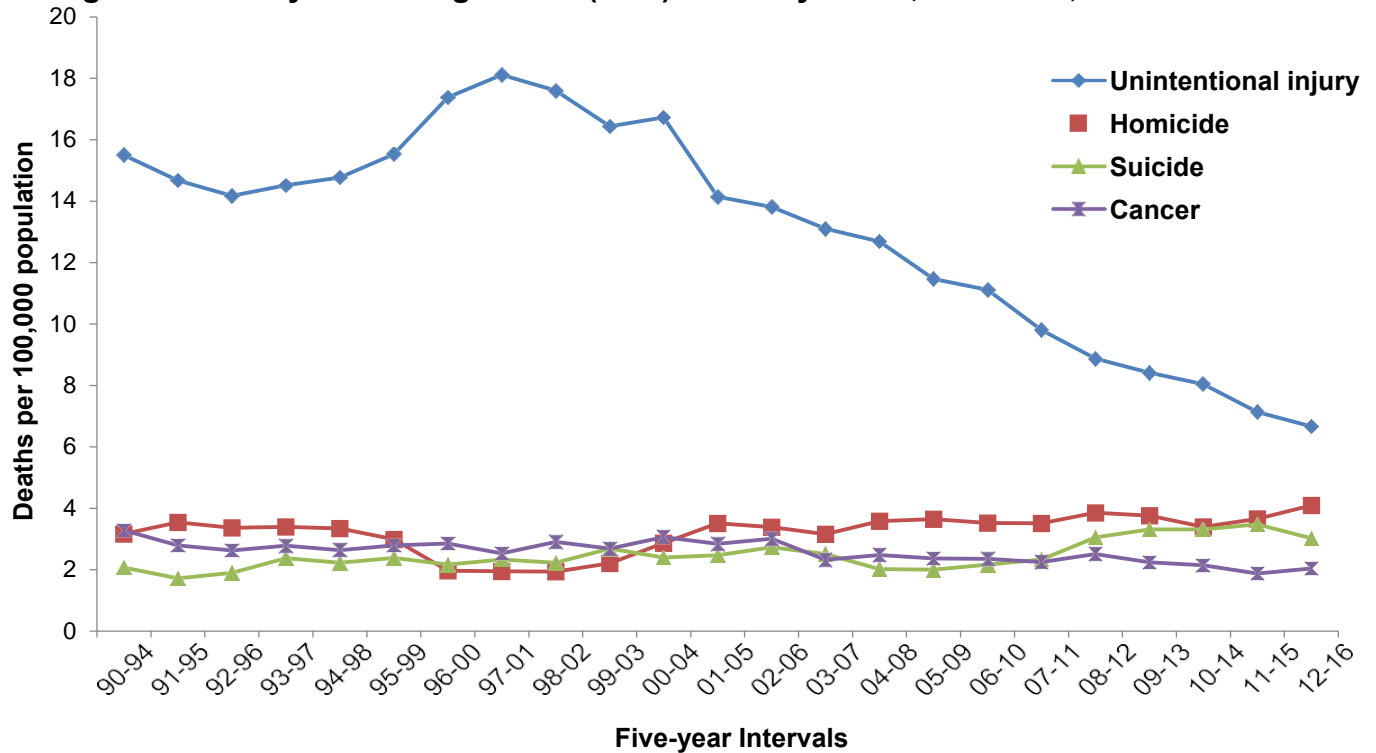
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center



## CHILD MORTALITY

From 2002-2006 to 2012-2016, rates for two of the four leading causes of mortality in children ages 1-19 declined. Unintentional injury mortality rates declined 51 percent; cancer mortality rates fell 33 percent; and homicide mortality rates increased by 21 percent. Suicide mortality rates increased 11 percent to 3.0 deaths per 100,000 children.

**Figure 43. Five-year Average Child (1-19) Mortality Rates, Delaware, 1990-2016**



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

The most common causes of child deaths in 2012-2016 are:

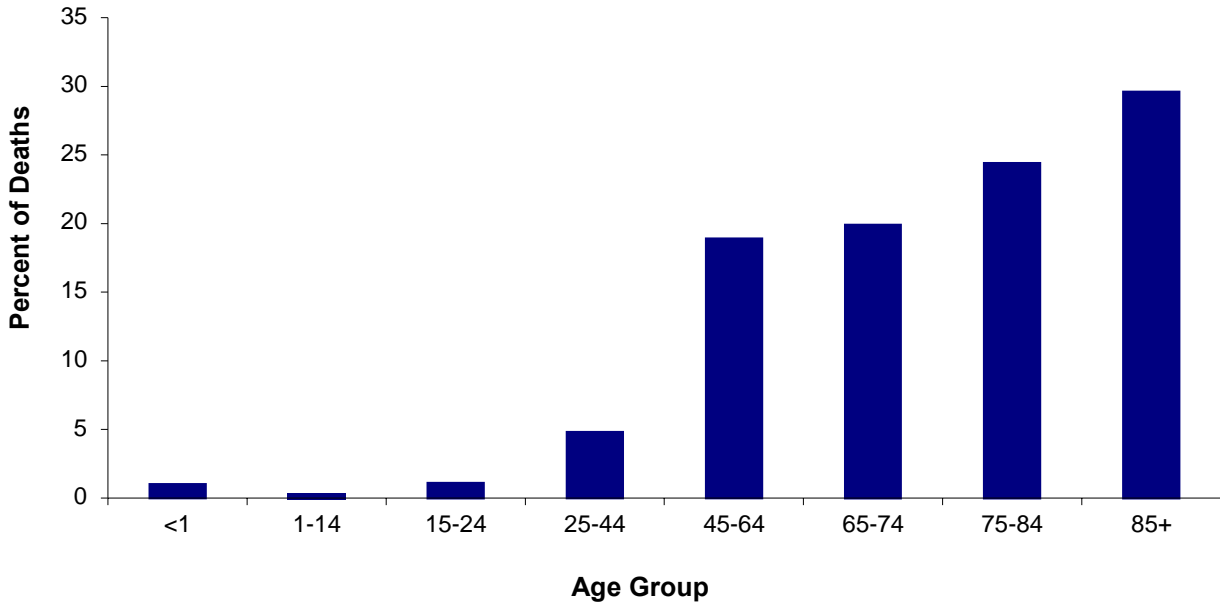
- Motor vehicle crashes accounted for 55 percent of all deaths due to unintentional injuries. The second and third most common causes of unintentional injury deaths of children were poisoning and drowning, which accounted for 19 and 11 percent of deaths, respectively.
- Most child homicides were due to firearms (74 percent) and suffocation (4.3 percent).
- The majority of child cancer deaths were due to brain cancer (48 percent) and leukemia (13 percent).
- Suffocation, followed by firearms, were the most common methods of suicide, and accounted for 53 and 27 percent of the total suicide deaths.

## MORTALITY

More Delaware residents died in 2016 than in 2015. A total of 8,872 residents died, 87 of whom were infants under the age of 1. Deaths were split almost equally between males and females. Cancer and heart disease were the most common causes of death, accounting for 46 percent of all deaths in 2016.

- Thirty percent of the Delawareans who died in 2016 were 85 or older. Deaths of those 75 and older accounted for more than half of all deaths.

**Figure 44. Percent of Deaths by Age, Delaware, 2016**



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

- A Delaware resident born in 2016 could expect to live an average of 78.8 years.
- Life expectancy at birth varied by race and sex; white females had the highest life expectancy (82.1) while black males had the lowest (72.1).
- In 1989, 80 percent of Delaware decedents were buried and 15 percent were cremated. By 2016, the distribution had shifted: 45 percent of decedents were buried and 50 percent were cremated.
- In 2016, cancer was the leading cause of death in Delaware. Heart disease, stroke, and accidents are in the top five, while diabetes is the ninth leading cause of death.

**Figure 45. Number of Deaths by Leading Cause, Delaware, 2016**

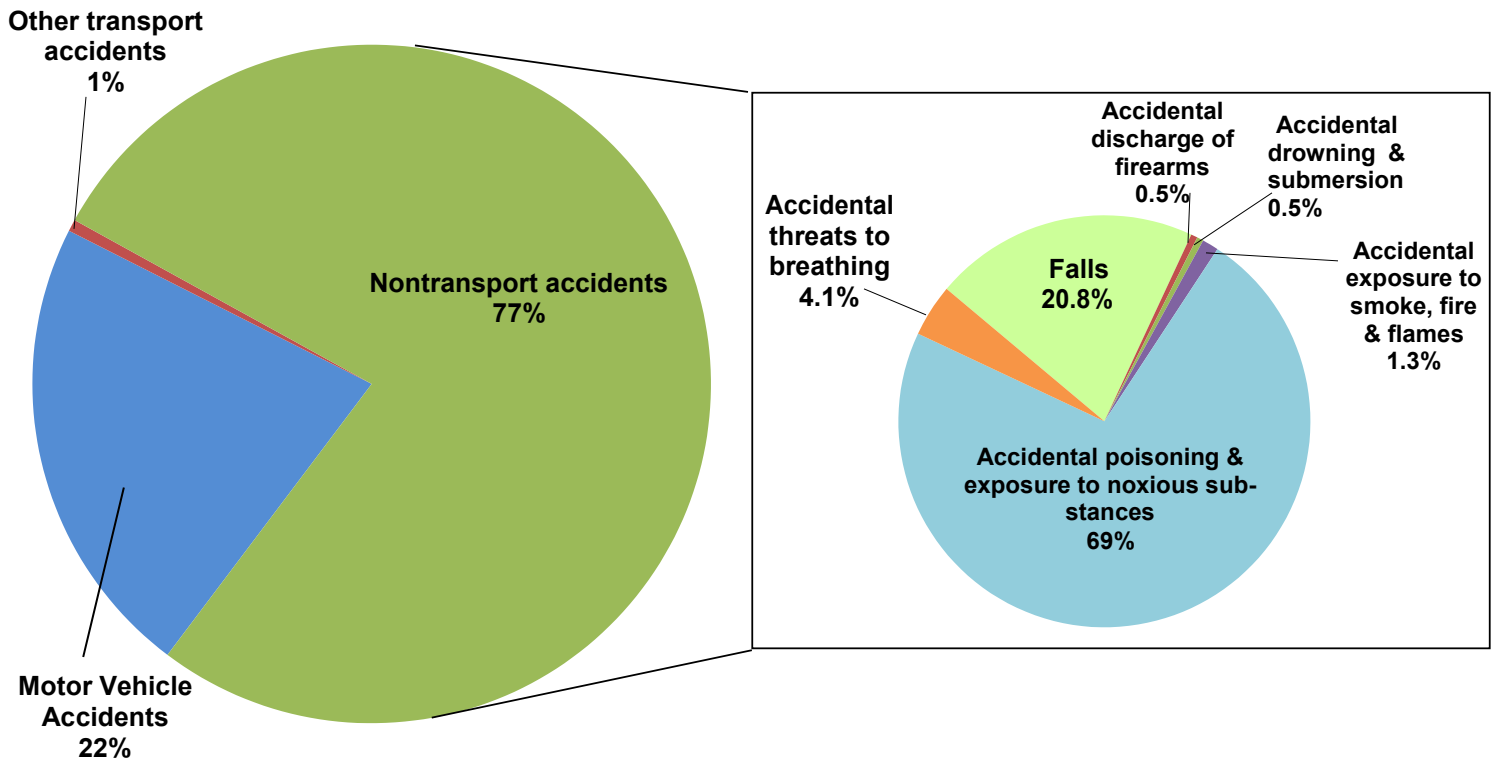
Rank	Leading Cause of Death	Number
1	Malignant neoplasms	2,125
2	Diseases of heart	1,955
3	Chronic lower respiratory diseases	540
4	Accidents (unintentional injuries)	534
5	Cerebrovascular diseases	503
6	Dementia	443
7	Alzheimer's disease	329
8	Nephritis, nephrotic syndrome & nephrosis	208
9	Diabetes mellitus	203
10	Septicemia	143

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

## MORTALITY

- Of the 534 deaths due to unintentional injury in 2016 (6 percent of all deaths), 22 percent were due to motor vehicle accidents and 77 percent were due to non-transport accidents. More than two thirds (69 percent) of the 411 non-transport accidents were caused by unintentional poisonings; the majority (97 percent) of unintentional poisonings were drug-induced poisonings.
- For the eighth year, unintentional poisonings surpassed motor vehicle injuries and became the leading cause of unintentional injury death in 2016.
  - Poisonings caused the most unintentional injuries for black and white males and females. The second highest unintentional injuries were motor vehicle traffic accidents for both black and white males and black females. Falls were the second highest unintentional injuries for white females.
- In 2012-2016, accidents were the number one cause of deaths for people 1-44 years of age, and they were responsible for 42 percent of all deaths of people 15-24 years of age. For decedents ages 15-24, accidents, homicides, and suicides were the three most frequent causes of death and accounted for more than three-quarters of total deaths.

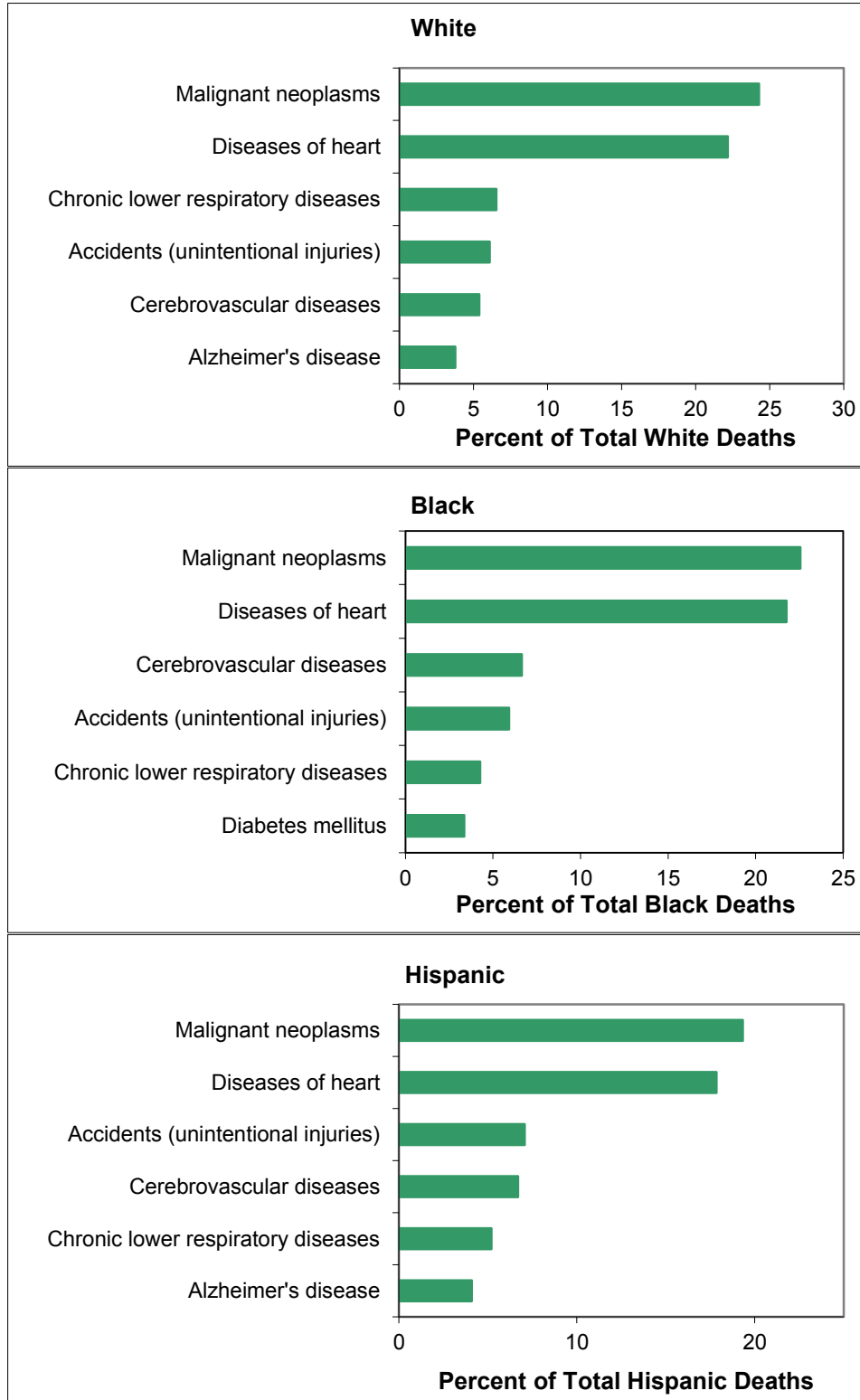
**Figure 46. Accidental Causes of Death by Specific Cause of Injury, Delaware, 2016**



*Note: Classification of causes of death are specified in the Technical Notes and Appendices section of the report.  
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center*

The leading causes of death varied by race and ethnic group. In 2016, the most common causes of death for white, black, and Hispanic Delawareans were:

**Figure 47. Leading Causes of Death by Race and Ethnicity, Delaware, 2016**



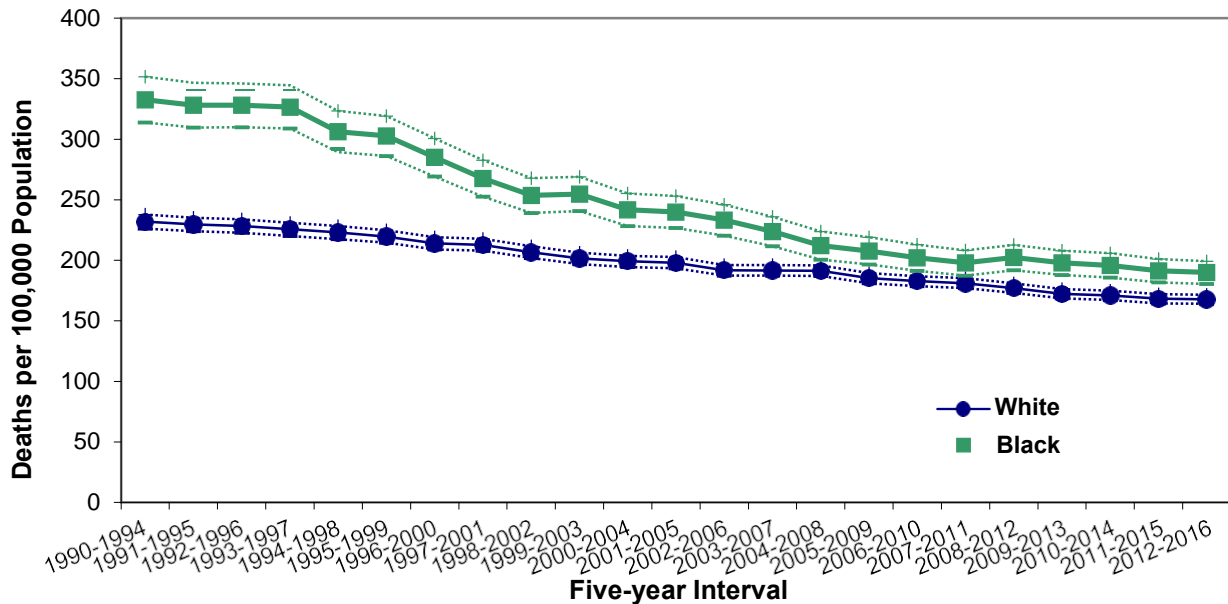
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## MORTALITY

Cancer mortality rates have decreased in all three counties since the early 1990s. In 2012-2016, the five-year age-adjusted cancer mortality rates were 160.1 in Sussex County, 165.6 in New Castle County, and in Kent County 197.0 deaths per 100,000 population. The cancer mortality rate in Wilmington exceeded all counties at 209.5 deaths per 100,000 population.

Cancer mortality rates for black and white decedents followed the same declining trend, and though the gap between black and white cancer mortality rates has narrowed, black cancer mortality rates in 2012-2016 remained higher than white rates (189.9 and 167.8 deaths per 100,000 population).

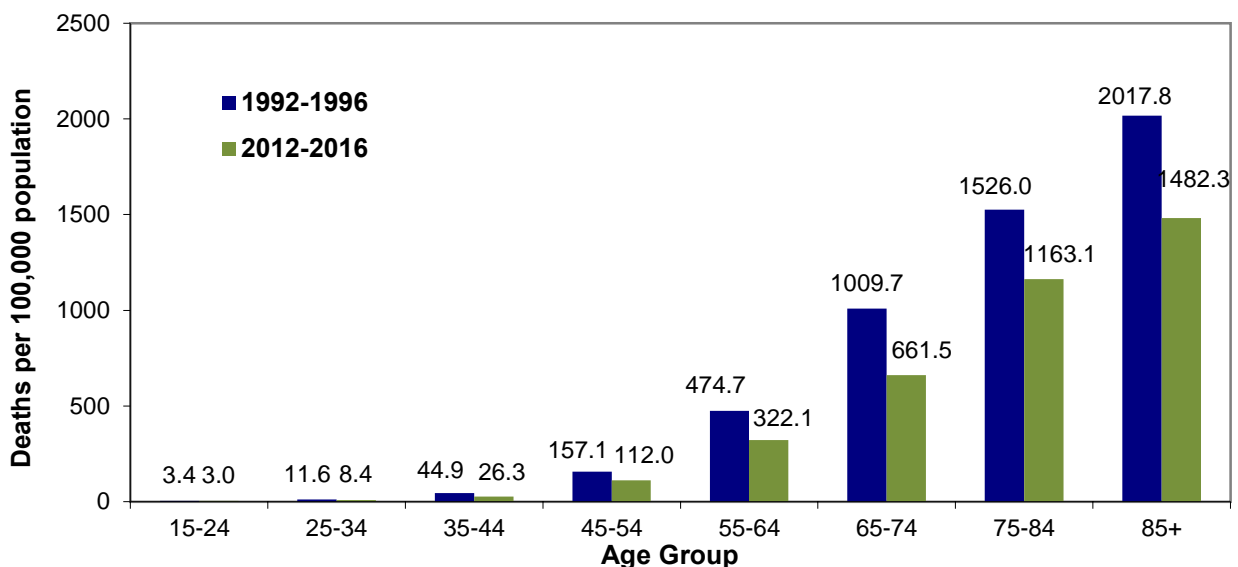
**Figure 48. Five-year Age-Adjusted Cancer Mortality Rates by Race, Delaware, 1990-2016**



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

The same decreases seen in the age-adjusted cancer mortality rates were reflected in the age-specific rates as well. Cancer mortality rates declined for all age groups between 1992-1996 and 2012-2016. The 65-74 and 55-64 age groups experienced the largest decreases.

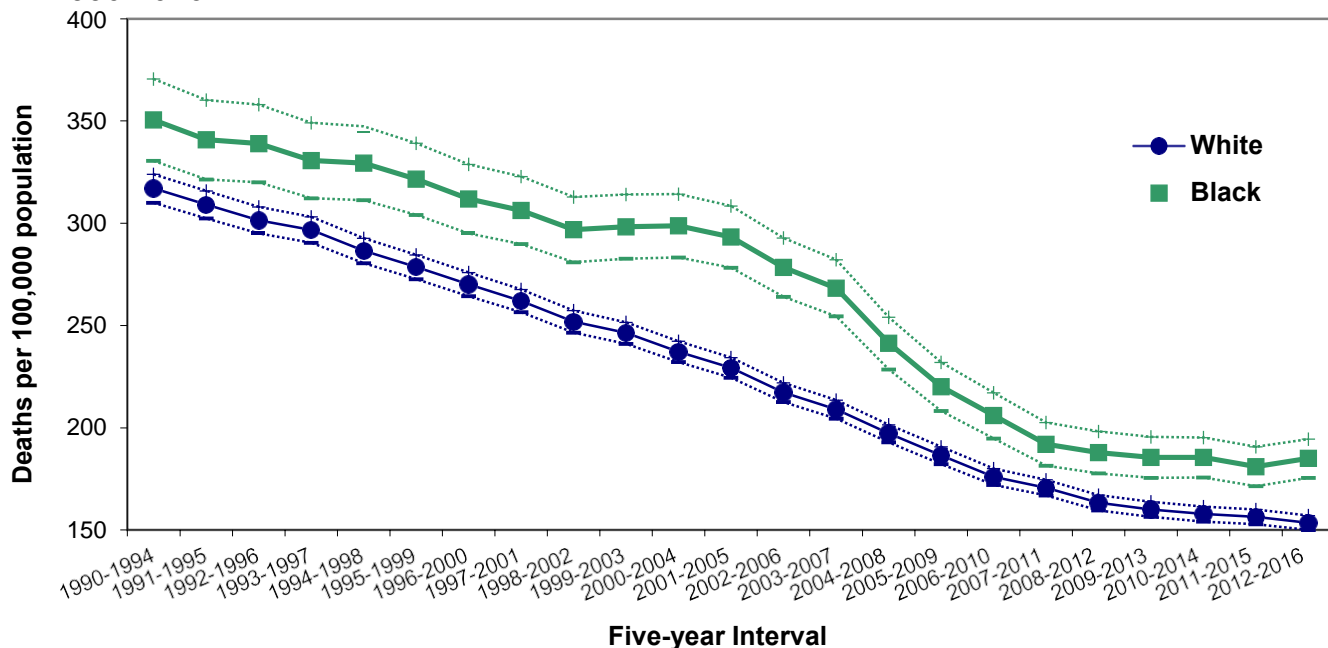
**Figure 49. Five-year Average Age-Specific Cancer Mortality Rates, Delaware, 1992-1996 and 2012-2016**



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

Heart disease was the second most common cause of death for both black and white Delawareans in 2012-2016. Both black and white heart disease mortality rates have declined significantly since 1990-1994, with white rates declining 51.6 percent and black rates declining 47.2 percent.

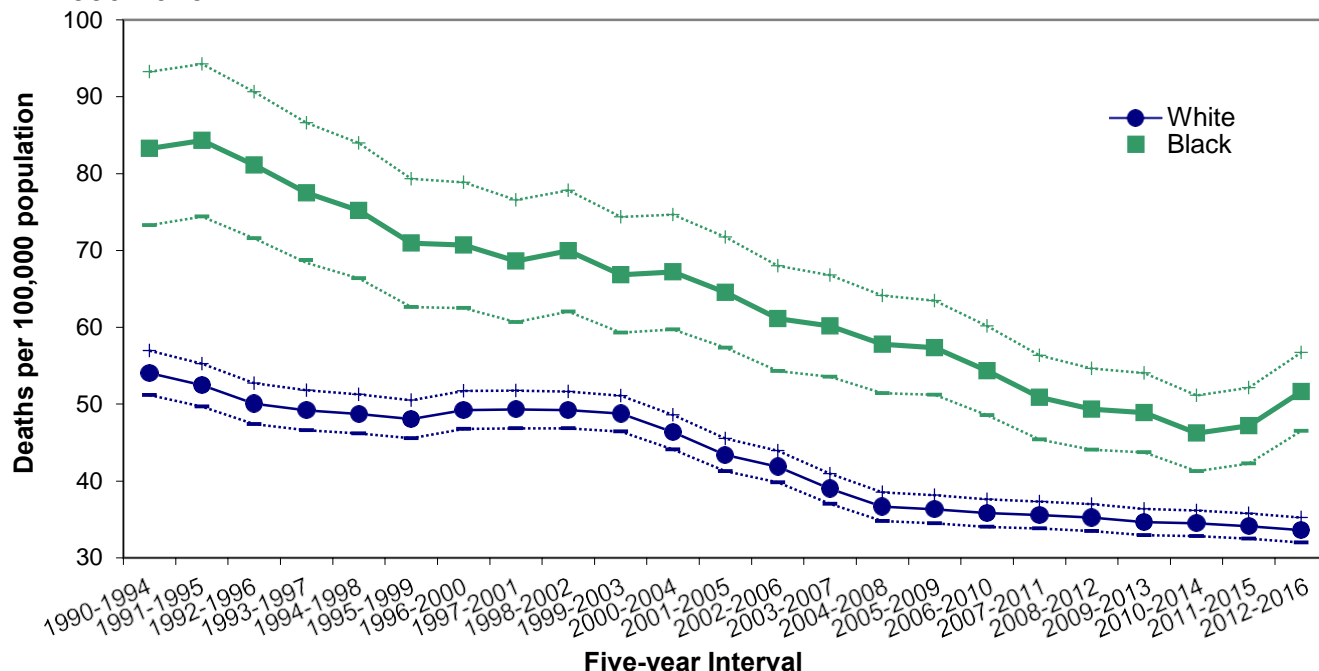
**Figure 50. Five-year Age-Adjusted Heart Disease Mortality Rates by Race, Delaware, 1990-2016**



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

Stroke mortality rates for both races continued their declining trends between 1990-1994 and 2012-2016, with white rates decreasing 38 and black rates declining 38 percent. In 2012-2016, the black stroke mortality rate of 51.6 deaths per 100,000 population remained approximately 35 percent higher than the white rate of 33.6 deaths per 100,000 population.

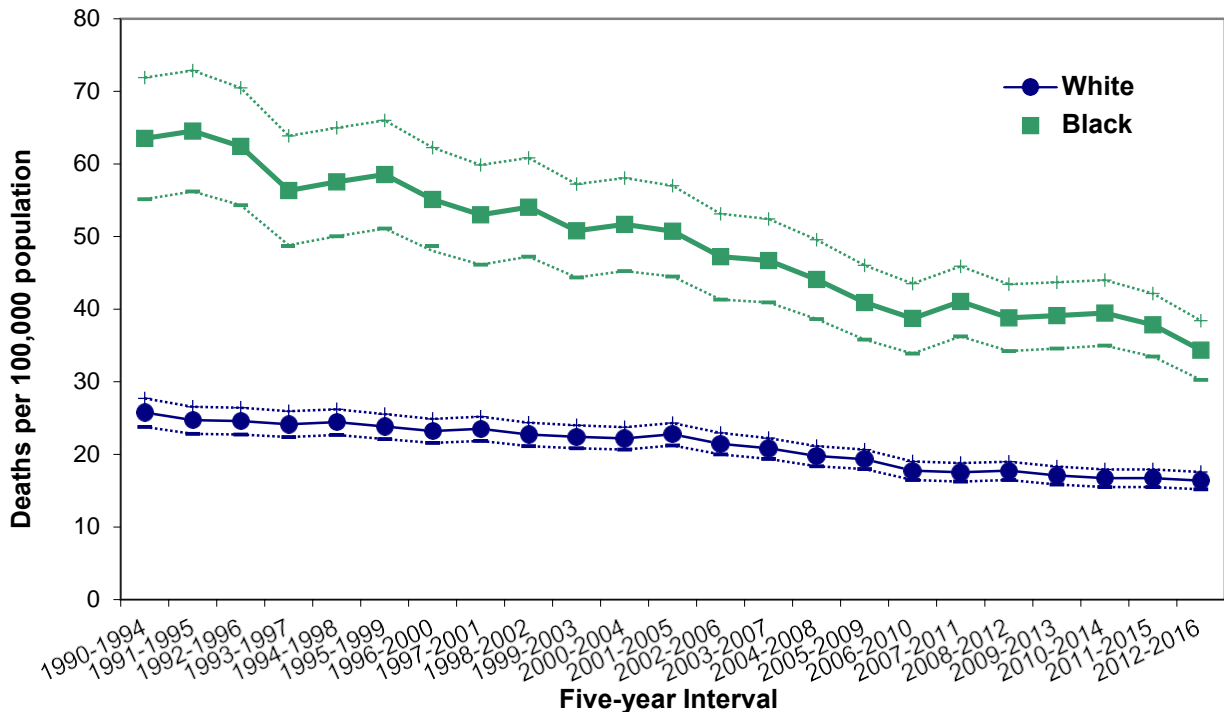
**Figure 51. Five-year Age-Adjusted Stroke Mortality Rates by Race, Delaware, 1990-2016**



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

Though black mortality rates for diabetes have declined 46 percent since 1990-1994, their rates were double that of whites in 2012-2016.

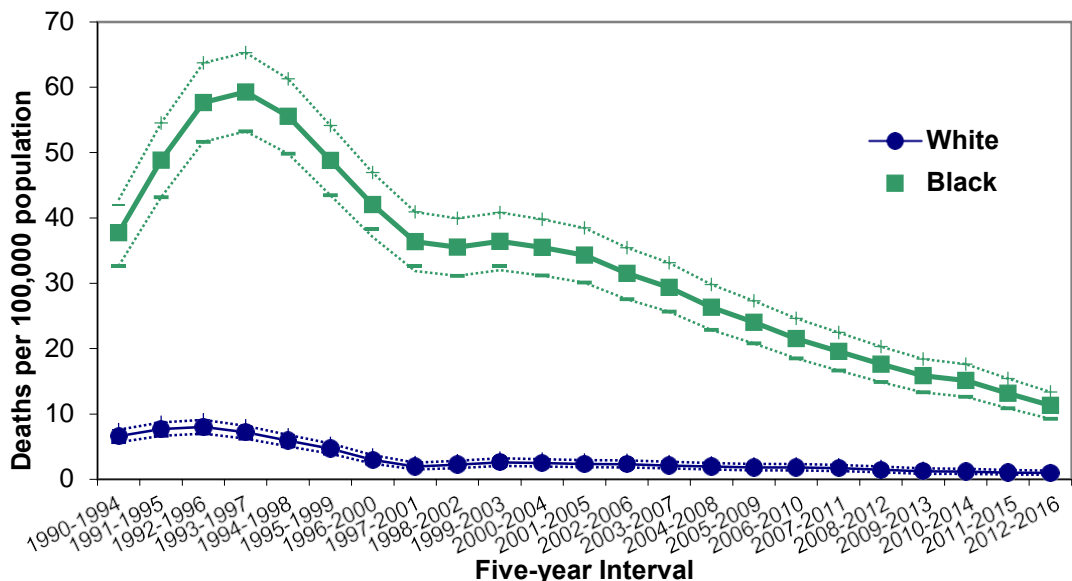
**Figure 52. Five-year Age-Adjusted Diabetes Mortality Rates by Race, Delaware, 1990-2016**



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

HIV/AIDS mortality has disproportionately affected Delaware’s black population. Despite black HIV/AIDS mortality rates decreasing significantly since the 1993-1997 peak, their 2012-2016 mortality rate of 11.3 deaths per 100,000 population was more than 11 times that of whites. Though they made up only 22 percent of the total Delaware population in 2012-2016, black decedents accounted for 76 percent of all deaths due to HIV/AIDS.

**Figure 53. Five-year Age-Adjusted HIV/AIDS Mortality Rates by Race, Delaware, 1990-2016**

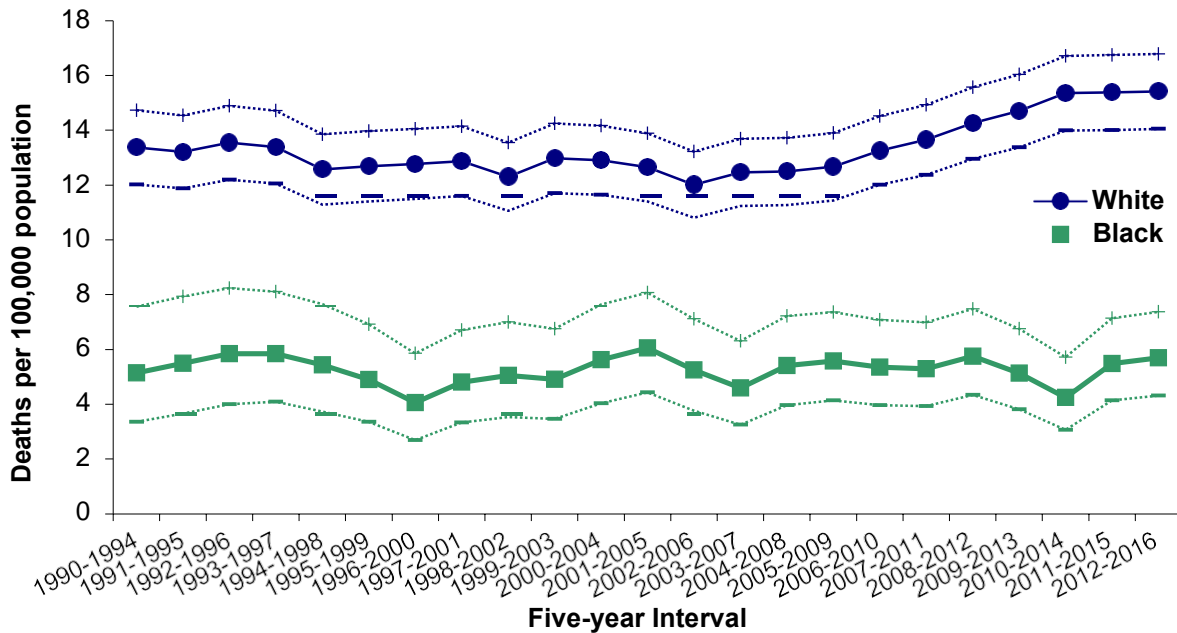


In 2012-2016, HIV was the twelfth leading cause of death for male Delawareans; it ranked ninth for black males and twelfth for black females.

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

Suicide mortality trends for white populations increased 15 percent between 1990-1994 and 2012-2016, with the white rate (15.4 deaths per 100,000 population) nearly triple the black rate (5.7 deaths per 100,000 population).

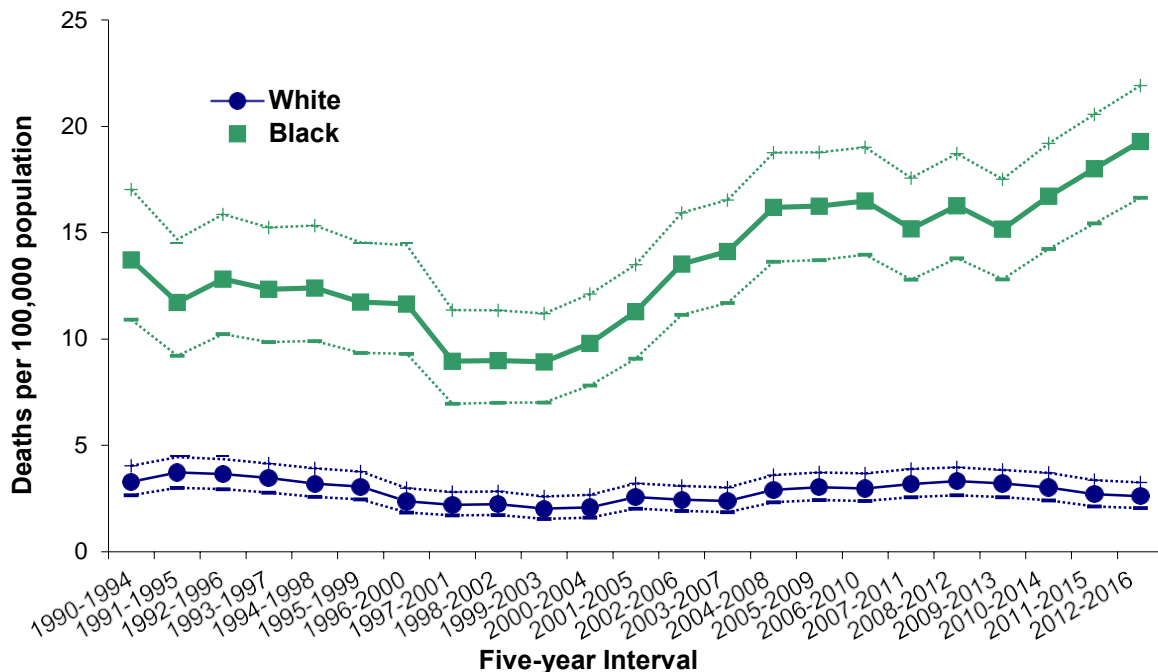
**Figure 54. Five-year Age-Adjusted Suicide Mortality Rates by Race, Delaware, 1990-2016**



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

After declining throughout most of the 1990s and reaching their lowest point in 1999-2003, homicide mortality rates have risen 97 percent to 6.9 deaths per 100,000 population in 2012-2016. During the same time period, the black homicide rate increased 116 percent to 19.3 and the white homicide mortality rate increased 30 percent to 2.6 deaths per 100,000 population.

**Figure 55. Five-year Age-Adjusted Homicide Mortality Rates by Race, Delaware, 1990-2016**



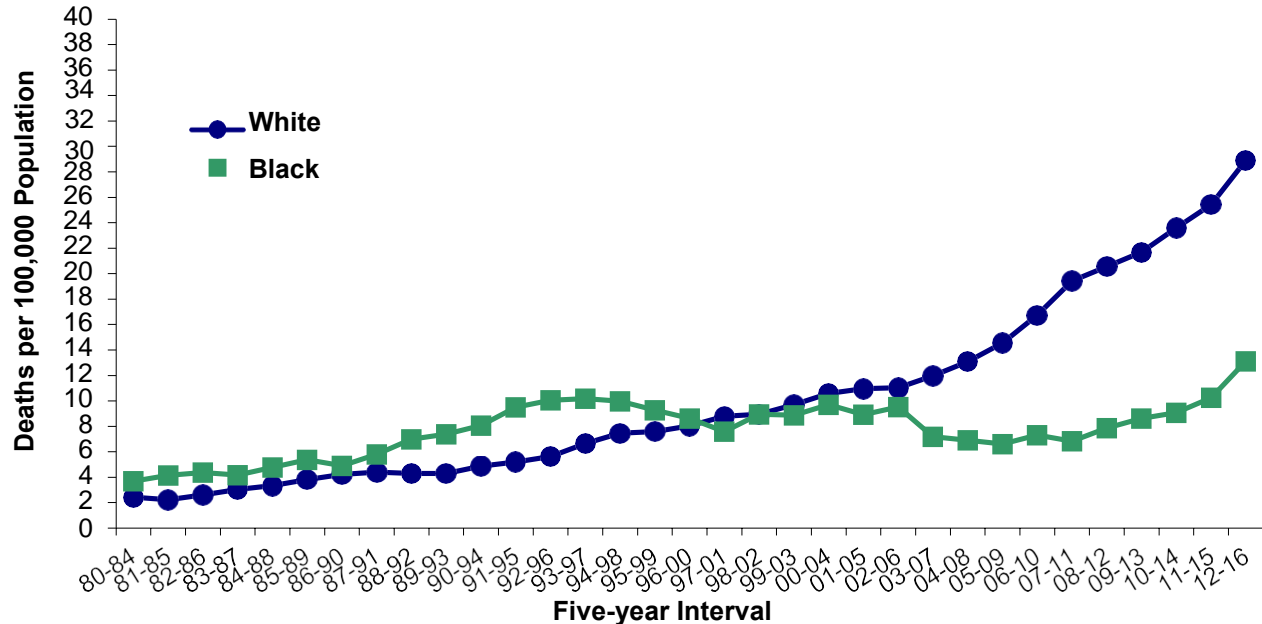
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center



## MORTALITY

Though black mortality rates for drug-induced deaths were historically higher than white rates, in 1994-1998 they began a four-year decline that moved them just below white rates by 1997-2001. Since then, white mortality rates have remained higher and continued to rise. By 2012-2016, the white drug-induced mortality rate (28.9 deaths per 100,000 population) was more than twice the black rate (13.1).

**Figure 56. Five-year Age-adjusted Mortality Rates for Drug-induced Deaths by Race, Delaware, 1980-2016**



**TABLE F-1. NUMBER OF DEATHS BY RACE, COUNTIES, AND CITY OF WILMINGTON, U.S., DELAWARE, 2003-2016**

Area/ Race	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>U.S.</b>														
All Races	2,448,288	2,397,615	2,448,017	2,426,264	2,423,712	2,471,984	2,437,163	2,468,435	2,515,458	2,543,279	2,596,993	2,626,418	2,712,630	-
White	2,103,714	2,056,643	2,098,097	2,077,549	2,074,151	2,120,233	2,086,355	2,114,749	2,156,077	2,175,178	2,217,103	2,237,880	2,306,861	-
Black	291,300	287,315	292,808	289,971	289,585	289,072	286,959	286,959	290,100	295,222	302,969	308,960	320,072	-
Other	53,274	53,657	57,112	58,744	59,976	62,679	64,185	66,727	69,281	72,879	76,921	79,578	85,697	-
<b>Delaware</b>														
All Races	7,067	7,124	7,424	7,144	7,246	7,602	7,498	7,667	7,816	7,873	7,967	8,252	8,580	8,872
White	5,782	5,862	6,129	5,856	5,965	6,309	6,113	6,274	6,412	6,348	6,498	6,677	6,883	7,173
Black	1,241	1,204	1,235	1,225	1,181	1,217	1,270	1,258	1,256	1,392	1,295	1,435	1,443	1,521
Other	44	58	60	63	80	76	115	135	148	133	174	140	254	178
<b>Kent</b>														
All Races	1,114	1,154	1,250	1,219	1,255	1,367	1,379	1,345	1,368	1,462	1,422	1,524	1,582	1,626
White	878	948	1,017	967	1,018	1,133	1,096	1,080	1,092	1,159	1,128	1,196	1,232	1,261
Black	224	193	224	234	219	220	263	231	239	273	250	299	304	325
Other	12	13	9	18	18	14	20	34	37	30	44	29	56	40
<b>New Castle</b>														
All Races	4,129	4,146	4,229	4,039	4,101	4,290	4,100	4,221	4,394	4,260	4,338	4,334	4,547	4,666
White	3,299	3,324	3,381	3,212	3,294	3,441	3,234	3,316	3,486	3,270	3,392	3,354	3,476	3,579
Black	809	793	809	794	771	802	799	828	820	909	847	901	909	975
Other	21	29	39	33	36	47	67	77	88	81	99	79	162	112
<b>Wilmington</b>														
All Races	843	782	765	728	705	726	692	713	697	691	651	729	666	716
White	413	358	362	337	345	334	329	294	320	297	273	326	277	293
Black	430	419	401	385	359	389	360	406	362	383	364	395	359	407
Other	-	5	2	6	1	3	3	13	15	11	14	8	30	16
<b>Balance of NC County</b>														
All Races	3,286	3,364	3,464	3,311	3,396	3,564	3,408	3,508	3,697	3,569	3,687	3,605	3,881	3,950
White	2,886	2,966	3,019	2,875	2,949	3,107	2,905	3,022	3,166	2,973	3,119	3,028	3,199	3,286
Black	379	374	408	409	412	413	439	422	458	526	483	506	550	568
Other	21	24	37	27	35	44	64	64	73	70	85	71	132	96
<b>Sussex</b>														
All Races	1,824	1,824	1,945	1,886	1,890	1,945	2,019	2,101	2,054	2,151	2,207	2,394	2,441	2,580
White	1,605	1,590	1,731	1,677	1,673	1,735	1,783	1,878	1,834	1,919	1,978	2,127	2,175	2,333
Black	208	218	202	197	191	195	208	199	197	210	198	235	230	221
Other	11	16	12	12	26	15	28	24	23	22	31	32	36	26

Note:  
2016 US data are unavailable from NCHS.

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

**TABLE F-2. NUMBER OF DEATHS BY AGE, RACE, AND HISPANIC ORIGIN, COUNTIES AND CITY OF WILMINGTON, DELAWARE, 2016**

Area/ Age	All Races	White	Black	American Indian <sup>1</sup>	Asian or Pacific Islander (API)				All Other	Hispanic Origin <sup>2</sup>
					Chinese	Japanese	Filipino	Other API		
<b>Delaware</b>	8,872	7,173	1,521	19	10	2	10	56	81	269
<1	87	36	40	0	0	0	0	3	8	17
1-4	7	3	4	0	0	0	0	0	0	0
5-14	17	8	8	0	0	0	0	0	1	3
15-24	95	58	33	0	0	0	0	0	4	8
25-34	203	144	53	0	0	0	0	0	6	19
35-44	227	155	68	1	0	0	0	2	1	11
45-54	537	379	148	1	0	0	0	3	6	21
55-64	1,144	875	246	3	3	0	1	7	9	28
65-74	1,763	1,396	325	6	2	0	1	12	21	62
75+	4,792	4,119	596	8	5	2	8	29	25	100
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	1,626	1,261	325	8	2	1	4	8	17	64
<1	14	4	9	0	0	0	0	1	0	3
1-4	2	1	1	0	0	0	0	0	0	0
5-14	4	2	2	0	0	0	0	0	0	0
15-24	19	12	5	0	0	0	0	0	2	2
25-34	32	21	11	0	0	0	0	0	0	3
35-44	52	31	21	0	0	0	0	0	0	4
45-54	107	83	23	0	0	0	0	0	1	5
55-64	222	167	47	2	1	0	0	1	4	9
65-74	366	274	81	2	1	0	1	3	4	13
75+	808	666	125	4	0	1	3	3	6	25
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	4,666	3,579	975	3	7	0	5	41	56	161
<1	62	25	27	0	0	0	0	2	8	12
1-4	2	0	2	0	0	0	0	0	0	0
5-14	9	5	4	0	0	0	0	0	0	2
15-24	56	34	21	0	0	0	0	0	1	5
25-34	117	71	40	0	0	0	0	0	6	8
35-44	110	74	33	1	0	0	0	1	1	7
45-54	319	202	108	1	0	0	0	3	5	14
55-64	634	453	168	0	2	0	1	5	5	15
65-74	826	605	200	0	1	0	0	8	12	40
75+	2,531	2,110	372	1	4	0	4	22	18	58
Unknown	0	0	0	0	0	0	0	0	0	0
Wilmington	716	293	407	0	0	0	0	3	13	36
<1	18	1	14	0	0	0	0	0	3	2
1-4	1	0	1	0	0	0	0	0	0	0
5-14	1	0	1	0	0	0	0	0	0	0
15-24	11	3	8	0	0	0	0	0	0	1
25-34	30	3	25	0	0	0	0	0	2	2
35-44	21	8	13	0	0	0	0	0	0	2
45-54	69	21	47	0	0	0	0	0	1	4
55-64	108	31	76	0	0	0	0	0	1	2
65-74	130	60	67	0	0	0	0	1	2	11
75+	327	166	155	0	0	0	0	2	4	12
Unknown	0	0	0	0	0	0	0	0	0	0
Balance of NC County	3,950	3,286	568	3	7	0	5	38	43	125
<1	44	24	13	0	0	0	0	2	5	10
1-4	1	0	1	0	0	0	0	0	0	0
5-14	8	5	3	0	0	0	0	0	0	2
15-24	45	31	13	0	0	0	0	0	1	4
25-34	87	68	15	0	0	0	0	0	4	6
35-44	89	66	20	1	0	0	0	1	1	5
45-54	250	181	61	1	0	0	0	3	4	10
55-64	526	422	92	0	2	0	1	5	4	13
65-74	696	545	133	0	1	0	0	7	10	29
75+	2,204	1,944	217	1	4	0	4	20	14	46
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2,580	2,333	221	8	1	1	1	7	8	44
<1	11	7	4	0	0	0	0	0	0	2
1-4	3	2	1	0	0	0	0	0	0	0
5-14	4	1	2	0	0	0	0	0	1	1
15-24	20	12	7	0	0	0	0	0	1	1
25-34	54	52	2	0	0	0	0	0	0	8
35-44	65	50	14	0	0	0	0	1	0	0
45-54	111	94	17	0	0	0	0	0	0	2
55-64	288	255	31	1	0	0	0	1	0	4
65-74	571	517	44	4	0	0	0	1	5	9
75+	1,453	1,343	99	3	1	1	1	4	1	17
Unknown	0	0	0	0	0	0	0	0	0	0

Notes:

1. Includes any deaths that may have occurred to Aleut and Eskimo Indians.
2. People of Hispanic origin may be of any race. See *Hispanic Origin and Race* in the Technical Notes.

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







**TABLE F-6. MORTALITY TRENDS BY RACE, ETHNICITY, GENDER, AND AGE, DELAWARE, 2006-2016**

CHARACTERISTIC	Year										
	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Resident Deaths</b>											
Number	7,144	7,246	7,602	7,498	7,667	7,816	7,873	7,967	8,252	8,580	8,872
Crude Rate	831.4	831.2	860.1	840.8	852.1	861.7	860.8	862.5	884.3	909.8	931.0
AADR <sup>2</sup>	762.7	748.3	760.5	730.8	727.8	726.4	709.7	696.6	703.3	713.5	717.8
<b>Decedent's Race/Ethnicity</b>											
White											
Number	5,856	5,985	6,309	6,113	6,274	6,412	6,348	6,498	6,677	6,883	7,173
Percent	82.0%	82.6%	83.0%	81.5%	81.8%	82.0%	80.6%	81.6%	80.9%	80.2%	80.8%
AADR <sup>2</sup>	741.0	734.8	753.4	713.6	718.2	721.8	695.3	692.4	693.7	700.4	713.1
Black											
Number	1,225	1,181	1,217	1,270	1,258	1,256	1,392	1,295	1,435	1,443	1,521
Percent	17.1%	16.3%	16.0%	16.9%	16.4%	16.1%	17.7%	16.3%	17.4%	16.8%	17.1%
AADR <sup>2</sup>	943.9	889.2	860.7	866.5	834.4	795.7	858.5	769.4	843.9	814.0	838.0
Hispanic <sup>1</sup>											
Number	126	178	189	164	142	144	148	200	234	217	269
Percent	1.8%	2.5%	2.5%	2.2%	1.9%	1.8%	1.9%	2.5%	2.8%	2.5%	3.0%
AADR <sup>2</sup>	485.8	775.5	789.6	691.0	550.0	536.1	504.9	706.3	824.4	690.6	869.8
<b>Decedent's Gender</b>											
Female											
Number	3,590	3,614	3,850	3,782	3,802	3,946	4,015	3,936	4,062	4,209	4,275
Percent	50.3%	49.9%	50.6%	50.4%	49.6%	50.5%	51.0%	49.4%	49.2%	49.1%	48.2%
AADR <sup>2</sup>	647.3	630.3	651.9	624.0	610.8	625.0	613.9	588.0	591.9	600.7	591.3
Male											
Number	3,554	3,632	3,752	3,716	3,865	3,870	3,858	4,031	4,190	4,371	4,597
Percent	49.7%	50.1%	49.4%	49.6%	50.4%	49.5%	49.0%	50.6%	50.8%	50.9%	51.8%
AADR <sup>2</sup>	905.9	893.5	894.3	860.2	869.9	849.7	826.0	830.3	842.0	850.1	869.8
<b>Decedent's age</b>											
<1											
Number	99	91	101	91	88	98	84	68	74	100	87
Percent	1.4%	1.3%	1.3%	1.2%	1.1%	1.3%	1.1%	0.9%	0.9%	1.2%	1.0%
1-14											
Number	20	15	23	27	18	28	30	29	22	22	24
Percent	0.3%	0.2%	0.3%	0.4%	0.2%	0.4%	0.4%	0.4%	0.3%	0.3%	0.3%
15-24											
Number	92	88	91	92	97	86	89	82	88	90	95
Percent	1.3%	1.2%	1.2%	1.2%	1.3%	1.1%	1.1%	1.0%	1.1%	1.0%	1.1%
25-44											
Number	427	385	400	359	362	356	388	359	375	410	430
Percent	6.0%	5.3%	5.3%	4.8%	4.7%	4.6%	4.9%	4.5%	4.5%	4.8%	4.8%
45-64											
Number	1,410	1,418	1,552	1,529	1,578	1,579	1,620	1,739	1,610	1,662	1,681
Percent	0	0	0	0	0	0	0	0	0	0	0
65-74											
Number	1,232	1,238	1,276	1,313	1,307	1,357	1,325	1,385	1,546	1,605	1,763
Percent	17.2%	17.1%	16.8%	17.5%	17.0%	17.4%	16.8%	17.4%	18.7%	18.7%	19.9%
75-84											
Number	1,960	2,022	2,043	1,944	1,976	2,077	1,897	1,931	2,048	2,097	2,165
Percent	27.4%	27.9%	26.9%	25.9%	25.8%	26.6%	24.1%	24.2%	24.8%	24.4%	24.4%
85+											
Number	1,904	1,985	2,116	2,143	2,241	2,235	2,440	2,374	2,489	2,594	2,627
Percent	26.7%	27.4%	27.8%	28.6%	29.2%	28.6%	31.0%	29.8%	30.2%	30.2%	29.6%

**Notes:**

1. Because of the small numbers of Hispanic deaths and the resulting variability in annual mortality rates, Hispanic mortality rates should be interpreted with caution.
2. Age-Adjusted Death Rate per 100,000, adjusted to 2000 U.S. Standard Population.
3. Figures for decedent's age may not equal total number of annual deaths due to deaths of unknown age.

Sources: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
U.S. Census

**TABLE F-7. NUMBER OF DEATHS AND MEDIAN AGE AT DEATH BY SEX FOR TWENTY LEADING CAUSES, ALCOHOL-INDUCED DEATHS, AND DRUG-INDUCED DEATHS, DELAWARE, 2016**

Cause of Death <sup>1</sup>	Deaths		Median Age at Death	
	Number	Percent	Male	Female
All causes	8,872	100.0	73	80
Malignant neoplasms	2,125	24.0	73	73
Diseases of heart	1,955	22.0	76	84
Chronic lower respiratory diseases	540	6.1	75	80
Accidents (unintentional injuries)	534	6.0	45	54
Cerebrovascular diseases	503	5.7	81	85
Dementia	443	5.0	88	90
Alzheimer's disease	329	3.7	86	88
Nephritis, nephrotic syndrome & nephrosis	208	2.3	79	79
Diabetes mellitus	203	2.3	68	75
Septicemia	143	1.6	72	76
Influenza & pneumonia	133	1.5	76	82
Intentional self-harm (suicide)	119	1.3	53	51
Other diseases of respiratory system	117	1.3	80	78
Chronic liver disease & cirrhosis	92	1.0	65	63
Other diseases of circulatory system	84	0.9	76	84
Parkinson's disease	72	0.8	83	84
Pneumonitis due to solids & liquids	71	0.8	85	83
Assault (homicide)	64	0.7	29	25
Essential (primary) hypertension & hypertensive renal disease	58	0.7	81	90
Symptoms, signs & abnormal clinical & lab findings, nec	57	0.6	66	82
Alcohol-induced deaths <sup>2</sup>	102	1.1	60	54
Drug-induced deaths <sup>2</sup>	299	3.4	38	44

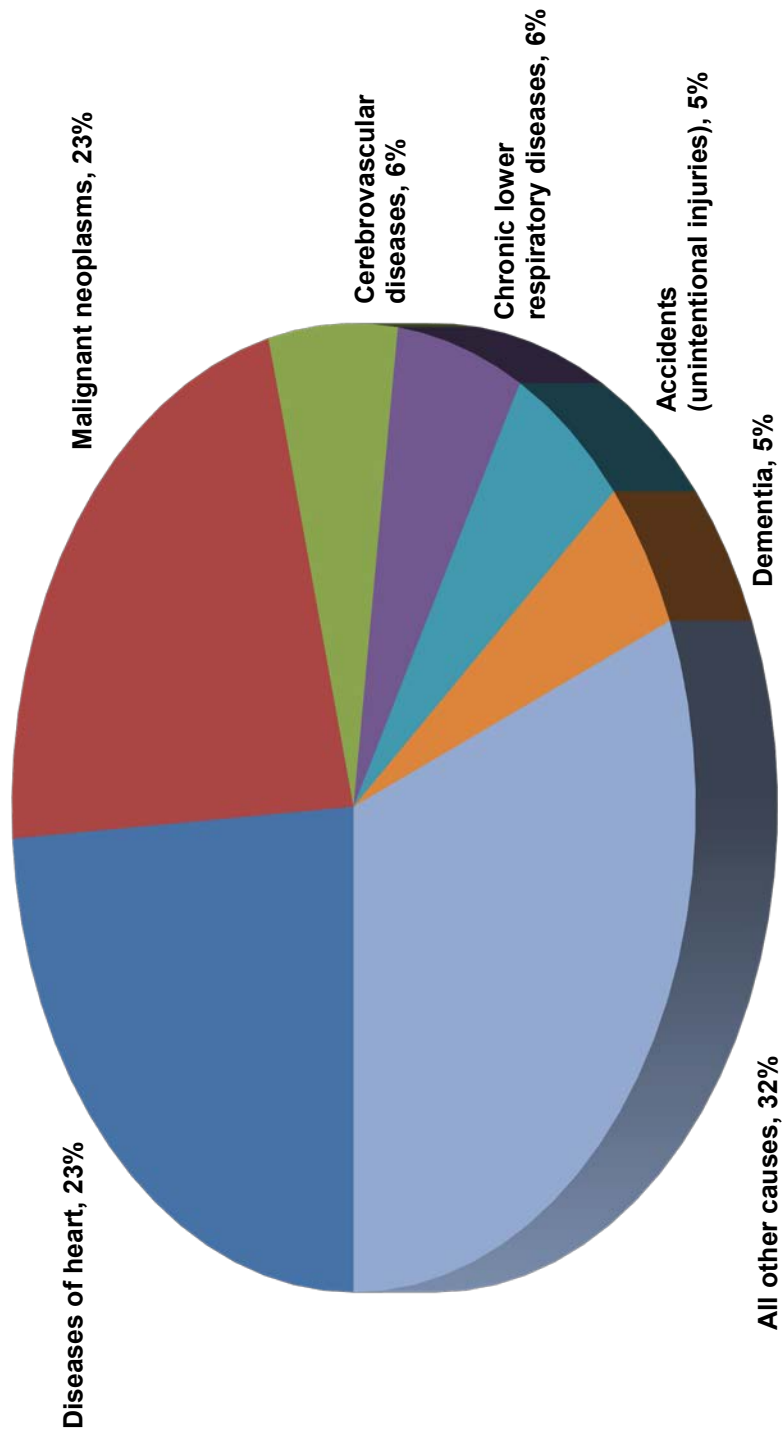
*Notes:*

1. Classified according to ICD-10 Codes, Tenth Revision. See Appendix E for listing of ICD-10 Codes.
2. Included in selected categories.

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

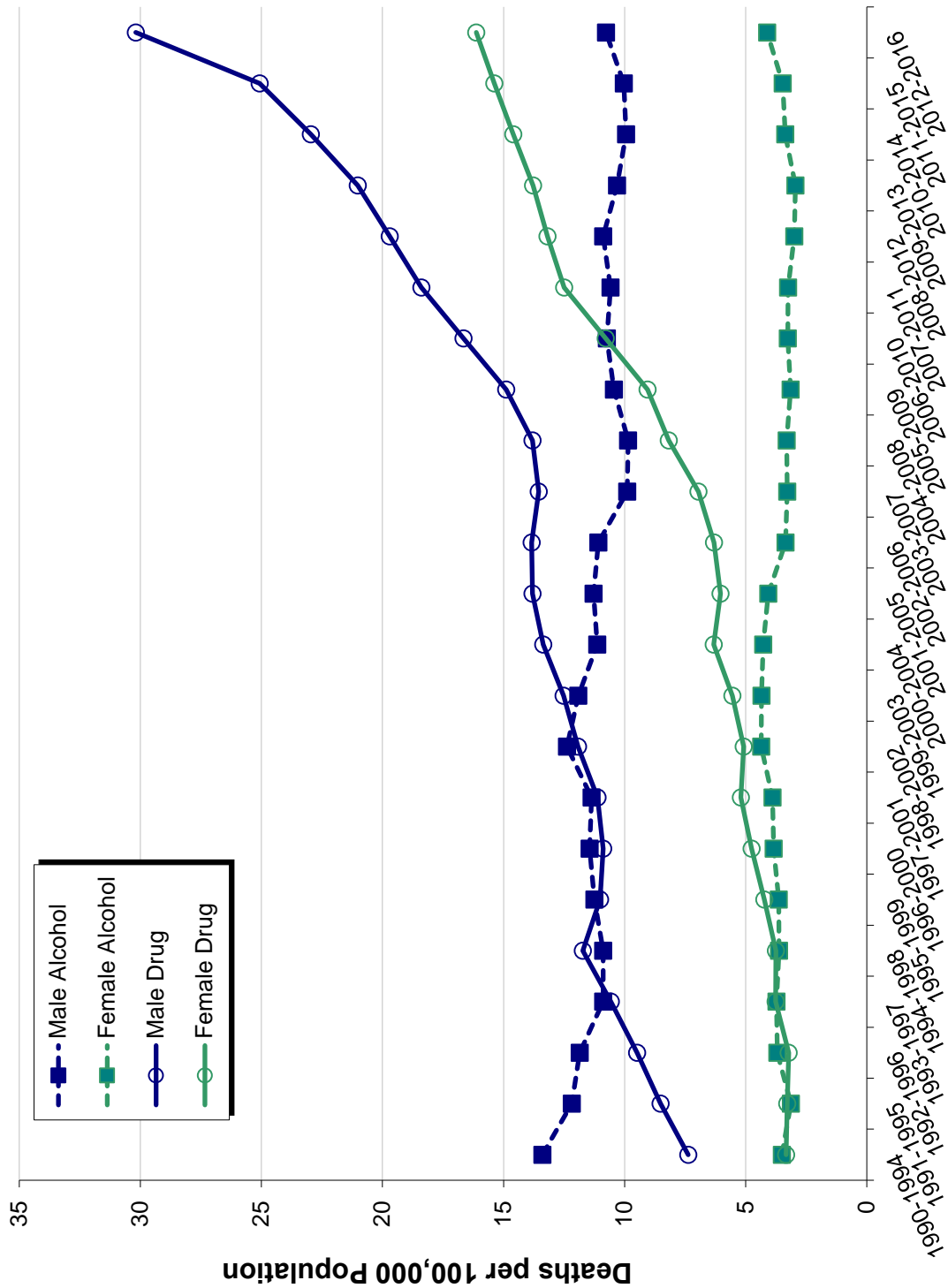


**Figure F-1. Leading Causes of Death, Delaware, 2016**



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

**Figure F-2. Five-year Age-adjusted Drug- and Alcohol-Induced Mortality Rates by Sex, Delaware, 1990-2016**



Five-year Interval

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

**TABLE F-8. LEADING CAUSES OF DEATH, COUNTIES AND CITY OF WILMINGTON, DELAWARE, 2012-2016**

**Kent**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	1,850	24.3
Diseases of heart	1,760	23.1
Chronic lower respiratory diseases	460	6.0
Accidents (unintentional injuries)	439	5.8
Cerebrovascular diseases	380	5.0
Diabetes mellitus	208	2.7
Alzheimer's disease	202	2.6
Nephritis, nephrotic syndrome & nephrosis	178	2.3
Septicemia	155	2.0
Influenza & pneumonia	133	1.7
Intentional self-harm (suicide)	120	1.6
Chronic liver disease & cirrhosis	84	1.1
Essential (primary) hypertension & hypertensive renal disease	59	0.8
Parkinson's disease	55	0.7
In situ neoplasms, benign neoplasms & neoplasms of uncertain or unk behavior	55	0.7
Pneumonitis due to solids & liquids	51	0.7
All other causes	1,437	18.8
<b>Total</b>	<b>7,626</b>	<b>100.0</b>

**New Castle**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	5,161	23.3
Diseases of heart	4,749	21.4
Cerebrovascular diseases	1,303	5.9
Accidents (unintentional injuries)	1,209	5.5
Chronic lower respiratory diseases	1,181	5.3
Alzheimer's disease	656	3.0
Diabetes mellitus	572	2.6
Nephritis, nephrotic syndrome & nephrosis	485	2.2
Influenza & pneumonia	439	2.0
Septicemia	360	1.6
Intentional self-harm (suicide)	344	1.6
Assault (homicide)	229	1.0
Parkinson's disease	216	1.0
Chronic liver disease & cirrhosis	215	1.0
Certain conditions originating in the perinatal period	185	0.8
Pneumonitis due to solids & liquids	170	0.8
All other causes	4,671	21.1
<b>Total</b>	<b>22,145</b>	<b>100.0</b>

**City of Wilmington**

Cause of Death*	Deaths	
	#	%
Diseases of heart	742	21.5
Malignant neoplasms	703	20.4
Cerebrovascular diseases	211	6.1
Accidents (unintentional injuries)	191	5.5
Chronic lower respiratory diseases	158	4.6
Diabetes mellitus	112	3.2
Assault (homicide)	109	3.2
Alzheimer's disease	89	2.6
Nephritis, nephrotic syndrome & nephrosis	81	2.3
Human immunodeficiency virus (HIV) disease	65	1.9
Certain conditions originating in the perinatal period	55	1.6
Septicemia	55	1.6
Influenza & pneumonia	51	1.5
Chronic liver disease & cirrhosis	42	1.2
Intentional self-harm (suicide)	39	1.1
Essential (primary) hypertension & hypertensive renal disease	38	1.1
All other causes	712	20.6
<b>Total</b>	<b>3,453</b>	<b>100.0</b>

**Sussex**

Cause of Death*	Deaths	
	#	%
Diseases of heart	2,943	25.0
Malignant neoplasms	2,934	24.9
Chronic lower respiratory diseases	770	6.5
Accidents (unintentional injuries)	561	4.8
Cerebrovascular diseases	540	4.6
Alzheimer's disease	331	2.8
Diabetes mellitus	321	2.7
Nephritis, nephrotic syndrome & nephrosis	209	1.8
Septicemia	188	1.6
Influenza & pneumonia	181	1.5
Chronic liver disease & cirrhosis	172	1.5
Intentional self-harm (suicide)	150	1.3
Parkinson's disease	120	1.0
Essential (primary) hypertension & hypertensive renal disease	89	0.8
In situ neoplasms, benign neoplasms & neoplasms of uncertain or unk behavior	78	0.7
Pneumonitis due to solids & liquids	77	0.7
All other causes	2,109	17.9
<b>Total</b>	<b>11,773</b>	<b>100.0</b>

Note:\*Cause of death categories were derived using the NCHS list of 50 rankable causes of death as specified by NCHS. For specific codes, see Appendix E.

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

**TABLE F-9. TEN LEADING CAUSES OF DEATH BY SEX AND RACE GROUP, DELAWARE, 2012-2016**

**All Races, Male**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	5,188	24.6
Diseases of heart	5,013	23.8
Accidents (unintentional injuries)	1,431	6.8
Chronic lower respiratory diseases	1,067	5.1
Cerebrovascular diseases	919	4.4
Diabetes mellitus	604	2.9
Intentional self-harm (suicide)	474	2.3
Nephritis, nephrotic syndrome & nephrosis	445	2.1
Alzheimer's disease	396	1.9
Influenza & pneumonia	352	1.7
All other causes	5,158	24.5
<b>Total</b>	<b>21,047</b>	<b>100.0</b>

**All Races, Female**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4,757	23.2
Diseases of heart	4,439	21.7
Chronic lower respiratory diseases	1,344	6.6
Cerebrovascular diseases	1,304	6.4
Alzheimer's disease	793	3.9
Accidents (unintentional injuries)	778	3.8
Diabetes mellitus	497	2.4
Nephritis, nephrotic syndrome & nephrosis	427	2.1
Influenza & pneumonia	401	2.0
Septicemia	365	1.8
All other causes	5,392	26.3
<b>Total</b>	<b>20,497</b>	<b>100.0</b>

**White, Both Sexes**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	8,084	24.1
Diseases of heart	7,738	23.0
Chronic lower respiratory diseases	2,118	6.3
Accidents (unintentional injuries)	1,812	5.4
Cerebrovascular diseases	1,748	5.2
Alzheimer's disease	999	3.0
Diabetes mellitus	783	2.3
Influenza & pneumonia	648	1.9
Nephritis, nephrotic syndrome & nephrosis	621	1.8
Septicemia	561	1.7
All other causes	8,467	25.2
<b>Total</b>	<b>33,579</b>	<b>100.0</b>

**Black, Both Sexes**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	1,649	23.3
Diseases of heart	1,542	21.8
Cerebrovascular diseases	414	5.8
Accidents (unintentional injuries)	336	4.7
Diabetes mellitus	291	4.1
Chronic lower respiratory diseases	268	3.8
Nephritis, nephrotic syndrome & nephrosis	229	3.2
Assault (homicide)	211	3.0
Alzheimer's disease	167	2.4
Septicemia	130	1.8
All other causes	1,849	26.1
<b>Total</b>	<b>7,086</b>	<b>100.0</b>

**Hispanic, Both Sexes**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	218	20.4
Diseases of heart	187	17.5
Accidents (unintentional injuries)	94	8.8
Cerebrovascular diseases	64	6.0
Certain conditions originating in the perinatal period	47	4.4
Chronic lower respiratory diseases	39	3.7
Diabetes mellitus	33	3.1
Alzheimer's disease	28	2.6
Chronic liver disease & cirrhosis	26	2.4
Intentional self-harm (suicide)	23	2.2
All other causes	309	28.9
<b>Total</b>	<b>1,068</b>	<b>100.0</b>

*Notes:*

1. Cause of death categories were derived using the NCHS list of 50 rankable causes of death as specified by NCHS. For specific codes, see Appendix E.
2. There was a three-way tie for the tenth most common cause of Hispanic death; Alzheimer's disease also accounted for 19 deaths.

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

**TABLE F-10. TEN LEADING CAUSES OF DEATH BY RACE-SEX GROUP, DELAWARE, 2012-2016**

**White Males**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4,290	25.2
Diseases of heart	4,145	24.3
Accidents (unintentional injuries)	1,159	6.8
Chronic lower respiratory diseases	927	5.4
Cerebrovascular diseases	703	4.1
Diabetes mellitus	437	2.6
Intentional self-harm (suicide)	417	2.4
Alzheimer's disease	341	2.0
Nephritis, nephrotic syndrome & nephrosis	317	1.9
Influenza & pneumonia	304	1.8
All other causes	3,987	23.4
<b>Total</b>	<b>17,027</b>	<b>100.0</b>

**White Females**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	3,794	22.9
Diseases of heart	3,593	21.7
Chronic lower respiratory diseases	1,191	7.2
Cerebrovascular diseases	1,045	6.3
Alzheimer's disease	658	4.0
Accidents (unintentional injuries)	653	3.9
Diabetes mellitus	346	2.1
Influenza & pneumonia	344	2.1
Nephritis, nephrotic syndrome & nephrosis	304	1.8
Septicemia	287	1.7
All other causes	4,337	26.2
<b>Total</b>	<b>16,552</b>	<b>100.0</b>

**Black Males**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	786	22.1
Diseases of heart	774	21.8
Accidents (unintentional injuries)	236	6.6
Cerebrovascular diseases	188	5.3
Assault (homicide)	186	5.2
Diabetes mellitus	152	4.3
Chronic lower respiratory diseases	122	3.4
Nephritis, nephrotic syndrome & nephrosis	115	3.2
Certain conditions originating in the perinatal period	76	2.1
Human immunodeficiency virus (HIV) disease	75	2.1
All other causes	844	23.7
<b>Total</b>	<b>3,554</b>	<b>100.0</b>

**Black Females**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	863	24.4
Diseases of heart	768	21.7
Cerebrovascular diseases	226	6.4
Chronic lower respiratory diseases	146	4.1
Diabetes mellitus	139	3.9
Alzheimer's disease	117	3.3
Nephritis, nephrotic syndrome & nephrosis	114	3.2
Accidents (unintentional injuries)	100	2.8
Septicemia	71	2.0
Influenza & pneumonia	54	1.5
All other causes	934	26.4
<b>Total</b>	<b>3,532</b>	<b>100.0</b>

**Hispanic Males**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	124	20.1
Diseases of heart	114	18.4
Accidents (unintentional injuries)	70	11.3
Cerebrovascular diseases	34	5.5
Certain conditions originating in the perinatal period	28	4.5
Chronic lower respiratory diseases	25	4.0
Diabetes mellitus	22	3.6
Chronic liver disease & cirrhosis	17	2.8
Assault (homicide)	16	2.6
Intentional self-harm (suicide)	16	2.6
All other causes	152	24.6
<b>Total</b>	<b>618</b>	<b>100.0</b>

**Hispanic Females**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	94	20.9
Diseases of heart	73	16.2
Cerebrovascular diseases	30	6.7
Accidents (unintentional injuries)	24	5.3
Alzheimer's disease	22	4.9
Certain conditions originating in the perinatal period	19	4.2
Chronic lower respiratory diseases	14	3.1
Septicemia	13	2.9
Diabetes mellitus	11	2.4
Nephritis, nephrotic syndrome & nephrosis	10	2.2
All other causes	140	31.1
<b>Total</b>	<b>450</b>	<b>100.0</b>

Note: \*Cause of death categories were derived using the NCHS list of 50 rankable causes of death as specified by NCHS. For specific codes, see Appendix E.

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

**TABLE F-11. TEN LEADING CAUSES OF DEATH BY AGE, DELAWARE, 2012-2016**

**1-4 Years**

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	11	55.0
Assault (homicide)	7	35.0
Malignant neoplasms	7	35.0
Congenital malformations, deformations, & Chronic lower respiratory diseases	6	30.0
Diseases of heart	2	10.0
Nephritis, nephrotic syndrome & nephrosis	2	10.0
Influenza & pneumonia	1	5.0
In situ neoplasms, benign neoplasms & neoplasms	1	5.0
Pneumonitis due to solids & liquids	0	0.0
Other	20	100.0
<b>Total</b>	<b>58</b>	<b>100.0</b>

**5-14 Years**

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	12	17.4
Malignant neoplasms	10	14.5
Intentional self-harm (suicide)	7	10.1
Congenital malformations, deformations, & Diseases of heart	7	10.1
Chronic lower respiratory diseases	5	7.2
Complications of medical & surgical care	2	2.9
Assault (homicide)	1	1.4
Certain conditions originating in the perinatal period	1	1.4
Pneumonitis due to solids & liquids	1	1.4
All other causes	22	31.9
<b>Total</b>	<b>69</b>	<b>100.0</b>

**15-24 Years**

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	187	42.1
Assault (homicide)	85	19.1
Intentional self-harm (suicide)	71	16.0
Malignant neoplasms	18	4.1
Diseases of heart	13	2.9
Human immunodeficiency virus (HIV) disease	5	1.1
Septicemia	5	1.1
Chronic lower respiratory diseases	4	0.9
Diabetes mellitus	3	0.7
Complications of medical & surgical care	2	0.5
All other causes	51	11.5
<b>Total</b>	<b>444</b>	<b>100.0</b>

**25-44 Years**

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	697	35.5
Diseases of heart	233	11.9
Malignant neoplasms	198	10.1
Intentional self-harm (suicide)	184	9.4
Assault (homicide)	141	7.2
Diabetes mellitus	45	2.3
Chronic liver disease & cirrhosis	30	1.5
Human immunodeficiency virus (HIV) disease	27	1.4
Cerebrovascular diseases	24	1.2
Septicemia	22	1.1
All other causes	361	18.4
<b>Total</b>	<b>1,962</b>	<b>100.0</b>

**45-64 Years**

Cause of Death*	Deaths	
	Number	Percent
Malignant neoplasms	2,681	32.3
Diseases of heart	1,625	19.6
Accidents (unintentional injuries)	680	8.2
Chronic lower respiratory diseases	310	3.7
Diabetes mellitus	305	3.7
Cerebrovascular diseases	270	3.2
Intentional self-harm (suicide)	245	2.9
Chronic liver disease & cirrhosis	241	2.9
Nephritis, nephrotic syndrome & nephrosis	167	2.0
Septicemia	145	1.7
All other causes	1,643	19.8
<b>Total</b>	<b>8,312</b>	<b>100.0</b>

**65+ Years**

Cause of Death*	Deaths	
	Number	Percent
Diseases of heart	7,567	25.0
Malignant neoplasms	7,031	23.2
Chronic lower respiratory diseases	2,074	6.8
Cerebrovascular diseases	1,923	6.3
Alzheimer's disease	1,173	3.9
Diabetes mellitus	747	2.5
Nephritis, nephrotic syndrome & nephrosis	690	2.3
Influenza & pneumonia	642	2.1
Accidents (unintentional injuries)	613	2.0
Septicemia	528	1.7
All other causes	7,298	24.1
<b>Total</b>	<b>30,286</b>	<b>100.0</b>

Note:

\*Cause of death categories were derived using the NCHS list of 50 rankable causes of death as specified by NCHS. For specific codes, see Appendix E.

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

**TABLE F-12. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**  
**ALL RACES, BOTH SEXES**

Cause of Death*	Age of Decedent											Unk		
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	1955	2	0	0	0	0	1	9	35	98	221	367	1221	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	10	0	0	0	0	0	0	0	0	2	1	0	7	0
Hypertensive heart disease (I11)	106	0	0	0	0	0	2	8	17	26	26	26	27	0
Hypertensive heart and renal disease (I13)	18	0	0	0	0	0	0	0	0	1	1	3	13	0
Ischemic heart disease (I20-I25)	1212	0	0	0	0	0	1	18	51	144	235	763	0	0
All other forms of heart disease (I26-I51)	609	2	0	0	0	0	1	6	9	27	49	103	411	0
<b>Malignant neoplasms (C00-C97)</b>	2125	0	1	1	1	3	2	16	33	122	396	610	938	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	30	0	0	0	0	0	0	0	0	1	14	7	8	0
Malignant neoplasms of digestive organs (C15-C26)	550	0	0	0	0	0	0	3	8	40	123	141	235	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	578	0	0	0	0	0	0	1	5	30	112	201	229	0
Malignant neoplasms of breast (C50)	144	0	0	0	0	0	0	1	3	17	34	32	57	0
Malignant neoplasms of female genital organs, (C51-C58)	97	0	0	0	0	0	0	1	4	5	23	24	40	0
Malignant neoplasms of male genital organs, (C60-C63)	102	0	0	0	0	0	0	1	0	1	8	32	60	0
Malignant neoplasms of urinary tract (C64-C68)	136	0	0	0	0	0	0	0	1	2	12	41	80	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	67	0	1	1	1	1	1	2	2	5	16	18	19	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	221	0	0	0	0	0	1	2	4	11	26	61	112	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	200	0	0	0	0	2	0	3	6	10	28	53	98	0
<b>Cerebrovascular diseases (I60-I69)</b>	503	1	0	0	0	0	0	1	4	15	38	76	368	0

See footnote at the end of the table

**TABLE F-12. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**  
**ALL RACES, BOTH SEXES - CONTINUED**

	Age of Decedent													Unk
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
<b>Chronic lower respiratory diseases (J40-J47)</b>	540	0	1	0	1	0	0	0	3	9	55	154	317	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	534	2	1	1	1	8	36	112	76	102	77	40	78	0
Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	118	0	0	1	1	4	16	20	17	17	19	13	10	0
Nontransport Accidents (W00-X59, Y86)	411	2	1	0	0	4	19	91	59	84	57	27	67	0
<b>Diabetes mellitus (E10-E14)</b>	203	0	0	0	0	2	0	1	10	15	35	52	88	0
<b>Influenza and pneumonia (J10-J18)</b>	133	0	0	0	0	0	0	0	2	6	18	26	81	0
<b>Alzheimer's disease (G30)</b>	329	0	0	0	0	0	0	0	0	0	6	27	296	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	208	0	0	0	0	0	1	0	3	7	33	34	130	0
<b>Septicemia (A40-A41)</b>	143	2	0	0	0	1	1	0	5	9	20	33	72	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	119	0	0	0	1	4	8	17	12	25	27	13	12	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	92	0	0	0	0	0	0	2	3	17	25	29	16	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	58	0	0	0	0	0	0	0	2	5	6	5	40	0
<b>Aortic aneurysm and dissection (I71)</b>	34	0	0	0	0	0	0	0	0	4	3	8	19	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	64	0	1	0	0	10	10	24	7	8	2	1	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	17	0	0	0	0	0	2	3	1	6	4	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	55	55	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	23	9	2	1	2	0	0	0	2	0	3	2	2	0
<b>All other causes</b>	1737	16	1	5	1	3	2	18	29	89	175	285	1113	0
<b>TOTAL</b>	8872	87	7	8	9	31	64	203	227	537	1144	1763	4792	0

Note: \*ICD Codes, Tenth Revision.

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



TABLE F-13. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 2016

KENT

ALL RACES, BOTH SEXES

Cause of Death*	Age of Decedent													
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	Unk
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	387	0	0	0	0	0	0	2	10	21	45	97	212	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	4	0	0	0	0	0	0	0	0	1	0	0	3	0
Hypertensive heart disease (I11)	26	0	0	0	0	0	0	0	3	4	4	9	6	0
Hypertensive heart and renal disease (I13)	4	0	0	0	0	0	0	0	0	1	0	0	3	0
Ischemic heart disease (I20-I25)	245	0	0	0	0	0	1	4	12	30	66	132	0	0
All other forms of heart disease (I26-I51)	108	0	0	0	0	0	1	3	3	11	22	68	0	0
<b>Malignant neoplasms (C00-C97)</b>	366	0	0	0	0	1	0	3	6	22	75	107	152	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	3	0	0	0	0	0	0	0	0	0	0	1	2	0
Malignant neoplasms of digestive organs (C15-C26)	70	0	0	0	0	0	2	0	5	19	14	30	0	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	110	0	0	0	0	0	0	0	1	2	27	39	41	0
Malignant neoplasms of breast (C50)	32	0	0	0	0	0	0	0	2	5	4	10	11	0
Malignant neoplasms of female genital organs, (C51-C58)	22	0	0	0	0	0	0	0	2	2	3	6	9	0
Malignant neoplasms of male genital organs, (C60-C63)	12	0	0	0	0	0	0	0	0	0	1	3	8	0
Malignant neoplasms of urinary tract (C64-C68)	29	0	0	0	0	0	0	0	1	0	2	7	19	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	13	0	0	0	0	1	0	0	0	1	5	2	4	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	37	0	0	0	0	0	0	0	0	4	6	11	16	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	38	0	0	0	0	0	1	0	0	3	8	14	12	0
<b>Cerebrovascular diseases (I60-I69)</b>	85	0	0	0	0	0	0	0	1	6	8	11	59	0

See Footnote at the end of the table

**TABLE F-13. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 2016**

**KENT**

**ALL RACES, BOTH SEXES - CONTINUED**

	Age of Decedent											Unk	
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74
<b>Chronic lower respiratory diseases (J40-J47)</b>	100	0	1	0	1	0	0	0	2	2	7	34	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	105	0	0	1	0	3	9	17	18	17	24	4	0
Nontransport Accidents (W00-X59, Y86)	34	0	0	1	0	2	7	4	5	4	6	3	0
<b>Diabetes mellitus (E10-E14)</b>	69	0	0	0	0	1	2	13	13	13	17	1	0
<b>Influenza and pneumonia (J10-J18)</b>	48	0	0	0	0	0	0	1	3	3	7	13	0
<b>Alzheimer's disease (G30)</b>	26	0	0	0	0	0	0	0	1	1	3	9	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	58	0	0	0	0	0	0	0	0	0	0	8	0
<b>Septicemia (A40-A41)</b>	49	0	0	0	0	0	1	0	1	3	9	10	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	33	0	0	0	0	0	0	0	0	0	5	5	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	20	0	0	0	0	0	1	2	4	7	3	2	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	17	0	0	0	0	0	0	0	0	5	5	2	0
<b>Aortic aneurysm and dissection (I71)</b>	12	0	0	0	0	0	0	0	0	2	1	0	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	4	0	0	0	0	0	0	0	0	0	0	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	11	0	1	0	0	1	3	5	0	1	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	3	0	0	0	0	0	0	0	1	1	0	1	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	8	8	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	4	2	0	0	0	1	0	0	1	0	0	0	0
<b>TOTAL</b>	290	4	0	0	0	1	0	2	4	16	30	59	174
	1626	14	2	1	3	5	14	32	52	107	222	366	808

Note: \*ICD Codes, Tenth Revision.

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

TABLE F-14. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 2016

NEW CASTLE  
ALL RACES, BOTH SEXES

Cause of Death*	Age of Decedent														
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	Unk	
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	972	1	0	0	0	0	1	0	4	12	55	121	173	605	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
Hypertensive heart disease (I11)	52	0	0	0	0	0	0	0	0	4	11	14	10	13	0
Hypertensive heart and renal disease (I13)	10	0	0	0	0	0	0	0	0	0	0	1	3	6	0
Ischemic heart disease (I20-I25)	590	0	0	0	0	0	0	0	7	25	80	109	369	0	0
All other forms of heart disease (I26-I51)	319	1	0	0	0	1	0	4	1	19	25	51	217	0	0
<b>Malignant neoplasms (C00-C97)</b>	1097	0	0	1	2	1	3	10	19	73	225	275	488	0	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	21	0	0	0	0	0	0	0	0	1	11	4	5	0	0
Malignant neoplasms of digestive organs (C15-C26)	310	0	0	0	0	0	0	0	4	27	71	72	136	0	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	290	0	0	0	0	0	0	1	2	21	65	86	115	0	0
Malignant neoplasms of breast (C50)	65	0	0	0	0	0	0	1	1	7	21	14	21	0	0
Malignant neoplasms of female genital organs, (C51-C58)	50	0	0	0	0	0	0	1	2	2	13	10	22	0	0
Malignant neoplasms of male genital organs, (C60-C63)	52	0	0	0	0	0	0	1	0	0	4	15	32	0	0
Malignant neoplasms of urinary tract (C64-C68)	62	0	0	0	0	0	0	0	0	2	9	15	36	0	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	32	0	0	1	0	0	1	2	2	3	6	10	7	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	117	0	0	0	0	1	2	4	4	4	14	29	59	0	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	98	0	0	0	2	0	0	0	4	6	11	20	55	0	0
<b>Cerebrovascular diseases (I60-I69)</b>	287	1	0	0	0	0	0	0	1	5	21	44	215	0	0

See footnote at the end of the table

**TABLE F-14. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 2016**  
**NEW CASTLE**

**ALL RACES, BOTH SEXES - CONTINUED**

	Age of Decedent													Unk	
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+		
<b>Chronic lower respiratory diseases (J40-J47)</b>	258	0	0	0	0	0	0	0	0	0	4	28	63	163	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	284	1	1	0	0	1	3	19	57	34	63	37	25	43	0
Nontransport Accidents (W00-X59, Y86)	47	0	0	0	0	1	1	5	8	5	12	8	5	2	0
<b>Diabetes mellitus (E10-E14)</b>	236	1	1	0	0	0	2	14	48	29	51	29	20	41	0
<b>Influenza and pneumonia (J10-J18)</b>	95	0	0	0	0	0	2	0	0	6	9	21	22	35	0
<b>Alzheimer's disease (G30)</b>	75	0	0	0	0	0	0	0	0	1	4	12	14	44	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	184	0	0	0	0	0	0	0	0	0	0	5	11	168	0
<b>Septicemia (A40-A41)</b>	108	0	0	0	0	0	0	0	0	1	4	20	16	67	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	75	2	0	0	0	1	1	1	0	3	6	13	18	31	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	65	0	0	0	0	1	3	5	13	7	13	12	4	7	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	37	0	0	0	0	0	0	0	1	0	10	9	10	7	0
<b>Aortic aneurysm and dissection (I71)</b>	31	0	0	0	0	0	0	0	0	2	3	5	4	17	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	19	0	0	0	0	0	0	0	0	0	2	3	5	9	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	46	0	0	0	0	0	9	6	17	6	6	1	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	9	0	0	0	0	0	0	0	2	0	3	4	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	43	43	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	11	4	0	0	0	1	0	0	0	1	0	2	1	2	0
<b>TOTAL</b>	970	10	1	2	1	1	1	1	13	17	59	95	140	630	0
	4666	62	2	3	6	21	35	117	110	319	634	826	2531	0	

Note: \*ICD Codes, Tenth Revision.

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

TABLE F-15. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016

CITY OF WILMINGTON

ALL RACES, BOTH SEXES

Cause of Death*	Age of Decedent													
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	Unk
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	160	0	0	0	0	0	0	4	3	10	26	35	82	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertensive heart disease (I11)	10	0	0	0	0	0	0	0	1	1	2	4	2	0
Hypertensive heart and renal disease (I13)	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Ischemic heart disease (I20-I25)	101	0	0	0	0	0	0	0	1	4	17	18	61	0
All other forms of heart disease (I26-I51)	47	0	0	0	0	0	0	4	1	5	7	12	18	0
<b>Malignant neoplasms (C00-C97)</b>	131	0	0	0	0	0	0	0	1	7	37	34	52	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	4	0	0	0	0	0	0	0	0	0	2	1	1	0
Malignant neoplasms of digestive organs (C15-C26)	39	0	0	0	0	0	0	0	0	4	12	10	13	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	39	0	0	0	0	0	0	0	0	2	12	8	17	0
Malignant neoplasms of breast (C50)	5	0	0	0	0	0	0	0	0	0	2	1	2	0
Malignant neoplasms of female genital organs, (C51-C58)	7	0	0	0	0	0	0	0	0	0	3	1	3	0
Malignant neoplasms of male genital organs, (C60-C63)	5	0	0	0	0	0	0	0	0	0	0	3	2	0
Malignant neoplasms of urinary tract (C64-C68)	7	0	0	0	0	0	0	0	0	0	0	3	4	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	1	0	0	0	0	0	0	0	0	0	1	0	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	15	0	0	0	0	0	0	0	1	1	4	3	6	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	9	0	0	0	0	0	0	0	0	0	1	4	4	0
<b>Cerebrovascular diseases (I60-I69)</b>	51	0	0	0	0	0	0	0	0	3	11	13	24	0

See footnote at the end of the table

TABLE F-15. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016

CITY OF WILMINGTON

ALL RACES, BOTH SEXES - CONTINUED

	Age of Decedent											Unk			
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+	
Chronic lower respiratory diseases (J40-J47)	43	0	0	0	0	0	0	0	0	0	1	5	10	27	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86) Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	49	1	1	0	0	0	3	7	5	21	4				0
Nontransport Accidents (W00-X59, Y86)	10	0	0	0	0	0	2	1	2	2	2	1	1	0	0
Diabetes mellitus (E10-E14)	39	1	1	0	0	0	1	6	3	19	2	3	3	3	0
Influenza and pneumonia (J10-J18)	17	0	0	0	0	1	0	0	1	2	2	2	2	9	0
Alzheimer's disease (G30)	9	0	0	0	0	0	0	0	0	1	0	3	3	5	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	30	0	0	0	0	0	0	0	0	0	0	0	1	29	0
Septicemia (A40-A41)	17	0	0	0	0	0	0	0	0	0	2	5	1	9	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	11	0	0	0	0	0	0	0	1	1	1	3	3	5	0
Chronic liver disease and cirrhosis (K70, K73-K74)	8	0	0	0	0	0	0	2	4	1	0	1	1	0	0
Essential hypertension and hypertensive renal disease (I10, I12)	5	0	0	0	0	0	0	0	0	1	0	2	2	2	0
Aortic aneurysm and dissection (I71)	8	0	0	0	0	0	0	0	1	0	3	1	3	3	0
Assault (homicide) (X85-Y09, Y87.1)	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0
Human immunodeficiency virus (HIV) (B20-B24)	21	0	0	0	0	3	4	10	1	3	0	0	0	0	0
Certain conditions originating in the perinatal period (P00-P96)	3	0	0	0	0	0	0	0	0	2	1	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	14	14	0	0	0	0	0	0	0	0	0	0	0	0	0
All other causes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL</b>	138	3	0	1	0	0	0	7	4	14	13	19	77	0	0
	716	18	1	1	1	4	7	30	21	69	108	130	327	0	0

Note: \*ICD Codes, Tenth Revision.

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

**TABLE F-16. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 2016**

**SUSSEX**

**ALL RACES, BOTH SEXES**

Cause of Death*	Age of Decedent													
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	Unk
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	596	1	0	0	0	0	1	3	13	22	55	97	404	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	5	0	0	0	0	0	0	0	0	1	0	0	4	0
Hypertensive heart disease (I11)	28	0	0	0	0	0	0	2	1	2	8	7	8	0
Hypertensive heart and renal disease (I13)	4	0	0	0	0	0	0	0	0	0	0	0	4	0
Ischemic heart disease (I20-I25)	377	0	0	0	0	0	0	0	7	14	34	60	262	0
All other forms of heart disease (I26-I51)	182	1	0	0	0	0	1	1	5	5	13	30	126	0
<b>Malignant neoplasms (C00-C97)</b>	662	0	1	0	0	1	0	3	8	27	96	228	298	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	6	0	0	0	0	0	0	0	0	0	3	2	1	0
Malignant neoplasms of digestive organs (C15-C26)	170	0	0	0	0	0	0	1	4	8	33	55	69	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	178	0	0	0	0	0	0	0	2	7	20	76	73	0
Malignant neoplasms of breast (C50)	47	0	0	0	0	0	0	0	0	5	9	8	25	0
Malignant neoplasms of female genital organs, (C51-C58)	25	0	0	0	0	0	0	0	0	1	7	8	9	0
Malignant neoplasms of male genital organs, (C60-C63)	38	0	0	0	0	0	0	0	0	1	3	14	20	0
Malignant neoplasms of urinary tract (C64-C68)	45	0	0	0	0	0	0	0	0	0	1	19	25	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	22	0	1	0	0	1	0	0	0	1	5	6	8	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	67	0	0	0	0	0	0	0	0	3	6	21	37	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	64	0	0	0	0	0	0	2	2	1	9	19	31	0
<b>Cerebrovascular diseases (I60-I69)</b>	131	0	0	0	0	0	0	1	2	4	9	21	94	0

See footnote at the end of the table

**TABLE F-16. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 2016**

**SUSSEX**

**ALL RACES, BOTH SEXES - CONTINUED**

	Age of Decedent											Unk		
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+
Chronic lower respiratory diseases (J40-J47)	182	0	0	0	0	0	0	0	1	3	20	57	101	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	145	1	0	0	0	2	8	38	24	22	16	11	23	0
Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	37	0	0	0	0	1	4	8	7	1	5	5	6	0
Nontransport Accidents (W00-X59, Y86)	106	1	0	0	0	1	3	30	17	20	11	6	17	0
Diabetes mellitus (E10-E14)	60	0	0	0	0	0	0	0	1	3	7	17	32	0
Influenza and pneumonia (J10-J18)	32	0	0	0	0	0	0	0	0	1	3	3	25	0
Alzheimer's disease (G30)	87	0	0	0	0	0	0	0	0	0	1	8	78	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	51	0	0	0	0	0	0	0	1	0	4	8	38	0
Septicemia (A40-A41)	35	0	0	0	0	0	0	0	2	3	2	10	18	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	34	0	0	0	0	1	2	2	1	5	12	7	4	0
Chronic liver disease and cirrhosis (K70, K73-K74)	38	0	0	0	0	0	0	1	3	2	11	14	7	0
Essential hypertension and hypertensive renal disease (I10, I12)	15	0	0	0	0	0	0	0	0	0	0	1	14	0
Aortic aneurysm and dissection (I71)	11	0	0	0	0	0	0	0	0	2	0	2	7	0
Assault (homicide) (X85-Y09, Y87.1)	7	0	0	0	0	0	1	2	1	1	1	0	1	0
Human immunodeficiency virus (HIV) (B20-B24)	5	0	0	0	0	0	2	1	0	2	0	0	0	0
Certain conditions originating in the perinatal period (P00-P96)	4	4	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	8	3	2	1	0	0	0	0	0	0	1	1	0	0
All other causes	477	2	0	3	0	1	1	3	8	14	50	86	309	0
<b>TOTAL</b>	<b>2580</b>	<b>11</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>5</b>	<b>15</b>	<b>54</b>	<b>65</b>	<b>111</b>	<b>288</b>	<b>571</b>	<b>1453</b>	<b>0</b>

Note: \*ICD Codes, Tenth Revision.

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



**TABLE F-17. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**

**ALL RACES, MALES**

Cause of Death*	Age of Decedent											Unk	
	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74		75+
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	1080	1	0	0	0	1	6	29	70	150	246	577	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	3	0	0	0	0	0	0	0	2	1	0	0	0
Hypertensive heart disease (I11)	60	0	0	0	0	1	7	10	17	17	14	11	0
Hypertensive heart and renal disease (I13)	8	0	0	0	0	0	0	0	1	0	2	5	0
Ischemic heart disease (I20-I25)	717	0	0	0	0	0	1	16	39	105	164	392	0
All other forms of heart disease (I26-I51)	292	1	0	0	0	1	4	6	18	27	66	169	0
<b>Malignant neoplasms (C00-C97)</b>	1152	0	1	1	2	3	5	17	54	214	351	502	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	21	0	0	0	0	0	0	0	1	8	6	6	0
Malignant neoplasms of digestive organs (C15-C26)	344	0	0	0	0	0	2	6	25	93	93	125	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	309	0	0	0	0	0	0	5	11	52	113	128	0
Malignant neoplasms of breast (C50)	2	0	0	0	0	0	0	0	0	1	1	0	0
Malignant neoplasms of male genital organs, (C60-C63)	102	0	0	0	0	0	1	0	1	8	32	60	0
Malignant neoplasms of urinary tract (C64-C68)	95	0	0	0	0	0	0	0	1	11	28	55	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	38	0	1	1	1	1	0	1	4	11	8	9	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	139	0	0	0	0	1	2	2	6	18	39	69	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	102	0	0	0	1	0	0	3	5	12	31	50	0
<b>Cerebrovascular diseases (I60-I69)</b>	214	1	0	0	0	0	0	2	8	19	39	145	0

See footnote at the end of the table

**TABLE F-17. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**

**ALL RACES, MALES - CONTINUED**

	Age of Decedent													Unk	
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+		
Chronic lower respiratory diseases (J40-J47)	222	0	1	0	0	0	0	0	0	1	5	26	74	115	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	363	1	0	1	7	26	84	60	60	72	45	31	31	35	0
Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	89	0	0	1	4	12	16	14	14	14	13	9	9	5	0
Nontransport Accidents (W00-X59, Y86)	271	1	0	0	3	14	67	46	58	31	22	22	29	29	0
Diabetes mellitus (E10-E14)	111	0	0	0	0	2	0	0	5	10	26	26	42	42	0
Influenza and pneumonia (J10-J18)	67	0	0	0	0	0	0	0	1	4	9	15	38	38	0
Alzheimer's disease (G30)	119	0	0	0	0	0	0	0	0	0	3	14	102	102	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	108	0	0	0	0	0	0	0	1	4	17	18	68	68	0
Septicemia (A40-A41)	75	1	0	0	1	0	0	4	7	13	17	32	32	32	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	98	0	0	0	1	3	8	11	11	21	18	13	12	12	0
Chronic liver disease and cirrhosis (K70, K73-K74)	46	0	0	0	0	0	0	0	1	9	12	17	7	7	0
Essential hypertension and hypertensive renal disease (I10, I12)	27	0	0	0	0	0	0	0	0	2	4	3	18	18	0
Aortic aneurysm and dissection (I71)	21	0	0	0	0	0	0	0	0	3	3	7	8	8	0
Assault (homicide) (X85-Y09, Y87.1)	52	0	1	0	8	8	20	7	6	0	0	1	1	1	0
Human immunodeficiency virus (HIV) (B20-B24)	10	0	0	0	0	1	3	0	3	3	0	0	0	0	0
Certain conditions originating in the perinatal period (P00-P96)	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	13	4	1	1	1	0	0	0	1	0	2	2	1	1	0
All other causes	789	9	1	2	0	3	1	9	16	55	106	146	441	441	0
<b>TOTAL</b>	<b>4597</b>	<b>47</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>26</b>	<b>48</b>	<b>138</b>	<b>156</b>	<b>333</b>	<b>670</b>	<b>1020</b>	<b>2144</b>	<b>2144</b>	<b>0</b>

Note: \*ICD Codes, Tenth Revision.

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

**TABLE F-18. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**  
**ALL RACES, FEMALES**

Cause of Death*	Age of Decedent													Unk
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	875	1	0	0	0	0	0	3	6	28	71	121	644	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	7	0	0	0	0	0	0	0	0	0	0	0	7	0
Hypertensive heart disease (I11)	46	0	0	0	0	0	1	1	1	7	9	12	16	0
Hypertensive heart and renal disease (I13)	10	0	0	0	0	0	0	0	0	0	1	1	8	0
Ischemic heart disease (I20-I25)	495	0	0	0	0	0	0	0	2	12	39	71	371	0
All other forms of heart disease (I26-I51)	317	1	0	0	0	1	0	2	3	9	22	37	242	0
<b>Malignant neoplasms (C00-C97)</b>	973	0	0	0	0	1	0	11	16	68	182	259	436	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	9	0	0	0	0	0	0	0	0	0	6	1	2	0
Malignant neoplasms of digestive organs (C15-C26)	206	0	0	0	0	0	0	1	2	15	30	48	110	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	269	0	0	0	0	0	0	1	0	19	60	88	101	0
Malignant neoplasms of breast (C50)	142	0	0	0	0	0	0	1	3	17	33	31	57	0
Malignant neoplasms of female genital organs, (C51-C58)	97	0	0	0	0	0	0	1	4	5	23	24	40	0
Malignant neoplasms of urinary tract (C64-C68)	41	0	0	0	0	0	0	0	1	1	1	13	25	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	29	0	0	0	0	0	0	2	1	1	5	10	10	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	82	0	0	0	0	0	0	2	2	5	8	22	43	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	98	0	0	0	0	1	0	3	3	5	16	22	48	0
<b>Cerebrovascular diseases (I60-I69)</b>	289	0	0	0	0	0	0	1	2	7	19	37	223	0

See footnote at the end of the table

**TABLE F-18. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**

**ALL RACES, FEMALES - CONTINUED**

	Age of Decedent													Unk
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
Chronic lower respiratory diseases (J40-J47)	318	0	0	0	1	0	0	0	2	4	29	80	202	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	171	1	1	0	0	1	10	28	16	30	32	9	43	0
Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	29	0	0	0	0	0	4	4	3	3	6	4	5	0
Nontransport Accidents (W00-X59, Y86)	140	1	1	0	0	1	5	24	13	26	26	5	38	0
Diabetes mellitus (E10-E14)	92	0	0	0	0	0	0	1	5	5	9	26	46	0
Influenza and pneumonia (J10-J18)	66	0	0	0	0	0	0	0	1	2	9	11	43	0
Alzheimer's disease (G30)	210	0	0	0	0	0	0	0	0	0	3	13	194	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	100	0	0	0	0	0	1	0	2	3	16	16	62	0
Septicemia (A40-A41)	68	1	0	0	0	0	1	0	1	2	7	16	40	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	21	0	0	0	0	1	0	6	1	4	9	0	0	0
Chronic liver disease and cirrhosis (K70, K73-K74)	46	0	0	0	0	0	0	2	2	8	13	12	9	0
Essential hypertension and hypertensive renal disease (I10, I12)	31	0	0	0	0	0	0	0	2	3	2	2	22	0
Aortic aneurysm and dissection (I71)	13	0	0	0	0	0	0	0	0	1	0	1	11	0
Assault (homicide) (X85-Y09, Y87.1)	12	0	0	0	0	2	2	4	0	2	2	0	0	0
Human immunodeficiency virus (HIV) (B20-B24)	7	0	0	0	0	1	0	0	1	3	1	1	0	0
Certain conditions originating in the perinatal period (P00-P96)	25	25	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	10	5	1	0	1	0	0	0	1	0	1	0	1	0
All Other Causes	948	7	0	3	1	0	1	9	13	34	69	139	672	0
<b>TOTAL</b>	<b>4275</b>	<b>40</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>16</b>	<b>65</b>	<b>71</b>	<b>204</b>	<b>474</b>	<b>743</b>	<b>2648</b>	<b>0</b>

Note: \*ICD Codes, Tenth Revision.

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

**TABLE F-19. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**

**WHITE, BOTH SEXES**

Cause of Death*	Age of Decedent													Unk
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	1591	2	0	0	0	0	1	5	19	59	168	277	1060	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	9	0	0	0	0	0	0	0	0	1	1	0	7	0
Hypertensive heart disease (I11)	75	0	0	0	0	0	0	2	3	10	23	15	22	0
Hypertensive heart and renal disease (I13)	9	0	0	0	0	0	0	0	0	1	0	2	6	0
Ischemic heart disease (I20-I25)	998	0	0	0	0	0	1	11	34	110	181	661	0	0
All other forms of heart disease (I26-I51)	500	2	0	0	0	0	1	2	5	13	34	79	364	0
<b>Malignant neoplasms (C00-C97)</b>	1742	0	1	1	1	2	3	15	22	88	309	496	804	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	22	0	0	0	0	0	0	0	0	0	12	5	5	0
Malignant neoplasms of digestive organs (C15-C26)	439	0	0	0	0	0	0	2	7	25	86	115	204	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	483	0	0	0	0	0	0	1	4	24	95	169	190	0
Malignant neoplasms of breast (C50)	117	0	0	0	0	0	0	1	1	14	30	22	49	0
Malignant neoplasms of female genital organs, (C51-C58)	75	0	0	0	0	0	0	1	2	5	15	20	32	0
Malignant neoplasms of male genital organs, (C60-C63)	72	0	0	0	0	0	0	1	0	1	5	20	45	0
Malignant neoplasms of urinary tract (C64-C68)	118	0	0	0	0	0	0	0	1	1	8	34	74	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	61	0	1	1	0	1	1	2	2	3	15	16	19	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	182	0	0	0	0	1	2	4	0	8	18	48	101	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	173	0	0	0	0	1	0	3	5	7	25	47	85	0
<b>Cerebrovascular diseases (I60-I69)</b>	387	1	0	0	0	0	0	1	2	10	20	48	305	0

See footnote at the end of the table

**TABLE F-19. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**

**WHITE, BOTH SEXES - CONTINUED**

	Age of Decedent												Unk	
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74		75+
<b>Chronic lower respiratory diseases (J40-J47)</b>	470	0	0	0	1	0	0	0	3	7	46	138	275	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	437	0	0	1	1	6	28	99	58	82	57	31	74	0
Nontransport Accidents (W00-X59, Y86)	83	0	0	1	1	2	11	17	9	14	12	8	8	0
<b>Diabetes mellitus (E10-E14)</b>	351	0	0	0	0	4	17	81	49	67	45	23	65	0
<b>Influenza and pneumonia (J10-J18)</b>	148	0	0	0	0	2	0	0	3	11	25	36	71	0
<b>Alzheimer's disease (G30)</b>	113	0	0	0	0	0	0	0	2	4	15	21	71	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	271	0	0	0	0	0	0	0	0	0	4	20	247	0
<b>Septicemia (A40-A41)</b>	156	0	0	0	0	0	0	0	3	4	21	25	103	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	115	1	0	0	0	0	0	0	4	8	14	26	62	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	106	0	0	0	1	4	5	12	9	23	27	13	12	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	79	0	0	0	0	0	0	2	2	14	22	26	13	0
<b>Aortic aneurysm and dissection (I71)</b>	39	0	0	0	0	0	0	0	1	3	3	0	32	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	25	0	0	0	0	0	0	0	0	2	2	5	16	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	16	0	1	0	0	1	3	3	4	1	2	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	4	0	0	0	0	0	0	1	1	1	1	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	19	19	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	16	6	1	1	1	0	0	0	1	0	3	2	2	0
<b>TOTAL</b>	1439	7	0	1	0	1	2	6	21	62	136	231	972	0
	7173	36	3	4	4	16	42	144	155	379	875	1396	4119	0

Note: \*ICD Codes, Tenth Revision.

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

**TABLE F-20. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**  
**WHITE MALES**

Cause of Death*	Age of Decedent													Unk
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	870	1	0	0	0	0	1	3	17	44	114	185	505	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	2	0	0	0	0	0	0	0	0	1	1	0	0	0
Hypertensive heart disease (I11)	44	0	0	0	0	0	1	3	6	15	8	11	0	0
Hypertensive heart and renal disease (I13)	4	0	0	0	0	0	0	0	0	1	0	1	2	0
Ischemic heart disease (I20-I25)	584	0	0	0	0	0	1	11	27	81	125	339	0	0
All other forms of heart disease (I26-I51)	236	1	0	0	0	1	1	3	9	17	51	153	0	0
<b>Malignant neoplasms (C00-C97)</b>	951	0	1	1	1	2	3	4	13	36	166	287	437	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	13	0	0	0	0	0	0	0	0	0	6	4	3	0
Malignant neoplasms of digestive organs (C15-C26)	276	0	0	0	0	0	0	1	5	15	63	77	115	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	261	0	0	0	0	0	0	0	4	8	47	92	110	0
Malignant neoplasms of breast (C50)	2	0	0	0	0	0	0	0	0	0	1	1	0	0
Malignant neoplasms of male genital organs, (C60-C63)	72	0	0	0	0	0	1	0	0	1	5	20	45	0
Malignant neoplasms of urinary tract (C64-C68)	83	0	0	0	0	0	0	0	0	1	8	24	50	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	34	0	1	1	1	1	1	0	1	3	10	7	9	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	119	0	0	0	0	1	2	2	0	4	15	33	62	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	91	0	0	0	0	1	0	0	3	4	11	29	43	0
<b>Cerebrovascular diseases (I60-I69)</b>	157	1	0	0	0	0	0	0	1	4	9	26	116	0

See footnotes at the end of the table

**TABLE F-20. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**  
**WHITE MALES - CONTINUED**

	Age of Decedent													Unk
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
Chronic lower respiratory diseases (J40-J47)	189	0	0	0	0	0	0	0	1	4	22	61	101	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	293	0	0	1	1	5	20	75	43	58	33	23	34	0
Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	62	0	0	1	1	2	7	14	7	12	9	5	4	0
Nontransport Accidents (W00-X59, Y86)	229	0	0	0	0	3	13	60	36	46	24	18	29	0
Diabetes mellitus (E10-E14)	81	0	0	0	0	2	0	0	0	6	20	19	34	0
Influenza and pneumonia (J10-J18)	55	0	0	0	0	0	0	0	1	3	7	12	32	0
Alzheimer's disease (G30)	100	0	0	0	0	0	0	0	0	0	2	9	89	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	80	0	0	0	0	0	0	0	1	1	11	13	54	0
Septicemia (A40-A41)	60	1	0	0	0	0	0	0	3	6	10	12	28	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	87	0	0	0	1	3	5	8	8	19	18	13	12	0
Chronic liver disease and cirrhosis (K70, K73-K74)	42	0	0	0	0	0	0	0	1	8	11	16	6	0
Essential hypertension and hypertensive renal disease (I10, I12)	18	0	0	0	0	0	0	0	0	1	2	0	15	0
Aortic aneurysm and dissection (I71)	16	0	0	0	0	0	0	0	0	1	2	5	8	0
Assault (homicide) (X85-Y09, Y87.1)	13	0	1	0	0	1	3	2	4	1	0	1	0	0
Human immunodeficiency virus (HIV) (B20-B24)	3	0	0	0	0	0	0	1	0	1	1	0	0	0
Certain conditions originating in the perinatal period (P00-P96)	12	12	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	9	3	0	1	0	0	0	0	0	0	2	2	1	0
All other causes	659	3	0	1	0	1	1	3	12	41	83	125	389	0
<b>TOTAL</b>	<b>3695</b>	<b>21</b>	<b>2</b>	<b>4</b>	<b>3</b>	<b>14</b>	<b>33</b>	<b>96</b>	<b>105</b>	<b>234</b>	<b>513</b>	<b>809</b>	<b>1861</b>	<b>0</b>

Note: \*ICD Codes, Tenth Revision.

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



TABLE F-21. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016

WHITE FEMALES

Cause of Death*	Age of Decedent											Unk		
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	721	1	0	0	0	0	0	2	2	15	54	92	555	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	7	0	0	0	0	0	0	0	0	0	0	0	7	0
Hypertensive heart disease (I11)	31	0	0	0	0	0	0	1	0	4	8	7	11	0
Hypertensive heart and renal disease (I13)	5	0	0	0	0	0	0	0	0	0	0	1	4	0
Ischemic heart disease (I20-I25)	414	0	0	0	0	0	0	0	0	7	29	56	322	0
All other forms of heart disease (I26-I51)	264	1	0	0	0	0	0	1	2	4	17	28	211	0
<b>Malignant neoplasms (C00-C97)</b>	791	0	0	0	0	0	0	11	9	52	143	209	367	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	9	0	0	0	0	0	0	0	0	0	6	1	2	0
Malignant neoplasms of digestive organs (C15-C26)	163	0	0	0	0	0	0	1	2	10	23	38	89	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	222	0	0	0	0	0	0	1	0	16	48	77	80	0
Malignant neoplasms of breast (C50)	115	0	0	0	0	0	0	1	1	14	29	21	49	0
Malignant neoplasms of female genital organs, (C51-C58)	75	0	0	0	0	0	0	1	2	5	15	20	32	0
Malignant neoplasms of urinary tract (C64-C68)	35	0	0	0	0	0	0	0	1	0	0	10	24	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	27	0	0	0	0	0	0	2	1	0	5	9	10	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	63	0	0	0	0	0	0	2	0	4	3	15	39	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	82	0	0	0	0	0	0	3	2	3	14	18	42	0
<b>Cerebrovascular diseases (I60-I69)</b>	230	0	0	0	0	0	0	1	1	6	11	22	189	0

See footnotes at the end of the table

TABLE F-21. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016

WHITE FEMALES - CONTINUED

	Age of Decedent											Unk		
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+
<b>Chronic lower respiratory diseases (J40-J47)</b>	281	0	0	0	1	0	0	0	2	3	24	77	174	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	144	0	0	0	0	1	8	24	15	24	24	8	40	0
Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	21	0	0	0	0	0	4	3	2	2	3	3	4	0
Nontransport Accidents (W00-X59, Y86)	122	0	0	0	0	1	4	21	13	21	21	5	36	0
<b>Diabetes mellitus (E10-E14)</b>	67	0	0	0	0	0	0	0	3	5	5	17	37	0
<b>Influenza and pneumonia (J10-J18)</b>	58	0	0	0	0	0	0	0	1	1	8	9	39	0
<b>Alzheimer's disease (G30)</b>	171	0	0	0	0	0	0	0	0	0	2	11	158	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	76	0	0	0	0	0	0	0	2	3	10	12	49	0
<b>Septicemia (A40-A41)</b>	55	0	0	0	0	0	0	0	1	2	4	14	34	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	19	0	0	0	0	1	0	4	1	4	9	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	37	0	0	0	0	0	0	2	1	6	11	10	7	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	21	0	0	0	0	0	0	0	1	2	1	0	17	0
<b>Aortic aneurysm and dissection (I71)</b>	9	0	0	0	0	0	0	0	0	1	0	0	8	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	3	0	0	0	0	0	0	1	0	0	2	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	1	0	0	0	0	0	0	0	1	0	0	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	7	7	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	7	3	1	0	0	0	0	0	1	0	1	0	1	0
<b>All other causes</b>	780	4	0	0	0	0	1	3	9	21	53	106	583	0
<b>TOTAL</b>	3478	15	1	0	1	2	9	48	50	145	362	587	2258	0

Note: \*ICD Codes, Tenth Revision.

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

**TABLE F-22. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016  
BLACK, BOTH SEXES**

Cause of Death*	Age of Decedent													
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	Unk
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>														
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	331	0	0	0	0	1	0	3	16	39	51	82	139	0
Hypertensive heart disease (I11)	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Hypertensive heart and renal disease (I13)	29	0	0	0	0	0	0	0	5	7	3	11	3	0
Ischemic heart disease (I20-I25)	9	0	0	0	0	0	0	0	0	0	1	1	7	0
All other forms of heart disease (I26-I51)	190	0	0	0	0	0	0	0	7	17	32	48	86	0
<b>Malignant neoplasms (C00-C97)</b>														
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	102	0	0	0	0	1	0	3	4	14	15	22	43	0
Malignant neoplasms of digestive organs (C15-C26)	343	0	0	0	0	0	0	1	10	29	79	101	121	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	5	0	0	0	0	0	0	0	0	0	1	2	2	0
Malignant neoplasms of breast (C50)	95	0	0	0	0	0	0	1	1	13	31	21	28	0
Malignant neoplasms of female genital organs, (C51-C58)	89	0	0	0	0	0	0	0	1	5	17	32	34	0
Malignant neoplasms of male genital organs, (C60-C63)	27	0	0	0	0	0	0	0	2	3	4	10	8	0
Malignant neoplasms of urinary tract (C64-C68)	20	0	0	0	0	0	0	0	1	0	8	4	7	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	29	0	0	0	0	0	0	0	0	0	3	11	15	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	18	0	0	0	0	0	0	0	0	1	4	7	6	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	5	0	0	0	0	0	0	0	0	2	1	1	0	0
<b>Cerebrovascular diseases (I60-I69)</b>														
	31	0	0	0	0	0	0	0	4	3	8	7	9	0
	24	0	0	0	0	0	0	0	1	2	2	6	12	0
	101	0	0	0	0	0	0	0	2	5	17	22	55	0

See footnotes at the end of the table

**TABLE F-22. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016  
BLACK, BOTH SEXES - CONTINUED**

	Age of Decedent													
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	Unk
Chronic lower respiratory diseases (J40-J47)	65	0	1	0	0	0	0	0	0	2	9	13	40	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	90	2	1	0	0	2	7	12	17	19	17	9	4	0
Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	32	0	0	0	0	2	4	3	7	3	6	5	2	0
Nontransport Accidents (W00-X59, Y86)	56	2	1	0	0	0	2	9	10	16	10	4	2	0
Diabetes mellitus (E10-E14)	51	0	0	0	0	0	0	1	7	4	10	14	15	0
Influenza and pneumonia (J10-J18)	15	0	0	0	0	0	0	0	0	2	1	4	8	0
Alzheimer's disease (G30)	51	0	0	0	0	0	0	0	0	0	1	7	43	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	48	0	0	0	0	0	1	0	0	3	12	7	25	0
Septicemia (A40-A41)	25	1	0	0	0	0	1	0	1	1	6	6	9	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	12	0	0	0	0	0	3	4	3	2	0	0	0	0
Chronic liver disease and cirrhosis (K70, K73-K74)	8	0	0	0	0	0	0	0	0	2	2	2	2	0
Essential hypertension and hypertensive renal disease (I10, I12)	18	0	0	0	0	0	0	0	1	2	3	5	7	0
Aortic aneurysm and dissection (I71)	9	0	0	0	0	0	0	0	0	2	1	3	3	0
Assault (homicide) (X85-Y09, Y87.1)	44	0	0	0	0	8	6	20	2	7	0	0	1	0
Human immunodeficiency virus (HIV) (B20-B24)	13	0	0	0	0	0	2	2	0	5	3	1	0	0
Certain conditions originating in the perinatal period (P00-P96)	27	27	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	7	3	1	0	2	0	0	0	1	0	0	0	0	0
All other causes	263	7	1	3	1	2	0	10	8	24	34	49	124	0
<b>TOTAL</b>	<b>1521</b>	<b>40</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>13</b>	<b>20</b>	<b>53</b>	<b>68</b>	<b>148</b>	<b>246</b>	<b>325</b>	<b>596</b>	<b>0</b>

Note: \*ICD Codes, Tenth Revision.  
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**TABLE F-23. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**

**BLACK MALES**

Cause of Death*	Age of Decedent													
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	Unk
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	193	0	0	0	0	0	0	2	12	26	34	56	63	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Hypertensive heart disease (I11)	16	0	0	0	0	0	0	0	4	4	2	6	0	0
Hypertensive heart and renal disease (I13)	4	0	0	0	0	0	0	0	0	0	0	1	3	0
Ischemic heart disease (I20-I25)	120	0	0	0	0	0	0	0	5	12	22	35	46	0
All other forms of heart disease (I26-I51)	52	0	0	0	0	0	0	2	3	9	10	14	14	0
<b>Malignant neoplasms (C00-C97)</b>	176	0	0	0	0	1	0	1	4	15	42	56	57	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5	0	0	0	0	0	0	0	0	0	1	2	2	0
Malignant neoplasms of digestive organs (C15-C26)	58	0	0	0	0	0	0	1	1	9	25	13	9	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	43	0	0	0	0	0	0	0	1	2	5	21	14	0
Malignant neoplasms of breast (C50)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of male genital organs, (C60-C63)	29	0	0	0	0	0	0	0	0	0	3	11	15	0
Malignant neoplasms of urinary tract (C64-C68)	12	0	0	0	0	0	0	0	0	0	3	4	5	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	3	0	0	0	0	1	0	0	0	1	1	0	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	16	0	0	0	0	0	0	0	2	2	3	3	6	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	10	0	0	0	0	0	0	0	0	1	1	2	6	0
<b>Cerebrovascular diseases (I60-I69)</b>	50	0	0	0	0	0	0	0	1	4	9	10	26	0

See footnotes at the end of the table

**TABLE F-23. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**

**BLACK MALES - CONTINUED**

	Age of Decedent											Unk		
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+
Chronic lower respiratory diseases (J40-J47)	29	0	1	0	0	0	0	0	0	1	4	10	13	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	65	1	0	0	0	2	5	8	16	13	11	8	1	0
Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	24	0	0	0	0	2	4	2	6	2	3	4	1	0
Nontransport Accidents (W00-X59, Y86)	40	1	0	0	0	0	1	6	10	11	7	4	0	0
Diabetes mellitus (E10-E14)	30	0	0	0	0	0	0	0	5	4	6	7	8	0
Influenza and pneumonia (J10-J18)	7	0	0	0	0	0	0	0	0	1	0	2	4	0
Alzheimer's disease (G30)	18	0	0	0	0	0	0	0	0	0	1	5	12	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	26	0	0	0	0	0	0	0	0	3	6	3	14	0
Septicemia (A40-A41)	14	0	0	0	0	0	0	0	1	1	3	5	4	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	11	0	0	0	0	0	3	3	3	2	0	0	0	0
Chronic liver disease and cirrhosis (K70, K73-K74)	3	0	0	0	0	0	0	0	0	1	0	1	1	0
Essential hypertension and hypertensive renal disease (I10, I12)	9	0	0	0	0	0	0	0	0	1	2	3	3	0
Aortic aneurysm and dissection (I71)	5	0	0	0	0	0	0	0	0	2	1	2	0	0
Assault (homicide) (X85-Y09, Y87.1)	35	0	0	0	0	6	4	17	2	5	0	0	1	0
Human immunodeficiency virus (HIV) (B20-B24)	7	0	0	0	0	0	1	2	0	2	2	0	0	0
Certain conditions originating in the perinatal period (P00-P96)	14	14	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	4	1	1	0	1	0	0	0	1	0	0	0	0	0
All other causes	117	5	1	1	0	2	0	5	4	11	21	20	47	0
<b>TOTAL</b>	<b>813</b>	<b>21</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>10</b>	<b>13</b>	<b>38</b>	<b>49</b>	<b>92</b>	<b>142</b>	<b>188</b>	<b>254</b>	<b>0</b>

Note: \*ICD Codes, Tenth Revision.

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

**TABLE F-24. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**

**BLACK FEMALES**

Cause of Death*	Age of Decedent											Unk		
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	138	0	0	0	0	1	0	1	4	13	17	26	76	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertensive heart disease (I11)	13	0	0	0	0	0	0	1	3	1	3	5	3	0
Hypertensive heart and renal disease (I13)	5	0	0	0	0	0	0	0	0	0	1	0	4	0
Ischemic heart disease (I20-I25)	70	0	0	0	0	0	0	2	5	10	13	40	0	0
All other forms of heart disease (I26-I51)	50	0	0	0	0	1	0	1	5	5	8	29	0	0
<b>Malignant neoplasms (C00-C97)</b>	167	0	0	0	1	0	0	6	14	37	45	64	0	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of digestive organs (C15-C26)	37	0	0	0	0	0	0	0	4	6	8	19	0	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	46	0	0	0	0	0	0	0	3	12	11	20	0	0
Malignant neoplasms of breast (C50)	27	0	0	0	0	0	0	2	3	4	10	8	0	0
Malignant neoplasms of female genital organs, (C51-C58)	20	0	0	0	0	0	0	1	0	8	4	7	0	0
Malignant neoplasms of urinary tract (C64-C68)	6	0	0	0	0	0	0	0	1	1	3	1	0	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	2	0	0	0	0	0	0	0	1	0	1	0	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	15	0	0	0	0	0	0	2	1	5	4	3	0	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	14	0	0	0	1	0	0	1	1	1	4	6	0	0
<b>Cerebrovascular diseases (I60-I69)</b>	51	0	0	0	0	0	0	1	1	8	12	29	0	0

**TABLE F-24. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2016**

**BLACK FEMALES - CONTINUED**

	Age of Decedent											Unk	
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74
Chronic lower respiratory diseases (J40-J47)	36	0	0	0	0	0	0	0	0	1	5	3	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	25	1	1	0	0	2	4	1	6	6	3	1	3
Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	8	0	0	0	0	0	1	1	1	3	1	1	0
Nontransport Accidents (W00-X59, Y86)	16	1	1	0	0	1	3	0	5	3	0	2	0
Diabetes mellitus (E10-E14)	21	0	0	0	0	0	1	2	0	4	7	7	0
Influenza and pneumonia (J10-J18)	8	0	0	0	0	0	0	0	1	1	2	4	0
Alzheimer's disease (G30)	33	0	0	0	0	0	0	0	0	0	2	31	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	22	0	0	0	0	1	0	0	0	6	4	11	0
Septicemia (A40-A41)	11	1	0	0	0	1	0	0	0	3	1	5	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	1	0	0	0	0	0	1	0	0	0	0	0	0
Chronic liver disease and cirrhosis (K70, K73-K74)	5	0	0	0	0	0	0	0	1	2	1	1	0
Essential hypertension and hypertensive renal disease (I10, I12)	9	0	0	0	0	0	0	1	1	1	2	4	0
Aortic aneurysm and dissection (I71)	4	0	0	0	0	0	0	0	0	0	1	3	0
Assault (homicide) (X85-Y09, Y87.1)	9	0	0	0	0	2	3	0	2	0	0	0	0
Human immunodeficiency virus (HIV) (B20-B24)	6	0	0	0	0	1	0	0	3	1	1	0	0
Certain conditions originating in the perinatal period (P00-P96)	13	13	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	3	2	0	0	1	0	0	0	0	0	0	0	0
All other causes	146	2	0	2	1	0	5	4	13	13	29	77	0
<b>TOTAL</b>	<b>708</b>	<b>19</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>15</b>	<b>19</b>	<b>56</b>	<b>104</b>	<b>137</b>	<b>342</b>

Note: \*ICD Codes, Tenth Revision.

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



**TABLE F-25. HIV INFECTION/AIDS<sup>1</sup> DEATHS BY COUNTY, RACE, HISPANIC<sup>2</sup> ORIGIN AND SEX, DELAWARE AND COUNTIES, 2002-2016**

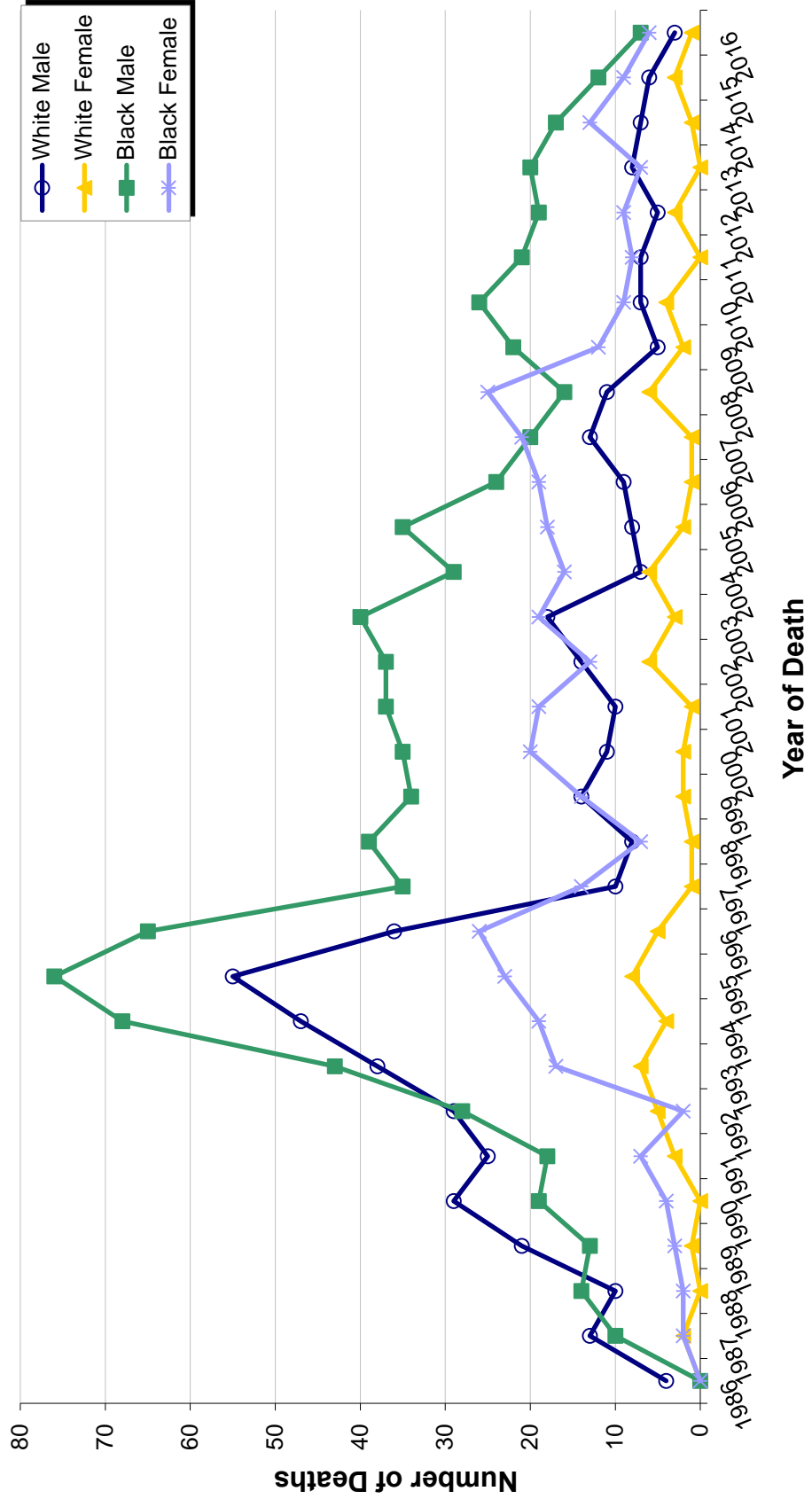
Area/ Race	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
<b>Delaware</b>	70	80	58	63	53	55	58	41	46	36	36	36	38	31	17
Males	51	58	36	43	33	33	27	27	33	28	24	28	24	19	10
White	14	18	7	8	9	13	11	5	7	7	5	8	7	6	3
Black	37	40	29	35	24	20	16	22	26	21	19	20	17	12	7
Females	19	22	22	20	20	22	31	14	13	8	12	8	14	12	7
White	6	3	6	2	1	1	6	2	4	0	3	0	1	3	1
Black	13	19	16	18	19	21	25	12	9	8	9	7	13	9	6
<b>Kent</b>	4	8	8	5	11	9	8	5	10	5	8	4	4	8	3
Males	4	7	5	2	7	5	2	5	6	5	6	4	2	6	1
White	0	2	2	0	1	2	1	2	2	2	2	1	0	1	0
Black	4	5	3	2	6	3	1	3	4	3	4	3	2	5	1
Females	0	1	3	3	4	4	6	0	4	0	2	0	2	2	2
White	0	1	0	0	0	0	1	0	0	0	0	0	0	0	1
Black	0	0	3	3	4	4	5	0	4	0	2	0	2	2	1
<b>New Castle</b>	56	69	46	51	34	39	42	34	31	25	27	27	27	18	9
Males	40	49	29	35	19	21	17	21	23	18	17	19	18	10	5
White	9	15	4	6	5	6	4	2	2	4	3	4	6	2	1
Black	31	34	25	29	14	15	13	19	21	14	14	15	12	7	4
Females	16	20	17	16	15	18	25	13	8	7	10	8	9	8	4
White	4	2	5	2	1	1	5	1	4	0	3	0	1	2	0
Black	12	18	12	14	14	17	20	12	4	7	7	7	8	6	4
Wilmington	28	43	25	33	19	22	29	27	19	15	15	18	21	8	3
Males	22	30	15	21	7	10	13	16	16	9	9	13	16	4	1
White	4	5	0	2	0	0	1	1	0	0	2	1	4	0	0
Black	18	25	15	19	7	10	12	15	16	9	7	12	12	4	1
Females	6	13	10	12	12	12	16	11	3	6	6	5	5	4	2
White	0	0	1	1	1	1	3	1	1	0	0	0	0	1	0
Black	6	13	9	11	11	11	13	10	2	6	6	4	5	3	2
Bal of NCCo	28	26	21	18	15	17	13	7	12	10	12	9	6	10	6
Males	18	19	14	14	12	11	4	5	7	9	8	6	2	6	4
White	5	10	4	4	5	6	3	1	2	4	1	3	2	2	1
Black	13	9	10	10	7	5	1	4	5	5	7	3	0	3	3
Females	10	7	7	4	3	6	9	2	5	1	4	3	4	4	2
White	4	2	4	1	0	0	2	0	3	0	3	0	1	1	0
Black	6	5	3	3	3	6	7	2	2	1	1	3	3	3	2
<b>Sussex</b>	10	3	4	7	8	7	8	2	5	6	1	5	7	5	5
Males	7	2	2	6	7	7	8	1	4	5	1	5	4	3	4
White	5	1	1	2	3	5	6	1	3	1	0	3	1	3	2
Black	2	1	1	4	4	2	2	0	1	4	1	2	3	0	2
Females	3	1	2	1	1	0	0	1	1	1	0	0	3	2	1
White	2	0	1	0	0	0	0	1	0	0	0	0	0	1	0
Black	1	1	1	1	1	0	0	0	1	1	0	0	3	1	1
<b>Hispanic</b>	4	2	1	2	1	1	1	1	1	2	0	1	4	1	1
Males	4	1	0	2	0	0	1	1	1	2	0	0	4	1	0
Females	0	1	1	0	1	1	0	0	0	0	0	1	0	0	1

*Notes:*

1. See Table F-12 for ICD-9 and ICD-10 Codes.
2. People of Hispanic origin may be of any race. See Hispanic Origin in the Technical Notes.

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

**Figure F-3. Number of HIV Deaths by Race and Sex, Delaware, 1986-2016**



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

**TABLE F-26. NUMBER AND PERCENT OF DEATHS BY METHOD OF DISPOSITION, RACE, COUNTY, AND CITY OF WILMINGTON, DELAWARE, 2016**

Area/ Method of Disposition	Race							
	All Races		White		Black		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	8,872	100.0	7,173	100.0	1,521	100.0	178	100.0
Burial	3,980	44.9	2,976	41.5	938	61.7	66	37.1
Cremation	4,428	49.9	3,785	52.8	546	35.9	97	54.5
Donation	141	1.6	134	1.9	6	0.4	1	0.6
Entombment	142	1.6	137	1.9	3	0.2	2	1.1
Removal from State	171	1.9	133	1.9	27	1.8	11	6.2
Unknown	10	0.1	8	0.1	1	0.1	1	0.6
<b>Kent</b>	1,626	100.0	1,261	100.0	325	100.0	40	100.0
Burial	782	48.1	553	43.9	215	66.2	14	35.0
Cremation	790	48.6	663	52.6	105	32.3	22	55.0
Donation	15	0.9	15	1.2	0	0.0	0	0.0
Entombment	4	0.2	3	0.2	1	0.3	0	0.0
Removal from State	33	2.0	26	2.1	4	1.2	3	7.5
Unknown	2	0.1	1	0.1	0	0.0	1	2.5
<b>New Castle</b>	4,666	100.0	3,579	100.0	975	100.0	112	100.0
Burial	2,183	46.8	1,579	44.1	568	58.3	36	32.1
Cremation	2,221	47.6	1,771	49.5	384	39.4	66	58.9
Donation	58	1.2	54	1.5	4	0.4	0	0.0
Entombment	113	2.4	110	3.1	1	0.1	2	1.8
Removal from State	87	1.9	61	1.7	18	1.8	8	7.1
Unknown	4	0.1	4	0.1	0	0.0	0	0.0
Wilmington	716	100.0	293	100.0	407	100.0	16	100.0
Burial	359	50.1	119	40.6	231	56.8	9	56.3
Cremation	320	44.7	147	50.2	166	40.8	7	43.8
Donation	9	1.3	7	2.4	2	0.5	0	0.0
Entombment	15	2.1	15	5.1	0	0.0	0	0.0
Removal from State	12	1.7	4	1.4	8	2.0	0	0.0
Unknown/Other	1	0.1	1	0.3	0	0.0	0	0.0
Balance of NC County	3,950	100.0	3,286	100.0	568	100.0	96	100.0
Burial	1,824	46.2	1,460	44.4	337	59.3	27	28.1
Cremation	1,901	48.1	1,624	49.4	218	38.4	59	61.5
Donation	49	1.2	47	1.4	2	0.4	0	0.0
Entombment	98	2.5	95	2.9	1	0.2	2	2.1
Removal from State	75	1.9	57	1.7	10	1.8	8	8.3
Unknown	3	0.1	3	0.1	0	0.0	0	0.0
<b>Sussex</b>	2,580	100.0	2,333	100.0	221	100.0	26	100.0
Burial	1,015	39.3	844	36.2	155	70.1	16	61.5
Cremation	1,417	54.9	1,351	57.9	57	25.8	9	34.6
Donation	68	2.6	65	2.8	2	0.9	1	3.8
Entombment	25	1.0	24	1.0	1	0.5	0	0.0
Removal from State	51	2.0	46	2.0	5	2.3	0	0.0
Unknown	4	0.2	3	0.1	1	0.5	0	0.0

Note: Percentages are calculated based upon the total number of deaths in each race category.

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

**TABLE F-27. LIFE EXPECTANCY AT BIRTH\* BY RACE AND SEX, DELAWARE, 1996-2016**

Year	Race and Sex								
	All Races			White			Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
2016	78.8	75.7	81.8	79.0	76.0	82.1	76.1	72.1	79.9
2015	79.2	76.5	81.9	79.7	77.0	82.5	76.9	74.1	79.3
2014	79.6	76.9	82.1	79.8	77.1	82.5	76.7	73.8	79.4
2013	78.9	76.2	81.5	79.3	76.7	81.8	76.8	73.5	79.7
2012	79.5	77.0	81.8	79.7	77.3	81.9	77.8	74.3	81.1
2011	79.1	76.6	81.5	79.4	77.0	81.6	77.3	73.7	80.6
2010	79.1	76.4	81.7	79.4	76.9	81.7	76.7	72.5	80.7
2009	78.9	76.3	81.4	79.6	77.1	82.1	76.0	72.7	79.0
2008	78.3	75.7	80.8	78.9	76.3	81.4	75.7	72.7	78.4
2007	78.8	76.0	81.5	79.2	76.5	81.9	76.2	72.9	79.3
2006	78.4	75.7	81.0	79.1	76.4	81.7	74.8	71.4	77.8
2005	77.7	75.0	80.2	78.4	75.7	81.0	74.1	71.3	76.6
2004	77.8	74.9	80.5	78.3	75.5	80.9	73.8	70.4	77.0
2003	76.9	74.5	80.0	78.1	75.3	80.7	72.6	69.2	75.8
2002	77.3	74.6	79.8	77.8	75.4	80.1	73.8	69.5	77.9
2001	76.3	73.9	78.7	77.1	74.6	79.5	72.1	69.5	74.4
2000	76.5	73.9	79.0	77.1	74.5	79.6	72.5	69.4	75.5
1999	76.8	73.9	79.6	77.6	74.7	80.3	72.6	68.8	76.2
1998	75.9	73.3	78.4	77.0	74.5	79.4	70.3	66.9	73.5
1997	75.8	73.3	78.2	76.7	74.2	79.1	71.0	68.3	73.5
1996	75.4	72.5	78.1	76.7	73.9	79.4	68.8	65.2	72.2

**Note:**  
\*Life expectancy at birth is the average expected lifetime of people born in the listed year.

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

**TABLE F-28. AVERAGE REMAINING YEARS OF LIFE\* BY AGE, RACE, AND SEX, DELAWARE, 2016**

Age Group	Race and Sex								
	All Races			White			Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
0-5	78.8	75.7	81.8	79.0	76.0	82.1	76.1	72.1	79.9
5-10	74.4	71.3	77.4	74.4	71.4	77.5	72.1	68.1	75.8
10-15	69.4	66.4	72.5	69.5	66.5	72.5	67.1	63.2	70.9
15-20	64.5	61.4	67.5	64.5	61.6	67.5	62.3	58.2	66.1
20-25	59.6	56.7	62.6	59.6	56.8	62.5	57.5	53.6	61.2
25-30	54.9	52.1	57.7	55.0	52.2	57.7	52.8	49.0	56.4
30-35	50.3	47.6	53.0	50.4	47.8	53.0	48.2	44.5	51.7
35-40	45.8	43.2	48.3	45.9	43.4	48.3	43.6	40.0	46.9
40-45	41.2	38.7	43.5	41.3	39.0	43.6	39.0	35.7	42.0
45-50	36.6	34.3	38.8	36.7	34.5	38.9	34.6	31.5	37.5
50-55	32.2	29.9	34.3	32.3	30.2	34.4	30.2	27.1	32.9
55-60	27.9	25.8	29.9	28.0	26.0	29.9	26.2	23.4	28.7
60-65	23.9	21.9	25.7	24.0	22.1	25.8	22.3	19.5	24.6
65-70	20.1	18.3	21.7	20.2	18.4	21.8	18.6	16.1	20.7
70-75	16.7	15.0	18.1	16.7	15.1	18.1	15.6	13.1	17.7
75-80	13.6	12.1	14.7	13.6	12.1	14.7	12.7	10.8	14.1
80-85	10.9	9.7	11.8	10.9	9.7	11.7	10.6	8.9	11.7
85+	8.7	7.6	9.5	8.6	7.6	9.3	8.8	6.6	10.0

**Note:** \*Average number of years of life remaining at the beginning of the age interval.

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

**TABLE F-29. MATERNAL DEATHS BY COUNTY,  
DELAWARE, 1986-2016**

Year	Area			
	Delaware	Kent	New Castle	Sussex
2016	1	0	1	0
2015	1	0	1	0
2014	1	0	1	0
2013	0	0	0	0
2012	2	0	0	2
2011	1	0	0	1
2010	2	0	0	2
2009	4	1	3	0
2008	3	1	2	0
2007	1	0	1	0
2006	1	0	1	0
2005	3	0	3	0
2004	1	0	1	0
2003	2	0	2	0
2002	0	0	0	0
2001	2	0	1	1
2000	3	1	2	0
1999	1	0	1	0
1998	2	0	2	0
1997	1	0	1	0
1996	0	0	0	0
1995	0	0	0	0
1994	0	0	0	0
1993	0	0	0	0
1992	0	0	0	0
1991	1	0	0	1

Note: Prior to 1999, maternal deaths included ICD-9 categories 630-676. For 1999 and later, maternal deaths include ICD-10 categories O00-O95, O98-O99, and A34.

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

**TABLE F-30. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED CAUSES OF DEATH BY COUNTY, DELAWARE, 2012-2016**

LEADING CAUSES OF DEATH	AREA				RACE	
	DE	Kent	NCC	Sussex	White	Black
Malignant neoplasms	168.3	197.0	165.6	160.1	167.8	189.9
Diseases of the heart	156.7	192.7	150.4	151.9	153.5	185.0
Chronic lower respiratory diseases	40.3	50.5	38.5	39.2	42.5	34.3
Cerebrovascular diseases	36.2	41.9	41.0	27.1	33.6	51.6
Dementia	35.6	39.5	42.3	24.7	35.4	41.7
Accidents (unintentional injuries)	45.0	51.1	42.1	51.0	51.1	33.9
Diabetes mellitus	18.9	22.5	18.5	17.0	16.4	34.4
Alzheimer's disease	18.6	22.6	20.3	14.7	18.3	23.1
Nephritis, nephrotic syndrome, and nephrosis	14.5	19.3	15.4	10.8	12.4	27.2
Influenza and pneumonia	12.2	14.3	13.8	8.7	12.6	11.2
Septicemia	11.9	17.0	11.5	10.4	11.6	15.6
Intentional self-harm (suicide)	12.6	14.0	12.0	12.9	15.4	5.7
Other diseases of respiratory system	8.9	11.4	9.0	7.9	9.3	7.6
Chronic liver disease and cirrhosis	8.2	8.6	6.8	11.3	9.2	5.6
Certain conditions originating in the perinatal period	6.1	4.9	7.4	3.8	3.6	10.7
Assault (homicide)	6.9	5.6	8.6	3.1	2.6	19.3
Parkinson's disease	6.5	6.2	7.1	5.8	7.2	3.0
Human immunodeficiency virus (HIV)	3.0	3.0	3.5	2.1	1.0	11.3
Essential hypertension and hypertensive renal disease	4.6	6.5	4.1	4.2	4.0	8.1
Pneumonitis due to solids and liquids	4.8	5.6	5.3	3.6	4.9	4.5
Aortic aneurysm and dissection	2.8	4.0	2.7	2.4	2.8	3.5
Congenital malformations, deformations, and chromosomal abnormalities	2.7	3.0	2.4	3.2	2.6	3.0

Notes:

1. Rates per 100,000, adjusted to U.S. 2000 population.
2. See Appendix E for ICD-10 cause of death codes.
3. "NA" indicates rate does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.

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

**TABLE F-31. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 1996-2016**

Cause of Death/ Area	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>Diseases of the heart</b>																	
Delaware	275.1	267.4	257.5	252.3	244.2	236.7	223.9	215.1	201.7	190.0	178.8	172.6	165.6	162.7	160.3	158.8	156.7
Kent	308.3	304.4	296.9	291.0	279.6	275.3	267.2	262.7	251.6	243.1	233.7	223.9	211.3	207.1	200.2	193.9	192.7
New Castle	267.1	259.7	250.9	246.2	240.3	233.5	220.1	211.3	196.1	182.9	171.0	165.4	158.3	156.0	153.9	152.6	150.4
Sussex	276.3	265.3	251.9	246.4	235.3	224.0	209.7	198.6	187.4	176.6	166.1	160.8	156.7	153.6	153.7	153.8	151.9
<b>Malignant neoplasms</b>																	
Delaware	221.2	218.0	210.9	206.7	202.9	201.3	195.0	193.9	192.0	186.1	183.5	181.4	178.4	173.8	172.2	169.3	168.3
Kent	220.4	221.9	219.0	217.8	211.9	213.8	206.3	208.8	210.6	208.1	206.8	205.9	208.0	199.6	199.5	198.8	197.0
New Castle	223.4	219.9	212.7	206.7	203.2	202.3	195.2	192.8	192.8	187.1	184.2	184.4	181.1	175.8	172.7	169.0	165.6
Sussex	218.0	213.1	203.9	202.0	198.6	194.2	190.6	190.4	183.0	175.0	171.3	164.3	158.9	158.0	158.5	156.9	160.1
<b>Cerebrovascular diseases</b>																	
Delaware	51.8	51.6	51.7	51.0	48.8	45.9	44.1	41.5	39.0	38.9	38.2	37.7	37.2	36.9	36.3	36.1	36.2
Kent	60.6	55.1	55.8	53.8	50.6	49.4	48.4	42.6	39.4	41.2	39.0	36.7	39.0	39.0	38.4	39.5	41.9
New Castle	53.1	53.8	54.0	54.1	52.4	49.4	48.0	47.3	44.6	44.1	43.3	43.4	42.2	42.6	41.8	41.6	41.0
Sussex	44.1	45.0	44.3	42.9	40.6	36.8	34.1	30.0	28.5	28.4	29.0	28.8	28.5	27.3	27.1	26.7	27.1
<b>Chronic lower respiratory diseases</b>																	
Delaware	42.5	41.9	42.2	41.3	40.5	41.0	40.6	39.8	41.4	41.9	41.2	42.2	41.9	41.0	40.4	40.3	40.3
Kent	52.5	49.4	45.1	44.7	45.7	48.9	49.6	51.4	55.5	55.9	54.7	55.7	55.9	50.6	49.3	50.2	50.5
New Castle	41.5	41.8	41.5	40.5	40.0	39.4	39.2	39.2	41.2	41.5	40.9	42.2	41.3	40.5	39.9	39.5	38.5
Sussex	38.7	37.7	41.8	40.6	38.5	40.0	38.8	35.8	35.5	36.0	35.5	36.1	36.2	37.3	37.5	37.5	39.2
<b>Diabetes mellitus</b>																	
Delaware	26.9	26.9	26.4	25.8	25.8	26.0	24.6	24.0	22.8	22.0	20.6	20.7	20.6	20.0	19.9	19.7	18.9
Kent	28.8	27.6	28.3	28.0	27.3	30.6	30.5	29.0	28.6	28.8	26.3	25.2	23.9	23.7	21.4	21.5	22.5
New Castle	26.6	27.3	26.2	25.1	26.1	26.1	24.4	24.4	23.3	22.2	21.1	21.9	21.9	21.1	21.0	20.3	18.5
Sussex	26.6	25.9	26.0	26.2	24.6	23.7	21.8	20.8	18.9	18.0	16.5	16.3	16.6	16.1	16.9	17.4	17.0
<b>Influenza and pneumonia</b>																	
Delaware	30.2	28.7	26.2	22.2	21.1	18.7	16.9	15.0	14.7	13.8	12.9	12.4	12.1	11.9	12.0	12.6	12.2
Kent	36.5	34.1	31.7	27.3	24.9	20.4	19.9	18.1	17.3	16.1	15.0	13.8	14.4	13.8	14.4	14.4	14.3
New Castle	27.5	25.1	23.2	19.2	17.7	15.8	14.4	13.0	13.6	13.6	13.4	13.4	13.2	12.9	13.2	14.2	13.8
Sussex	33.3	34.4	30.2	26.3	26.9	23.9	20.4	17.6	15.5	13.0	11.1	10.2	9.4	9.4	9.1	9.2	8.7
<b>Alzheimer's disease</b>																	
Delaware	11.1	13.2	14.6	16.5	17.0	18.0	18.5	19.2	19.5	18.9	18.9	18.5	18.1	17.3	17.1	17.3	18.6
Kent	5.0	8.8	10.1	12.1	12.8	14.1	13.2	15.9	17.9	18.6	20.3	22.7	22.7	22.0	20.4	21.6	22.6
New Castle	13.8	16.0	17.4	18.8	18.1	18.1	18.4	18.6	17.8	17.1	17.0	15.5	15.3	15.7	16.6	17.4	20.3
Sussex	8.2	9.1	10.8	13.7	16.9	19.8	21.4	22.2	23.7	22.4	21.7	21.9	20.8	18.0	16.4	15.3	14.7
<b>Nephritis, nephrotic syndrome, and nephrosis</b>																	
Delaware	13.5	13.6	14.1	14.2	14.5	14.4	14.9	15.3	16.0	16.4	16.5	16.2	15.2	14.6	14.1	14.0	14.5
Kent	12.4	15.3	17.6	18.0	19.9	18.3	16.7	15.8	17.5	16.1	16.5	16.3	15.6	14.5	16.0	17.2	19.3
New Castle	14.2	13.8	13.6	13.4	13.8	14.0	15.0	16.3	17.4	18.0	18.3	18.0	16.6	15.8	15.4	15.2	15.4
Sussex	12.8	12.2	13.7	14.3	13.1	13.0	13.5	13.1	12.4	13.6	13.2	12.8	12.6	12.7	11.1	10.9	10.8
<b>Septicemia</b>																	
Delaware	15.2	15.6	16.0	16.0	15.9	15.1	14.3	13.4	13.1	12.6	11.9	11.5	11.3	11.4	11.4	11.7	11.9
Kent	13.8	14.4	15.7	17.0	18.3	17.7	18.5	18.1	18.2	17.3	18.0	17.4	16.6	17.2	17.8	16.8	17.0
New Castle	17.5	17.5	17.4	17.1	16.6	15.7	14.8	13.9	13.8	13.3	12.0	11.6	10.9	10.9	11.0	11.2	11.5
Sussex	10.8	12.0	12.8	13.0	13.3	12.8	11.4	10.2	9.4	9.2	8.6	8.2	9.0	9.1	8.8	9.9	10.4

See footnotes at the end of the table

**TABLE F-31. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 1996-2016 - CONTINUED**

Cause of Death/ Area	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>Intentional self-harm (suicide)</b>																	
Delaware	11.0	11.2	10.7	11.1	11.1	11.0	10.2	10.4	10.6	10.7	11.0	11.3	11.9	12.0	12.3	12.6	12.6
Kent	12.6	12.1	11.7	11.5	10.5	10.1	10.3	9.8	10.3	11.2	11.2	11.3	12.4	13.0	14.0	14.2	14.0
New Castle	9.8	10.3	9.9	10.7	11.0	11.2	10.0	10.4	10.3	10.1	10.2	10.7	11.2	11.3	11.5	12.0	12.0
Sussex	13.3	12.8	12.2	11.8	11.4	10.4	10.8	11.0	11.8	12.1	13.5	13.1	13.5	12.9	13.2	12.7	12.9
<b>Chronic liver disease and cirrhosis</b>																	
Delaware	9.3	9.0	9.4	9.8	9.8	9.5	9.1	8.5	8.0	8.1	8.4	8.5	8.4	8.1	8.2	8.4	8.2
Kent	10.5	10.8	11.4	12.1	11.5	10.7	10.1	9.7	8.7	9.2	9.5	9.9	8.9	8.2	8.6	9.0	8.6
New Castle	9.0	8.3	8.6	9.1	9.5	8.9	8.9	8.0	7.6	7.3	7.6	7.4	7.6	7.2	7.1	7.2	6.8
Sussex	9.0	9.7	10.1	10.5	10.1	10.5	9.3	9.2	8.7	9.0	9.3	10.1	10.0	9.9	10.5	11.0	11.3
<b>Assault (homicide)</b>																	
Delaware	4.2	3.6	3.7	3.5	3.8	4.5	4.9	5.0	5.9	6.1	6.1	6.1	6.5	6.1	6.4	6.6	6.9
Kent	---	---	---	---	---	---	3.0	3.6	4.4	4.0	4.1	3.9	3.9	3.8	4.6	5.1	5.6
New Castle	5.1	4.5	4.6	4.3	4.6	5.3	5.9	6.0	7.1	7.4	7.5	7.4	8.2	7.9	8.1	8.3	8.6
Sussex	2.8	---	---	---	---	3.6	3.3	2.9	3.2	3.6	3.5	3.7	3.6	3.0	3.2	2.8	3.1
<b>Certain conditions originating in the perinatal period</b>																	
Delaware	6.7	7.8	8.3	8.4	8.2	8.2	7.4	7.0	6.8	6.9	6.1	6.1	6.2	5.8	5.5	6.2	6.1
Kent	6.8	7.2	7.9	8.1	8.1	7.9	6.5	5.1	4.9	5.4	4.2	4.7	5.5	4.9	4.1	5.0	4.9
New Castle	6.9	8.2	8.8	9.2	8.7	8.7	8.1	7.8	7.6	7.8	7.1	7.4	7.5	7.2	6.9	7.5	7.4
Sussex	5.8	7.2	6.8	6.0	6.3	6.6	6.1	6.4	6.1	5.8	4.6	3.5	2.7	2.8	2.9	3.6	3.8
<b>Congenital malformations</b>																	
Delaware	3.9	3.7	3.5	3.4	3.4	3.1	3.1	2.8	2.8	2.6	2.9	2.8	2.9	2.9	2.9	2.8	2.7
Kent	3.2	3.3	3.9	3.5	3.4	3.0	3.4	2.8	3.2	2.8	3.4	3.2	3.1	2.8	2.9	3.4	3.0
New Castle	3.9	3.6	3.2	3.1	3.2	3.0	2.9	2.7	2.6	2.5	2.6	2.6	2.9	2.9	2.7	2.5	2.4
Sussex	4.8	4.6	4.0	3.9	3.8	3.7	3.6	3.4	3.0	2.6	3.2	3.0	2.9	3.4	3.2	3.0	3.2
<b>Human immunodeficiency virus (HIV)</b>																	
Delaware	9.9	8.1	8.2	8.8	8.4	8.2	7.7	7.2	6.5	6.0	5.5	5.1	4.6	4.0	3.8	3.4	3.0
Kent	5.9	5.2	4.8	5.2	5.1	5.1	5.2	5.8	5.6	5.1	5.6	4.7	4.3	3.7	3.5	3.1	3.0
New Castle	12.1	9.8	9.9	10.8	10.7	10.4	9.6	8.8	7.7	7.1	6.3	6.0	5.5	4.9	4.6	4.0	3.5
Sussex	5.9	5.2	5.8	5.5	4.3	3.7	3.9	3.5	3.9	3.8	3.4	3.2	2.5	---	2.3	2.2	2.1
<b>Accidents (unintentional injuries)</b>																	
Delaware	36.0	36.9	36.4	36.0	35.8	35.1	35.2	34.7	35.6	35.9	36.8	36.4	37.3	37.8	39.5	41.2	45.0
Kent	37.5	38.9	37.7	37.6	38.3	38.9	40.5	39.5	39.7	38.0	37.5	35.0	37.7	38.7	42.9	45.4	51.1
New Castle	34.0	34.5	34.6	33.7	32.3	31.6	31.8	31.6	32.7	33.2	34.2	34.4	34.9	35.7	37.5	39.6	42.1
Sussex	42.1	44.0	42.1	43.0	46.4	44.1	42.5	42.4	43.9	44.8	46.6	45.9	46.0	44.9	44.0	44.9	51.0
<b>Essential hypertension and hypertensive renal disease</b>																	
Delaware	4.8	5.2	5.7	5.9	6.9	7.2	6.8	6.3	6.0	5.4	5.1	5.0	4.8	5.0	4.7	4.5	4.6
Kent	4.5	5.5	6.3	6.3	7.1	8.9	9.1	7.8	7.8	7.6	7.4	7.3	7.7	8.1	7.6	6.7	6.5
New Castle	4.4	4.9	5.4	5.9	7.2	7.5	7.0	6.9	6.3	5.6	5.1	5.1	4.7	4.6	4.3	4.1	4.1
Sussex	6.1	5.7	5.9	5.6	5.9	5.4	5.0	4.4	4.4	4.1	4.0	3.8	3.7	4.2	3.9	4.1	4.2
<b>Aortic aneurysm and dissection</b>																	
Delaware	6.4	6.6	6.3	6.7	6.3	5.8	5.0	4.5	3.7	3.4	3.2	3.2	3.2	3.1	3.0	2.9	2.8
Kent	9.0	9.3	9.9	10.0	9.3	8.3	7.2	5.5	4.0	3.0	2.8	2.8	3.4	4.3	4.5	4.2	4.0
New Castle	5.8	6.2	5.9	6.3	5.8	5.4	4.5	3.8	3.2	3.2	3.2	3.3	3.5	3.1	2.8	2.8	2.7
Sussex	6.5	6.0	5.4	5.9	6.1	5.7	5.3	5.4	4.7	4.1	3.5	3.2	2.7	2.4	2.4	2.4	2.4

See footnotes at the end of the table



**TABLE F-31. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 1996-2016 - CONTINUED**

Cause of Death/ Area	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>Pneumonitis due to solids and liquids</b>																	
Delaware	7.8	8.9	9.1	9.7	8.9	8.2	7.1	6.3	5.4	5.2	4.8	4.6	4.3	4.3	4.2	4.6	4.8
Kent	4.8	4.1	5.0	5.9	5.3	5.4	5.0	3.9	3.3	3.4	3.0	3.4	3.5	3.6	3.9	4.4	5.6
New Castle	8.9	10.6	10.5	10.9	9.9	9.2	7.5	6.6	5.5	5.2	4.7	4.6	4.4	4.6	4.5	5.2	5.3
Sussex	7.1	7.7	8.5	9.3	9.1	7.8	7.5	7.1	6.3	6.1	5.8	5.4	4.7	4.2	4.0	3.8	3.6
<b>Other diseases of respiratory system</b>																	
Delaware	8.3	8.4	8.8	8.4	8.7	8.5	8.9	8.8	9.0	8.8	8.8	9.0	9.3	9.2	9.3	9.2	8.9
Kent	9.2	8.9	9.6	9.5	9.5	9.0	10.3	10.6	10.5	10.6	11.3	11.7	12.1	12.2	11.9	11.4	11.4
New Castle	7.8	8.1	8.3	8.2	8.8	8.7	8.7	8.3	9.0	8.7	8.4	9.3	10.2	9.6	9.9	9.8	9.0
Sussex	9.3	8.9	9.4	8.4	8.3	7.6	8.4	8.6	8.3	8.3	8.3	7.2	6.7	7.4	7.0	7.3	7.9
<b>Parkinson's disease</b>																	
Delaware	4.6	5.1	5.5	5.5	5.4	5.7	5.5	5.6	5.6	5.6	5.2	5.7	5.8	6.2	6.6	6.8	6.5
Kent	---	4.3	4.6	4.7	4.1	4.7	4.6	4.4	4.4	5.5	5.1	5.2	5.3	5.4	5.4	6.2	6.2
New Castle	5.0	5.5	6.0	5.9	5.9	6.2	6.1	6.4	6.3	6.1	5.6	6.1	6.3	6.9	7.5	7.5	7.1
Sussex	4.1	4.7	5.0	4.9	5.1	5.3	4.7	4.8	5.1	4.9	4.6	5.2	5.5	5.6	5.7	6.0	5.8
<b>Dementia</b>																	
Delaware	6.5	7.2	8.5	9.5	10.6	12.1	16.1	19.8	24.7	30.0	34.4	36.4	38.9	38.4	38.0	36.9	35.6
Kent	8.6	8.8	12.6	13.9	14.6	13.1	14.2	15.3	20.5	26.3	30.3	35.7	40.4	41.7	40.9	42.6	39.5
New Castle	6.3	7.3	8.3	9.2	10.6	13.2	18.8	24.8	31.8	38.6	43.8	45.8	47.5	46.0	45.1	43.6	42.3
Sussex	5.8	5.9	6.7	7.7	8.6	9.7	11.7	12.2	13.4	16.1	19.8	21.1	24.5	25.1	26.2	25.1	24.7

**Notes:**

1. Rates per 100,000, adjusted to U.S. 2000 population.
2. See Appendix E for ICD-9 and ICD-10 cause of death codes.
3. "..." indicates rate does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.

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

**TABLE F-32. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX, DELAWARE, 1995-2016**

Cause of Death/ Race-Sex	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>Diseases of the heart</b>																	
White	270.1	262.1	251.9	246.3	237.2	229.4	217.3	209.0	197.2	186.5	176.0	170.8	163.3	160.1	157.8	156.4	153.5
Male	341.3	328.7	312.4	303.9	294.7	283.0	268.7	261.6	248.9	234.3	222.1	217.3	208.1	203.3	202.3	201.8	199.1
Female	215.9	210.6	205.2	201.1	192.0	187.0	176.7	167.2	157.0	148.6	139.7	133.9	127.8	125.2	122.2	119.8	116.5
Black	311.9	306.3	296.9	298.4	298.7	293.4	278.4	268.3	241.3	220.1	206.0	192.0	187.9	185.6	185.5	181.1	185.0
Male	378.9	364.6	356.0	357.2	362.7	347.8	338.1	325.2	293.0	263.7	261.0	245.2	234.1	225.7	224.0	217.5	224.6
Female	264.8	263.9	254.8	257.1	252.8	253.7	235.1	224.5	202.5	186.4	166.1	152.5	154.2	154.2	156.3	154.5	156.5
<b>Malignant neoplasms</b>																	
White	214.1	212.8	206.7	201.6	199.2	198.0	191.7	191.7	191.5	185.3	182.8	181.2	177.1	172.4	171.1	168.3	167.8
Male	264.9	259.5	253.3	247.7	245.9	244.5	237.1	233.0	231.6	222.4	220.1	214.6	209.8	204.7	202.4	198.5	200.8
Female	182.6	182.9	176.2	171.1	167.8	166.7	160.9	163.5	163.7	159.0	156.0	157.2	153.8	149.3	148.7	146.5	143.4
Black	285.0	267.6	253.6	254.8	241.8	240.0	233.3	223.8	212.2	207.8	202.2	197.8	202.3	197.9	195.8	191.4	189.9
Male	371.3	343.0	334.0	334.1	309.9	311.5	300.6	283.3	263.4	261.0	256.4	250.0	250.5	246.0	238.2	222.2	222.2
Female	235.3	223.7	208.4	207.6	199.2	195.2	189.8	184.9	178.0	173.0	166.8	162.6	170.1	166.9	168.0	172.6	171.2
<b>Cerebrovascular diseases</b>																	
White	49.2	49.3	49.2	48.8	46.4	43.4	41.9	39.0	36.6	36.3	35.8	35.6	35.2	34.7	34.5	34.1	33.6
Male	50.5	52.0	50.8	50.3	48.7	47.0	42.5	38.7	35.9	34.0	33.1	34.9	35.6	35.2	35.3	34.9	33.7
Female	47.3	46.7	47.5	47.1	44.6	41.1	41.2	38.6	36.5	37.3	36.9	35.4	34.7	34.1	33.8	33.4	33.4
Black	70.7	68.6	69.9	66.8	67.2	64.5	61.1	60.2	57.8	57.3	54.3	50.9	49.4	48.9	46.2	47.2	51.6
Male	78.1	66.8	67.4	63.8	60.0	61.8	64.1	66.7	66.1	66.0	63.5	61.5	57.6	55.6	55.7	54.4	59.7
Female	64.4	67.2	68.6	66.4	68.7	64.4	58.5	55.6	52.3	51.5	47.4	43.3	43.7	44.0	40.1	42.6	46.7
<b>Chronic lower respiratory diseases</b>																	
White	43.5	42.7	43.1	42.2	41.3	42.3	42.0	41.4	43.1	43.8	43.1	44.4	43.9	43.0	42.6	42.4	42.5
Male	54.5	52.3	51.1	47.7	46.0	46.7	45.4	45.0	47.9	47.7	45.5	46.3	44.5	42.6	42.5	44.4	43.8
Female	38.3	38.0	38.9	39.4	38.6	39.6	39.9	38.9	39.5	41.0	41.3	43.0	43.6	43.6	42.8	41.2	41.7
Black	35.6	35.8	35.1	34.0	34.4	32.2	32.5	32.3	34.1	33.2	33.2	33.9	35.1	33.3	32.8	33.5	34.3
Male	51.1	50.9	53.0	51.9	50.3	46.3	47.7	46.6	51.4	48.7	47.3	47.6	46.6	42.5	41.0	42.1	40.1
Female	25.8	26.0	24.0	22.4	23.9	23.6	23.7	24.2	24.9	25.0	25.6	26.0	28.2	27.6	27.7	28.3	30.8
<b>Diabetes mellitus</b>																	
White	23.2	23.5	22.7	22.4	22.2	22.8	21.5	20.8	19.8	19.3	17.8	17.5	17.7	17.1	16.7	16.7	16.4
Male	26.0	25.7	26.0	25.8	25.7	26.3	25.5	25.4	24.0	23.1	21.5	21.2	21.1	21.3	20.8	20.9	20.7
Female	21.3	21.8	20.3	19.7	19.6	20.2	18.6	17.5	16.7	16.2	14.6	14.3	14.6	13.4	13.3	13.2	12.9
Black	55.1	53.0	54.0	50.8	51.7	50.8	47.2	46.7	44.1	40.9	38.7	41.1	38.8	39.1	39.5	37.8	34.4
Male	59.1	59.5	62.1	54.7	56.1	54.4	50.9	49.6	50.5	46.5	45.0	45.0	42.5	43.4	46.1	45.1	43.9
Female	54.0	49.9	50.2	48.4	49.1	48.6	45.7	44.7	39.9	37.0	33.9	37.3	35.6	36.3	35.3	33.8	28.7
<b>Influenza and pneumonia</b>																	
White	30.3	29.2	26.7	22.6	21.4	18.8	17.0	15.0	14.7	14.1	13.1	12.5	12.2	12.1	12.0	12.8	12.6
Male	38.2	36.3	33.2	27.0	26.1	22.6	20.8	18.4	17.8	17.1	16.3	15.4	15.0	14.7	14.0	14.9	14.7
Female	25.9	25.1	22.8	19.7	18.5	16.4	14.4	12.9	12.8	12.1	11.0	10.5	10.3	10.4	10.7	11.3	11.1
Black	30.1	25.5	23.1	20.1	20.3	18.2	17.4	15.6	15.2	12.6	12.0	12.2	12.3	11.7	13.0	12.5	11.2
Male	45.0	39.0	32.8	28.7	31.8	28.5	26.1	24.3	24.8	18.6	17.6	17.3	15.0	13.9	14.8	14.2	12.8
Female	21.6	17.4	16.8	14.7	14.1	12.4	12.7	11.4	10.7	9.8	9.2	9.2	10.4	10.1	11.9	11.4	10.5

See footnotes at the end of the table

**TABLE F-32. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX, DELAWARE, 1995-2016 - CONTINUED**

Cause of Death/ Race-Sex	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>Alzheimer's disease</b>																	
White	11.5	13.8	15.3	17.1	17.4	18.5	18.9	19.7	20.2	19.5	19.2	18.8	18.2	17.2	16.9	17.2	18.3
Male	10.0	12.4	14.3	15.1	14.8	15.6	16.2	17.0	17.5	17.2	16.5	15.4	14.8	14.3	13.8	14.8	16.5
Female	12.1	14.6	15.8	18.1	18.9	20.1	20.3	21.1	21.6	20.6	20.8	20.9	20.4	18.9	18.8	18.6	19.3
Black	8.2	8.8	9.8	12.7	14.1	14.4	14.5	15.7	14.5	14.8	16.6	17.2	18.7	19.9	19.6	19.6	23.1
Male	---	---	---	---	14.2	---	---	13.4	12.7	12.3	13.6	13.7	13.4	15.2	14.8	15.8	19.9
Female	8.2	8.3	8.8	12.1	13.7	15.6	15.5	16.4	14.9	15.8	17.7	18.7	6.1	6.3	6.1	5.9	7.0
<b>Nephritis, nephrotic syndrome, and nephrosis</b>																	
White	11.2	11.1	11.9	12.2	12.6	12.5	13.0	13.1	13.8	14.0	14.2	13.9	13.3	12.8	12.2	12.0	12.4
Male	14.9	15.2	16.7	16.4	17.4	17.5	17.6	17.6	18.0	17.5	17.5	16.6	15.5	15.0	14.5	14.4	15.1
Female	9.2	8.7	9.1	9.7	9.7	9.5	9.9	10.1	10.9	11.6	11.9	12.2	11.9	11.3	10.5	10.3	10.6
Black	31.1	31.8	30.6	28.1	27.2	27.4	28.5	31.1	32.2	32.8	31.8	30.2	27.6	25.7	26.0	26.6	27.2
Male	38.7	35.8	39.0	37.4	36.6	35.3	39.7	41.8	42.5	40.8	40.0	38.3	33.2	30.2	32.7	33.8	34.7
Female	26.1	28.9	25.7	22.4	21.9	23.5	22.2	25.1	26.5	27.5	26.6	25.7	16.0	16.4	16.6	15.7	16.0
<b>Septicemia</b>																	
White	13.8	14.0	14.5	14.4	14.7	13.9	13.1	12.2	12.2	11.5	10.9	10.8	10.6	10.8	11.0	11.2	11.6
Male	16.0	16.0	16.7	15.8	16.5	15.5	14.9	14.3	14.0	12.6	12.1	12.1	11.3	12.0	12.6	12.5	13.0
Female	12.7	12.9	13.4	13.6	13.6	12.9	11.9	10.7	11.0	10.8	10.1	9.8	10.3	10.0	9.9	10.5	10.7
Black	25.9	28.7	28.1	28.9	25.7	24.6	23.2	21.9	19.9	19.7	18.1	15.9	15.7	15.3	14.7	15.7	15.6
Male	32.7	34.0	31.8	33.7	28.1	25.1	23.4	21.7	19.1	18.6	17.3	15.8	16.7	14.8	15.5	17.7	18.6
Female	22.1	25.7	26.3	26.1	23.9	24.6	23.2	21.9	20.3	20.3	18.3	15.9	12.8	13.2	12.2	12.9	11.8
<b>Intentional self-harm (suicide)</b>																	
White	12.8	12.9	12.3	13.0	12.9	12.6	12.0	12.5	12.5	12.7	13.3	13.7	14.3	14.7	15.4	15.4	15.4
Male	21.9	21.8	21.1	21.7	21.0	21.0	19.9	19.8	20.2	20.6	21.4	21.8	23.1	23.4	24.6	24.2	24.7
Female	4.4	4.7	4.4	5.1	5.5	5.0	4.8	5.7	5.3	5.3	5.5	5.9	5.8	6.5	6.7	7.1	6.8
Black	4.1	4.8	5.1	4.9	5.6	6.1	5.2	4.6	5.4	5.6	5.4	5.3	5.8	5.1	4.2	5.5	5.7
Male	7.7	8.9	10.0	9.3	10.1	10.8	9.9	8.2	9.5	10.8	10.3	9.7	10.2	9.5	7.3	8.5	9.3
Female	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Chronic liver disease and cirrhosis</b>																	
White	9.5	9.0	9.5	10.0	10.0	9.8	9.7	9.0	8.6	8.8	9.0	9.1	9.1	8.7	8.9	9.3	9.2
Male	12.6	11.8	11.6	12.1	11.5	11.8	12.4	11.8	11.7	12.5	12.9	13.0	13.3	12.8	12.8	13.3	12.4
Female	6.7	6.5	7.7	8.1	8.5	8.0	7.2	6.6	5.7	5.5	5.4	5.5	5.1	4.9	5.3	5.6	6.2
Black	8.6	9.1	9.0	9.5	9.3	8.2	7.3	6.6	6.4	6.3	7.0	7.0	6.9	6.4	6.3	6.2	5.6
Male	12.1	12.2	12.8	14.0	14.5	12.1	12.2	10.9	11.0	9.9	11.5	12.0	11.1	10.0	10.4	9.4	7.2
Female	6.4	6.4	---	5.8	---	---	---	---	---	---	---	---	---	---	---	5.5	6.0
<b>Assault (homicide)</b>																	
White	2.4	2.2	2.2	2.0	2.1	2.6	2.5	2.4	2.9	3.0	3.0	3.2	3.3	3.2	3.0	2.7	2.6
Male	2.9	2.7	2.6	2.5	2.5	3.5	3.4	3.3	4.1	4.1	4.1	4.0	4.8	4.4	4.2	3.7	3.7
Female	1.9	1.7	1.8	1.6	1.7	1.7	1.5	1.5	1.7	1.9	1.9	2.0	1.9	2.0	1.9	1.8	1.5
Black	11.7	9.0	9.0	8.9	9.8	11.3	13.5	14.1	16.2	16.2	16.5	15.2	16.3	15.2	16.7	18.0	19.3
Male	18.2	14.4	15.0	15.9	16.9	20.2	24.6	25.8	30.1	30.7	31.1	28.7	30.5	28.0	30.6	33.3	34.8
Female	5.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	7.3

See footnotes at the end of the table

**TABLE F-32. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX, DELAWARE, 1995-2016 - CONTINUED**

Cause of Death/ Race-Sex	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>Certain conditions originating in the perinatal period</b>																	
White	4.2	5.1	5.8	6.2	6.2	5.7	5.1	4.8	4.5	4.2	3.6	3.4	3.2	2.7	3.0	3.6	3.6
Male	4.7	5.7	6.3	6.9	6.5	5.9	5.3	5.4	5.1	5.1	4.4	4.2	4.1	3.3	3.8	4.2	4.1
Female	3.7	4.5	5.4	5.5	5.8	5.5	4.8	4.2	3.9	3.4	2.8	2.6	2.3	2.1	2.3	3.1	3.2
Black	14.7	16.7	16.6	16.4	15.1	16.4	14.9	14.6	14.2	15.0	13.2	13.1	13.3	12.5	10.7	11.2	10.7
Male	16.8	18.8	19.0	18.9	17.1	19.1	16.8	15.7	14.8	16.0	13.8	13.4	14.2	14.6	12.0	12.6	12.6
Female	12.5	14.5	14.1	13.4	13.2	13.8	13.1	13.4	13.5	14.0	12.6	12.7	12.5	10.4	9.4	9.8	8.8
<b>Congenital malformations</b>																	
White	4.0	3.7	3.3	3.3	3.3	3.1	3.1	2.8	2.8	2.6	3.0	3.0	3.1	3.3	3.1	2.8	2.6
Male	4.2	3.7	3.6	3.9	3.7	3.3	3.3	3.0	2.7	2.4	2.9	2.8	2.8	3.0	2.8	2.5	2.6
Female	3.9	3.7	3.1	2.7	2.9	2.8	2.8	2.7	2.8	2.8	3.1	3.3	3.4	3.6	3.4	3.1	2.6
Black	3.5	3.9	4.0	3.6	3.7	3.6	3.3	2.9	3.0	2.6	2.5	2.4	2.5	2.1	2.4	2.9	3.0
Male	4.2	3.7	3.6	3.9	3.7	3.3	3.3	3.0	2.7	2.4	2.9	2.8	2.8	3.0	2.8	2.5	2.6
Female	3.9	3.7	3.1	2.7	2.9	2.8	2.8	2.7	2.8	2.8	3.1	3.3	3.4	3.6	3.4	3.1	2.6
<b>Human immunodeficiency virus (HIV)</b>																	
White	3.0	2.0	2.2	2.6	2.5	2.4	2.3	2.1	2.0	1.8	1.8	1.7	1.5	1.2	1.2	1.0	1.0
Male	5.4	3.6	3.7	4.4	3.9	3.6	3.5	3.5	3.0	2.9	2.8	2.7	2.1	1.8	1.8	1.7	1.4
Female	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	42.0	36.4	35.6	36.4	35.5	34.3	31.5	29.4	26.3	24.1	21.6	19.6	17.6	15.9	15.1	13.2	11.3
Male	66.9	56.7	55.8	54.8	52.6	51.3	46.1	40.0	32.7	29.5	26.7	25.4	24.2	24.8	23.1	19.2	15.6
Female	20.9	19.2	18.5	21.1	21.3	20.2	19.5	20.7	21.5	19.9	17.6	15.0	20.3	14.0	13.5	13.3	12.7
<b>Accidents (unintentional injuries)</b>																	
White	37.3	38.2	37.5	37.2	37.5	37.4	38.0	38.3	39.9	40.6	41.5	41.7	42.6	43.0	45.1	46.7	51.1
Male	50.1	50.9	50.6	51.4	51.5	51.8	53.2	54.5	55.7	57.1	57.0	57.0	57.4	57.3	59.9	62.8	69.9
Female	25.4	26.5	25.6	24.3	24.7	24.2	24.0	23.3	25.1	25.2	27.1	27.5	28.9	29.9	31.3	31.6	33.2
Black	34.2	36.2	37.5	37.3	35.2	32.1	29.6	26.4	24.2	24.6	26.1	24.4	25.4	26.5	27.7	29.5	33.9
Male	53.0	52.8	56.6	56.0	50.3	47.0	44.3	38.2	34.4	35.7	37.2	35.2	37.6	39.2	40.6	43.1	50.9
Female	18.6	22.0	21.1	21.7	21.9	19.7	17.6	16.6	15.4	15.4	16.5	14.9	19.8	19.8	20.8	22.8	24.5
<b>Essential hypertension and hypertensive renal disease</b>																	
White	4.2	4.5	5.0	5.1	5.7	6.0	5.7	5.2	4.8	4.4	4.3	4.3	4.2	4.6	4.2	4.0	4.0
Male	4.3	4.4	4.7	5.0	5.3	5.6	5.5	4.8	4.4	4.5	4.2	3.8	3.8	4.2	3.6	3.8	4.2
Female	4.0	4.3	5.0	5.0	5.8	6.1	5.7	5.4	4.8	4.3	4.2	4.4	4.2	4.7	4.4	4.0	3.7
Black	10.0	10.5	11.4	12.2	15.4	16.4	15.2	14.3	14.5	11.6	9.8	9.1	8.6	7.4	7.4	7.3	8.1
Male	12.9	13.1	11.8	14.2	19.8	20.4	19.5	20.2	18.1	12.0	10.4	10.1	9.4	8.0	8.6	7.5	8.4
Female	8.1	9.2	10.9	11.0	13.1	14.3	12.5	10.3	11.7	10.4	8.4	7.6	3.5	3.8	4.5	4.9	5.7
<b>Aortic aneurysm and dissection</b>																	
White	6.5	6.8	6.4	6.8	6.3	5.8	5.0	4.4	3.7	3.4	3.2	3.2	3.3	3.0	3.0	2.9	2.8
Male	10.4	11.3	10.0	9.6	8.8	8.3	6.9	6.2	5.5	5.1	4.7	4.4	4.3	3.8	3.9	3.8	3.9
Female	4.0	3.9	4.2	4.8	4.4	4.0	3.6	2.9	2.3	2.1	1.9	2.2	2.4	2.4	2.2	2.2	2.0
Black	5.0	5.0	5.5	6.0	6.9	6.4	5.4	5.1	4.1	3.7	3.6	3.4	3.2	3.8	3.4	3.0	3.5
Male	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Female	---	---	---	---	7.0	6.6	---	---	---	---	---	---	---	---	---	---	---

See footnotes at the end of the table

**TABLE F-32. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX, DELAWARE, 1995-2016 - CONTINUED**

Cause of Death/ Race-Sex	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016
<b>Pneumonitis due to solids and liquids</b>																	
White	7.5	8.5	8.9	9.4	8.6	7.8	6.8	6.1	5.4	5.1	4.8	4.7	4.4	4.3	4.2	4.7	4.9
Male	10.5	11.8	11.5	11.6	10.5	9.5	7.9	7.4	6.4	6.3	6.1	6.2	6.2	6.5	6.5	7.0	7.3
Female	5.8	6.7	7.3	8.0	7.4	6.8	5.9	5.2	4.6	4.3	3.8	3.7	3.3	2.9	2.6	3.2	3.3
Black	10.5	11.3	10.4	11.7	10.6	10.7	9.0	8.1	5.6	5.5	4.4	3.9	3.2	4.2	4.6	3.9	4.5
Male	15.4	19.8	17.9	19.9	18.5	18.0	15.2	12.9	---	---	9.1	---	---	7.9	8.4	---	7.3
Female	---	---	---	6.8	---	6.7	---	---	---	---	---	---	---	---	---	---	---
<b>Other diseases of respiratory system</b>																	
White	8.5	8.6	8.8	8.5	8.9	8.6	9.1	9.0	9.0	8.7	8.6	8.8	9.4	9.6	9.7	9.4	9.3
Male	10.6	10.2	9.8	9.7	10.1	10.1	11.3	11.0	10.4	10.3	10.2	9.9	11.4	12.1	12.1	11.7	11.4
Female	7.0	7.3	8.1	7.8	8.1	7.7	7.7	7.5	8.0	7.6	7.5	7.9	7.9	7.7	7.8	7.7	7.8
Black	6.9	7.1	7.9	7.3	7.4	7.1	7.0	7.4	9.3	9.8	10.1	10.4	9.2	7.6	8.4	8.5	7.6
Male	---	---	---	---	9.1	10.5	9.6	9.7	11.4	12.7	13.7	14.6	13.1	12.3	13.3	11.6	10.3
Female	7.9	8.2	7.7	6.5	6.4	---	5.5	5.9	8.0	8.3	8.2	8.0	7.1	5.4	4.6	4.7	3.7
<b>Parkinson's disease</b>																	
White	5.0	5.5	6.0	5.9	5.9	6.1	5.8	6.0	6.1	6.0	5.7	6.2	6.4	6.9	7.2	7.5	7.2
Male	6.8	8.0	8.5	8.7	8.9	9.1	8.8	9.0	8.8	8.4	8.0	8.0	8.2	9.1	9.9	10.1	10.3
Female	3.9	4.2	4.6	4.3	4.2	4.4	4.1	4.2	4.5	4.6	4.4	5.1	5.2	5.4	5.4	5.6	5.0
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3.3	3.0
Male	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Female	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Dementia</b>																	
White	6.6	7.4	8.6	9.5	10.1	11.8	15.5	18.8	23.9	29.3	34.0	36.2	39.1	38.5	38.1	36.8	35.4
Male	7.9	7.8	7.9	8.3	8.7	9.4	12.8	15.6	20.0	24.9	29.3	31.1	33.9	33.8	33.8	31.7	30.3
Female	6.1	7.2	8.9	10.1	10.9	13.0	16.9	20.5	25.8	31.6	36.4	38.9	41.5	40.7	40.2	39.5	38.0
Black	6.0	5.8	8.7	10.4	15.4	16.3	23.1	30.1	34.3	37.1	40.4	41.8	41.9	41.2	41.9	42.0	41.7
Male	---	---	19.0	18.2	22.5	22.3	29.6	29.2	35.4	40.8	42.3	40.2	41.1	42.0	41.6	42.3	43.9
Female	---	---	---	---	12.5	13.5	20.1	30.2	33.8	34.9	39.1	42.3	41.8	40.0	41.6	41.3	40.2

Notes:  
 1. Rates per 100,000, adjusted to U.S. 2000 population.  
 2. See Appendix E for ICD-9 and ICD-10 cause of death codes.  
 3. "..." indicates rate does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.  
 Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

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# **Technical Notes**

## TECHNICAL NOTES

### SOURCES OF DATA

**BIRTHS, DEATHS AND FETAL DEATHS:** Birth, death, and fetal death certificates were the source documents for data on vital events to Delaware residents. A copy of each certificate is included as Appendices F, G, and H.

The cut-off date for data in this report was October 31 after the close of the calendar year. Any data pertaining to an event for which a certificate was filed after this date, are not included in this report. It is possible that data obtained directly from the Delaware Health Statistics Center (DHSC) may differ slightly from that which appear in this report. If this should occur, it is the result of an update that was made after the cut-off date for this report.

Births and deaths to Delaware residents which took place in other states are included in this report. The inclusion of these data is made possible by an agreement among all registration areas in the United States for the exchange of copies of resident certificates.

**MARRIAGES AND DIVORCES:** Each of Delaware's three counties has a state office for the collection of marriage certificates. All of these certificates are processed and maintained by the Office of Vital Statistics in the Division of Public Health's central office in Dover. Copies of divorce certificates are forwarded to the Office of Vital Statistics from the Delaware Family Court system so that certain selected data items can be processed for statistical purposes. A copy of each of these certificates is included as Appendices I and J.

**INDUCED TERMINATIONS OF PREGNANCY:** Beginning on January 1, 1997, all induced terminations of pregnancy (ITOP) were required to be reported to the Delaware Division of Public Health. Reports of induced termination of pregnancy are filed directly with the DHSC. The reports are filed for statistical purposes only and are shredded and discarded when all reports for the data year have been coded. ITOP records are currently not being exchanged among the states, so events to Delaware residents occurring out of state are not included in this report. A copy of the reporting form is included as Appendix K.

**REPORTED PREGNANCIES:** Reported pregnancies refer to live births, fetal deaths, and ITOP. When used in combination, these three events can yield a great deal of information regarding pregnancy and pregnancy outcomes that is not possible by looking at each individual event separately. For example, live birth rates can be calculated using live births in conjunction with population data. However, differences observed between live birth rates in two or more geographic areas or within the same area at different points in time may be due to differences in the rate of pregnancy, differences in pregnancy outcomes (i.e., live birth, fetal death, or ITOP), or a combination of these factors. Only pregnancy rates allow such questions to be thoroughly examined. It should be kept in mind that both births and fetal deaths of Delaware residents are reported regardless of state of occurrence, while induced terminations are reported for only those that occur in Delaware.

**POPULATION PROJECTIONS:** The state, county, and city population figures used in this report are estimates and projections produced by the Delaware Population Consortium (DPC). The DHSC is a member of the DPC and supplies birth and death data used in making the projections. Copies of the most recent projections for Delaware's population by age, race, sex, and geographic location are available at [http://stateplanning.delaware.gov/information/dpc\\_projections.shtml](http://stateplanning.delaware.gov/information/dpc_projections.shtml).

### **DATA QUALITY**

**QUERY AND FIELD PROGRAMS:** The quality of vital statistics data presented in this report is directly related to the completeness and accuracy of the information contained on the certificates and forms. The DHSC works with the Office of Vital Statistics to ensure that the information received is as complete and accurate as possible. The Office of Vital Statistics operates two programs related to improving the quality of information received on vital records -- the query and field programs.

The query program is a system used to follow-back to hospital and clinic personnel, funeral directors and/or physicians concerning data quality problems. The follow-back contact is usually via mail and/or telephone. The field program attempts to improve vital statistics data quality by educating the participants in the vital registration system (i.e., hospital personnel, funeral directors, physicians, etc.) of the uses and importance of vital statistics data.



The field program completes this mission by conducting seminars with various associations representing the individuals listed above.

The National Center for Health Statistics (NCHS) monitors Delaware's coding of statistical data on death certificates. A 20 percent sample of death records coded and submitted monthly by the state are used as a quality control mechanism by NCHS. NCHS codes these sample records independently and then conducts an item-by-item computer match of codes entered by the state and NCHS. NCHS has established an upper limit of 2 percent for coding differences involving any one data item of these sample records, with the exception of cause of death. NCHS independently codes cause of death information.

**COMPUTER EDITS AND DATA PROCESSING:** Another dimension of data quality is related to the procedures and methodologies used in preparing the data for presentation. Beginning with the 1991 Annual Vital Statistics Report, methodologies for editing and processing vital data were standardized to match the procedures used by NCHS in tabulating national vital statistics data. These procedures include checking for valid codes, computation of data items (e.g., age, live-birth order, weeks of gestation, duration of marriage, interval between divorce and remarriage), consistency checks between data items (e.g., age and education), and imputation of missing values.

**FETAL DEATHS:** In terms of the completeness of the data, the reporting of deaths and live births is considered to be virtually complete. However, in Delaware, a spontaneous termination of pregnancy is not required to be reported when the fetus weighs less than 350 grams or, when weight is unattainable, if the duration of pregnancy is less than 20 weeks. National estimates (Ventura, Taffel and Mosher, 1985) indicate that over 90 percent of all spontaneous terminations of pregnancy may occur before this 20-week period and thus go unreported. In addition, the exchange agreement among states for resident fetal death records is problematic due to different reporting requirements; it is unknown whether complete exchange is taking place. The result is that a large number of spontaneous terminations may not be reported.

## **GEOGRAPHY ALLOCATION**

In Delaware's registration program, as in other states, vital events are classified geographically in two ways. The first way is by place of occurrence (i.e., the actual state and county in which the birth or death took place). The second and more customary way is by place of residence (i.e., the state, county, and census tract) stated to be the usual residence of the decedent in the case of death, or of the mother in the case of a newborn.

While occurrence statistics are accurate and have both administrative value and some statistical importance, residence statistics are by far the more useful tool in developing health indices for planning and evaluation purposes. The natality and mortality statistics provided in this report are based upon Delaware residence data. However, the marriage and divorce statistics are occurrence data. This is primarily due to the fact that two separate residences are usually involved in a marriage or a divorce, and there are no accepted standard procedures for classification of residence in these events.

Allocation of vital events by place of residence is sometimes difficult because classification depends entirely on a statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. However, in recent years, the DHSC has invested a great deal of effort into editing of address information leading to a significant improvement in data quality.

In any case, geographical allocation is generally a problem only at the level of census tract. Resident counts at the State level are, for all practical purposes, complete. County resident figures are substantially correct and can be used with a high degree of confidence.

Most of the data provided in this report are available at the census tract level. This information can be obtained by contacting the DHSC.

## **BIRTH WEIGHT**

This report presents birth weight in grams in order to provide data comparable to that published for the United States and other countries. For those live birth certificates where birth weight is reported in pounds and ounces, DHSC converts the birth weight into grams.

The equivalents of the gram intervals in pounds and ounces are as follows:

499 grams or less = 1 lb. 1 oz. or less  
500 - 999 grams = 1 lb. 2 ozs. - 2 lbs. 3ozs.  
1,000 - 1,499 grams = 2 lbs. 4 ozs. - 3 lbs. 4ozs.  
1,500 - 1,999 grams = 3 lbs. 5 ozs. - 4 lbs. 6ozs.  
2,000 - 2,499 grams = 4 lbs. 7 ozs. - 5 lbs. 8ozs.  
2,500 - 2,999 grams = 5 lbs. 9 ozs. - 6 lbs. 9ozs.  
3,000 - 3,499 grams = 6 lbs. 10 ozs. - 7 lbs. 11ozs.  
3,500 - 3,999 grams = 7 lbs. 12 ozs. - 8 lbs. 12ozs.  
4,000 - 4,499 grams = 8 lbs. 13 ozs. - 9 lbs. 14ozs.  
4,500 - 4,999 grams = 9 lbs. 15 ozs. - 11 lbs.  
0ozs. 5,000 grams or more = 11 lbs. 1 oz. or  
more

## **RATES**

Absolute counts of births and deaths do not readily lend themselves to analysis and comparison between years and various geographic areas because of differences in population characteristics (e.g., age, sex, and race). In order to account for such differences, the absolute number of events is converted to a relative number such as a percentage, rate, ratio, or index. These conversions are made by relating the number of events to the population at risk in a particular area at a specified time.

Precautions should always be taken when comparing any rates based on vital events. Both the number of events and the characteristics of the population are important to take into account when interpreting a rate. Historical rates may change from one annual report to another due to refinements in population estimates. Therefore, historical trends should not be examined by comparing rates from previous annual reports.

All statistics are subject to random variation.<sup>1</sup> Rates based on a relatively small number of events tend to be subject to more random variation than rates based on a large number of events.

In addition to the problem of small numbers, demographic characteristics of populations (i.e., age, race and sex) can affect the comparability of rates. Since mortality rates vary substantially by age, race and sex, comparisons between rates from populations that differ in these characteristics could be misleading. However, there are two methods that can be used separately or in combination to improve the comparability of mortality rates. The first method involves comparing rates for specific age, race, and/or sex groups in the populations of interest. With this method, the rates are easily calculated and very specific groups may be compared. However, when very specific groups are compared, the numbers are often small and relationships between the overall populations are difficult to determine.

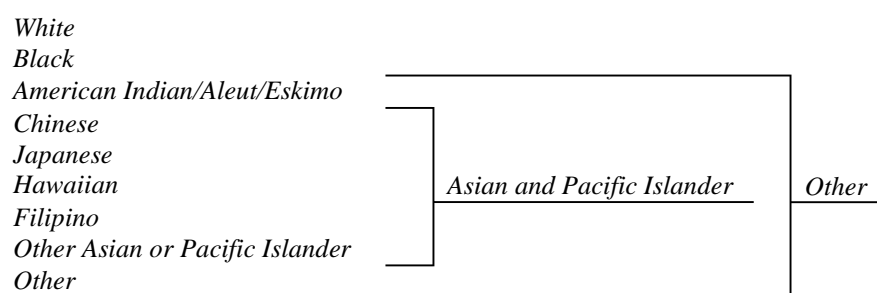
The second method is a more sophisticated technique that statistically "adjusts" for demographic differences between populations and allows direct comparisons between overall population rates.

<sup>1</sup>See Appendix A for details.

The major disadvantages of adjusted rates are that they can be cumbersome to calculate without the aid of a computer and they only have meaning when compared to other rates adjusted in the same manner.

**RACE**

All Delaware vital records contain an item(s) regarding race. Race is self-reported in all records except on death certificates where it is provided by an informant. Although the question allows for a free form response, all race data are grouped for purposes of data analysis into the following categories established by NCHS:



The categories *Chinese*, *Japanese*, *Hawaiian*, *Filipino*, and *Other Asian or Pacific Islander* can be combined to form the category *Asian or Pacific Islander*. For purposes of this report, *American Indian/Aleut/Eskimo*, *Chinese*, *Japanese*, *Hawaiian*, *Filipino*, *Other Asian or Pacific Islander*, and *Other* have been combined to form the category *Other*.

In the case of death, race of decedent from the death certificate is reported in all tables except in the birth cohort (see next paragraph). However, in the case of birth and fetal death, race is indicated on the birth and fetal death certificates for the mother and father only (i.e., race of the newborn is not given). Consequently, birth and fetal death data are reported by the race of the mother in most tables throughout this report. However, some tables containing historical birth data prior to 1989 are reported by the race of the child. For these tables, the race of the child was imputed using criteria established by NCHS.

In the birth cohort section of this report, birth certificate data for infants dying in the first year of life are combined with information from their death certificates. Therefore, data are available for the race of the mother and the race of the deceased infant for each case. In the vast majority of these cases, the race listed for the mother and

infant are the same. However, in a small number of cases, the race of the mother and infant differ. To maintain consistency with data in the natality section, the race of the mother is used for all tables in the birth cohort section.

### **HISPANIC ORIGIN**

Beginning in 1989, a specific question regarding Hispanic origin was added to the birth and death certificates. This question is considered to be separate from the race question. Therefore, a person may report Hispanic origin in combination with any race category. The Hispanic question has two parts. The first simply asks whether the person is of Hispanic origin (yes or no). The second part is a free-form item that asks for the specific origin (e.g., *Cuban, Mexican, Puerto Rican, etc.*).

### **MISSING INFORMATION REGARDING FATHERS**

The Delaware vital statistics law specifies that information regarding the father should not be entered on the birth certificate if the mother is single. As such, there is no information regarding the father for the vast majority of births to single mothers. However, in a few cases, information about the father was entered on the certificate when the mother was single. Some tables in the natality section (e.g., births to parents of Hispanic origin) may contain information regarding the father that includes such cases.

Beginning on January 1, 1995, a new program was instituted to allow fathers to acknowledge paternity through completion of a simple form in cases where the mother and father are not married. This form can be completed at any time up to the child's eighteenth birthday. When such acknowledgments are completed at the hospital at the time of birth, the DHSC is able to add father information to its electronic data base.

### **SOURCE OF PAYMENT FOR DELIVERY**

Beginning with the 1991 data year, the Center began obtaining information regarding the source of payment for delivery on birth certificates (private insurance, Medicaid, and self-pay). However, this information was not available for all Delaware resident mothers giving birth in other states (approximately 5 percent of all resident births). For purposes of this report, all such mothers were assigned to the private insurance category. This assignment was based on detailed analyses of the characteristics of these mothers. These analyses indicated that the

demographic characteristics of these mothers very closely matched the characteristics of Delaware resident mothers who gave birth within the State and had private insurance listed as their source of payment. Furthermore, an examination of Medicaid data indicated that it is extremely rare for Medicaid mothers to give birth out of state.

### **2000 POPULATION STANDARD**

Beginning with the 1999 report, all mortality rates were age-adjusted using the projected 2000 U.S. population standard. All previous versions of the vital statistics report used the 1940 U.S. population standard from the census of the same year. All historical mortality data have been adjusted to the new standard to allow comparisons over time. Comparisons between rates using the old standard and the new standard are not valid and should not be made.

A more detailed explanation of the rationale for updating the population standard can be found in a special report from NCHS (Anderson and Rosenberg, 1998).

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# Appendices

## **APPENDIX A**

### **RANDOM VARIATION**

In this report, the number of vital events represent complete counts for the U.S., Delaware, and county populations. Therefore, they are not subject to sampling error, although they are subject to certain errors in the registration process such as age misreporting. However, the number of events and the corresponding rates are subject to random variation. That is, the rates that actually occurred may be considered as one of a large number of possible outcomes that could have arisen under the same circumstances (National Office of Vital Statistics, 1961). As a result, rates in a given population may tend to fluctuate from year to year even when the health of the population is unchanged. Random variation in rates based on a relatively small number of events, tends to be larger than for rates based upon events that occur more frequently. Delaware rates for some events (e.g., infant deaths) are particularly subject to such variations due to the small number of events that occur by definition in a relatively small population. Therefore, caution should be exercised when drawing conclusions about rates based on small numbers.

The issue of random variation was handled in two ways in this report. First, multi-year average rates were reported instead of annual rates. This tended to reduce the effects of random variation since the number of events in a five-year period was much larger. Second, tests of statistical significance were used to make comparisons between rates when appropriate. These statistical tests were used to determine the chance that the observed differences would occur in populations with equal rates by random variation alone. The methods used to calculate infant mortality rates are described in Appendix B.



## APPENDIX B

### METHODS FOR CALCULATION AND STATISTICAL ANALYSIS OF FIVE-YEAR AVERAGE INFANT MORTALITY RATES

Due to the small number of infant deaths in Delaware, slight year-to-year changes in the number of deaths can lead to substantial fluctuations in annual rates. In many cases, this problem makes interpretation of annual rates extremely difficult, if not impossible. Since there is far less random fluctuation in five-year average (FYA) rates, they are much better for assessing the health status of infants in Delaware.<sup>2</sup> When rolling FYA rates (e.g., rates for 1980-1984, 1981-1985, and 1982-1986) are used, the patterns of changes in infant mortality over a number of years can be determined.

A description of the methods used to calculate the running FYA rates and the statistical methodology used to compare infant mortality rates are described below.

**FIVE-YEAR AVERAGE INFANT MORTALITY RATES:** Running FYA infant, neonatal, and postneonatal mortality rates (see Definitions) were calculated by race for the U.S., Delaware, and Delaware's three counties. The rates (i.e., infant, neonatal, or postneonatal) were computed by dividing the total number of deaths over each five-year period by the total number of live births over the same five-year period and multiplying the result by 1,000.

#### STATISTICAL TESTS:

Confidence intervals for rates based on fewer than 100 deaths:

$$LCL = R_1 * L(.95, D_{adj})$$

$$UCL = R_1 * U(.95, D_{adj})$$

$$\text{where } D_{adj} = \frac{D * B}{D + B}$$

*L and U are upper and lower confidence factors based on a gamma distribution with parameter  $D_{adj}$ .*

<sup>2</sup>See Appendix A for a description of random variation and rationale for use of five-year average rates.

Confidence intervals for rates based 100 or more deaths:

$$R_1 \pm 1.96 * SE$$

$$\text{where } SE(R_1) = R_1 * \frac{RSE(R_1)}{100}$$

$$\text{and } RSE(R_1) = 100 * \sqrt{\left(\frac{1}{D} + \frac{1}{B}\right)}$$

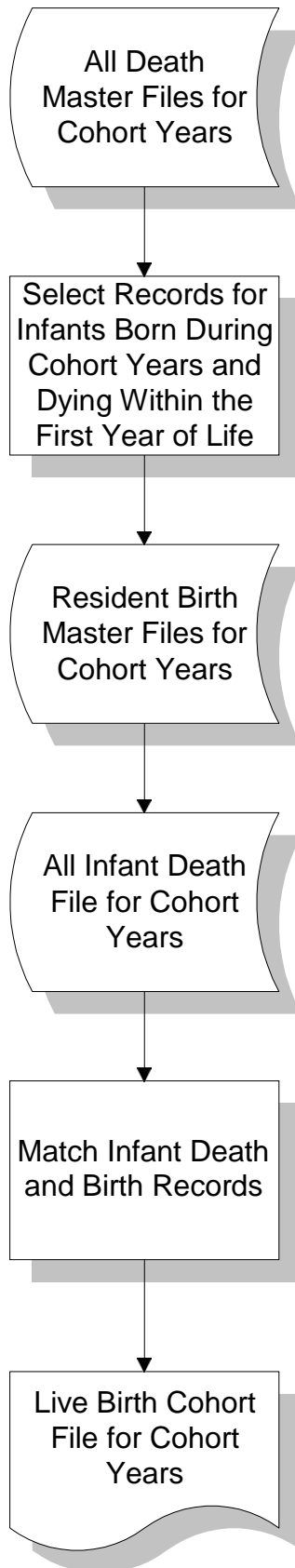
*Comparison of two infant mortality rates* - When the number of events for one or both of the rates was less than 100, comparisons between rates were based on the confidence intervals for each. If they overlapped, the difference was not significant. When the number of events for both rates was 100 or more, the following z-test was used to define a significant test statistic:

$$z = \frac{R_1 - R_2}{\sqrt{R_1^2 \left(\frac{RSE(R_1)}{100}\right)^2 + R_2^2 \left(\frac{RSE(R_2)}{100}\right)^2}}$$

If  $|z| \geq 1.96$  then the difference between the rates was statistically significant at the 0.05-level.

## APPENDIX C

### CREATION OF A LIVE BIRTH COHORT FILE



## APPENDIX D

### COMPARABLE CATEGORY CODES FOR SELECTED CAUSES OF INFANT DEATH

Cause of death	Category codes according to	
	ICD-10 <sup>1</sup>	ICD-9 <sup>2</sup>
Diarrhea and gastroenteritis of infectious origin	A09	009
Tuberculosis	A16–A19	010-018
Tetanus	A33,A35	037,771.3
Diphtheria	A36	032
Whooping cough	A37	033
Meningococcal infection	A39	036
Septicemia	A40-A41	038
Congenital syphilis	A50	090
Gonococcal infection	A54	098
Acute poliomyelitis	A80	045
Varicella (chickenpox)	B01	052
Measles	B05	055
Human immunodeficiency virus (HIV)	B20-B24	042-044
Mumps	B26	072
Candidiasis	B37	112
Malaria	B50–B54	084
Pneumocystosis	B59	136.3
Malignant Neoplasms	C00-C97	140-208
In situ, benign, and neoplasms of uncertain or unk behavior	D00-D48	210-239
Diseases of blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89	135,279-289
Short stature, not elsewhere classified	E34.3	259.4
Nutritional deficiencies	E40-E64	260-269
Cystic fibrosis	E84	277.0
Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87	276
Meningitis	G00,G03	320-322
Infantile spinal muscular atrophy, type I	G12.0	335.0
Infantile cerebral palsy	G80	343
Anoxic brain damage, not elsewhere classified	G93.1	348.1
Diseases of the ear and mastoid process	H60-H93	380-389
Diseases of the circulatory system	I00-I99	390-434,436-459
Acute upper respiratory infections	J00-J06	034.0,460-465
Influenza and pneumonia	J10-J18	480-487
Acute bronchitis and bronchiolitis	J20-J21	466
Bronchitis, chronic and unspecified	J40-J42	490-491
Asthma	J45-J46	493
Pneumonitis due to solids and liquids	J69	507
Gastritis, duodenitis, and noninfective enteritis and colitis	K29,K50-K55	535,555-558
Hernia of abdominal cavity and intestinal obstruction without hernia	K40-K46,K56	550-553,560
Renal failure and other disorders of kidney	N17-N19,N25,N27	584-589
Newborn affected by maternal hypertensive disorders	P00.0	760.0
Newborn affected by other maternal conditions which may be unrelated to present pregnancy	P00.1-P00.9	760.1-760.6,760.8-760.9
Newborn affected by maternal complications of pregnancy	P01	761
Newborn affected by complications of placenta, cord, and membranes	P02	762

## APPENDIX D (cont.)

### COMPARABLE CATEGORY CODES FOR SELECTED CAUSES OF INFANT DEATH

Cause of death	Category codes according to	
	ICD-10 <sup>1</sup>	ICD-9 <sup>2</sup>
Newborn affected by other complications of labor and delivery	P03	763.0-763.4,763.6-763.9
Newborn affected by noxious influences transmitted via placenta or breast milk	P04	760.7,763.5
Slow fetal growth and fetal malnutrition	P05	764
Disorders related to short gestation and low birth weight, not elsewhere classified	P07	765
Disorders related to long gestation and high birth weight	P08	766
Birth trauma	P10-P15	767
Intrauterine hypoxia and birth asphyxia	P20-P21	768
Respiratory distress of newborn	P22	769
Congenital pneumonia	P23	770.0
Neonatal aspiration syndrome	P24	770.1
Interstitial emphysema and related conditions originating in the perinatal period	P25	770.2
Pulmonary hemorrhage originating in the perinatal period	P26	770.3
Chronic respiratory disease originating in the perinatal period	P27	770.7
Atelectasis	P280.-P28.1	770.4-770.5
Bacterial sepsis of newborn	P36	771.8
Omphalitis of newborn with or without mild hemorrhage	P38	771.4
Neonatal hemorrhage	P50-P52,P54	772
Hemorrhagic disease of newborn	P53	776.0
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice	P55-P59	773-774
Hematological disorders	P60-P61	776.1-776.9
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2	775.0-775.1
Necrotizing enterocolitis of newborn	P77	777.5
Hydrops fetalis not due to hemolytic disease	P83.2	778.0
Congenital malformations, deformations, and chromosomal abnormalities	Q00-Q99	740-759
Sudden infant death syndrome	R95	798.0
Accidents	V01-X59	800-869,880-929
Homicide	X85-Y09	960-968
Complications of medical and surgical care	Y40-Y84,Y88	E870-E879,E930-E949

Note: 1. *International Classification of Diseases, Tenth Revision.*  
 2. *International Classification of Diseases, Ninth Revision.*

Source: Anderson RN, Miniño AM, Hoyert DL, Rosenberg HM. *Comparability of Cause of Death Between ICD-9 and ICD-10: Preliminary Estimates.* National vital statistics reports; Vol 49, No. 2. Hyattsville, Maryland: National Center for Health Statistics. 2001.

## APPENDIX E

### COMPARABLE CATEGORY CODES FOR SELECTED CAUSES OF DEATH

Cause of death	Category codes according to	
	ICD-10 <sup>1</sup>	ICD-9 <sup>2</sup>
Salmonella infections	A01-A02	002-003
Shigellosis and amebiasis	A03,A06	004,006
Tuberculosis	A16–A19	010-018
Whooping cough	A37	033
Scarlet fever and erysipelas	A38,A46	034.1-035
Meningococcal infection	A39	036
Septicemia	A40-A41	038
Syphilis	A50–A53	090-097
Acute poliomyelitis	A80	045
Arthropod-borne viral encephalitis	A83-A84,A85.2	062-064
Measles	B05	055
Viral hepatitis	B15–B19	070
Human immunodeficiency virus (HIV)	B20-B24	042-044
Malaria	B50–B54	084
Malignant Neoplasms	C00-C97	140-208
In situ, benign, and neoplasms of uncertain or unk behavior	D00-D48	210-239
Anemias	D50-D64	280-285
Diabetes mellitus	E10-E14	250
Nutritional deficiencies	E40-E64	260-269
Meningitis	G00,G03	320-322
Parkinson's disease	G20-G21	332
Alzheimer's Disease	G30	331.0
Diseases of the Heart	I00-I09, I11, I13, I20-I51	390-398, 402, 404, 410-429
Essential (primary) hypertension and hypertensive renal disease	I10, I12	401, 403
Cerebrovascular Diseases	I60-I69	430-434, 436-438
Atherosclerosis	I70	440
Aortic aneurysm and dissection	I71	441
Influenza and pneumonia	J10-J18	480-487
Acute bronchitis and bronchiolitis	J20-J21	466
Chronic Lower Respiratory Diseases	J40-J47	490-494, 496
Pneumoconioses and chemical effects	J60-J66,J68	500-506
Pneumonitis due to solids and liquids	J69	507
Peptic ulcer	K25-K28	531-534
Disease of the appendix	K35-K38	540-543
Hernia	K40-K46	550-553
Chronic liver disease and cirrhosis	K70, K73-K74	571
Cholelithiasis and other disorders of gallbladder	K80-K82	574-575
Nephritis, nephrotic syndrome, and nephrosis	N00-N07, N17-N19, N25-N27	580-589
Infections of kidney	N10-N12,N13.6,N15.1	590
Hyperplasia of prostate	N40	600
Inflammatory disease of female pelvic organs	N70-N76	614-616
Pregnancy, childbirth and the puerperium	O00-O99	630-676
Certain conditions originating in the perinatal period	P00-P96	760-771.2, 771.4-779

## APPENDIX E (cont.)

### COMPARABLE CATEGORY CODES FOR SELECTED CAUSES OF DEATH

Cause of death	Category codes according to	
	ICD-10 <sup>1</sup>	ICD-9 <sup>2</sup>
Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99	740-759
Accidents (unintentional injuries)	V01-X59, Y85-Y86	E800-E869, E880-E929
Intentional self-harm (suicide)	*U03, X60-X84, Y87.0	E950-E959
Assault (Homicide)	*U01-*U02, X85-Y09, Y87.1	E960-E969
Legal intervention	Y35, Y89.0	E970-E978
Operations of war and their sequelae	Y36, Y89.1	E990-E999
Complications of medical and surgical care	Y40-Y84, Y88	E870-E879, E930-E949

*Note: 1. International Classification of Diseases, Tenth Revision.  
2. International Classification of Diseases, Ninth Revision.*

*Source: Anderson RN, Miniño AM, Hoyert DL, Rosenberg HM. Comparability of Cause of Death Between ICD-9 and ICD-10: Preliminary Estimates. National vital statistics reports; Vol 49, No. 2. Hyattsville, Maryland: National Center for Health Statistics. 2001.*

# APPENDIX F

## STATE OF DELAWARE CERTIFICATE OF LIVE BIRTH

STATE OF DELAWARE  
DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
**CERTIFICATE OF LIVE BIRTH**

(107)  
**STATE FILE #**

<b>CHILD</b>	1. CHILD'S NAME (First, Middle, Last, Suffix)		2. TIME OF BIRTH (24HR)	3. SEX	4. DATE OF BIRTH (Mo/Day/Yr)
	5. FACILITY NAME (If not institution, give street and number)		6. CITY, TOWN, OR LOCATION OF BIRTH		7. COUNTY OF BIRTH
<b>MOTHER</b>	8a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		8b. MOTHER'S DATE OF BIRTH (Mo/Day/Yr)		
	8c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)		8d. BIRTHPLACE (State, Territory, or Foreign Country)		
	9a. RESIDENCE OF MOTHER-STATE	9b. COUNTY	9c. CITY, TOWN, OR LOCATION		
	9d. STREET AND NUMBER		9e. APT. NO	9f. ZIP CODE	9g. INSIDE CITY LIMITS? <input type="checkbox"/> YES <input type="checkbox"/> NO
<b>FATHER</b>	10a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		10b. DATE OF BIRTH (Mo/Day/Yr)	10c. BIRTHPLACE (State, Territory, or Foreign Country)	
	11. CERTIFIER'S NAME TITLE: <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> HOSPITAL ADMIN. <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (SPECIFY) _____		12. DATE CERTIFIED MM / DD / YYYY	13. DATE FILED BY REGISTRAR MM / DD / YYYY	
<b>MOTHER</b>	<b>INFORMATION FOR ADMINISTRATIVE USE</b>				
	14. MOTHER'S MAILING ADDRESS: <input type="checkbox"/> Same as residence, or:		STATE:	CITY, TOWN, OR LOCATION	
	STREET & NUMBER:		APARTMENT NO.	ZIP CODE:	
	15. MOTHER'S DOMESTIC STATUS? (At birth, conception, or any time between) <input type="checkbox"/> Married <input type="checkbox"/> Not Married <input type="checkbox"/> Civil Union		16. SOCIAL SECURITY NUMBER REQUESTED FOR CHILD? <input type="checkbox"/> Yes <input type="checkbox"/> No	17. FACILITY ID. (NPI)	
	IF NOT MARRIED HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED IN THE HOSPITAL? <input type="checkbox"/> Yes <input type="checkbox"/> No		18. MOTHER'S SOCIAL SECURITY NUMBER:		
<b>MOTHER</b>	<b>INFORMATION FOR MEDICAL AND HEALTH PURPOSES ONLY</b>				
	20. MOTHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery)  <input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade, no diploma <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Some college credit but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	21. MOTHER OF HISPANIC ORIGIN? (Check the box that best describes whether the mother is Spanish/Hispanic/Latina. Check the "No" box if mother is not Spanish/Hispanic/Latina)  <input type="checkbox"/> No, not Spanish/Hispanic/Latina <input type="checkbox"/> Yes, Mexican, Mexican American, Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____	22. MOTHER'S RACE (Check one or more races to indicate what the mother considers herself to be)  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____  Predominant Race _____		
			23. FATHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery)  <input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade, no diploma <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Some college credit but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, M.Ed., MSW, MBA) <input type="checkbox"/> Doctorate (e.g., Ph.D., EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		
<b>FATHER</b>	24. FATHER OF HISPANIC ORIGIN? (Check the box that best describes whether the father is Spanish/Hispanic/Latino. Check the "No" box if father is not Spanish/Hispanic/Latino)  <input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican, Mexican American, Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____	25. FATHER'S RACE (Check one or more races to indicate what the father considers himself to be)  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____  Predominant Race _____			
		26. PLACE WHERE BIRTH OCCURRED (Check one) <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Birth: Planned to deliver at home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Clinic/Doctor's office <input type="checkbox"/> Other (Specify) _____			
<b>STATE OFFICE USE ONLY</b>	27. ATTENDANT'S NAME, TITLE, AND NPI NAME: _____ NPI: _____ TITLE: <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (Specify) _____		28. MOTHER TRANSFERRED FOR MATERNAL MEDICAL OR FETAL INDICATIONS FOR DELIVERY? <input type="checkbox"/> Yes <input type="checkbox"/> No  IF YES, ENTER NAME OF FACILITY MOTHER TRANSFERRED FROM: _____		



# APPENDIX F (cont.)

## STATE OF DELAWARE CERTIFICATE OF LIVE BIRTH STATISTICAL SECTION

<b>MOTHER</b>	29a. DATE OF FIRST PRENATAL CARE VISIT MM / DD / YYYY <input type="checkbox"/> No Prenatal Care		29b. DATE OF LAST PRENATAL CARE VISIT MM / DD / YYYY		30. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY (If none, enter "0")				
	31. MOTHER'S HEIGHT _____ (feet/inches)		32. MOTHER'S PRE-PREGNANCY WEIGHT _____ (pounds)		33. MOTHER'S WEIGHT AT DELIVERY _____ (pounds)				
	35. NUMBER OF PREVIOUS LIVE BIRTHS (Do not include this child)		36. NUMBER OF OTHER PREGNANCY OUTCOMES (Spontaneous or induced losses or ectopic pregnancies)		37. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY For each time period, enter the number of cigarettes smoked IF NONE, ENTER "0" Average number of cigarettes or packs of cigarettes smoked per day  # of Cigarettes # or packs Three Months Before Pregnancy _____ OR _____ First Three Months of Pregnancy _____ OR _____ Second Three Months of Pregnancy _____ OR _____ Last Trimester of Pregnancy _____ OR _____				
	35a. Now Living Number <input type="checkbox"/> None		35b. Now Dead Number <input type="checkbox"/> None				38. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Private Insurance <input type="checkbox"/> Medicaid <input type="checkbox"/> Self pay <input type="checkbox"/> Other (Specify) _____		
35c. DATE OF LAST LIVE BIRTH MM / DD / YYYY		36b. DATE OF LAST OTHER PREGNANCY OUTCOME MM / DD / YYYY		39. DATE LAST NORMAL MENSES BEGAN MM / DD / YYYY		40. MOTHER'S MEDICAL RECORD NUMBER			
<b>MEDICAL AND HEALTH INFORMATION</b>	41. RISK FACTORS IN THIS PREGNANCY (Check all that apply). <b>Diabetes</b> <input type="checkbox"/> Pre-Pregnancy (Diagnosis prior to this pregnancy) <input type="checkbox"/> Gestational (Diagnosis in this pregnancy) <b>Hypertension</b> <input type="checkbox"/> Pre-Pregnancy (Chronic) <input type="checkbox"/> Gestational <input type="checkbox"/> Eclampsia <input type="checkbox"/> Previous preterm birth <input type="checkbox"/> Other previous poor pregnancy outcome (includes perinatal death, small-for-gestational age/intrauterine growth restricted birth) <input type="checkbox"/> Pregnancy resulted from infertility treatment-if yes, check all that apply: <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization [IVF], gamete intrafallopian transfer [GIFT]) <input type="checkbox"/> Mother had a previous cesarean delivery If yes, how many _____ <input type="checkbox"/> None of the above			44. ONSET OF LABOR (CHECK ALL THAT APPLY) <input type="checkbox"/> Premature Rupture of Membranes (prolonged, >= 12 hrs.) <input type="checkbox"/> Precipitous Labor (< 3 hrs.) <input type="checkbox"/> Prolonged Labor (>= 20 hrs.) <input type="checkbox"/> None of the Above			46. METHOD OF DELIVERY A. Was delivery with forceps attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No B. Was delivery with vacuum extraction attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No C. Fetal presentation at birth <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other D. Final route and method of delivery (Check one) <input type="checkbox"/> Vaginal/Spontaneous <input type="checkbox"/> Vaginal/Forceps <input type="checkbox"/> Vaginal/Vacuum <input type="checkbox"/> Cesarean If cesarean, was a trial of labor attempted? <input type="checkbox"/> Yes <input type="checkbox"/> No		
	42. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply) <input type="checkbox"/> Gonorrhea <input type="checkbox"/> Syphilis <input type="checkbox"/> Chlamydia <input type="checkbox"/> Hepatitis B <input type="checkbox"/> Hepatitis C <input type="checkbox"/> None of the above			45. CHARACTERISTICS OF LABOR AND DELIVERY <input type="checkbox"/> Induction of labor <input type="checkbox"/> Augmentation of labor <input type="checkbox"/> Non-vertex presentation <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery <input type="checkbox"/> Antibiotics received by the mother during labor <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature $\geq 38^{\circ}\text{C}$ ( $100.4^{\circ}\text{F}$ ) <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid <input type="checkbox"/> Fetal intolerance of labor such that one or more of the following actions was taken: in-utero resuscitative measures, further fetal assessment, or operative delivery <input type="checkbox"/> Epidural or spinal anesthesia during labor <input type="checkbox"/> None of the above			47. MATERNAL MORBIDITY (Check all that apply) (Complications associated with labor and delivery) <input type="checkbox"/> Maternal transfusion <input type="checkbox"/> Third or fourth degree perineal laceration <input type="checkbox"/> Ruptured uterus <input type="checkbox"/> Unplanned hysterectomy <input type="checkbox"/> Admission to intensive care unit <input type="checkbox"/> Unplanned operating room procedure following delivery <input type="checkbox"/> None of the above		
	43. OBSTETRIC PROCEDURES (Check all that apply) <input type="checkbox"/> Cervical cerclage <input type="checkbox"/> Tocolysis External cephalic version: <input type="checkbox"/> Successful <input type="checkbox"/> Failed <input type="checkbox"/> None of the above								
	<b>NEWBORN INFORMATION</b>								
48. NEWBORN MEDICAL RECORD NUMBER			54. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply) <input type="checkbox"/> Assisted ventilation required immediately following delivery <input type="checkbox"/> Assisted ventilation required for more than six Hours <input type="checkbox"/> NICU admission <input type="checkbox"/> Newborn given surfactant replacement therapy <input type="checkbox"/> Antibiotics received by the newborn for suspected neonatal sepsis <input type="checkbox"/> Seizure or serious neurologic dysfunction <input type="checkbox"/> Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention) <input type="checkbox"/> None of the above			55. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply) <input type="checkbox"/> Anencephaly <input type="checkbox"/> Meningocele/Spina bifida <input type="checkbox"/> Cyanotic congenital heart disease <input type="checkbox"/> Congenital diaphragmatic hernia <input type="checkbox"/> Omphalocele <input type="checkbox"/> Gastroschisis <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes) <input type="checkbox"/> Cleft Lip with or without Cleft Palate <input type="checkbox"/> Cleft Palate alone <input type="checkbox"/> Down Syndrome <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending <input type="checkbox"/> Suspected chromosomal disorder <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending <input type="checkbox"/> Hypospadias <input type="checkbox"/> None of the above			
49. BIRTHWEIGHT (grams preferred, specify unit) _____ <input type="checkbox"/> grams <input type="checkbox"/> lb/oz									
50. OBSTETRIC ESTIMATE OF GESTATION _____ (completed weeks)									
51. APGAR SCORE: Score at 5 minutes _____ <b>If 5 minute score is less than 6,</b> Score at 10 minutes _____									
52. PLURALITY – Single, Twin, Triplet, etc. (Specify) _____									
53. IF NOT SINGLE BIRTH – Born first, second, third, etc. (Specify) _____									
56. WAS INFANT TRANSFERRED WITHIN 24 HOURS OF DELIVERY? <input type="checkbox"/> Yes <input type="checkbox"/> No IF YES, NAME OF FACILITY INFANT TRANSFERRED TO: _____			57. IS INFANT LIVING AT TIME OF REPORT? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Infant transferred, status unknown			58. IS INFANT BEING BREASTFED AT DISCHARGE? <input type="checkbox"/> Yes <input type="checkbox"/> No			

DPH REV 1/2012

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

# APPENDIX G

## STATE OF DELAWARE CERTIFICATE OF DEATH

**OFFICE OF VITAL  
STATISTICS**

**CERTIFICATE OF DEATH**  
**State of Delaware**  
**DEPARTMENT OF HEALTH AND SOCIAL  
SERVICES**

(107)

State File Number

To Be Completed/ Verified By: FUNERAL DIRECTOR	1. DECEDENT'S LEGAL NAME (Include AKA's if any) (First, Middle, Last)				2. SEX		3. SOCIAL SECURITY NUMBER		
	4a. AGE-Last Birthday (Years)		4b. UNDER 1 YEAR Months    Days	4c. UNDER 1 DAY Hours    Minutes		5. DATE OF BIRTH (Mo/Day/Yr)		6. BIRTHPLACE (City and State or Foreign Country)	
	7a. RESIDENCE-STATE			7b. COUNTY		7c. CITY OR TOWN			
	7d. STREET AND NUMBER				7e. APT. NO.	7f. ZIP CODE	7g. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No		
	8. EVER IN US ARMED FORCES? <input type="checkbox"/> Yes <input type="checkbox"/> No		9. MARITAL STATUS AT TIME OF DEATH <input type="checkbox"/> Married <input type="checkbox"/> Widowed <input type="checkbox"/> Divorced <input type="checkbox"/> Never Married <input type="checkbox"/> Unknown			10. SURVIVING SPOUSE'S NAME (If wife, give name prior to first marriage)			
	11. FATHER'S NAME (First, Middle, Last)				12. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)				
	13a. INFORMANT'S NAME			13b. RELATIONSHIP TO DECEDENT		13c. MAILING ADDRESS (Street and Number, City, State, Zip Code)			
	<b>14. PLACE OF DEATH (Check only one; see instructions)</b>								
	IF DEATH OCCURRED IN A HOSPITAL: <input type="checkbox"/> Inpatient <input type="checkbox"/> Emergency Room/Outpatient <input type="checkbox"/> Dead on Arrival				IF DEATH OCCURRED SOMEWHERE OTHER THAN A HOSPITAL: <input type="checkbox"/> Hospice facility <input type="checkbox"/> Nursing home/Long term care facility <input type="checkbox"/> Decedent's home <input type="checkbox"/> Other (Specify):				
	15. FACILITY NAME (If not institution, give street & number)				16. CITY OR TOWN, STATE, AND ZIP CODE			17. COUNTY OF DEATH	
	18. METHOD OF DISPOSITION: <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Donation <input type="checkbox"/> Entombment <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify):			19. PLACE OF DISPOSITION (Name of cemetery, crematory, other place)					
	20. LOCATION-CITY, TOWN, AND STATE			21. NAME AND COMPLETE ADDRESS OF FUNERAL FACILITY					
	22. SIGNATURE OF FUNERAL SERVICE LICENSEE OR OTHER AGENT						23. LICENSE NUMBER (Of Licensee)		
	<b>ITEMS 24-28 MUST BE COMPLETED BY PERSON WHO PRONOUNCES OR CERTIFIES DEATH</b>				24. DATE PRONOUNCED DEAD (Mo/Day/Yr)		25. TIME PRONOUNCED DEAD		
26. SIGNATURE OF PERSON PRONOUNCING DEATH (Only when applicable)				27. LICENSE NUMBER		28. DATE SIGNED (Mo/Day/Yr)			
29. ACTUAL OR PRESUMED DATE OF DEATH (Mo/Day/Yr) (Spell Month)			30. ACTUAL OR PRESUMED TIME OF DEATH		31. WAS MEDICAL EXAMINER CONTACTED?				
<b>CAUSE OF DEATH (See instructions and examples)</b>							Approximate interval: Onset to death		
32. <b>PART I.</b> Enter the <u>chain of events</u> --diseases, injuries, or complications--that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines if necessary.									
IMMEDIATE CAUSE (Final disease or condition ----->)									
a. _____ resulting in death _____ Due to (or as a consequence of): _____									
b. _____ if any, leading to the cause _____ Due to (or as a consequence of): _____									
c. _____ (disease or injury that _____ Due to (or as a consequence of): _____									
initiated the events resulting in death) <b>LAST</b>									
d. _____									
PART II. Enter other <u>significant conditions contributing to death</u> but not resulting in the underlying cause given in PART I						33. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
						34. WERE AUTOPSY FINDINGS AVAILABLE TO COMPLETE THE CAUSE OF DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			

## APPENDIX G (cont.)

### STATE OF DELAWARE CERTIFICATE OF DEATH

35. DID TOBACCO USE CONTRIBUTE TO DEATH?  <input type="checkbox"/> Yes <input type="checkbox"/> Probably <input type="checkbox"/> No <input type="checkbox"/> Unknown	36. IF FEMALE: <input type="checkbox"/> Not pregnant within past year <input type="checkbox"/> Pregnant at time of death <input type="checkbox"/> Not pregnant, but pregnant within 42 days of death <input type="checkbox"/> Not pregnant, but pregnant 43 days to 1 year before death <input type="checkbox"/> Unknown if pregnant within the past year	37. MANNER OF DEATH  <input type="checkbox"/> Natural <input type="checkbox"/> Homicide <input type="checkbox"/> Accident Investigation <input type="checkbox"/> Pending <input type="checkbox"/> Suicide determined <input type="checkbox"/> Could not be determined	
38. DATE OF INJURY (Mo/Day/Yr) (Spell Month)	39. TIME OF INJURY	40. PLACE OF INJURY (e.g., Decedent's home; construction site; restaurant; wooded area)	41. INJURY AT WORK? <input type="checkbox"/> Yes <input type="checkbox"/> No
42. LOCATION OF INJURY: State: _____ City or Town: _____ Street & Number: _____ Apartment No.: _____ Zip Code: _____		43. DESCRIBE HOW INJURY OCCURRED: _____	
44. IF TRANSPORTATION INJURY, SPECIFY: <input type="checkbox"/> Driver/Operator <input type="checkbox"/> Passenger <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other (Specify) _____			
45. CERTIFIER (Check only one): <input type="checkbox"/> Certifying physician-To the best of my knowledge, death occurred due to the cause(s) and manner stated. <input type="checkbox"/> Pronouncing & Certifying physician-To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner stated. <input type="checkbox"/> Medical Examiner-On the basis of examination, and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner stated.  Signature of certifier: _____			
46. NAME, ADDRESS, AND ZIP CODE OF PERSON COMPLETING CAUSE OF DEATH (Item 32)			
47. TITLE OF CERTIFIER	48. LICENSE NUMBER	49. DATE CERTIFIED (Mo/Day/Yr)	50. FOR REGISTRAR ONLY -DATE FILED (Mo/Day/Yr)
51. DECEDENT'S EDUCATION-Check the box that best describes the highest degree or level of school completed at the time of death. <input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th - 12th grade; no diploma  <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Professional Trade School <input type="checkbox"/> Some college credit, but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD) <input type="checkbox"/> Unknown	52. DECEDENT OF HISPANIC ORIGIN? Check the box that best describes whether the decedent is Spanish/Hispanic/Latino. Check the "No" box if decedent is not Spanish/Hispanic/Latino.  <input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican, Mexican American, Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown	53. DECEDENT'S RACE (Check one or more races to indicate what the decedent considered himself or herself to be) <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Specify tribal name) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____  <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) : _____ <input type="checkbox"/> Unknown	
54. DECEDENT'S USUAL OCCUPATION (Indicate type of work done during most of working life. DO NOT USE RETIRED.)			
55. KIND OF BUSINESS/INDUSTRY			

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

# APPENDIX H

## STATE OF DELAWARE CERTIFICATE OF FETAL DEATH

### STATE OF DELAWARE DEPARTMENT OF HEALTH AND SOCIAL SERVICES REPORT OF FETAL DEATH

(107)  
STATE FILE #

<b>FETUS</b>	1. NAME OF FETUS (optional-at the discretion of the parents)	2. TIME OF DELIVERY (24hr)	3. SEX (M/F/Unk)	4. DATE OF DELIVERY (Mo/Day/Yr)
	5a. CITY, TOWN, OR LOCATION OF DELIVERY	7. PLACE WHERE DELIVERY OCCURRED (Check one) <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Delivery, Planned to deliver at home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Clinic/Doctor's office <input type="checkbox"/> Other (Specify) _____		8. FACILITY NAME (if not institution, give street and number)
	5b. ZIP CODE OF DELIVERY			9. FACILITY ID. (NPI)
	6. COUNTY OF DELIVERY			
<b>MOTHER</b>	10a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			10b. DATE OF BIRTH (Mo/Day/Yr)
	10c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)			10d. BIRTHPLACE (State, Territory, or Foreign Country)
	11a. RESIDENCE OF MOTHER-STATE	11b. COUNTY	11c. CITY, TOWN, OR LOCATION	
	11d. STREET AND NUMBER	11e. APT. NO.	11f. ZIP CODE	11g. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>FATHER</b>	12a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)	12b. DATE OF BIRTH (Mo/Day/Yr)	12c. BIRTHPLACE (State, Territory, or Foreign Country)	
<b>13. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH</b>				
<b>CAUSE OF FETAL DEATH</b>	13a. INITIATING CAUSE/CONDITION (AMONG THE CHOICES BELOW, PLEASE SELECT THE ONE WHICH MOST LIKELY BEGAN THE SEQUENCE OF EVENTS RESULTING IN THE DEATH OF THE FETUS) Maternal Conditions/Diseases (Specify) _____ Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____ Fetal Anomaly (Specify) _____ Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____ <input type="checkbox"/> Unknown		13b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (SELECT OR SPECIFY ALL OTHER CONDITIONS CONTRIBUTING TO DEATH IN ITEM 13b) Maternal Conditions/Diseases (Specify) _____ Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____ Fetal Anomaly (Specify) _____ Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____ <input type="checkbox"/> Unknown	
	13c. WEIGHT OF FETUS (grams preferred, specify unit) <input type="checkbox"/> grams <input type="checkbox"/> lb/oz	13e. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death	13f. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	
	13d. OBSTETRIC ESTIMATE OF GESTATION AT DELIVERY (completed weeks)	13g. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned		13h. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>DISPOSITION</b>	14. METHOD OF DISPOSITION: <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Donation <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____			
<b>CERTIFIER AND REGISTRATION INFORMATION</b>	15a. ATTENDANT'S NAME	15b. ATTENDANT'S NPI	15c. ATTENDANT'S TITLE <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (Specify) _____	
	16a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE SHOWN AND THAT THE FETUS WAS BORN DEAD SIGNATURE ➤ _____			16b. DATE SIGNED
	16c. MAILING ADDRESS			
MOTHER'S MEDICAL RECORD NO.	17a. NAME OF CEMETARY OR CREMATORY	17b. LOCATION (CITY, TOWN, COUNTY) (STATE)		
	18a. DATE RECEIVED BY REGISTRAR	18b. REGISTRAR'S SIGNATURE ➤ _____	19. FUNERAL DIRECTOR'S SIGNATURE ➤ _____	ADDRESS _____

# APPENDIX H (cont.)

## STATE OF DELAWARE CERTIFICATE OF FETAL DEATH

<b>MOTHER</b>	<b>20. MOTHER'S EDUCATION</b> (Check the box that best describes the highest degree or level of school completed at the time of delivery) <ul style="list-style-type: none"> <li><input type="checkbox"/> 8th grade or less</li> <li><input type="checkbox"/> 9th - 12th grade, no diploma</li> <li><input type="checkbox"/> High school graduate or GED completed</li> <li><input type="checkbox"/> Some college credit but no degree</li> <li><input type="checkbox"/> Associate degree (e.g., AA, AS)</li> <li><input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)</li> <li><input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)</li> <li><input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)</li> </ul>			<b>21. MOTHER OF HISPANIC ORIGIN?</b> (Check the box that best describes whether the mother is Spanish/Hispanic/Latina. Check the "No" box if mother is not Spanish/Hispanic/Latina) <ul style="list-style-type: none"> <li><input type="checkbox"/> No, not Spanish/Hispanic/Latina</li> <li><input type="checkbox"/> Yes, Mexican, Mexican American, Chicana</li> <li><input type="checkbox"/> Yes, Puerto Rican</li> <li><input type="checkbox"/> Yes, Cuban</li> <li><input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____</li> </ul>			<b>22. MOTHER'S RACE</b> (Check one or more races to indicate what the mother considers herself to be) <ul style="list-style-type: none"> <li><input type="checkbox"/> White</li> <li><input type="checkbox"/> Black or African American</li> <li><input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribe) _____</li> <li><input type="checkbox"/> Asian Indian</li> <li><input type="checkbox"/> Chinese</li> <li><input type="checkbox"/> Filipino</li> <li><input type="checkbox"/> Japanese</li> <li><input type="checkbox"/> Korean</li> <li><input type="checkbox"/> Vietnamese</li> <li><input type="checkbox"/> Other Asian (Specify) _____</li> <li><input type="checkbox"/> Native Hawaiian</li> <li><input type="checkbox"/> Guamanian or Chamorro</li> <li><input type="checkbox"/> Samoan</li> <li><input type="checkbox"/> Other Pacific Islander (Specify) _____</li> <li><input type="checkbox"/> Other (Specify) _____</li> </ul> Predominant Race _____																	
	<b>23. MOTHER MARRIED?</b> (At delivery, conception, or anytime between) <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>24a. DATE OF FIRST PRENATAL CARE VISIT</b> _____ / _____ / _____ <input type="checkbox"/> No Prenatal Care MM / DD / YYYY		<b>24b. DATE OF LAST PRENATAL CARE VISIT</b> _____ / _____ / _____ MM / DD / YYYY		<b>25. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY</b> _____ (If none, enter "0")																	
	<b>26. MOTHER'S HEIGHT</b> _____ (feet/inches)		<b>27. MOTHER'S PRE-PREGNANCY WEIGHT</b> _____ (pounds)		<b>28. MOTHER'S WEIGHT AT DELIVERY</b> _____ (pounds)		<b>29. DID MOTHER GET WIC FOOD FOR HERSELF DURING THIS PREGNANCY?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No																	
	<b>30. NUMBER OF PREVIOUS LIVE BIRTHS</b>			<b>31. NUMBER OF OTHER PREGNANCY OUTCOMES</b> (spontaneous or induced losses or ectopic pregnancies)			<b>32. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY</b> For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked. IF NONE, ENTER "0".  Average number of cigarettes or packs of cigarettes smoked per day: <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"></td> <td style="text-align: center;"># of cigarettes</td> <td style="text-align: center;"># of packs</td> </tr> <tr> <td>Three Months Before Pregnancy</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">OR _____</td> </tr> <tr> <td>First Three Months of Pregnancy</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">OR _____</td> </tr> <tr> <td>Second Three Months of Pregnancy</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">OR _____</td> </tr> <tr> <td>Third Trimester of Pregnancy</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">OR _____</td> </tr> </table>				# of cigarettes	# of packs	Three Months Before Pregnancy	_____	OR _____	First Three Months of Pregnancy	_____	OR _____	Second Three Months of Pregnancy	_____	OR _____	Third Trimester of Pregnancy	_____	OR _____
		# of cigarettes	# of packs																					
	Three Months Before Pregnancy	_____	OR _____																					
	First Three Months of Pregnancy	_____	OR _____																					
	Second Three Months of Pregnancy	_____	OR _____																					
	Third Trimester of Pregnancy	_____	OR _____																					
	<b>30a. Now Living</b> Number _____ <input type="checkbox"/> None		<b>30b. Now Dead</b> Number _____ <input type="checkbox"/> None		<b>31a. Other Outcomes</b> Number (Do not include this fetus) _____ <input type="checkbox"/> None																			
<b>30c. DATE OF LAST LIVE BIRTH</b> _____ / _____ / _____ MM / DD / YYYY			<b>31b. DATE OF LAST OTHER PREGNANCY OUTCOME</b> _____ / _____ / _____ MM / DD / YYYY			<b>33. DATE LAST NORMAL MENSES BEGAN</b> _____ / _____ / _____ MM / DD / YYYY																		
<b>34. PLURALITY - Single, Twin, Triplet, etc.</b> (Specify) _____			<b>35. IF NOT SINGLE BIRTH - Born First, Second, Third, etc.</b> (Specify) _____																					
<b>36. MOTHER TRANSFERRED FOR MATERNAL MEDICAL OR FETAL INDICATIONS FOR DELIVERY?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No IF YES, ENTER NAME OF FACILITY MOTHER TRANSFERRED FROM: _____																								
<b>MEDICAL AND HEALTH INFORMATION</b>	<b>37. RISK FACTORS IN THIS PREGNANCY</b> (Check all that apply). <ul style="list-style-type: none"> <li>Diabetes                         <ul style="list-style-type: none"> <li><input type="checkbox"/> Pre-pregnancy (Diagnosis prior to this pregnancy)</li> <li><input type="checkbox"/> Gestational (Diagnosis in this pregnancy)</li> </ul> </li> <li>Hypertension                         <ul style="list-style-type: none"> <li><input type="checkbox"/> Pre-pregnancy (Chronic)</li> <li><input type="checkbox"/> Gestational (PIH, preeclampsia)</li> <li><input type="checkbox"/> Eclampsia</li> </ul> </li> <li><input type="checkbox"/> Previous preterm birth</li> <li><input type="checkbox"/> Other previous poor pregnancy outcome (Includes perinatal death, small-for-gestational age/intrauterine growth restricted birth)</li> <li><input type="checkbox"/> Pregnancy resulted from infertility treatment-If yes, check all that apply:                         <ul style="list-style-type: none"> <li><input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination</li> <li><input type="checkbox"/> Assisted reproductive technology (e.g., in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))</li> </ul> </li> <li><input type="checkbox"/> Mother had a previous cesarean delivery                          If yes, how many _____</li> <li><input type="checkbox"/> None of the above</li> </ul>					<b>38. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY</b> (Check all that apply) <ul style="list-style-type: none"> <li><input type="checkbox"/> Gonorrhea</li> <li><input type="checkbox"/> Syphilis</li> <li><input type="checkbox"/> Chlamydia</li> <li><input type="checkbox"/> Listeria</li> <li><input type="checkbox"/> Group B Streptococcus</li> <li><input type="checkbox"/> Cytomegalovirus</li> <li><input type="checkbox"/> Parvovirus</li> <li><input type="checkbox"/> Toxoplasmosis</li> <li><input type="checkbox"/> None of the above</li> <li><input type="checkbox"/> Other (Specify) _____</li> </ul>																		
	<b>39. METHOD OF DELIVERY</b> <ul style="list-style-type: none"> <li>A. Was delivery with forceps attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>B. Was delivery with vacuum extraction attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>C. Fetal presentation at delivery                         <ul style="list-style-type: none"> <li><input type="checkbox"/> Cephalic</li> <li><input type="checkbox"/> Breech</li> <li><input type="checkbox"/> Other</li> </ul> </li> <li>D. Final route and method of delivery (Check one)                         <ul style="list-style-type: none"> <li><input type="checkbox"/> Vaginal/Spontaneous</li> <li><input type="checkbox"/> Vaginal/Forceps</li> <li><input type="checkbox"/> Vaginal/Vacuum</li> <li><input type="checkbox"/> Cesarean                                  If cesarean, was a trial of labor attempted?  <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ul> </li> <li>E. Hysterotomy/Hysterectomy <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ul>			<b>40. MATERNAL MORBIDITY</b> (Check all that apply) (Complications associated with labor and delivery) <ul style="list-style-type: none"> <li><input type="checkbox"/> Maternal transfusion</li> <li><input type="checkbox"/> Third or fourth degree perineal laceration</li> <li><input type="checkbox"/> Ruptured uterus</li> <li><input type="checkbox"/> Unplanned hysterectomy</li> <li><input type="checkbox"/> Admission to intensive care unit</li> <li><input type="checkbox"/> Unplanned operating room procedure following delivery</li> <li><input type="checkbox"/> None of the above</li> </ul>			<b>41. CONGENITAL ANOMALIES OF THE FETUS</b> (Check all that apply) <ul style="list-style-type: none"> <li><input type="checkbox"/> Anencephaly</li> <li><input type="checkbox"/> Meningocele/Spina bifida</li> <li><input type="checkbox"/> Cyanotic congenital heart disease</li> <li><input type="checkbox"/> Congenital diaphragmatic hernia</li> <li><input type="checkbox"/> Omphalocele</li> <li><input type="checkbox"/> Gastrochisis</li> <li><input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes)</li> <li><input type="checkbox"/> Cleft Lip with or without Cleft Palate</li> <li><input type="checkbox"/> Cleft Palate alone</li> <li><input type="checkbox"/> Down Syndrome                         <ul style="list-style-type: none"> <li><input type="checkbox"/> Karyotype confirmed</li> <li><input type="checkbox"/> Karyotype pending</li> </ul> </li> <li><input type="checkbox"/> Suspected chromosomal disorder                         <ul style="list-style-type: none"> <li><input type="checkbox"/> Karyotype confirmed</li> <li><input type="checkbox"/> Karyotype pending</li> </ul> </li> <li><input type="checkbox"/> Hypospadias</li> <li><input type="checkbox"/> None of the anomalies listed above</li> </ul>																	

# APPENDIX H (cont.)

## STATE OF DELAWARE CERTIFICATE OF FETAL DEATH

OFFICE OF VITAL STATISTICS		STATE OF DELAWARE DEPARTMENT OF HEALTH AND SOCIAL SERVICES REPORT OF FETAL DEATH			(107) STATE FILE #	
<b>FETUS</b>	1. NAME OF FETUS (optional-at the discretion of the parents )		2. TIME OF DELIVERY (24hr)	3. SEX (M/F/Unk)	4. DATE OF DELIVERY (Mo/Day/Yr)	
	5a. CITY, TOWN, OR LOCATION OF DELIVERY	7. PLACE WHERE DELIVERY OCCURRED (Check one) <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Delivery. Planned to deliver at home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Clinic/Doctor's office <input type="checkbox"/> Other (Specify) _____		8. FACILITY NAME (if not institution, give street and number)		
	5b. ZIP CODE OF DELIVERY			9. FACILITY ID. (NPI)		
	6. COUNTY OF DELIVERY					
<b>MOTHER</b>	10a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			10b. DATE OF BIRTH (Mo/Day/Yr)		
	10c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)			10d. BIRTHPLACE (State, Territory, or Foreign Country)		
	11a. RESIDENCE OF MOTHER-STATE	11b. COUNTY	11c. CITY, TOWN, OR LOCATION			
	11d. STREET AND NUMBER		11e. APT. NO.	11f. ZIP CODE	11g. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	12a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		12b. DATE OF BIRTH (Mo/Day/Yr)	12c. BIRTHPLACE (State, Territory, or Foreign Country)		
<b>13. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH</b>						
<b>CAUSE OF FETAL DEATH</b>	13a. INITIATING CAUSE/CONDITION (AMONG THE CHOICES BELOW, PLEASE SELECT THE <b>ONE</b> WHICH MOST LIKELY BEGAN THE SEQUENCE OF EVENTS RESULTING IN THE DEATH OF THE FETUS) Maternal Conditions/Diseases (Specify) _____ Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____ Fetal Anomaly (Specify) _____ Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____ <input type="checkbox"/> Unknown			13b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (SELECT OR SPECIFY ALL OTHER CONDITIONS CONTRIBUTING TO DEATH IN ITEM 13b) Maternal Conditions/Diseases (Specify) _____ Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____ Fetal Anomaly (Specify) _____ Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____ <input type="checkbox"/> Unknown		
	13c. WEIGHT OF FETUS (grams preferred, specify unit) <input type="checkbox"/> grams <input type="checkbox"/> lb/oz		13e. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death		13f. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	
	13d. OBSTETRIC ESTIMATE OF GESTATION AT DELIVERY _____ (completed weeks)				13g. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	
					13h. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>DISPOSITION</b>	14. METHOD OF DISPOSITION: <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Donation <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____					
	15a. ATTENDANT'S NAME			15b. ATTENDANT'S NPI	15c. ATTENDANT'S TITLE <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (Specify) _____	
<b>CERTIFIER AND REGISTRATION INFORMATION</b>	16a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE SHOWN AND THAT THE FETUS WAS BORN DEAD SIGNATURE ➤ _____			16b. DATE SIGNED _____		
	16c. MAILING ADDRESS _____					
	17a. NAME OF CEMETARY OR CREMATORY _____					
MOTHER'S MEDICAL RECORD NO. _____	17b. LOCATION (CITY, TOWN, COUNTY) (STATE)					
	18a. DATE RECEIVED BY REGISTRAR _____	18b. REGISTRAR'S SIGNATURE ➤ _____	19. FUNERAL DIRECTOR'S SIGNATURE _____		ADDRESS _____	

## APPENDIX H (cont.)

### STATE OF DELAWARE CERTIFICATE OF FETAL DEATH

<p style="text-align: center;"><b>AUTHORITY FOR BURIAL, TRANSPORTATION AND REMOVAL</b></p> <p>This Burial-Transit Permit when completely filled in and bearing items 16a and 19, the signatures of the attending physician and the Funeral Director, becomes authority for Burial, Transportation and Removal of the above named Decedent.</p> <p style="text-align: center;"><i>This permit is not authority for cremation; separate authorization must be obtained.</i></p> <p style="text-align: center;"><b>CEMETARY OR CREMATORY SHALL FILL OUT SECTION BELOW</b></p> <p>The Decedent named above was buried <input type="checkbox"/> cremated <input type="checkbox"/> in the cemetery or crematory in item 17a.</p> <p>BURIAL WAS IN Section _____ Lot _____ Grave _____. The appropriate entry in the <input type="checkbox"/> Cemetery <input type="checkbox"/> Crematory registry has been made.</p> <p>Signature _____ <small>Sexton or other person in charge</small> <span style="float: right;"><small>Date Signed</small></span></p> <p><i>This Burial-Transit Permit must be signed above by the Cemetery or Crematory Authority. If no full time person is in charge of the cemetery, the Funeral Director may sign as Sexton. This Burial-Transit Permit is to be retained by the Manager, Superintendent, Caretaker, Sexton or other person in charge of Burial, Entombment or Cremation, or if none, then the Funeral Director.</i></p>
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REV. 04/2005

SAMPLE

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

# APPENDIX I

## STATE OF DELAWARE CERTIFICATE OF MARRIAGE

1

TO OFFICIAN - PLEASE COMPLETE LOWER PART OF FORM AND MAIL WITHIN 4 DAYS, COPIES 1, 3, AND 4 TO: OFFICE OF VITAL STATISTICS, P.O. Box 637, Dover, DE 19903.

OFFICE OF VITAL STATISTICS				CERTIFICATE OF MARRIAGE <b>State of Delaware</b>				STATE FILE NUMBER	
LOCAL REGISTRAR'S NO.				LICENSE NO. <b>58801</b>		NO. LICENSE APPLICATION		PLACE LICENSE ISSUED	
GROOM				BRIDE					
NAME FIRST MIDDLE LAST				NAME FIRST MIDDLE LAST					
RESIDENCE STREET OR NUMBER, CITY				RESIDENCE STREET OR NUMBER, CITY					
STATE		ZIP		COUNTY		STATE		ZIP COUNTY	
DATE OF BIRTH		AGE		DATE OF BIRTH		AGE			
BIRTHPLACE (STATE OR FOREIGN COUNTRY)				BIRTHPLACE (STATE OR FOREIGN COUNTRY)					
WE HEREBY CERTIFY THAT THE INFORMATION PROVIDED IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AND THAT WE ARE FREE TO MARRY UNDER THE LAWS OF THIS STATE									
SIGNATURE OF GROOM <b>X</b>				SIGNATURE OF BRIDE <b>X</b>					
NAME FIRST MIDDLE LAST				NAME FIRST MIDDLE LAST					
BIRTHPLACE (STATE OR FOREIGN COUNTRY)				BIRTHPLACE (STATE OR FOREIGN COUNTRY)					
MAIDEN NAME FIRST MIDDLE LAST				MAIDEN NAME FIRST MIDDLE LAST					
BIRTHPLACE (STATE OR FOREIGN COUNTRY)				BIRTHPLACE (STATE OR FOREIGN COUNTRY)					
<p>I hereby certify that on the _____ day of _____, 19____, _____ M. _____ HOUR</p> <p>the aforementioned persons were by me united in marriage at _____ (CITY, TOWN, OR LOCATION)</p> <p>County of _____, in accordance with the Laws of the State of Delaware.</p> <p>Signature of Clergy or Other Official ▶ _____ TITLE _____</p> <p>RESIDENCE-STATE _____ COUNTY _____</p> <p>Witnesses (two are required.)</p> <p>1. NAME ▶ _____ RESIDENCE _____</p> <p>2. NAME ▶ _____ RESIDENCE _____</p> <p>3. NAME ▶ _____ RESIDENCE _____</p> <p>REGISTRAR'S SIGNATURE _____ DATE RECEIVED BY LOCAL REGISTRAR _____</p>									

VALID ONLY IN THE STATE OF DELAWARE

STATE FILE COPY

	Number of this Marriage - 1st, 2nd, etc. (Specify below)	If Previously Married			Race/American Indian, Black, White, etc. (Specify below)	Education (Specify highest grade completed)	
		Date of First Marriage (Mth./Day/Year)	Last Marriage Ended by Death Divorce or Annul. (Specify below)	Last Marriage Ended on: Mth./Day/Year		Elementary/Secondary (0-12)	College (1-4 or 5+)
GROOM							
BRIDE							

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





# APPENDIX K

## STATE OF DELAWARE REPORT OF INDUCED TERMINATION OF PREGNANCY



DELAWARE HEALTH  
AND SOCIAL SERVICES

### REPORT OF INDUCED TERMINATION OF PREGNANCY

1. FACILITY NAME (if not clinic or hospital, give address)		2. CITY, TOWN, OR LOCATION OF PREGNANCY TERMINATION		3. COUNTY OF PREGNANCY TERMINATION	
4. FORM NUMBER		5. AGE LAST BIRTHDAY	6. MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No	7. DATE OF PREGNANCY TERMINATION (Month, Day, Year)	
8a. RESIDENCE - STATE		8b. COUNTY	8c. CITY, TOWN, OR LOCATION		8d. ZIP CODE
9. OF HISPANIC ORIGIN? (Specify No or Yes - If yes, specify Cuban, Mexican, Puerto Rican, etc.)  <input type="checkbox"/> No <input type="checkbox"/> Yes  Specify:		10. RACE  <input type="checkbox"/> White <input type="checkbox"/> Black <input type="checkbox"/> Other (Specify) _____		11. EDUCATION (Specify only highest grade completed)  Elementary/Secondary (0-12)   College (1-4 or 5+)	
12. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	13. CLINICAL ESTIMATE OF GESTATION (Weeks)	14. PREVIOUS PREGNANCIES (Complete each section)			
		LIVE BIRTHS		OTHER TERMINATIONS	
		14a. Now Living	14b. Not Living	14c. Spontaneous	14d. Induced (Do not include this termination)
		Number _____ <input type="checkbox"/> None	Number _____ <input type="checkbox"/> None	Number _____ <input type="checkbox"/> None	Number _____ <input type="checkbox"/> None
15. TYPE OF TERMINATION PROCEDURE (Check only one)					
<input type="checkbox"/> Suction Curettage <input type="checkbox"/> Medical (Nonsurgical), Specify Medication(s) _____ <input type="checkbox"/> Dilation and Evacuation (D&E) <input type="checkbox"/> Intra-Uterine Instillation (Saline or Prostaglandin) <input type="checkbox"/> Sharp Curettage (D&C) <input type="checkbox"/> Hysterotomy/Hysterectomy <input type="checkbox"/> Other (Specify) _____					

(Instructions on back)

Mail completed forms to:  
Delaware Health Statistics Center  
417 Federal Street  
Dover, DE 19903  
(302) 744-4541

Doc. No. 35-01-20-96-12-01

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

# APPENDIX L

## List of 113 selected causes of death and Enterocolitis due to *Clostridium difficile*

[An asterisk (\*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision* (ICD-10); see Technical Notes]

Number <sup>1</sup>	Cause of death (based on ICD-10)
1#	Salmonella infections ..... (A01–A02)
2#	Shigellosis and amebiasis ..... (A03,A06)
3	Certain other intestinal infections ..... (A04,A07–A09)
#	Tuberculosis ..... (A16–A19)
4	Respiratory tuberculosis ..... (A16)
5	Other tuberculosis ..... (A17–A19)
6#	Whooping cough ..... (A37)
7#	Scarlet fever and erysipelas ..... (A38,A46)
8#	Meningococcal infection ..... (A39)
9#	Septicemia ..... (A40–A41)
10#	Syphilis ..... (A50–A53)
11#	Acute poliomyelitis ..... (A80)
12#	Arthropod-borne viral encephalitis ..... (A83–A84,A85.2)
13#	Measles ..... (B05)
14#	Viral hepatitis ..... (B15–B19)
15#	Human immunodeficiency virus (HIV) disease ..... (B20–B24)
16#	Malaria ..... (B50–B54)
17	Other and unspecified infectious and parasitic diseases and their sequelae ..... (A00,A05,A20–A36,A42–A44,A48–A49,A54–A79,A81–A82, A85.0–A85.1,A85.8,A86–B04,B06–B09,B25–B49,B55–B99)
#	Malignant neoplasms ..... (C00–C97)
18	Malignant neoplasms of lip, oral cavity and pharynx ..... (C00–C14)
19	Malignant neoplasm of esophagus ..... (C15)
20	Malignant neoplasm of stomach ..... (C16)
21	Malignant neoplasms of colon, rectum and anus ..... (C18–C21)
22	Malignant neoplasms of liver and intrahepatic bile ducts ..... (C22)
23	Malignant neoplasm of pancreas ..... (C25)
24	Malignant neoplasm of larynx ..... (C32)
25	Malignant neoplasms of trachea, bronchus and lung ..... (C33–C34)
26	Malignant melanoma of skin ..... (C43)
27	Malignant neoplasm of breast ..... (C50)
28	Malignant neoplasm of cervix uteri ..... (C53)
29	Malignant neoplasms of corpus uteri and uterus, part unspecified ..... (C54–C55)
30	Malignant neoplasm of ovary ..... (C56)
31	Malignant neoplasm of prostate ..... (C61)
32	Malignant neoplasms of kidney and renal pelvis ..... (C64–C65)
33	Malignant neoplasm of bladder ..... (C67)
34	Malignant neoplasms of meninges, brain and other parts of central nervous system ..... (C70–C72)
	Malignant neoplasms of lymphoid, hematopoietic and related tissue ..... (C81–C96)
35	Hodgkin's disease ..... (C81)
36	Non-Hodgkin's lymphoma ..... (C82–C85)
37	Leukemia ..... (C91–C95)
38	Multiple myeloma and immunoproliferative neoplasms ..... (C88,C90)
39	Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue ..... (C96)
40	All other and unspecified malignant neoplasms ..... (C17,C23–C24,C26–C31,C37–C41,C44–C49,C51–C52, C57–C60,C62–C63,C66,C68–C69,C73–C80,C97)
41#	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior ..... (D00–D48)
42#	Anemias ..... (D50–D64)
43#	Diabetes mellitus ..... (E10–E14)
#	Nutritional deficiencies ..... (E40–E64)
44	Malnutrition ..... (E40–E46)
45	Other nutritional deficiencies ..... (E50–E64)
46#	Meningitis ..... (G00,G03)
47#	Parkinson's disease ..... (G20–G21)
48#	Alzheimer's disease ..... (G30)
#	Major cardiovascular diseases ..... (I00–I78)
	Diseases of heart ..... (I00–I09,I11,I13,I20–I51)
49	Acute rheumatic fever and chronic rheumatic heart diseases ..... (I00–I09)
50	Hypertensive heart disease ..... (I11)
51	Hypertensive heart and renal disease ..... (I13)

## APPENDIX L (cont.)

### List of 113 selected causes of death and Enterocolitis due to *Clostridium difficile*—Con.

[An asterisk (\*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision* (ICD-10); see Technical Notes]

Number <sup>1</sup>	Cause of death (based on ICD-10)
	Ischemic heart diseases . . . . . (I20–I25)
52	Acute myocardial infarction . . . . . (I21–I22)
53	Other acute ischemic heart diseases . . . . . (I24)
	Other forms of chronic ischemic heart disease . . . . . (I20, I25)
54	Atherosclerotic cardiovascular disease, so described . . . . . (I25.0)
55	All other forms of chronic ischemic heart disease . . . . . (I20, I25.1–I25.9)
	Other heart diseases . . . . . (I26–I51)
56	Acute and subacute endocarditis . . . . . (I33)
57	Diseases of pericardium and acute myocarditis . . . . . (I30–I31, I40)
58	Heart failure . . . . . (I50)
59	All other forms of heart disease . . . . . (I26–I28, I34–I38, I42–I49, I51)
60#	Essential hypertension and hypertensive renal disease . . . . . (I10, I12, I15)
61#	Cerebrovascular diseases . . . . . (I60–I69)
62#	Atherosclerosis . . . . . (I70)
	Other diseases of circulatory system . . . . . (I71–I78)
63#	Aortic aneurysm and dissection . . . . . (I71)
64	Other diseases of arteries, arterioles and capillaries . . . . . (I72–I78)
65	Other disorders of circulatory system . . . . . (I80–I99)
#	Influenza and pneumonia . . . . . (J09–J18)
66	Influenza . . . . . (J09–J11)
67	Pneumonia . . . . . (J12–J18)
	Other acute lower respiratory infections . . . . . (J20–J22, U04)
68#	Acute bronchitis and bronchiolitis . . . . . (J20–J21)
69	Other and unspecified acute lower respiratory infection . . . . . (J22, U04)
#	Chronic lower respiratory diseases . . . . . (J40–J47)
70	Bronchitis, chronic and unspecified . . . . . (J40–J42)
71	Emphysema . . . . . (J43)
72	Asthma . . . . . (J45–J46)
73	Other chronic lower respiratory diseases . . . . . (J44, J47)
74#	Pneumoconioses and chemical effects . . . . . (J60–J66, J68)
75#	Pneumonitis due to solids and liquids . . . . . (J69)
76	Other diseases of respiratory system . . . . . (J00–J06, J30–J39, J67, J70–J98)
77#	Peptic ulcer . . . . . (K25–K28)
78#	Diseases of appendix . . . . . (K35–K38)
79#	Hernia . . . . . (K40–K46)
#	Chronic liver disease and cirrhosis . . . . . (K70, K73–K74)
80	Alcoholic liver disease . . . . . (K70)
81	Other chronic liver disease and cirrhosis . . . . . (K73–K74)
82#	Cholelithiasis and other disorders of gallbladder . . . . . (K80–K82)
#	Nephritis, nephrotic syndrome and nephrosis . . . . . (N00–N07, N17–N19, N25–N27)
83	Acute and rapidly progressive nephritic and nephrotic syndrome . . . . . (N00–N01, N04)
84	Chronic glomerulonephritis, nephritis and nephropathy not specified as acute or chronic, and renal sclerosis unspecified . . . . . (N02–N03, N05–N07, N26)
85	Renal failure . . . . . (N17–N19)
86	Other disorders of kidney . . . . . (N25, N27)
87#	Infections of kidney . . . . . (N10–N12, N13.6, N15.1)
88#	Hyperplasia of prostate . . . . . (N40)
89#	Inflammatory diseases of female pelvic organs . . . . . (N70–N76)
#	Pregnancy, childbirth and the puerperium . . . . . (O00–O99)
90	Pregnancy with abortive outcome . . . . . (O00–O07)
91	Other complications of pregnancy, childbirth and the puerperium . . . . . (O10–O99)
92#	Certain conditions originating in the perinatal period . . . . . (P00–P96)
93#	Congenital malformations, deformations and chromosomal abnormalities . . . . . (Q00–Q99)
94	Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified . . . . . (R00–R99)
95	All other diseases . . . . . (residual)
#	Accidents (unintentional injuries) . . . . . (V01–X59, Y85–Y86)
	Transport accidents . . . . . (V01–V99, Y85)
96	Motor vehicle accidents . . . . . (V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2)
97	Other land transport accidents . . . . . (V01, V05–V06, V09.1, V09.3–V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3, V89.9)
98	Water, air and space, and other and unspecified transport accidents and their sequelae . . . . . (V90–V99, Y85)

## APPENDIX L (cont.)

**Table A. List of 113 selected causes of death and Enterocolitis due to *Clostridium difficile*—Con.**

[An asterisk (\*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, Tenth Revision* (ICD-10); see Technical Notes]

Number <sup>1</sup>	Cause of death (based on ICD-10)
	Nontransport accidents ..... (W00–X59,Y86)
99	Falls ..... (W00–W19)
100	Accidental discharge of firearms..... (W32–W34)
101	Accidental drowning and submersion..... (W65–W74)
102	Accidental exposure to smoke, fire and flames..... (X00–X09)
103	Accidental poisoning and exposure to noxious substances ..... (X40–X49)
104	Other and unspecified nontransport accidents and their sequelae ..... (W20–W31,W35–W64,W75–W99,X10–X39,X50–X59,Y86)
#	Intentional self-harm (suicide)..... (*U03,X60–X84,Y87.0)
105	Intentional self-harm (suicide) by discharge of firearms ..... (X72–X74)
106	Intentional self-harm (suicide) by other and unspecified means and their sequelae..... (*U03,X60–X71,X75–X84,Y87.0)
#	Assault (homicide)..... (*U01–*U02,X85–Y09,Y87.1)
107	Assault (homicide) by discharge of firearms ..... (*U01.4,X93–X95)
108	Assault (homicide) by other and unspecified means and their sequelae..... (*U01.0–*U01.3,*U01.5–*U01.9,*U02,X85–X92,X96–Y09,Y87.1)
109#	Legal intervention ..... (Y35,Y89.0)
	Events of undetermined intent ..... (Y10–Y34,Y87.2,Y89.9)
110	Discharge of firearms, undetermined intent ..... (Y22–Y24)
111	Other and unspecified events of undetermined intent and their sequelae..... (Y10–Y21,Y25–Y34,Y87.2,Y89.9)
112#	Operations of war and their sequelae..... (Y36,Y89.1)
113#	Complications of medical and surgical care ..... (Y40–Y84,Y88)
#	Enterocolitis due to <i>Clostridium difficile</i> ..... (A04.7) <sup>2</sup>

<sup>1</sup>Causes labeled # are ranked to determine leading causes of death for specified population groups. Only mutually exclusive categories are numbered. <sup>2</sup>Included in "Certain other intestinal infections (A04,A07–A09)" shown above.

Source: Heron M. *Deaths: Leading Causes for 2014. National Vital Statistics Reports; Vol65, No5. Hyattsville, MD: National Center for Health Statistics*

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