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# DELAWARE VITAL STATISTICS ANNUAL REPORT 2019



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

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**John Carney, Governor**  
State of Delaware

**Molly K. Magarik, Cabinet Secretary**  
Delaware Department of Health and Social Services

# DELAWARE VITAL STATISTICS ANNUAL REPORT

## 2019

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

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## PREFACE

I am pleased to present the 2019 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 2019 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



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Director  
Delaware Division of Public Health

## ACKNOWLEDGMENTS

This report was prepared by Jennifer Miles, Marianne Letavish, and Sudha Pasam and reviewed by Maridelle Dizon of the Delaware Health Statistics Center within the Epidemiology, Health Data, and Informatics Section of the Division of Public Health.

We gratefully acknowledge the contributions of the staff of the Office of Vital Statistics; Edward C. Ratledge and the staff of the Center for Applied Demography and Survey Research at the University of Delaware; and the Delaware Health Statistics Center staff, including: Tanya Lyons, Louise Wishart, Genelyn Viray, and Helen Morella. We also recognize hospital birth data providers, physicians, nurses, medical records staffs, midwives, funeral directors, and county clerks for their help in collecting and providing us with these data. Finally, special thanks goes to Samuel Johnson whose photo of the Big Stone Beach graces the cover of this report.

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

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**Visit our website at:**

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

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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 in or out of 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 1990's and 2000's. The DHSC presents rates with stratifications by 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 to Wilmington, historical tables on the percentage of births to single mothers, and tables on the percentages 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 this annual report are as follows.

- Although there was a 9 percent decrease in the overall number of births from 2009 to 2019, there was a 18 percent increase in the number of births to women aged 30 and older. The number of single women aged 30 and older also increased 57.4 percent during this same time period.
- Delaware females born in 2019, can expect to live an average of 82.2 years versus males who could expect to live 75.9 years.
- Delaware's infant mortality rate decreased 23 percent from 9.3 infant deaths per 1,000 live births in 2000-2004 to 7.2 infant deaths per 1,000 live births in 2015-2019.
- Opioid drug overdose deaths increased 1031 percent from 35 deaths in 2000 to 396 deaths in 2019.

Examining data such as the data highlighted here can provide a general overview of the health of Delawareans and provide an opportunity to generate and evaluate possible hypotheses about the possible determinants of diseases and health risks. This data report 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 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 Health Statistics Center. Computer files containing statistical data are maintained and used by the Health Statistics Center 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

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

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

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

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

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

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

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

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

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

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

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, 2019

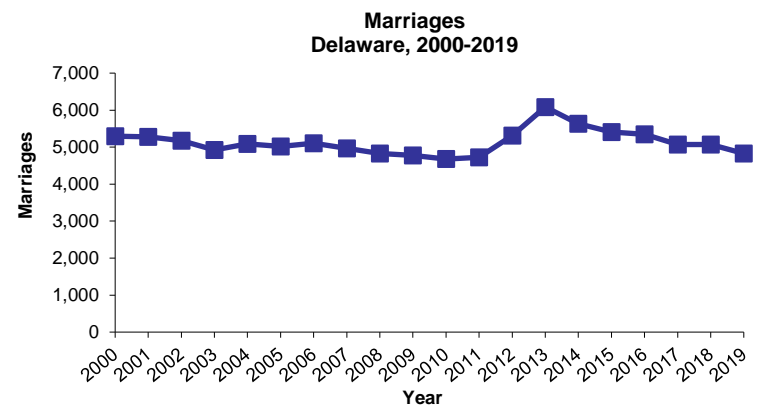
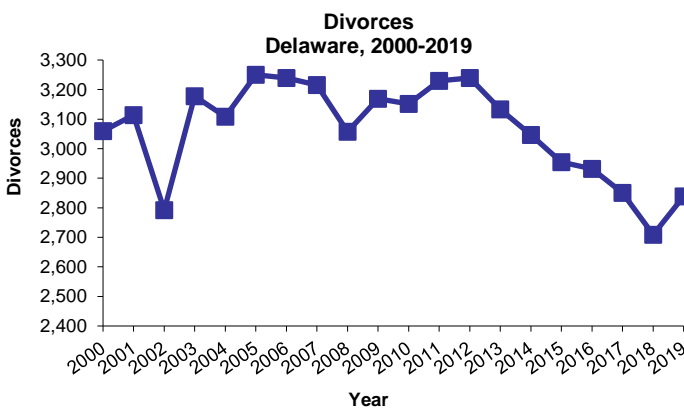
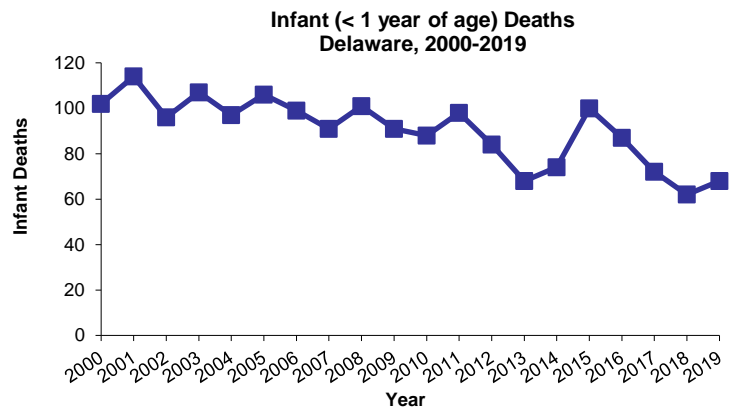
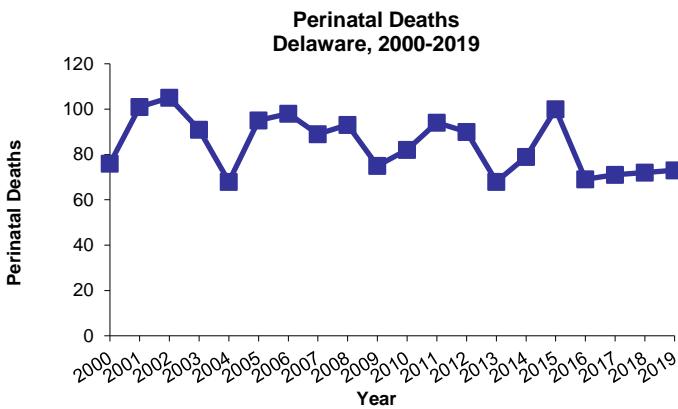
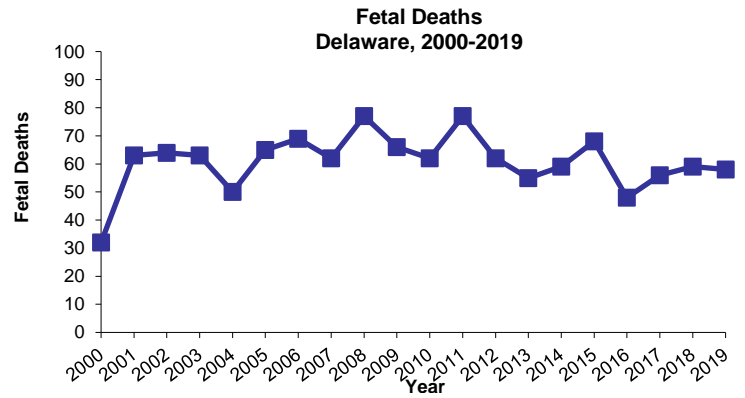
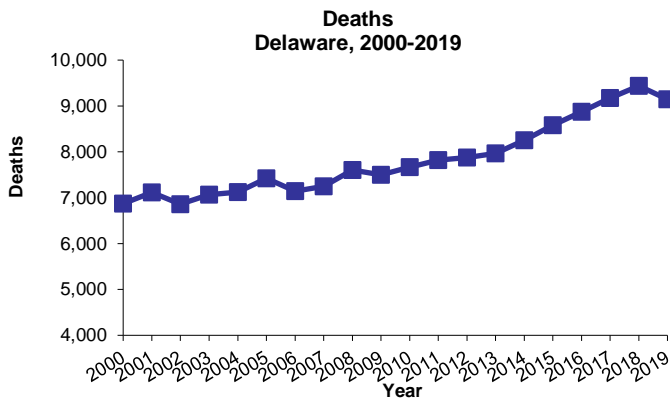
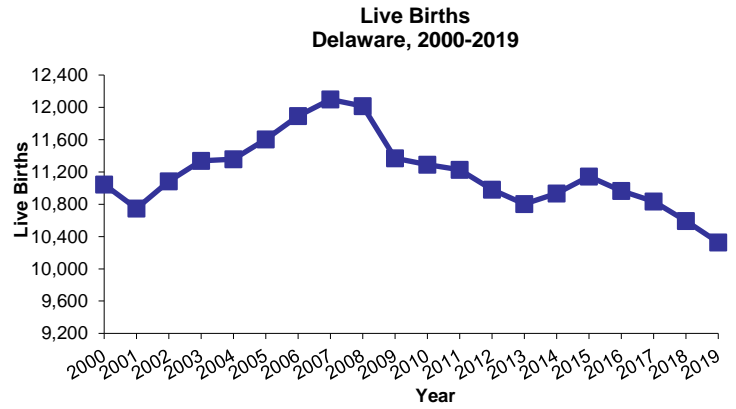
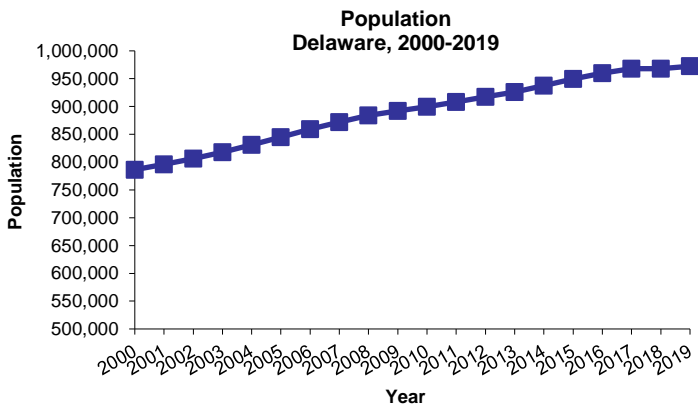
Population		Number*	Percent	Fetal Deaths		Number*	Percent
<b>Delaware</b>		972,332	100.0%	<b>Delaware</b>		57	100.0%
<i>Kent</i>		178,019	18.3%	<i>Kent</i>		16	28.1%
<i>New Castle</i>		562,694	57.9%	<i>New Castle</i>		30	52.6%
<i>Sussex</i>		231,619	23.8%	<i>Sussex</i>		11	19.3%
Marriages		Number*	5-yr Rate <sup>1</sup>	<b>Race</b>			
<b>Delaware</b>		4,826	5.3	<i>Non-Hispanic White</i>		20	35.1%
<i>Kent</i>		866	5.0	<i>Non-Hispanic Black</i>		27	47.4%
<i>New Castle</i>		2,478	4.7	<i>Hispanic Origin<sup>4</sup></i>		9	15.8%
<i>Sussex</i>		1,482	7.0	Infant Mortality		Number*	5-yr Rate <sup>5</sup>
<b>Delaware</b>				<b>Delaware</b>		68	7.2
<i>Kent</i>				<i>Kent</i>		17	6.9
<i>New Castle</i>				<i>New Castle</i>		44	7.8
<i>Sussex</i>				<i>Sussex</i>		7	6.0
Divorces		Number*	5-yr Rate <sup>1</sup>	<b>Race</b>			
<b>Delaware</b>		2,839	3.0	<i>Non-Hispanic White</i>		16	4.2
<i>Kent</i>		588	3.5	<i>Non-Hispanic Black</i>		35	12.5
<i>New Castle</i>		1,595	2.8	<i>Hispanic Origin<sup>4</sup></i>		10	8.0
<i>Sussex</i>		656	2.9	Mortality		Number*	Adj. Rate <sup>6</sup>
Live Births		Number*	5-yr Rate <sup>2</sup>	<b>Delaware</b>		9,147	711.8
<b>Delaware</b>		10,328	59.6	<i>Kent</i>		1,660	779.5
<i>Kent</i>		2,044	61.9	<i>New Castle</i>		4,872	733.5
<i>New Castle</i>		6,016	56.7	<i>Sussex</i>		2,615	652.9
<i>Sussex</i>		2,268	67.3	<b>Race and Gender</b>			
<b>Births to Teenagers (15-19)</b>				<i>Non-Hispanic White Males</i>		3,700	799.5
<i>Non-Hispanic White</i>		80	10.7	<i>Non-Hispanic White Females</i>		3,371	703.2
<i>Non-Hispanic Black</i>		217	28.4	<i>Non-Hispanic Black Males</i>		882	965.1
<b>Delaware</b>		439	18.2	<i>Non-Hispanic Black Females</i>		759	721.7
<i>Kent</i>		75	18.7	<b>Decedent's Age</b>		Number*	Percent
<i>New Castle</i>		216	15.6	<1		68	0.7%
<i>Sussex</i>		148	25.6	1-14		32	0.3%
<b>Race</b>		Number*	Percent	15-24		87	1.0%
<i>Non-Hispanic White</i>		4,857	47.0%	25-44		559	6.1%
<i>Non-Hispanic Black</i>		2,856	27.7%	45-64		1677	18.3%
<i>Hispanic Origin<sup>4</sup></i>		1,752	17.0%	65-74		1760	19.2%
<b>Marital Status</b>				75-84		2240	24.5%
<i>Married</i>		5,451	52.8%	85+		2724	29.8%
<i>Single</i>		4,877	47.2%	<b>Leading Causes of Death</b>			
<b>Births to Single Mothers<sup>3</sup></b>				Malignant neoplasms		2,044	22.3%
<i>Non-Hispanic White</i>		1,642	33.8%	Diseases of heart		1982	21.7%
<i>Non-Hispanic Black</i>		2,034	71.2%	Accidents (unintentional injuries)		750	8.2%
<i>Hispanic Origin<sup>4</sup></i>		1,042	59.5%	Cerebrovascular diseases		588	6.4%
<b>Low Birth Weight (&lt;2500 gms)</b>				Chronic lower respiratory Diseases		471	5.1%
All Races		974	9.4%	Dementia		402	4.4%
<i>Non-Hispanic White</i>		364	7.5%				
<i>Non-Hispanic Black</i>		408	14.5% <sup>3</sup>				
<i>Hispanic Origin<sup>4</sup></i>		137	7.8%				

Notes:

- \* Numbers are for 2019.
- 1. The 5-year rate is per 1,000 population and refers to the period 2015-2019.
- 2. The 5-year rate refers to total live births per 1,000 women 15-44 years of age during the 2015-2019 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 2019.
- 5. The 5-year (2015-2019) infant mortality rates represent the number of deaths to children under one year of age per 1,000 live births.
- 6. The 2019 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. Vital Statistics, Delaware, 2000-2019**

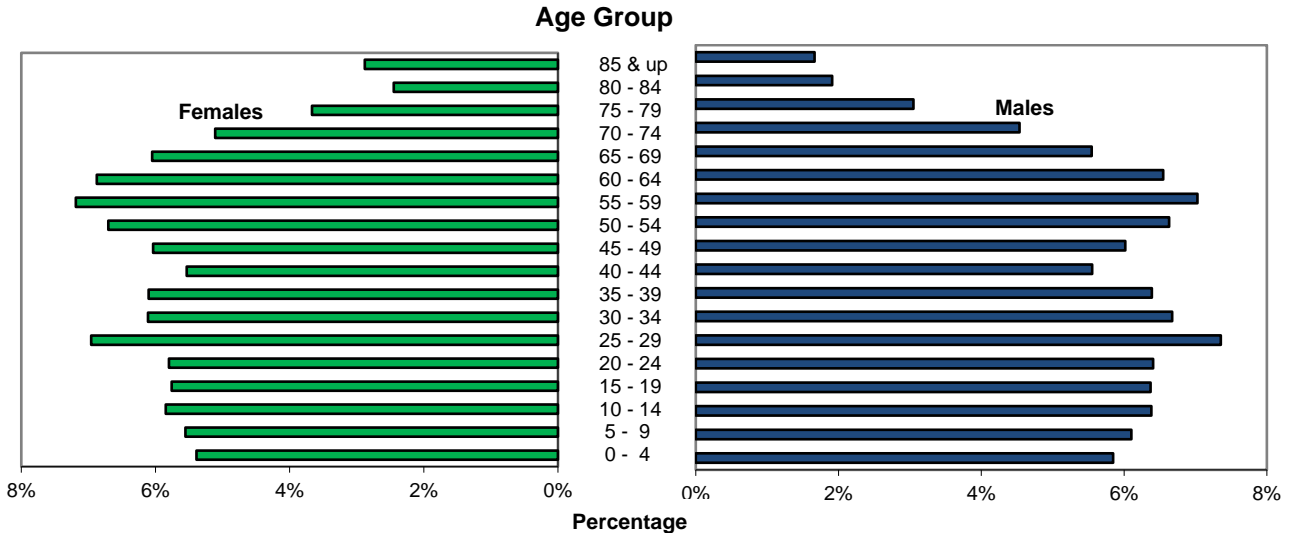


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# Population

In 2019, nearly 52 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 2019 can expect to live an average of 82.2 years versus males who can expect to live 75.9 years.

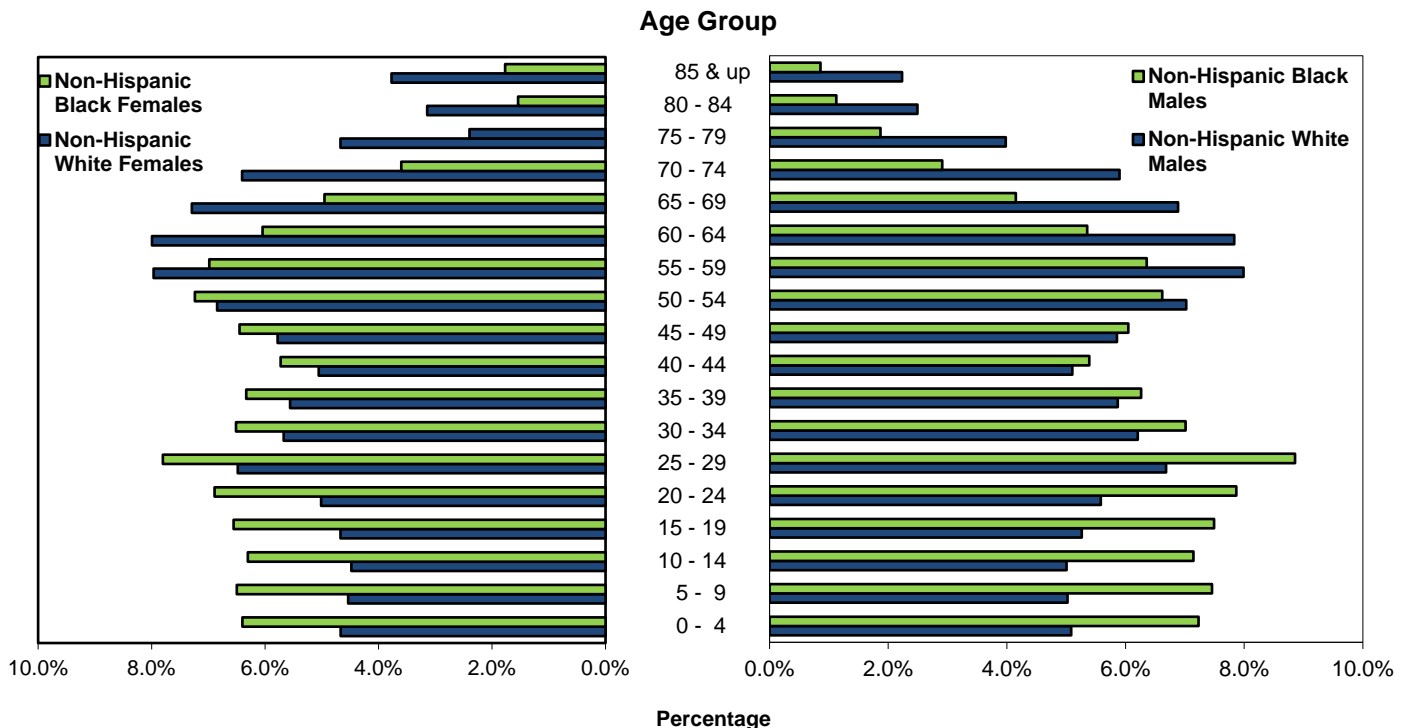
**Figure 3. Population by Gender, Delaware, 2019**



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

When the population was broken down by race, the highest proportion of females in the older age groups appeared in the non-Hispanic white population. However, both non-Hispanic black males and females had a greater percentage of their population in the 0-49 year age range than non-Hispanic white males and females. In the 55 and above age range for both males and females, whites made up a greater proportion of the population.

**Figure 4. Non-Hispanic Population by Gender and Race, Delaware, 2019**



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

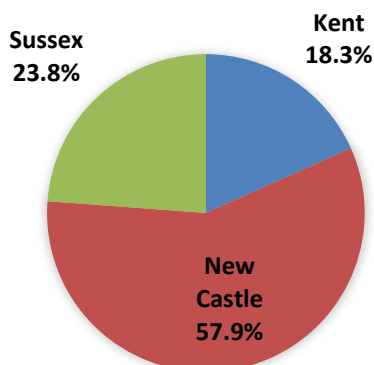
## POPULATION

Delaware's three counties continued their increasing population trend, although they grew at different rates. Between 2000 and 2019, county populations grew annually by 2.1 percent for Kent, 0.6 percent for New Castle, and 2.5 percent for Sussex. Delaware's statewide increase was 1.2 percent.

In 2019, 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 six residents was 65 or older.

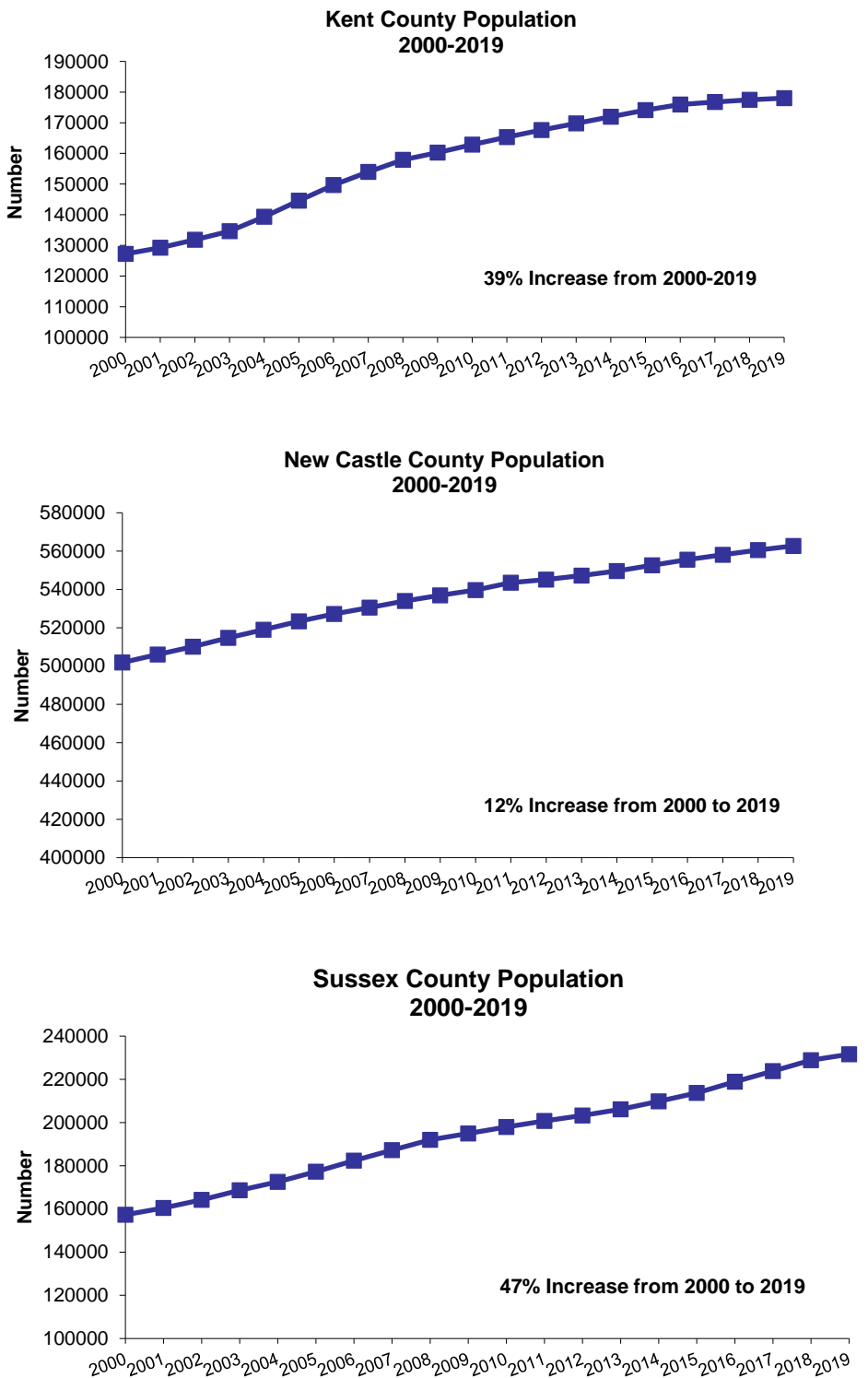
Over half of Delaware's total population resides in New Castle County, 58%.

**Figure 6. Percentage of Population by County, Delaware, 2019**



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

**Figure 5. Resident Population by County, Delaware, 2000-2019**



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

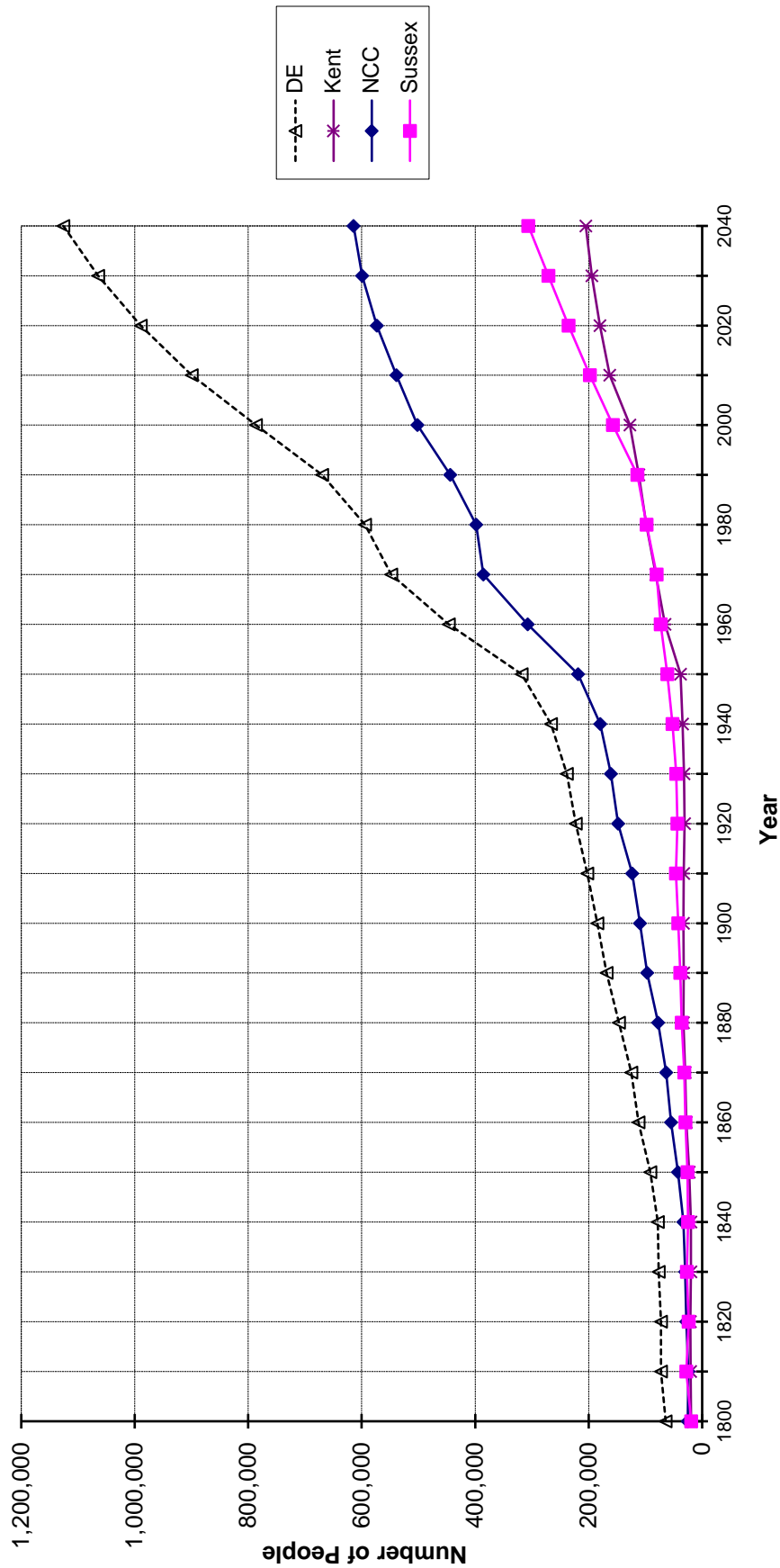
**TABLE A-1. PERCENT CHANGE IN POPULATION BY SEX, COUNTY, CITY OF DOVER, CITY OF NEWARK, AND CITY OF WILMINGTON, DELAWARE, 1970-2020**

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	900,459	14.5	977,780	8.6	24.3
Female	267,332	286,599	7.2	322,966	12.7	381,690	18.2	436,093	14.3	473,822	8.7	24.1
	280,772	307,739	9.6	343,202	11.5	404,703	17.9	464,366	14.7	503,958	8.5	24.5
<b>Kent</b>												
Male	81,892	98,219	19.9	110,993	13.0	127,230	14.6	162,847	28.0	178,650	9.7	40.4
Female	41,337	48,254	16.7	54,300	12.5	61,325	12.9	78,339	27.7	85,476	9.1	39.4
	40,555	49,965	23.2	56,693	13.5	65,905	16.2	84,508	28.2	93,174	10.3	41.4
<b>Dover</b>												
Male	17,488	23,512	34.4	27,630	17.5	32,135	16.3	35,897	11.7	38,597	7.5	20.1
Female	8,319	11,695	40.6	13,408	14.6	15,114	12.7	16,668	10.3	17,937	7.6	18.7
	9,169	11,817	28.9	14,222	20.4	17,021	19.7	19,229	13.0	20,659	7.4	21.4
<b>New Castle</b>												
Male	385,856	398,115	3.2	441,946	11.0	501,846	13.6	539,642	7.5	564,780	4.7	12.5
Female	187,124	191,176	2.2	213,869	11.9	243,587	13.9	261,055	7.2	274,276	5.1	12.6
	198,732	206,939	4.1	228,077	10.2	258,259	13.2	278,587	7.9	290,504	4.3	12.5
<b>Newark</b>												
Male	20,757	25,247	21.6	26,463	4.8	28,457	7.5	31,490	10.7	34,196	8.6	20.2
Female	10,242	11,993	17.1	12,408	3.5	13,085	5.5	14,699	12.3	16,003	8.9	22.3
	10,515	13,254	26.0	14,055	6.0	15,372	9.4	16,791	9.2	18,192	8.3	18.3
<b>Wilmington</b>												
Male	80,386	70,195	-12.7	71,529	1.9	72,730	1.7	71,455	-1.8	71,818	0.5	-1.3
Female	36,968	31,458	-14.9	33,249	5.7	34,759	4.5	33,998	-2.2	34,293	0.9	-1.3
	43,418	38,737	-10.8	38,280	-1.2	37,971	-0.8	37,457	-1.4	37,525	0.2	-1.2
<b>Sussex</b>												
Male	80,356	98,004	22.0	113,229	15.5	157,317	38.9	197,970	25.8	234,350	18.4	49.0
Female	38,871	47,169	21.3	54,797	16.2	76,778	40.1	96,699	25.9	114,070	18.0	48.6
	41,485	50,835	22.5	58,432	14.9	80,539	37.8	101,271	25.7	120,280	18.8	49.3

**Note:**  
\*Numbers for this year are projections.

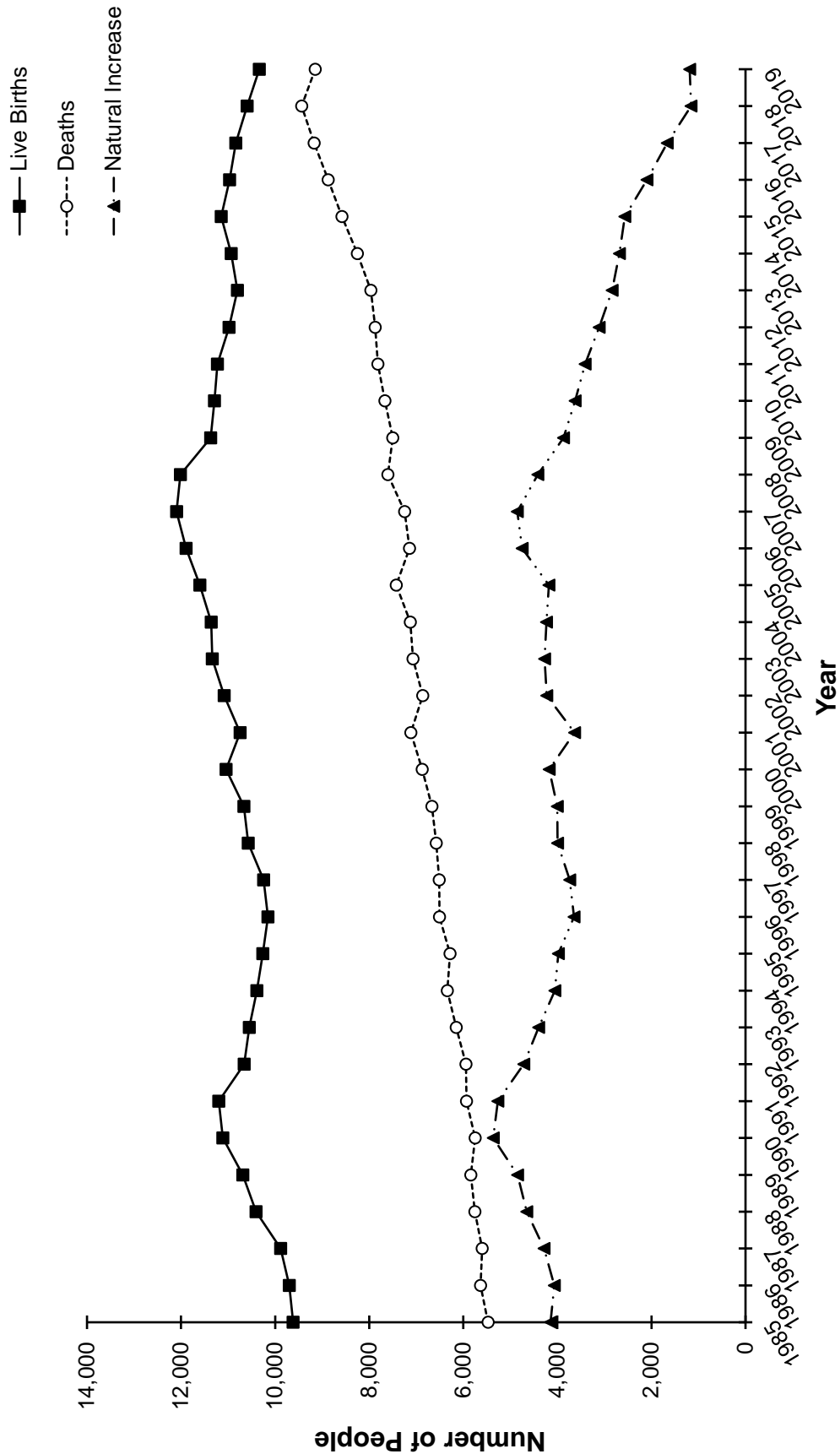
**Sources:** Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center, Delaware Population Consortium  
U.S. Bureau of the Census

**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, 1985-2019**



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



**TABLE A-2. POPULATION ESTIMATES BY SEX, RACE AND AGE, COUNTY, CITY OF DOVER, COUNTY, CITY OF NEWARK, AND CITY OF WILMINGTON, DELAWARE, 2019**

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	85+
<b>Delaware</b>	972,332	54,554	56,583	59,373	58,872	59,254	69,524	62,068	60,679	53,896	58,586	64,831	69,122	65,307	56,439	46,977	32,735	21,258	22,274
Male	471,239	27,551	28,753	30,075	30,019	30,193	34,663	31,448	30,104	26,161	28,349	31,241	33,113	30,857	26,130	21,373	14,367	8,998	7,844
Non-Hispanic White	291,152	14,802	14,619	14,570	15,320	16,254	19,461	18,066	17,086	14,860	17,044	20,448	23,254	22,803	20,044	17,174	11,591	7,255	6,501
Non-Hispanic Black	100,618	7,276	7,502	7,189	7,537	7,916	8,912	7,055	6,302	5,423	6,083	6,659	6,395	5,387	4,177	2,929	1,880	1,133	863
Female	501,093	27,003	27,830	29,298	29,298	28,853	29,061	34,861	30,620	30,575	27,735	30,237	33,590	36,009	34,450	30,309	25,604	18,368	12,260
Non-Hispanic White	310,903	14,517	14,101	13,923	14,523	15,584	20,148	17,634	17,289	15,717	17,972	21,279	24,762	24,854	22,670	19,917	14,522	9,768	11,723
Non-Hispanic Black	111,813	7,156	7,266	7,050	7,329	7,705	8,723	7,283	7,080	6,403	7,214	8,092	7,809	6,758	5,538	4,024	2,681	1,724	1,978
<b>Kent</b>	178,019	11,003	11,296	11,864	11,952	11,599	13,665	12,018	10,845	9,740	10,484	11,534	11,849	10,705	8,989	7,813	5,570	3,700	3,393
Male	85,212	5,502	5,695	5,978	6,053	5,961	6,747	6,050	5,179	4,469	4,934	5,471	5,664	4,933	4,072	3,500	2,382	1,487	1,135
Non-Hispanic White	54,152	3,388	3,300	3,257	3,405	3,395	3,546	3,695	3,333	2,903	3,285	3,714	3,950	3,541	2,951	2,662	1,831	1,114	882
Non-Hispanic Black	20,003	1,405	1,473	1,457	1,512	1,545	2,272	1,483	1,065	900	1,089	1,228	1,222	1,006	826	640	421	270	189
Female	92,807	5,501	5,601	5,886	5,899	5,638	6,918	5,968	5,666	5,271	5,550	6,063	6,185	5,772	4,917	4,313	3,188	2,213	2,258
Non-Hispanic White	57,468	3,390	3,258	3,021	3,177	3,071	3,345	3,595	3,510	3,256	3,478	3,933	4,232	3,945	3,440	3,154	2,321	1,664	1,678
Non-Hispanic Black	22,515	1,413	1,417	1,473	1,461	1,521	2,569	1,531	1,312	1,179	1,321	1,427	1,346	1,282	1,084	814	583	382	400
<b>New Castle</b>	562,694	31,979	33,137	34,802	34,974	35,821	44,307	37,883	37,610	33,206	35,667	38,369	39,526	36,364	30,077	22,804	15,037	9,837	11,294
Male	273,276	16,176	16,875	17,596	17,894	18,365	21,937	19,200	18,689	16,313	17,326	18,489	18,877	17,238	13,880	10,234	6,402	4,010	3,775
Non-Hispanic White	154,496	7,954	7,936	7,806	8,403	9,098	12,084	10,506	9,767	8,429	9,505	11,049	12,234	11,819	9,857	7,518	4,663	2,939	2,929
Non-Hispanic Black	67,540	4,777	4,981	4,739	5,075	5,420	5,647	4,675	4,416	3,876	4,304	4,603	4,350	3,619	2,760	1,891	1,166	706	535
Female	289,418	15,803	16,262	17,206	17,080	17,456	22,370	18,683	18,921	16,893	18,341	19,880	20,649	19,126	16,197	12,570	8,635	5,827	7,519
Non-Hispanic White	164,706	7,771	7,554	7,647	7,992	8,762	13,078	10,131	9,841	8,666	9,826	11,434	12,995	12,678	11,122	8,867	6,253	4,243	5,856
Non-Hispanic Black	75,373	4,680	4,864	4,629	4,952	5,209	5,256	4,863	4,925	4,512	5,139	5,722	5,447	4,645	3,728	2,672	1,710	1,135	1,285
Wilmington*	71,670	5,056	5,215	4,742	4,441	4,168	4,571	5,095	6,125	4,829	4,405	4,299	4,601	4,209	3,394	2,459	1,652	1,117	1,292
Male	34,204	2,522	2,580	2,372	2,264	2,090	2,324	2,521	2,955	2,386	2,134	2,013	2,145	1,950	1,544	1,038	631	396	339
Non-Hispanic White	10,006	421	508	383	289	266	304	807	1,259	1,013	806	712	719	726	643	499	313	166	172
Non-Hispanic Black	19,227	1,593	1,561	1,519	1,536	1,498	1,666	1,357	1,226	1,051	1,053	1,063	1,227	1,066	769	453	271	191	127
Female	37,466	2,534	2,635	2,370	2,177	2,078	2,247	2,574	3,170	2,443	2,271	2,286	2,456	2,259	1,850	1,421	1,021	721	953
Non-Hispanic White	10,054	424	517	378	298	272	285	800	1,226	808	689	570	661	677	674	595	421	272	487
Non-Hispanic Black	22,460	1,612	1,615	1,533	1,468	1,472	1,647	1,421	1,512	1,291	1,319	1,458	1,594	1,405	1,047	737	531	394	404
<b>Sussex</b>	231,619	11,572	12,150	12,707	11,946	11,834	11,552	12,167	12,224	10,950	12,435	14,928	17,747	18,238	17,373	16,360	12,128	7,721	7,587
Male	112,751	5,873	6,183	6,501	6,072	5,867	5,979	6,198	6,236	5,379	6,089	7,281	8,572	8,686	8,178	7,936	7,806	8,403	9,098
Non-Hispanic White	82,504	3,460	3,383	3,507	3,512	3,761	3,831	3,865	3,986	3,528	4,254	5,685	7,070	7,443	7,236	6,994	5,097	3,202	2,690
Non-Hispanic Black	13,075	1,094	1,048	993	950	951	993	897	821	647	690	828	823	762	591	398	293	157	139
Female	118,868	5,699	5,967	6,206	5,874	5,967	5,573	5,969	5,988	5,571	6,346	7,647	9,175	9,552	9,195	8,721	6,545	4,220	4,653
Non-Hispanic White	88,729	3,356	3,289	3,255	3,364	3,751	3,725	3,908	3,938	3,795	4,668	5,912	7,535	8,231	8,108	7,896	5,948	3,861	4,189
Non-Hispanic Black	13,925	1,063	985	948	916	975	898	889	843	712	754	943	1,016	831	726	538	388	207	293

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

In 2019 there were 4,826 marriages and 2,839 divorces in Delaware. Over half of all divorces in 2019 were of marriages that lasted less than 10 years.

### Marriage

#### Male

Youngest: 18  
Oldest: 90

#### Female

Youngest: 18  
Oldest: 87

Marriage with the greatest age difference between bride and groom: 41 years.

Most popular month to get married: September.

### Divorce

#### Male

Youngest: 19  
Oldest: 85

#### Female

Youngest: 19  
Oldest: 90

Shortest duration of marriage: 34 days

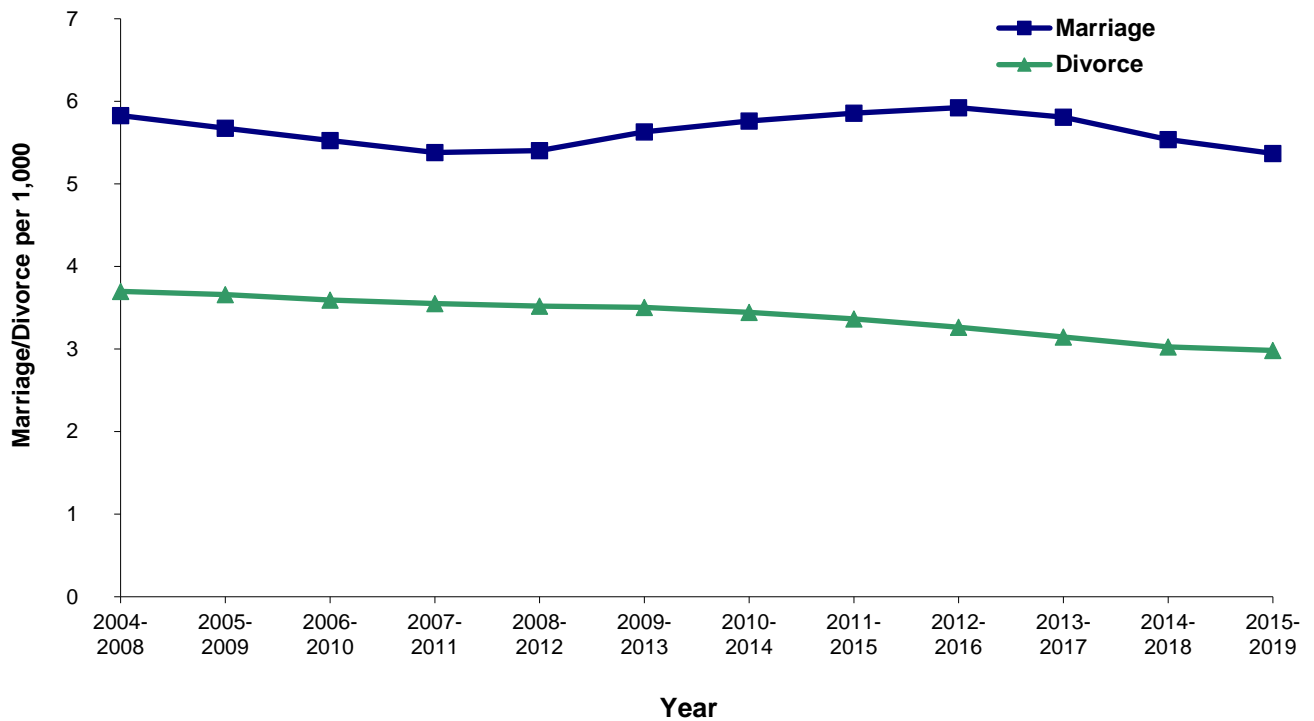
Longest duration of marriage: 61 years

Median duration of marriage: 9 years

Total children under 18 years of age: 1,197

Between 2004-2008 and 2015-2019, the five-year average marriage rate decreased from 5.8 to 5.4 marriages per 1,000 population. The five-year average divorce rate declined 18.9 percent from 3.7 in 2004-2008 to 3.0 divorces per 1,000 population in 2015-2019.

**Figure 7. Five-year Average Marriage and Divorce Rates, per 1,000 Population, Delaware, 2004-2019**



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, 2004-2019**  
U.S., DELAWARE AND COUNTIES, 2004-2019

Year	U.S.	Delaware	Kent	New Castle	Sussex
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	2,251,411	5,344	888	2,777	1,679
2017	2,236,496	5,071	911	2,559	1,601
2018	2,131,853	5,066	881	2,621	1,564
2019	2,015,603	4,826	866	2,478	1,482

**Note:**

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

\* U.S. population numbers for 2018 were not available at the time of this posting.

**Sources:** National Center for Health Statistics

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

**TABLE B-2. FIVE-YEAR AVERAGE MARRIAGE RATES PER 1,000 POPULATION  
BY PLACE OF CEREMONY BY COUNTY, U.S., DELAWARE, 2004-2019**

Years	U.S.	Delaware	Kent	New Castle	Sussex
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	7.9
2010-2014	6.7	5.8	5.6	4.9	8.3
2011-2015	6.8	5.9	5.5	5.0	8.6
2012-2016	6.8	6.0	5.4	5.1	8.8
2013-2017	6.8	5.9	5.3	5.0	8.5
2014-2018	6.8	5.6	5.2	4.8	7.9
2015-2019	6.7	5.4	5.0	4.7	7.3

**Note:**

U.S. rates are based on NCHS estimate.

\* U.S. population numbers for 2018 were not available at the time of this posting, therefore rates could not be calculated.

**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 PERCENTAGE OF MARRIAGES BY RACE OF GROOM AND BRIDE, DELAWARE, 2019**

Race of Groom	Race of bride											
	Non-Hispanic White		Non-Hispanic Black		Non-Hispanic American Indian		Non-Hispanic Asian/Pacific Islander		Non-Hispanic Other		Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Non-Hispanic White	2,787	90.8	73	7.7	6	17.6	57	39.0	79	19.6	38	16.5
Non-Hispanic Black	151	4.9	834	88.4	2	5.9	6	4.1	33	8.2	32	13.9
Non-Hispanic American Indian	4	0.1	1	0.1	23	67.6	0	0.0	1	0.2	1	0.4
Non-Hispanic Asian/Pacific Islander	18	0.6	3	0.3	1	2.9	73	50.0	2	0.5	1	0.4
Non-Hispanic Other	69	2.2	22	2.3	1	2.9	7	4.8	278	69.0	7	3.0
Hispanic	41	1.3	10	1.1	1	2.9	3	2.1	10	2.5	151	65.7

**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 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, 2019**

Previous Marital Status	Race					
	All Races		White NonHispanic		Black NonHispanic	
	Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>						
Single	3,314	68.7	2,061	67.8	688	65.0
Widowed	72	1.5	50	1.6	19	1.8
Divorced	1,440	29.8	929	30.6	351	33.2
<b>Bride</b>						
Single	3,359	69.6	2,093	68.2	637	67.6
Widowed	78	1.6	49	1.6	23	2.4
Divorced	1,389	28.8	928	30.2	283	30.0

**Notes:**

1. Percentages may not add to 100% due to rounding.
2. Percentages are calculated based upon the total number of marriages in each 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 PERCENTAGE OF MARRIAGES BY MARRIAGE ORDER, TYPE OF CEREMONY, AND RACE OF BRIDE AND GROOM, DELAWARE, 2019**

Marriage Order	Type of Ceremony	Race					
		All Races		White NonHispanic		Black NonHispanic	
		Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>							
First Marriage	Civil	2,299	69.4	1,634	79.3	380	55.2
	Religious	1,015	30.6	427	20.7	308	44.8
Remarriage	Civil	970	64.2	707	72.2	196	53.0
	Religious	542	35.8	272	27.8	174	47.0
<b>Bride</b>							
First Marriage	Civil	2,315	68.9	1,650	78.8	345	54.2
	Religious	1,044	31.1	443	21.2	292	45.8
Remarriage	Civil	954	65.0	705	72.2	168	54.9
	Religious	513	35.0	272	27.8	138	45.1

**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, 2019**

Marriage Order	Race					
	All Races		White NonHispanic		Black NonHispanic	
	Median	Mean	Median	Mean	Median	Mean
<b>Groom</b>						
First Marriage	30	32	29	31	31	34
Remarriage	48	49	49	49	49	49
<b>Bride</b>						
First Marriage	28	30	28	29	31	33
Remarriage	46	46	46	47	45	46

**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 PERCENTAGE OF MARRIAGES BY MARRIAGE ORDER, AGE, AND RACE OF BRIDE AND GROOM,**

DELAWARE, 2019 Marriage Order	Age	Race					
		All Races		Non-Hispanic White		Non-Hispanic Black	
		Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>							
All Marriages	<20	31	0.6	17	0.6	5	0.5
	20-29	1,633	33.8	1,078	35.5	278	26.3
	30-39	1,573	32.6	980	32.2	338	31.9
	40-49	734	15.2	408	13.4	206	19.5
	50-64	681	14.1	429	14.1	199	18.8
	65+	174	3.6	128	4.2	32	3.0
	Unk	0	0.0	0	0.0	0	0.0
First Marriage	<20	31	0.9	17	0.8	5	0.7
	20-29	1,589	47.9	1,046	50.8	272	39.5
	30-39	1,217	36.7	747	36.2	261	37.9
	40-49	306	9.2	152	7.4	95	13.8
	50-64	150	4.5	84	4.1	52	7.6
	65+	21	0.6	15	0.7	3	0.4
	Unk	0	0.0	0	0.0	0	0.0
Remarriage	<20	0	0.0	0	0.0	0	0.0
	20-29	44	2.9	32	3.3	6	1.6
	30-39	356	23.5	233	23.8	77	20.8
	40-49	428	28.3	256	26.1	111	30.0
	50-64	531	35.1	345	35.2	147	39.7
	65+	153	10.1	113	11.5	29	7.8
	Unk	0	0.0	0	0.0	0	0.0
<b>Bride</b>							
All Marriages	<20	72	1.5	46	1.5	13	1.4
	20-29	1,993	41.3	1,338	43.6	286	30.3
	30-39	1,383	28.7	842	27.4	296	31.4
	40-49	684	14.2	386	12.6	181	19.2
	50-64	583	12.1	374	12.2	149	15.8
	65+	111	2.3	84	2.7	18	1.9
	Unk	0	0.0	0	0.0	0	0.0
First Marriage	<20	72	2.1	46	2.2	13	2.0
	20-29	1,901	56.6	1,283	61.3	268	42.1
	30-39	1,005	29.9	595	28.4	220	34.5
	40-49	240	7.1	101	4.8	85	13.3
	50-64	128	3.8	60	2.9	47	7.4
	65+	13	0.4	8	0.4	4	0.6
	Unk	0	0.0	0	0.0	0	0.0
Remarriage	<20	0	0.0	0	0.0	0	0.0
	20-29	92	6.3	55	5.6	18	5.9
	30-39	378	25.8	247	25.3	76	24.8
	40-49	444	30.3	285	29.2	96	31.4
	50-64	455	31.0	314	32.1	102	33.3
	65+	98	6.7	76	7.8	14	4.6
	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 ORDER, AGE OF BRIDE, AND AGE OF GROOM, DELAWARE, 2019**

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	19	12	0	0	0	0	0	0	0	0	0	0	0	0	0
	20-29	48	1,301	131	6	1	0	0	0	0	0	0	0	0	0	0
	30-39	2	426	552	37	1	0	0	0	0	0	0	0	0	0	0
	40-49	1	16	90	74	12	0	0	0	0	0	0	0	0	0	0
	50-64	0	2	9	19	43	2	0	0	0	0	0	0	0	0	0
	65+	0	0	0	0	7	6	0	0	0	0	0	0	0	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	26	5	0	0	0	0	0	0	0	0	0	0	0	0
	30-39	1	92	120	13	0	0	0	0	0	0	0	0	0	0	0
	40-49	0	18	72	57	11	0	0	0	0	0	0	0	0	0	0
	50-64	0	8	23	31	42	1	0	0	0	0	0	0	0	0	0
Unk	65+	0	0	3	3	11	4	0	0	0	0	0	0	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 PERCENTAGE OF MARRIAGES BY MONTH OF CEREMONY, DELAWARE, 2019**

Month	Number	Percent
January	209	4.3
February	208	4.3
March	274	5.7
April	341	7.1
May	499	10.3
June	571	11.8
July	373	7.7
August	467	9.7
September	622	12.9
October	625	13.0
November	352	7.3
December	285	5.9
Total	4,826	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 PERCENTAGE OF MARRIAGES BY DAY OF WEEK CEREMONY PERFORMED, DELAWARE, 2019**

Day	Number	Percent
Sunday	410	8.5
Monday	216	4.5
Tuesday	225	4.7
Wednesday	709	14.7
Thursday	356	7.4
Friday	746	15.5
Saturday	2,164	44.8
Total	4,826	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, DELAWARE AND COUNTIES, 2004-2019**

Year	Delaware	Kent	New Castle	Sussex
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
2017	2,851	611	1,557	683
2018	2,709	570	1,536	603
2019	2,839	588	1,595	656

**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, 2004-2019**

Years	Delaware	Kent	New Castle	Sussex
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	3.5	4.4	3.3	3.5
2008-2012	3.5	4.3	3.3	3.4
2009-2013	3.5	4.3	3.2	3.6
2010-2014	3.4	4.2	3.2	3.5
2011-2015	3.4	4.1	3.1	3.5
2012-2016	3.3	4.0	3.1	3.3
2013-2017	3.2	3.8	2.9	3.3
2014-2018	3.1	3.6	2.9	3.0
2015-2019	3.0	3.5	2.8	2.9

**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, 2019**

Race of Husband	Race of Wife								
	White	Black	American Indian	Chinese	Hawaiian	Filipino	Other Asian	Other Race	Not Classifiable
White	1,567	48	5	10	1	10	13	53	20
Black	78	645	3	1	1	1	4	35	15
American Indian	6	2	1	0	0	0	0	1	0
Chinese	3	0	0	13	0	0	1	0	0
Hawaiian	1	1	0	0	0	0	0	0	0
Filipino	1	2	1	1	0	5	0	1	0
Other Asian	9	1	1	0	0	0	34	0	1
Other Race	68	20	3	2	0	0	0	107	3
Not Classifiable	11	6	0	0	0	1	1	5	16

**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,**

Number of Marriage	All Races		Non-Hispanic White		Non-Hispanic Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	43	44	42	44	42	43
First Marriage	40	41	39	41	40	41
Second Marriage	50	50	49	49	50	49
Third Marriage+	55	56	54	57	54	54
Not Stated	48	47	47	48	46	50
<b>Wife</b>						
All Marriages	41	42	41	42	40	41
First Marriage	38	39	37	39	38	39
Second Marriage	47	47	47	48	46	46
Third Marriage+	53	53	51	52	53	52
Not Stated	42	43	40	41	34	34

**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,

**TABLE B-15. NUMBER AND PERCENTAGE OF DIVORCES/ANNULMENTS\* BY MARRIAGE ORDER, AGE OF HUSBAND AND WIFE AT TIME OF DIVORCE DECREE AND RACE OF HUSBAND AND WIFE, DELAWARE, 2019**

Marriage Order	Age	Husband's Race						Wife's Race					
		All Races		Non-Hispanic White		Non-Hispanic Black		All Races		Non-Hispanic White		Non-Hispanic Black	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Marriages	<20	1	0.0	1	0.1	0	0.0	2	0.1	1	0.1	0	0.0
	20-29	276	9.7	119	10.6	40	8.7	390	13.7	158	14.1	57	13.2
	30-39	803	28.3	349	31.1	141	30.7	859	30.3	360	32.2	147	34.1
	40-49	782	27.5	296	26.4	148	32.2	826	29.1	312	27.9	133	30.9
	50-64	768	27.1	293	26.1	102	22.2	596	21.0	233	20.8	76	17.6
	65+	134	4.7	53	4.7	16	3.5	98	3.5	41	3.7	5	1.2
	Unk	75	2.6	11	1.0	13	2.8	68	2.4	13	1.2	13	3.0
	<20	1	0.1	1	0.1	0	0.0	2	0.1	1	0.1	0	0.0
	20-29	257	13.2	114	14.3	39	11.4	354	18.8	145	18.9	53	16.9
	30-39	683	35.1	300	37.5	118	34.5	662	35.2	289	37.6	118	37.6
40-49	544	27.9	199	24.9	118	34.5	524	27.8	194	25.3	93	29.6	
50-64	375	19.3	161	20.2	50	14.6	275	14.6	120	15.6	40	12.7	
65+	42	2.2	16	2.0	6	1.8	26	1.4	10	1.3	1	0.3	
Unk	45	2.3	8	1.0	11	3.2	39	2.1	9	1.2	9	2.9	
<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	13	2.2	5	2.1	1	1.2	19	3.2	10	4.1	0	0.0	
30-39	86	14.6	43	18.3	19	22.9	131	21.9	54	22.3	23	27.1	
40-49	174	29.4	74	31.5	21	25.3	196	32.8	77	31.8	32	37.6	
50-64	256	43.3	94	40.0	36	43.4	199	33.3	76	31.4	26	30.6	
65+	49	8.3	16	6.8	5	6.0	43	7.2	23	9.5	3	3.5	
Unk	13	2.2	3	1.3	1	1.2	10	1.7	2	0.8	1	1.2	
<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	0	0.0	0	0.0	0	0.0	1	0.6	0	0.0	0	0.0	
30-39	5	2.9	2	2.7	1	3.7	12	6.7	8	9.9	1	5.9	
40-49	39	22.8	20	26.7	8	29.6	55	30.9	30	37.0	4	23.5	
50-64	91	53.2	34	45.3	13	48.1	83	46.6	34	42.0	10	58.8	
65+	35	20.5	19	25.3	4	14.8	22	12.4	8	9.9	1	5.9	
Unk	1	0.6	0	0.0	1	3.7	5	2.8	1	1.2	1	5.9	
<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	6	4.6	0	0.0	0	0.0	16	8.8	3	11.1	4	26.7	
30-39	29	22.3	4	30.8	3	37.5	54	29.8	9	33.3	5	33.3	
40-49	25	19.2	3	23.1	1	12.5	51	28.2	11	40.7	4	26.7	
50-64	46	35.4	4	30.8	3	37.5	39	21.5	3	11.1	0	0.0	
65+	8	6.2	2	15.4	1	12.5	7	3.9	0	0.0	0	0.0	
Unk	16	12.3	0	0.0	0	0.0	14	7.7	1	3.7	2	13.3	

**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.

**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, 2019**

Number of Marriage	All Races		Non-Hispanic White		Non-Hispanic Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	9.0	11.9	9.7	12.4	7.7	9.9
First Marriage	9.5	12.3	10.5	12.9	8.1	10.3
Second Marriage	8.6	11.3	8.8	11.4	7.7	9.2
Third Marriage+	6.6	8.7	8.3	9.9	5.1	6.5
Not Stated	8.2	12.1	16.7	15.8	7.0	11.4
<b>Wife</b>						
All Marriages	9.0	11.9	9.8	12.3	7.5	9.8
First Marriage	9.5	12.4	10.6	12.9	8.1	10.3
Second Marriage	8.4	11.4	9.4	12.1	7.2	9.5
Third Marriage+	6.7	8.6	6.4	8.5	4.8	5.4
Not Stated	7.7	11.5	5.7	10.2	4.1	4.9

**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 PERCENTAGE OF DIVORCES/ANNULMENTS\* BY MARRIAGE ORDER, DURATION OF THIS MARRIAGE, AND RACE OF HUSBAND AND WIFE, DELAWARE, 2019**

Marriage Order	Duration of this Marriage	Husband's Race						Wife's Race					
		All Races		Non-Hispanic White		Non-Hispanic Black		All Races		Non-Hispanic White		Non-Hispanic Black	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Marriages	<1	63	2.2	21	1.9	14	3.0	63	2.2	21	1.9	15	3.5
	1-4	711	25.0	260	23.2	127	27.6	711	25.0	264	23.6	109	25.3
	5-9	734	25.9	282	25.1	138	30.0	734	25.9	277	24.8	143	33.2
	10-14	445	15.7	196	17.5	76	16.5	445	15.7	201	18.0	66	15.3
	15-19	316	11.1	112	10.0	53	11.5	316	11.1	112	10.0	49	11.4
	20-24	239	8.4	111	9.9	24	5.2	239	8.4	109	9.7	21	4.9
	25-29	126	4.4	52	4.6	9	2.0	126	4.4	50	4.5	8	1.9
	30+	161	5.7	74	6.6	12	2.6	161	5.7	73	6.5	11	2.6
	Not Stated	44	1.5	14	1.2	7	1.5	44	1.5	11	1.0	9	2.1
First Marriage	<1	33	1.7	12	1.5	8	2.3	30	1.6	9	1.2	10	3.2
	1-4	488	25.1	188	23.5	92	26.9	470	25.0	181	23.6	75	23.9
	5-9	476	24.4	178	22.3	97	28.4	459	24.4	174	22.7	96	30.6
	10-14	303	15.6	141	17.6	59	17.3	294	15.6	140	18.2	55	17.5
	15-19	224	11.5	83	10.4	44	12.9	224	11.9	83	10.8	40	12.7
	20-24	173	8.9	83	10.4	20	5.8	172	9.1	81	10.5	19	6.1
	25-29	92	4.7	42	5.3	7	2.0	85	4.5	36	4.7	6	1.9
	30+	128	6.6	59	7.4	10	2.9	122	6.5	56	7.3	8	2.5
	Not Stated	30	1.5	13	1.6	5	1.5	26	1.4	8	1.0	5	1.6
Second Marriage	<1	15	2.5	5	2.1	3	3.6	16	2.7	8	3.3	2	2.4
	1-4	144	24.4	55	23.4	24	28.9	141	23.6	47	19.4	21	24.7
	5-9	171	28.9	76	32.3	28	33.7	176	29.4	71	29.3	34	40.0
	10-14	96	16.2	40	17.0	12	14.5	100	16.7	46	19.0	10	11.8
	15-19	66	11.2	19	8.1	8	9.6	53	8.9	17	7.0	8	9.4
	20-24	44	7.4	19	8.1	3	3.6	52	8.7	25	10.3	2	2.4
	25-29	24	4.1	7	3.0	2	2.4	26	4.3	12	5.0	2	2.4
	30+	25	4.2	13	5.5	1	1.2	28	4.7	14	5.8	3	3.5
	Not Stated	6	1.0	1	0.4	2	2.4	6	1.0	2	0.8	3	3.5
Third Marriage and more	<1	11	6.4	4	5.3	3	11.1	10	5.6	3	3.7	1	5.9
	1-4	48	28.1	14	18.7	9	33.3	50	28.1	26	32.1	7	41.2
	5-9	55	32.2	26	34.7	9	33.3	60	33.7	27	33.3	7	41.2
	10-14	29	17.0	14	18.7	5	18.5	26	14.6	13	16.0	0	0.0
	15-19	11	6.4	8	10.7	0	0.0	16	9.0	9	11.1	1	5.9
	20-24	12	7.0	7	9.3	1	3.7	8	4.5	1	1.2	0	0.0
	25-29	2	1.2	1	1.3	0	0.0	2	1.1	0	0.0	0	0.0
	30+	2	1.2	1	1.3	0	0.0	3	1.7	2	2.5	0	0.0
	Not Stated	1	0.6	0	0.0	0	0.0	3	1.7	0	0.0	1	5.9
Not Stated	<1	4	3.1	0	0.0	0	0.0	7	3.9	1	3.7	2	13.3
	1-4	31	23.8	3	23.1	2	25.0	50	28.1	10	37.0	6	40.0
	5-9	32	24.6	2	15.4	4	50.0	39	21.9	5	18.5	6	40.0
	10-14	17	13.1	1	7.7	0	0.0	25	14.0	2	7.4	1	6.7
	15-19	15	11.5	2	15.4	1	12.5	23	12.9	3	11.1	0	0.0
	20-24	10	7.7	2	15.4	0	0.0	7	3.9	2	7.4	0	0.0
	25-29	8	6.2	2	15.4	0	0.0	13	7.3	2	7.4	0	0.0
	30+	6	4.6	1	7.7	1	12.5	8	4.5	1	3.7	0	0.0
	Not Stated	7	5.4	0	0.0	0	0.0	9	5.1	1	3.7	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 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 PERCENTAGE OF DIVORCES BY RACE OF HUSBAND AND WIFE AND NUMBER OF CHILDREN UNDER 18, DELAWARE,**

2019 Number of Children Under 18	Race									
	All Races		Non-Hispanic White		Non-Hispanic Black		Non-Hispanic Other		HISPANIC	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Husband</b>	1,984	100.0	822	100.0	322	100.0	651	100.0	189	100.0
None	1,341	67.6	543	66.1	218	67.7	459	70.5	121	64.0
1	266	13.4	106	12.9	46	14.3	82	12.6	32	16.9
2	257	13.0	126	15.3	33	10.2	73	11.2	25	13.2
3	81	4.1	37	4.5	11	3.4	26	4.0	7	3.7
4	28	1.4	7	0.9	10	3.1	8	1.2	3	1.6
5+	11	0.6	3	0.4	4	1.2	3	0.5	1	0.5
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Wife</b>	1,984	100.0	804	100.0	309	100.0	680	100.0	191	100.0
None	1,341	67.6	525	65.3	215	69.6	481	70.7	120	62.8
1	266	13.4	105	13.1	40	12.9	90	13.2	31	16.2
2	257	13.0	121	15.0	32	10.4	76	11.2	28	14.7
3	81	4.1	39	4.9	12	3.9	23	3.4	7	3.7
4	28	1.4	9	1.1	8	2.6	7	1.0	4	2.1
5+	11	0.6	5	0.6	2	0.6	3	0.4	1	0.5
Unknown	0	0.0	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 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

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# Live Births



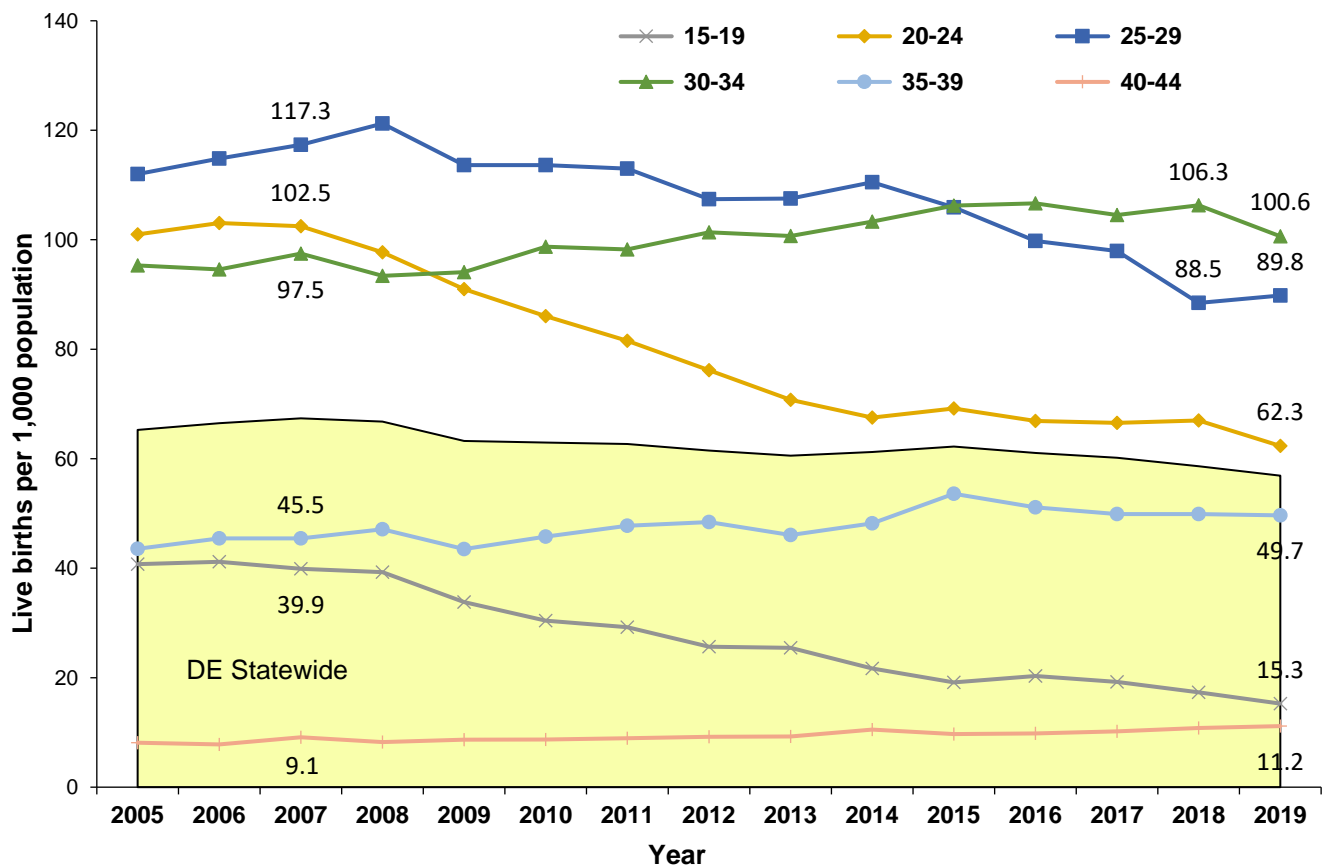
## LIVE BIRTHS

In 2019, there were 10,930 births in Delaware; 10,002 were to Delaware residents and 928 were to non-residents. Additionally 326 births to Delaware residents occurred out of state, for a total of 10,328 Delaware resident births, 265 fewer Delaware resident births than in 2018.

The recent national declines in general fertility and live birth rates were also apparent in Delaware statistics. From 2007 to 2019, the general fertility rate (number of births per 1,000 women aged 15-44 years) declined from a high of 67.4 to 56.9 births per 1,000 women aged 15-44. The birth rate of teens (15-19) exhibited the largest decline at 62 percent followed by women aged 20-24 that had a 39 percent decrease. During this time period women in the 35-39 aged group had the largest increase from 45.5 to 49.7 births per 1,000 women. Since 2007 the number of births to women aged 40-44 has not significantly changed.

In 2019, the general fertility rate for women aged 30-34 decreased five percent from the previous year, while women in the 25-29 aged group's general fertility rate increased one percent.

**Figure 8. Annual Fertility and Age-Specific Live Birth Rates, Delaware, 2005-2019**



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

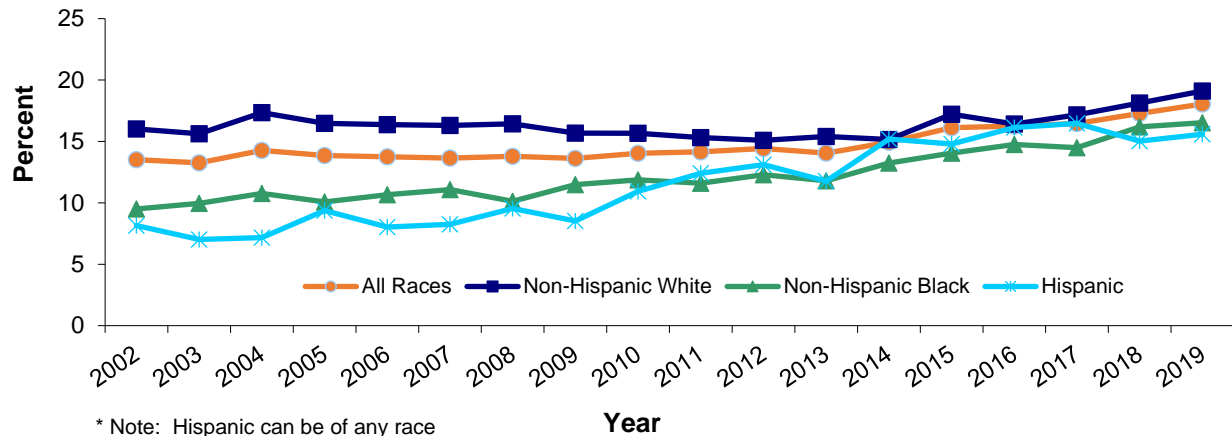
Teen births rates in both 15-17 and 18-19 age groups decreased from 2015 to 2019. Birth rates among teens aged 15-17 decreased 20 percent from 8.4 live births per 1,000 population in 2015 to 6.7 live births per 1,000 population in 2019. Birth rates among teens 18-19 fell 22 percent for the same time period.

In the 2015-2019 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 2002 and 2005, the percentage of births to women aged 35 or older exhibited a clear upward trend. The percentage remained relatively unchanged until 2014 when it reached 14.9. Since then, it increased to 18 percent in 2019, a 33.3 percent increase from 2002. Hispanic mothers aged 35 and older had the greatest percentage increase in births from 8.1 in 2002 to 15.6 in 2019.

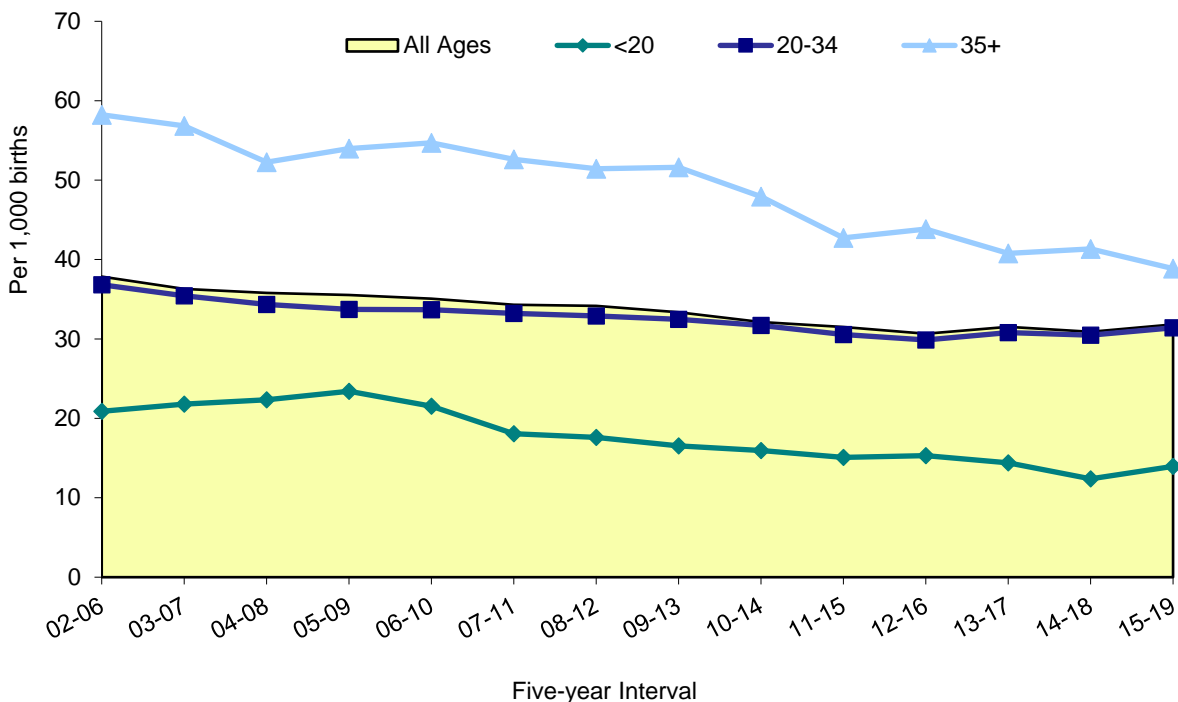
**Figure 9. Annual Percentage of Live Births to Women 35 or Older by Race and Hispanic Origin,\* Delaware, 2002-2019**



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 decreased 16 percent between 2002-2006 and 2015-2019. In 2015-2019, older mothers (35+) had the highest plural birth rates, at 39 multiples per 1,000 births, almost three times that of mothers under 20, and 24 percent higher than mothers 20-34.

**Figure 10. Five-year Average Plural Birth Rate by Age of Mother, Delaware, 2002-2019**



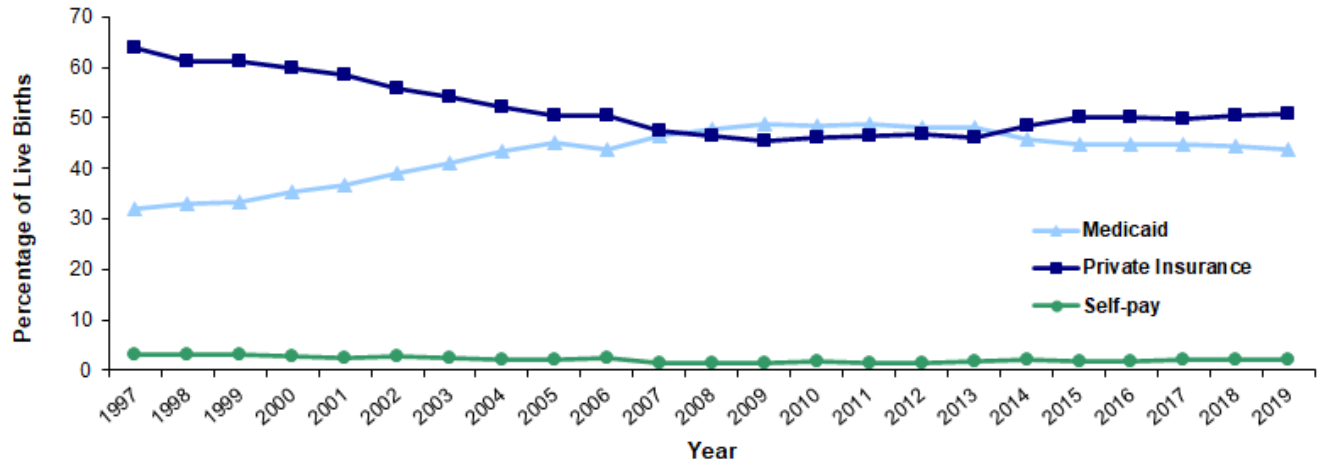
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## LIVE BIRTHS

In 2019, private insurance or Medicaid were listed as the primary source of payment in 95 percent of all live births; the remaining 5 percent were split between other government coverage and self-pay. See Table C-35 in the annual report

- In 2019, in all race categories, majority of women over thirty (62 percent) had private insurance as their primary source of payment.
- Medicaid was still the primary source of payment for the majority of mothers under 20, covering 74.9 percent of non-Hispanic black mothers, and 62.5 percent of non-Hispanic white mothers in that age group.

**Figure 11. Percentage of Births by Source of Payment for Delivery, Delaware, 1997-2019**

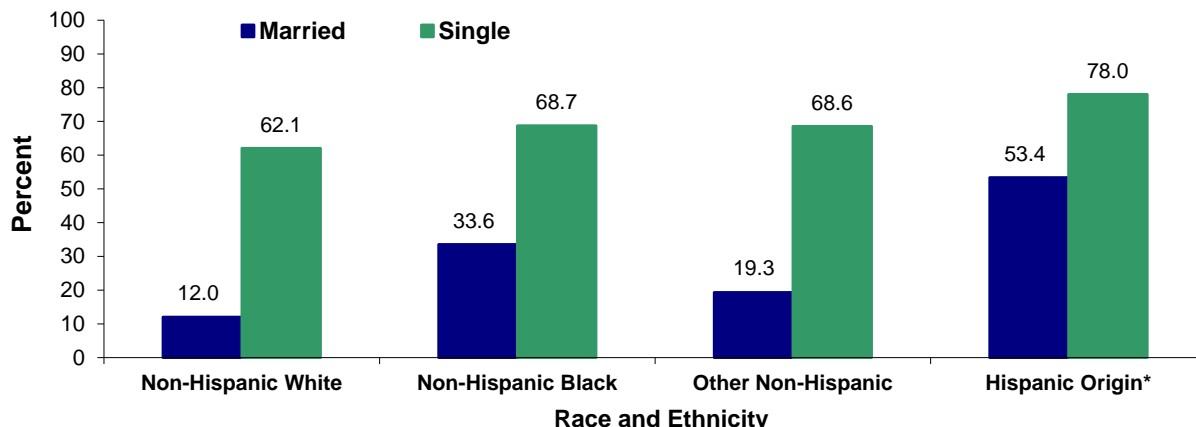


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

As in previous years, the primary source of payment for delivery in 2019 varies tremendously based on marital status:

- The percentage of single non-Hispanic white women who used Medicaid as their primary source of payment (62.1 percent) was around five times that of non-Hispanic white married women (12.0 percent).
- The percentage of single non-Hispanic black women who used Medicaid as their primary source of payment (68.7 percent) was more than two times that of non-Hispanic black married women (33.6 percent).
- The percentage of single women of other non-Hispanic races who used Medicaid as their primary source of payment (68.6 percent) was more than three times higher than among married women of other non-Hispanic races (19.3 percent).
- The percentage of single Hispanic women who used Medicaid as their primary source of payment (78.0 percent) was 1.5 times higher than Hispanic married women (53.4 percent).

**Figure 12. Percentage of Births by Race, Hispanic Origin, Marital Status, and Medicaid as Primary Source of Payment, Delaware, 2019**



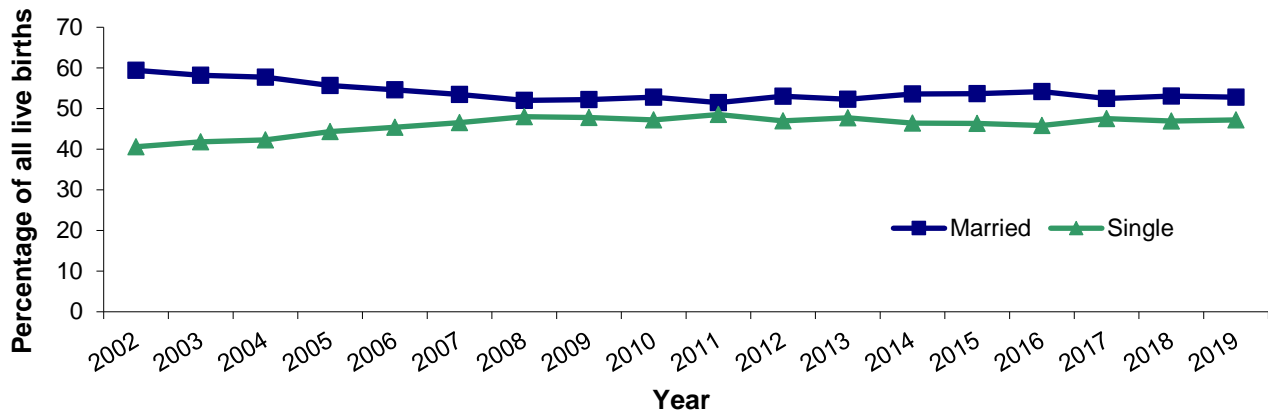
\* Note: Hispanic can be of any race

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

## LIVE BIRTHS

After increasing steadily from 2002 to 2008, the percentage of births to unmarried women stabilized with a 1.6 percent decrease from 2008 to 2019. Births to married women decreased steadily from 2002 to 2008 but stabilized ending with a 1.5 percent increase from 2008 to 2019. In 2019, 47.2 percent of all births were to unmarried women.

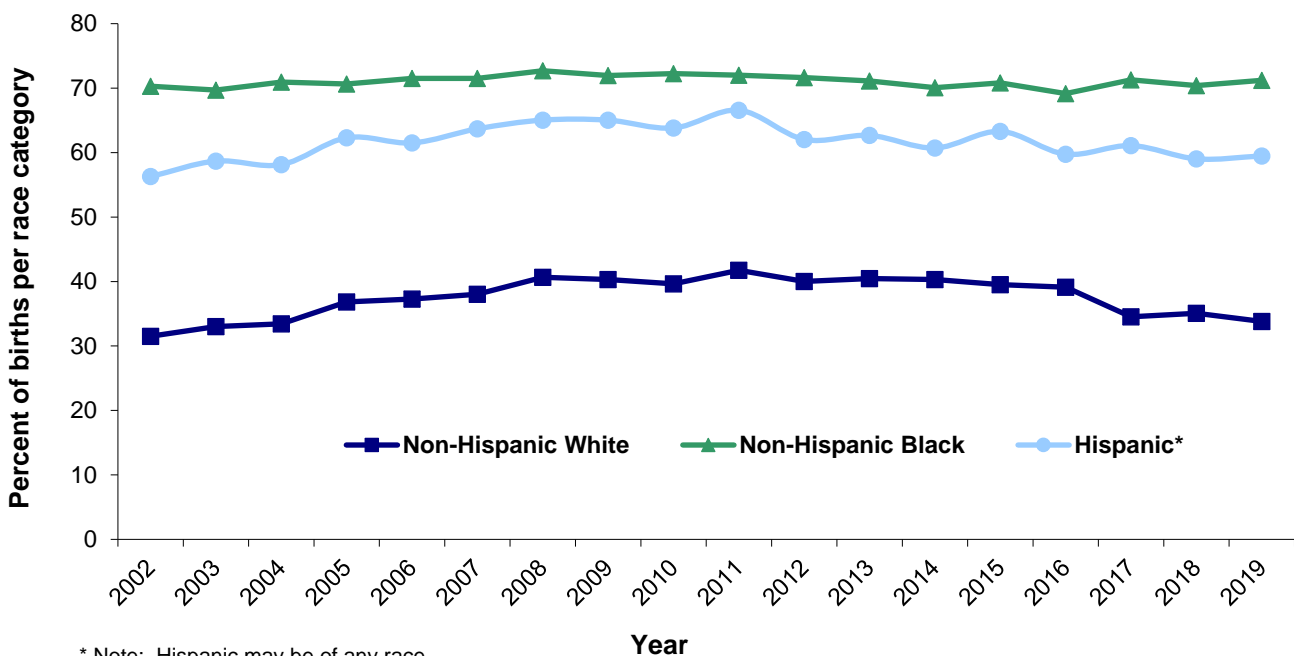
**Figure 13. Annual Percentage of Births by Mother's Marital Status, Delaware, 2002-2019**



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

In 2019, 34 percent of births were to single non-Hispanic white women, a slight increase from 32 percent in 2002. The percentage of births to single Hispanic women increased from 56 percent in 2002 to 59 percent in 2019. Unmarried non-Hispanic black women had the highest percentage of births from 2002 to 2019, remaining stable at approximately 70 percent during this time period.

**Figure 14. Percentage of Live Births to Unmarried Women by Race and Ethnicity, Delaware, 2002-2019**

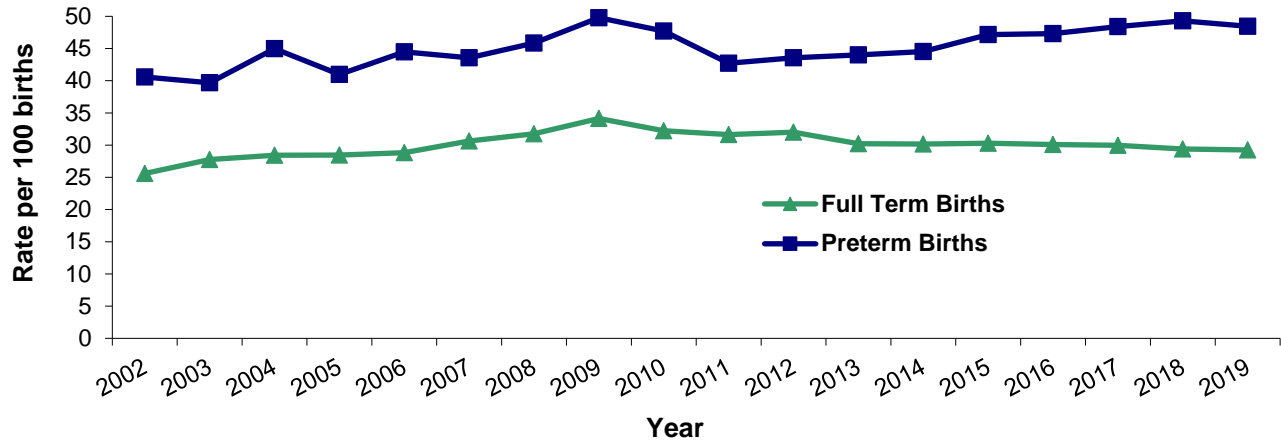


\* Note: Hispanic may be of any race.

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

From 2002 to 2019, the percentage of cesarean deliveries increased 15 percent, to 31.3 per 100 live births, whereas vaginal births decreased only 6 percent from 72.7 to 68.6 per 100 live births. Since 2002, the percentage of cesarean deliveries increased for both preterm (<37 weeks gestation) and term (37+ weeks gestation) births. The percentage of C-sections for preterm births remained higher at 48.4 per 100 preterm births, versus 29.2 per 100 term births in 2019.

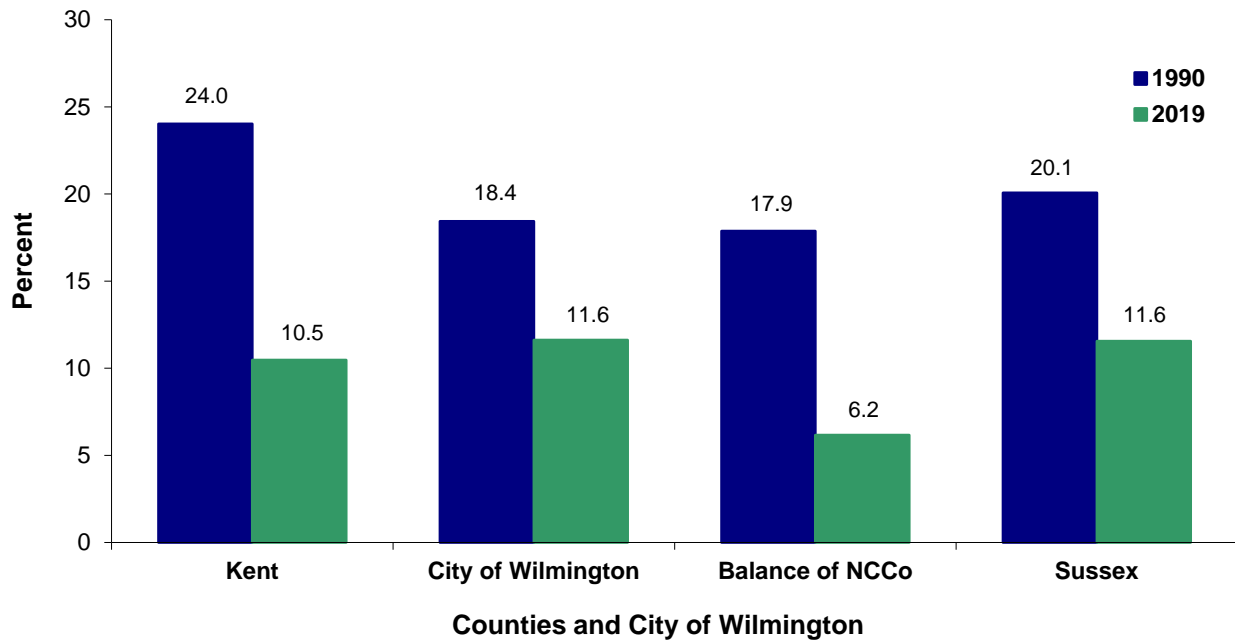
**Figure 15. Annual Rate of Cesarean Deliveries by Gestational Category, Delaware, 2002-2019**



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

From 1990 to 2019, the percentage of Delaware mothers who used tobacco while pregnant decreased in all three counties and the city of Wilmington. In 2019, the City of Wilmington and Sussex County had the highest percentage of mothers who smoked while pregnant at 11.6, whereas the Balance of New Castle County had the lowest percentage at 6.2.

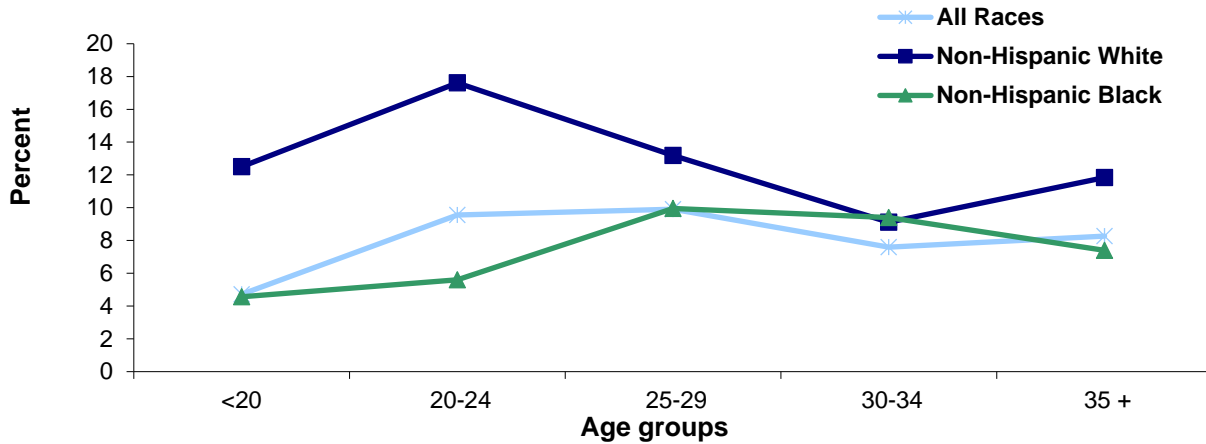
**Figure 16. Percentage of Mothers who Smoked while Pregnant, Delaware Counties and City of Wilmington, 1990 and 2019**



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

In 2019, non-Hispanic white women less than 20 years old who smoked while pregnant was nearly three times that of non-Hispanic black women. During this same time period only 7.4 percent of non-Hispanic black women over 35 years old smoked while pregnant compared to 11.8 percent of non-Hispanic white women.

**Figure 17. Percentage of Mothers who Smoked While Pregnant by Age Group and Race, Delaware, 2019**

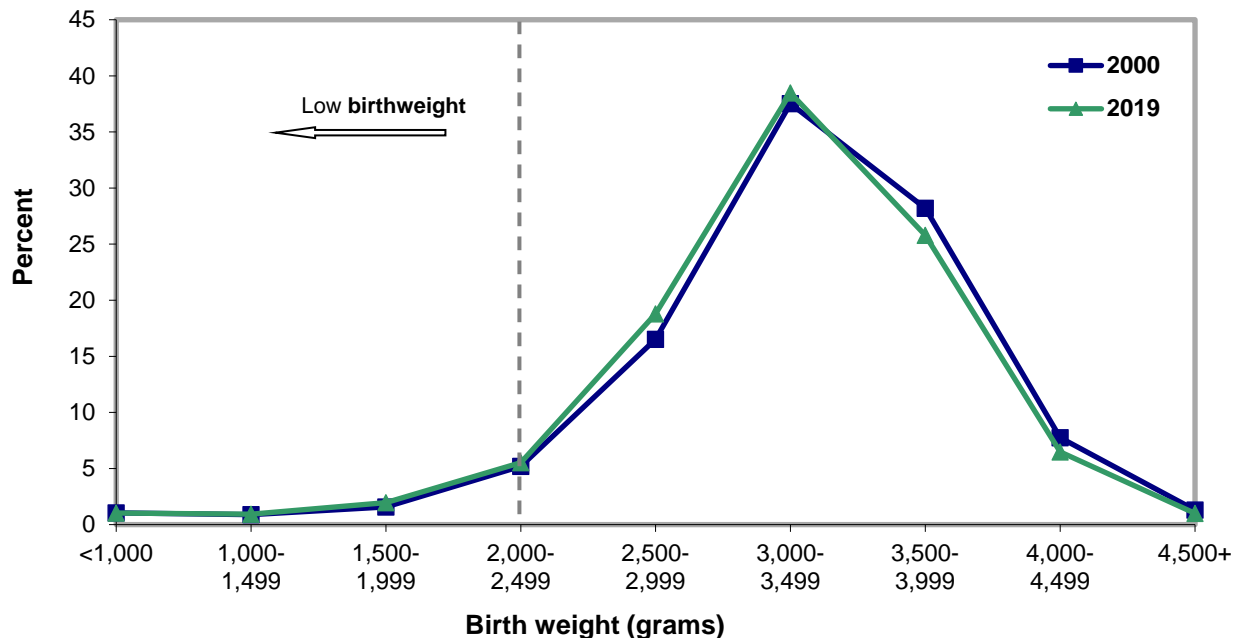


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

In 2019, 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 2000 and 2019. The greatest percentage of births fell within the 3,000 to 3,499 gram range.

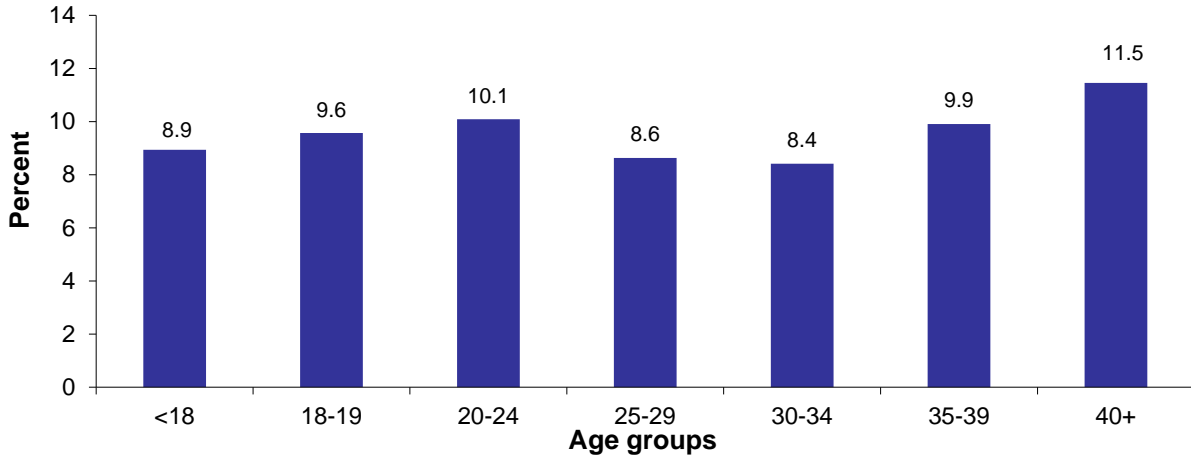
**Figure 18. Percent Distribution of Births by Birthweight, Delaware, 2000 and 2019**



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

In 2015-2019 the five-year percentage of low birthweight (LBW) births and very low birthweight (VLBW) births remained relatively stable at 9.1 and 1.8, respectively. The percentage of LBW births was greatest for mothers in the 40 and older age group (11.5 percent) and lowest for those in the 30-34 age group (8.4 percent).

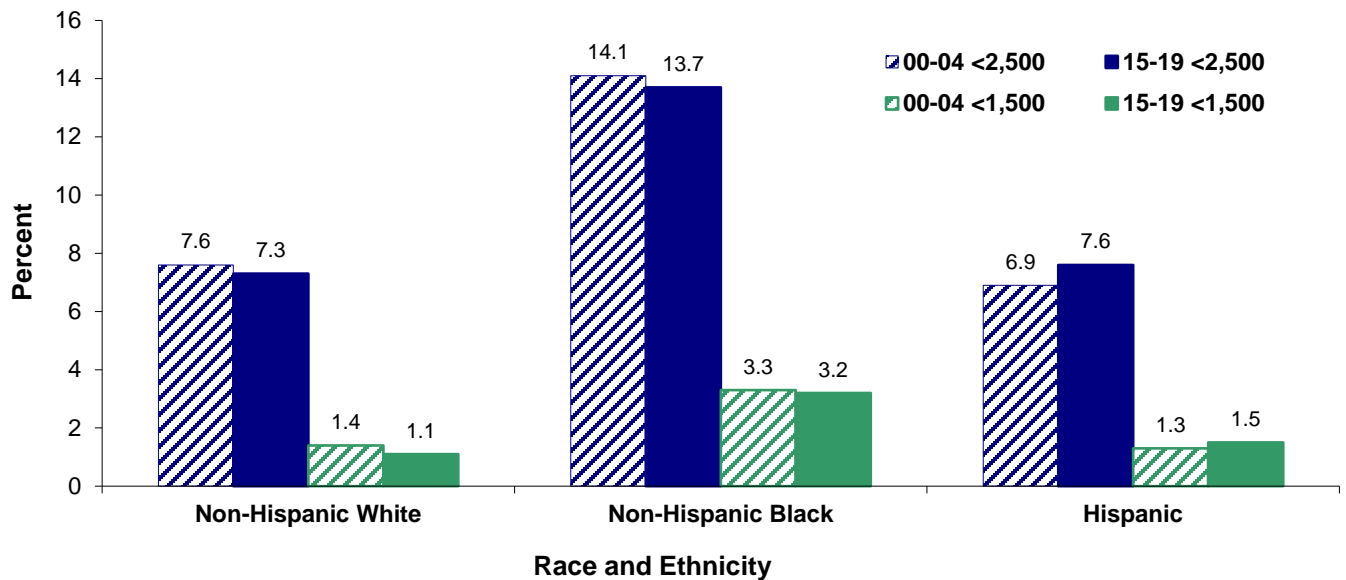
**Figure 19. Five-year Percentage of Low Birthweight Births (<2,500 grams) by Mother's Age, Delaware, 2015-2019**



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

Between 2000-2004 and 2015-2019, there was a decline in the percentages of infants born at low birthweight and very low birth weight to non-Hispanic white and non-Hispanic black mothers. During this same time period, the percentage of infants born at both low birth weight and very low birthweight to Hispanic mothers showed an increase of 10 percent and 15 percent respectively. In 2015-2019 among mothers of all ages, non-Hispanic black mothers had the highest percentage of LBW and VLBW births at 13.7 percent and 3.2 percent.

**Figure 20. Five-year Average Percentage of Low (<2,500 grams) and Very Low Birth Weight Births (<1,500 grams) by Race and Hispanic Origin, Delaware, 2000-2004 and 2015-2019**



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, COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 2009-2019**

ALL RACES

Area/ Age	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>U.S.</b>	4,130,665	3,999,386	3,953,590	3,952,841	3,932,181	3,988,076	3,978,497	3,945,875	3,855,500	3,791,712	3,747,540
<20	414,831	372,175	333,746	309,060	276,203	251,847	232,215	212,062	196,294	181,607	173,461
20-24	1,005,982	951,688	925,200	916,811	896,745	882,567	850,509	803,978	764,780	726,175	704,342
25-29	1,166,787	1,133,713	1,127,583	1,123,900	1,120,777	1,145,392	1,152,311	1,149,122	1,123,577	1,099,491	1,078,097
30+	1,543,065	1,541,810	1,567,061	1,603,070	1,638,456	1,708,270	1,743,462	1,780,713	1,770,849	1,784,439	1,791,640
<b>Delaware</b>	11,369	11,291	11,227	10,982	10,802	10,934	11,145	10,967	10,835	10,593	10,328
<20	1,085	983	909	768	730	621	553	594	556	502	445
20-24	2,831	2,707	2,642	2,534	2,431	2,298	2,279	2,099	2,014	1,960	1,810
25-29	3,280	3,293	3,297	3,151	3,139	3,297	3,319	3,303	3,333	3,110	3,129
30+	4,173	4,308	4,379	4,529	4,502	4,718	4,994	4,971	4,932	5,021	4,944
<b>Kent</b>	2,258	2,228	2,166	2,206	2,180	2,266	2,259	2,247	2,172	2,149	2,044
<20	209	198	183	162	134	129	100	153	126	96	75
20-24	719	633	601	597	599	608	576	518	489	492	433
25-29	687	703	685	664	665	726	736	760	713	680	671
30+	643	694	697	783	782	803	847	816	844	881	865
<b>New Castle</b>	6,794	6,780	6,880	6,479	6,444	6,450	6,584	6,430	6,391	6,165	6,016
<20	613	546	527	410	395	323	296	298	276	268	218
20-24	1,424	1,418	1,417	1,294	1,286	1,157	1,171	1,050	1,039	1,003	915
25-29	1,921	1,915	1,956	1,822	1,812	1,887	1,868	1,851	1,878	1,738	1,763
30+	2,836	2,901	2,980	2,953	2,951	3,083	3,249	3,231	3,198	3,156	3,120
Wilmington	1,237	1,064	1,111	1,005	1,057	1,000	973	983	968	899	826
<20	193	153	159	122	132	89	79	85	89	79	72
20-24	360	294	275	264	270	245	242	229	221	217	191
25-29	312	275	301	258	278	267	260	279	267	251	239
30+	372	342	376	361	377	399	392	390	391	352	324
Balance of NC County	5,557	5,716	5,769	5,474	5,387	5,450	5,611	5,447	5,423	5,266	5,190
<20	420	393	368	288	263	234	217	213	187	189	146
20-24	1,064	1,124	1,142	1,030	1,016	912	929	821	818	786	724
25-29	1,609	1,640	1,655	1,564	1,534	1,620	1,608	1,572	1,611	1,487	1,524
30+	2,464	2,559	2,604	2,592	2,574	2,684	2,857	2,841	2,807	2,804	2,796
<b>Sussex</b>	2,317	2,283	2,181	2,297	2,178	2,218	2,302	2,290	2,272	2,279	2,268
<20	263	239	199	196	201	169	157	143	154	138	152
20-24	688	656	624	643	546	533	532	531	486	465	462
25-29	672	675	656	665	662	684	715	692	742	692	695
30+	694	713	702	793	769	832	898	924	890	984	959

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, 2009-2019**

**NON-HISPANIC WHITE**

Area/ Age	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>U.S.</b>	2,212,552	2,162,406	2,146,566	2,134,044	2,129,196	2,149,302	2,130,279	2,094,054	2,030,493	1,994,985	1,915,912
<20	160,632	145,070	130,198	120,623	108,603	99,899	91,415	81,774	75,209	68,114	60,854
20-24	490,773	464,849	451,939	444,300	431,540	420,224	399,373	374,508	352,786	336,250	313,275
25-29	657,658	648,610	647,520	641,377	637,710	646,097	642,150	627,597	605,236	587,743	556,533
30+	903,489	903,877	916,909	927,744	951,343	983,082	997,341	1,010,175	997,262	1,002,878	985,250
<b>Delaware</b>	6,049	6,255	6,170	6,057	5,876	5,812	5,871	5,786	5,309	5,197	4,857
<20	387	390	356	318	261	239	189	201	171	160	80
20-24	1,292	1,288	1,220	1,196	1,130	1,048	989	899	824	762	653
25-29	1,826	1,897	1,869	1,767	1,728	1,818	1,786	1,816	1,626	1,557	1,494
30+	2,544	2,680	2,725	2,776	2,757	2,707	2,907	2,870	2,688	2,718	2,630
<b>Kent</b>	1,375	1,387	1,354	1,362	1,304	1,365	1,329	1,298	1,178	1,205	1,059
<20	88	93	92	73	54	71	43	60	47	42	19
20-24	406	372	325	327	328	327	295	279	248	243	198
25-29	447	465	467	431	424	466	447	476	393	404	365
30+	434	457	470	531	498	501	544	483	490	516	477
<b>New Castle</b>	3,389	3,551	3,569	3,330	3,306	3,169	3,202	3,170	2,847	2,710	2,555
<20	182	174	162	131	107	87	81	91	71	67	32
20-24	550	589	576	508	511	444	419	352	337	294	240
25-29	991	1,028	1,027	930	907	928	900	906	785	743	714
30+	1,666	1,760	1,804	1,761	1,781	1,710	1,802	1,821	1,654	1,606	1,569
Wilmington	260	284	300	263	272	252	251	260	223	176	162
<20	14	12	13	13	18	9	7	5	8	4	2
20-24	46	45	41	30	25	18	32	22	18	17	19
25-29	58	85	79	65	57	63	59	68	38	45	42
30+	142	142	167	155	172	162	153	165	159	110	99
Balance of NC County	3,129	3,267	3,269	3,067	3,034	2,917	2,951	2,910	2,624	2,534	2,393
<20	168	162	149	118	89	78	74	86	63	63	30
20-24	504	544	535	478	486	426	387	330	319	277	221
25-29	933	943	948	865	850	865	841	838	747	698	672
30+	1,524	1,618	1,637	1,606	1,609	1,548	1,649	1,656	1,495	1,496	1,470
<b>Sussex</b>	1,285	1,317	1,247	1,365	1,266	1,278	1,340	1,318	1,284	1,282	1,243
<20	117	123	102	114	100	81	65	50	53	51	29
20-24	336	327	319	361	291	277	275	268	239	225	215
25-29	388	404	375	406	397	424	439	434	448	410	415
30+	444	463	451	484	478	496	561	566	544	596	584

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, 2009-2019**

NON-HISPANIC BLACK

Area/ Age	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>U.S.</b>	609,584	589,808	582,345	583,489	583,834	588,891	589,047	583,786	587,357	579,174	548,075
<20	100,153	89,902	79,936	72,549	63,109	55,774	50,884	46,686	43,854	41,192	37,248
20-24	194,122	187,981	186,229	187,488	185,662	182,435	175,597	163,118	157,192	147,083	132,605
25-29	153,210	147,684	147,708	149,649	153,903	160,935	165,895	170,684	175,210	174,466	165,655
30+	162,099	164,241	168,472	173,803	181,160	189,747	196,671	203,298	211,101	216,433	212,567
<b>Delaware</b>	3,108	3,032	3,018	2,881	2,950	2,801	2,968	2,895	2,932	2,879	2,856
<20	467	406	376	301	305	233	214	234	212	200	219
20-24	941	955	974	905	891	760	820	757	690	704	661
25-29	809	776	776	741	806	807	855	825	963	840	854
30+	891	895	892	934	948	1,001	1,079	1,079	1,067	1,135	1,122
<b>Kent</b>	621	610	587	590	608	613	632	658	675	618	638
<20	86	86	72	72	52	39	41	66	50	40	43
20-24	220	194	206	195	196	196	199	171	166	165	149
25-29	179	156	149	161	168	177	193	192	217	181	195
30+	136	174	160	162	192	201	199	229	242	232	251
<b>New Castle</b>	2,046	1,998	2,015	1,894	1,926	1,794	1,957	1,825	1,849	1,861	1,838
<20	290	262	244	186	193	147	140	129	121	123	123
20-24	561	585	603	563	547	428	497	450	409	439	406
25-29	525	514	520	484	531	523	554	519	611	533	559
30+	670	637	648	661	655	696	766	727	708	766	750
Wilmington	786	594	634	595	601	544	564	558	560	557	514
<20	148	115	112	88	84	62	59	59	61	60	57
20-24	253	191	193	192	200	167	171	166	153	149	125
25-29	197	140	171	151	166	161	151	168	180	167	152
30+	188	148	158	164	151	154	183	165	166	181	180
Balance of NC County	1,260	1,404	1,381	1,299	1,325	1,250	1,393	1,267	1,289	1,304	1,324
<20	142	147	132	98	109	85	81	70	60	63	66
20-24	308	394	410	371	347	261	326	284	256	290	281
25-29	328	374	349	333	365	362	403	351	431	366	407
30+	482	489	490	497	504	542	583	562	542	585	570
<b>Sussex</b>	441	424	416	397	416	394	379	412	408	400	380
<20	91	58	60	43	60	47	33	39	41	37	53
20-24	160	176	165	147	148	136	124	136	115	100	106
25-29	105	106	107	96	107	107	108	114	135	126	100
30+	85	84	84	111	101	104	114	123	117	137	121

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, B COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 2009-2019**

**HISPANIC ORIGIN**

Area/ Age	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>U.S.</b>	999,548	945,180	918,129	907,677	901,033	914,065	924,048	918,447	898,764	886,210	866,467
<20	138,336	123,609	111,236	104,118	94,174	87,007	81,350	75,708	70,128	65,852	63,396
20-24	274,726	254,723	243,724	241,138	237,705	239,121	236,264	228,216	219,206	209,701	207,552
25-29	270,641	254,982	248,269	244,474	244,243	248,971	256,106	258,025	255,130	253,977	256,385
30+	315,845	311,866	314,900	317,947	324,911	338,966	350,328	356,498	354,300	356,680	359,134
<b>Delaware</b>	1,653	1,426	1,427	1,396	1,342	1,573	1,542	1,543	1,773	1,750	1,752
<20	223	174	166	135	148	134	135	151	148	130	132
20-24	524	404	394	375	334	422	393	371	435	435	406
25-29	467	425	431	428	401	432	448	441	497	507	533
30+	439	423	436	458	459	585	566	580	693	678	681
<b>Kent</b>	197	156	162	178	184	204	215	197	220	237	220
<20	31	17	16	15	22	16	12	23	20	11	10
20-24	74	52	55	59	58	71	69	52	60	68	58
25-29	47	57	52	50	52	62	70	69	74	70	75
30+	45	30	39	54	52	55	64	53	66	88	77
<b>New Castle</b>	906	760	789	726	707	881	796	827	1,030	971	976
<20	137	101	116	84	86	79	68	74	70	73	58
20-24	268	207	206	187	178	245	203	197	253	232	218
25-29	255	213	221	227	205	236	224	239	274	297	298
30+	246	239	246	228	238	321	301	317	433	369	402
Wilmington	174	172	161	118	154	178	136	142	154	145	131
<20	30	25	34	18	25	17	12	20	17	15	13
20-24	61	55	40	39	42	54	35	38	47	46	41
25-29	49	48	48	32	49	37	44	37	43	37	40
30+	34	44	39	29	38	70	45	47	47	47	37
Balance of NC County	732	588	628	608	553	703	660	685	876	826	845
<20	107	76	82	66	61	62	56	54	53	58	45
20-24	207	152	166	148	136	191	168	159	206	186	177
25-29	206	165	173	195	156	199	180	202	231	260	258
30+	212	195	207	199	200	251	256	270	386	322	365
<b>Sussex</b>	550	510	476	492	451	488	531	519	523	542	556
<20	55	56	34	36	40	39	55	54	58	46	64
20-24	182	145	133	129	98	106	121	122	122	135	130
25-29	165	155	158	151	144	134	154	133	149	140	160
30+	148	154	151	176	169	209	201	210	194	221	202

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 WILLMINGTON, U.S., AND DELAWARE, 2002-2019**

Age/Area/ Race	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>Teens 15-19</b>														
<b>U.S.</b>	41.0	40.8	40.6	40.1	39.0	37.1	34.7	31.9	29.2	26.7	24.5	22.4	20.6	19.1
Non-Hispanic White	21.5	21.1	20.9	20.5	21.0	21.1	20.9	20.6	20.2	18.7	17.2	15.8	14.4	13.2
Non-Hispanic Black	59.3	58.2	57.3	56.1	55.3	53.1	50.3	46.8	43.2	39.2	35.6	32.4	29.5	27.7
<b>Delaware</b>	41.1	40.6	40.2	38.9	36.8	34.5	31.7	29.0	26.6	24.3	22.4	21.1	19.5	18.2
Non-Hispanic White	25.0	24.8	24.3	23.5	22.9	22.0	21.0	19.5	18.5	16.8	15.3	13.7	12.6	10.7
Non-Hispanic Black	68.9	66.9	65.3	62.7	59.4	55.5	50.1	45.8	40.6	36.6	33.4	31.4	28.6	28.4
<b>Kent</b>	44.3	44.0	42.6	40.6	37.7	35.4	32.8	30.1	27.9	24.9	23.9	22.4	20.7	18.7
Non-Hispanic White	35.8	36.5	35.2	34.0	32.2	31.6	28.9	25.6	24.8	21.7	19.4	17.6	16.6	13.2
Non-Hispanic Black	58.8	56.1	53.3	49.4	46.9	42.5	41.3	39.2	36.1	32.9	34.2	32.1	30.5	31.3
<b>New Castle</b>	35.6	34.6	34.1	33.2	31.8	30.1	27.8	25.6	23.3	21.4	19.4	18.1	16.7	15.6
Non-Hispanic White	18.3	17.9	17.3	16.7	16.3	15.8	14.9	14.0	12.9	11.8	10.9	9.9	9.2	8.1
Non-Hispanic Black	67.5	64.8	63.7	61.5	59.3	56.0	50.5	45.3	39.9	35.5	30.9	28.5	25.7	24.9
Wilmington									57.9	52.3	46.0	43.3	38.1	36.4
Non-Hispanic White									46.1	43.4	37.9	33.3	22.6	17.3
Non-Hispanic Black									57.9	52.5	46.4	43.3	39.9	39.3
<b>Sussex</b>	58.9	60.1	60.7	58.6	54.7	49.9	44.5	39.7	36.1	33.0	30.6	28.9	26.6	25.6
Non-Hispanic White	39.1	38.3	38.2	36.9	36.3	33.9	33.2	31.0	29.1	26.0	23.1	19.9	17.4	14.5
Non-Hispanic Black	91.3	94.2	93.9	93.0	83.7	78.2	65.6	61.0	52.6	48.6	45.2	45.1	40.8	42.9
<b>Teens 15-17</b>														
<b>U.S.</b>	21.9	21.7	21.5	21.0	20.3	19.1	17.6	15.8	14.0	12.5	11.2	9.9	9.0	8.1
<b>Delaware</b>	23.7	23.4	22.8	21.2	19.8	18.2	16.1	14.3	12.8	11.3	10.1	9.6	8.6	8.0
<b>Kent</b>	23.1	22.4	21.7	20.6	19.3	17.8	16.5	14.7	12.8	10.6	9.9	9.7	8.7	8.1
<b>New Castle</b>	22.6	22.0	21.3	20.0	18.7	17.1	15.0	13.3	12.0	10.6	9.2	8.4	7.4	6.8
<b>Sussex</b>	27.9	28.6	28.7	25.9	24.2	22.3	19.3	16.9	15.1	13.8	12.9	13.1	12.1	11.4
<b>Teens 18-19</b>														
<b>U.S.</b>	70.0	69.9	69.6	68.6	66.6	63.2	59.3	55.1	51.0	47.5	44.1	40.9	37.9	35.3
<b>Delaware</b>	63.0	62.4	62.1	61.2	58.3	55.0	51.7	48.3	45.2	42.5	40.4	38.3	35.9	33.6
<b>Kent</b>	71.0	70.8	68.3	65.0	59.9	56.5	52.8	49.5	47.9	44.9	44.9	42.1	39.3	34.9
<b>New Castle</b>	50.8	49.3	49.1	48.7	47.3	45.4	43.3	40.9	38.1	36.1	33.9	32.6	30.6	28.6
<b>Sussex</b>	112.3	114.3	116.2	115.3	107.8	98.0	87.7	77.0	69.0	62.1	56.7	52.2	48.4	47.3

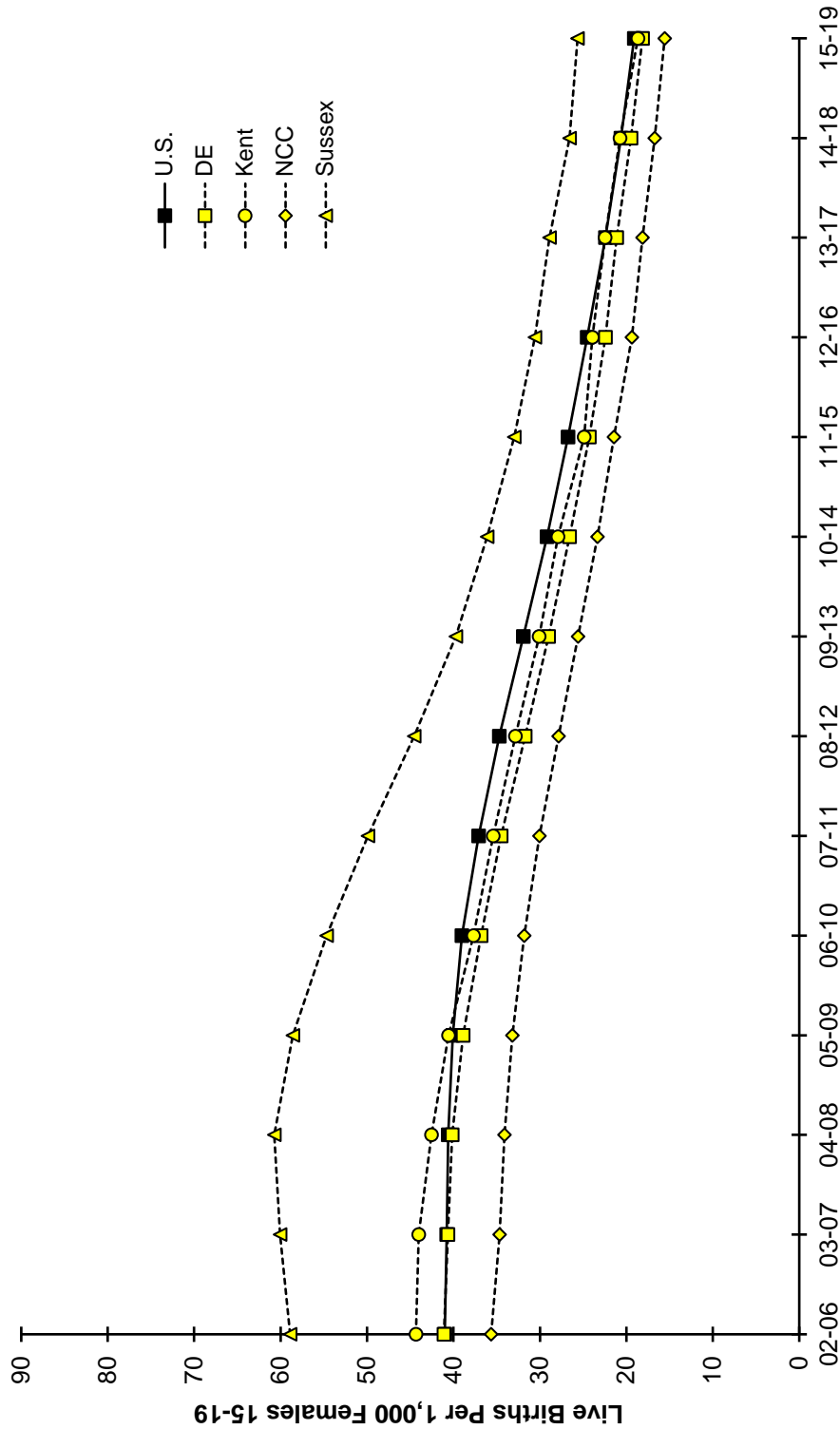
*Notes:*

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*

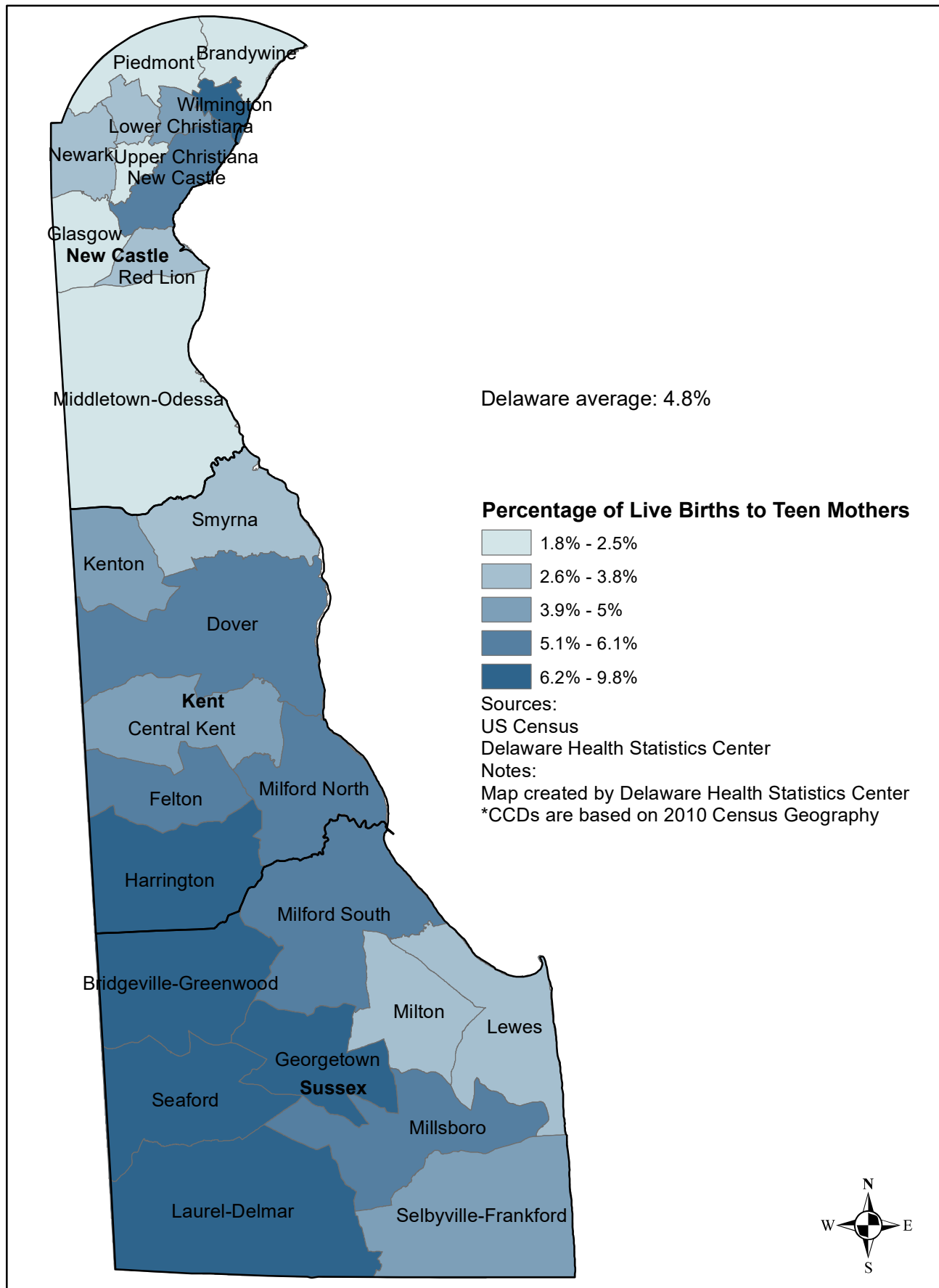
**Figure C-1. Five-Year Average Teenage (15-19) Live Birth Rates, U.S., Delaware and Counties, 2002-2019**



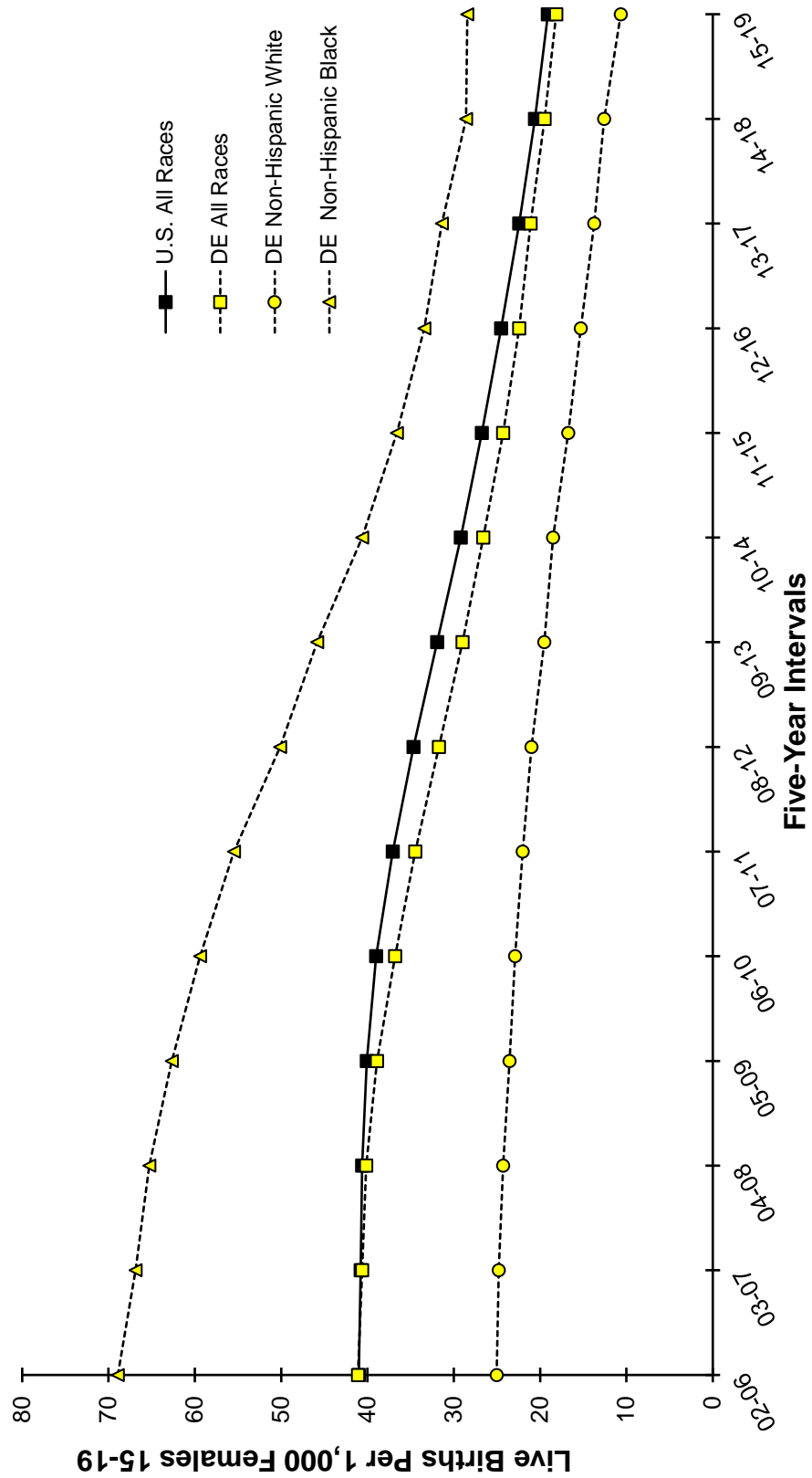
**Five-Year Intervals**

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 Percentage of Live Births to Teens (15-19) by Census County Division\*, Delaware, 2015-2019

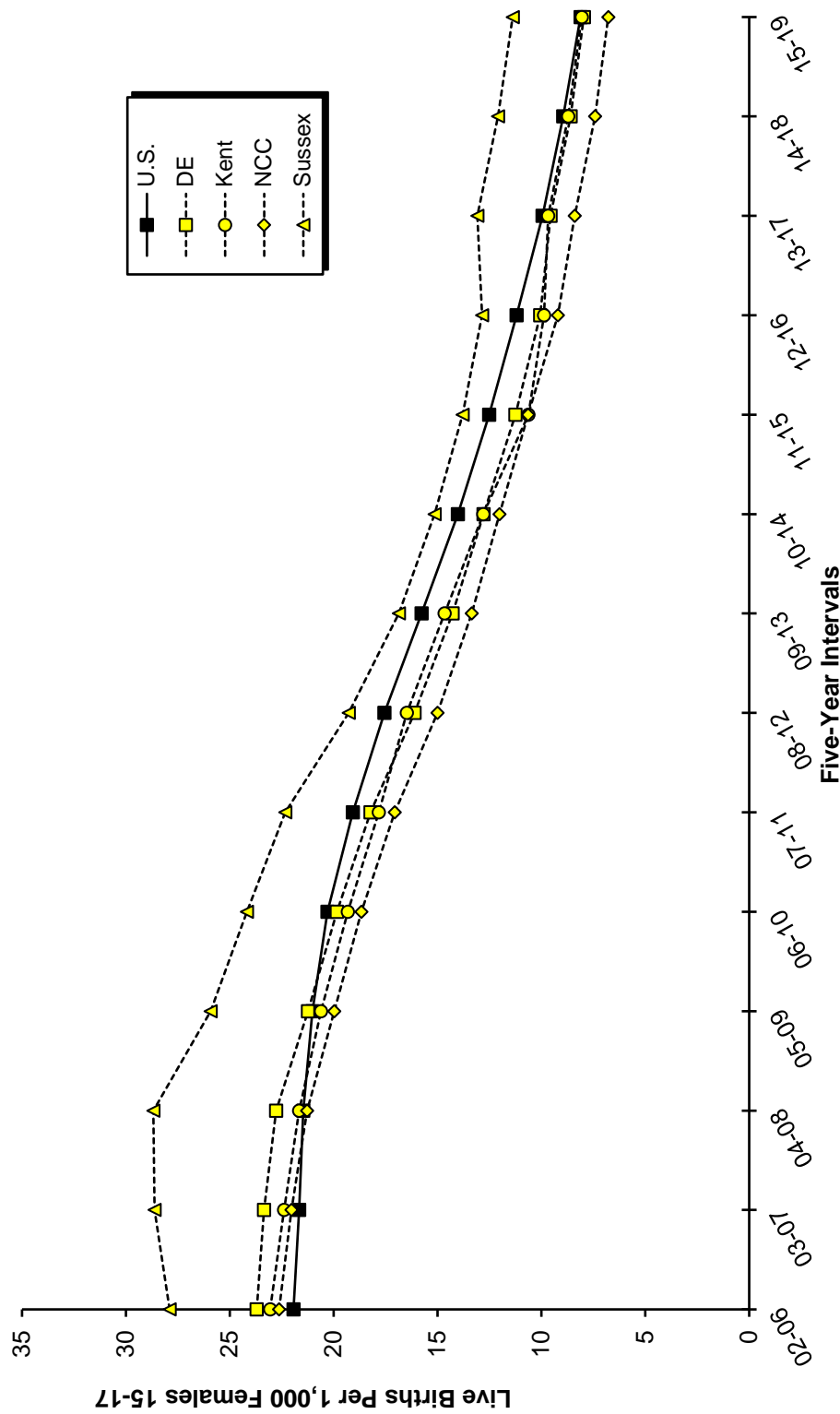


**Figure C-3. Five-Year Average Teenage (15-19) Live Birth Rates by Race, U.S. and Delaware, 2002-2019**



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

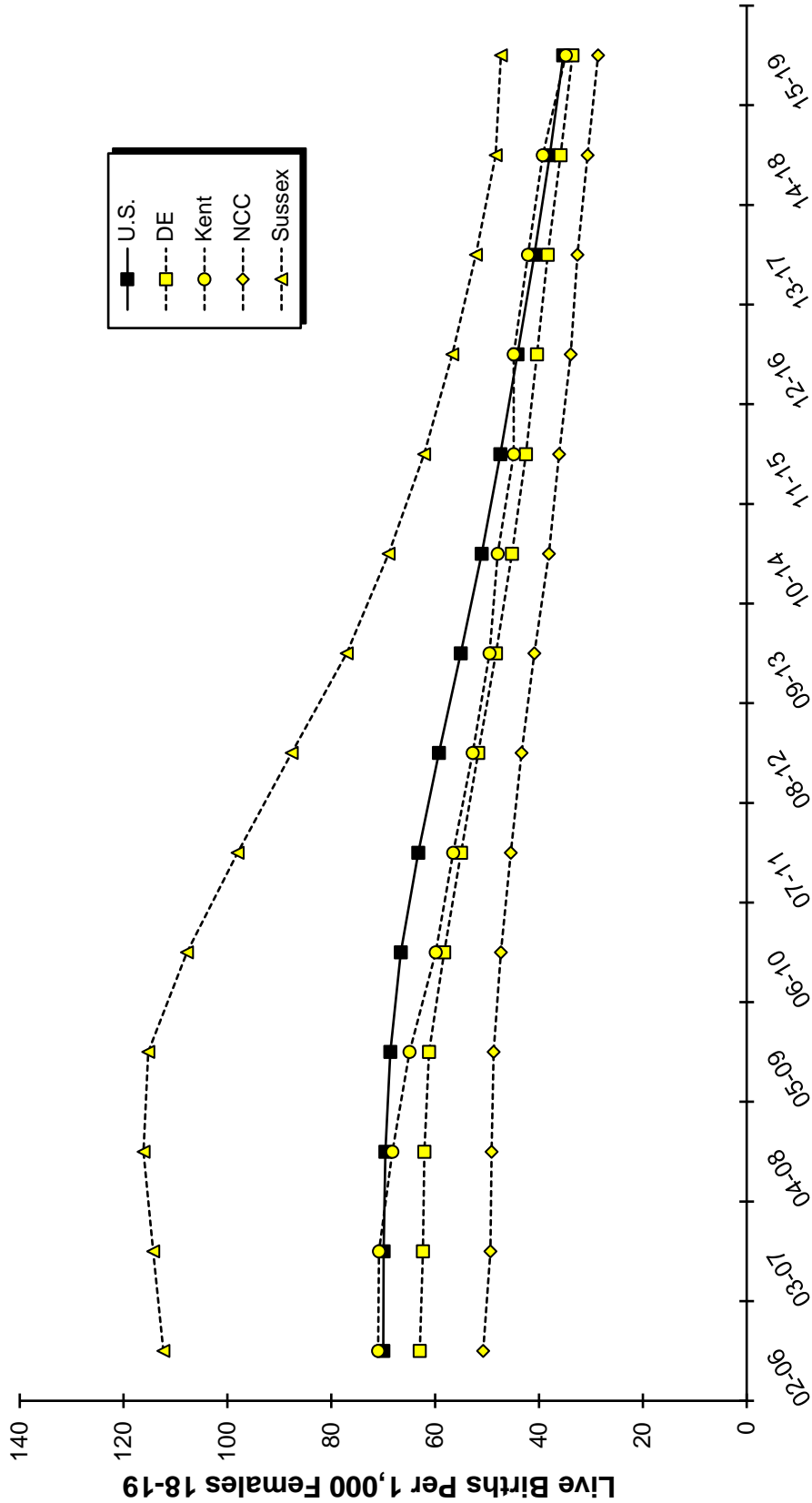
**Figure C-4 Five-Year Average Teenage (15-17) Live Birth Rates, U.S., Delaware and Counties, 2002-2019**



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, 2002-2019**



**Five-Year Intervals**

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, 2002-2019**

ALL RACES

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>														
General	66.5	67.4	67.8	67.8	67.3	66.2	64.9	63.7	63.1	62.8	62.6	62.1	61.4	60.4
10-14	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.4	0.4	0.3	0.3	0.2	0.2	0.2
15-19	41.0	40.8	40.6	40.1	39.0	37.1	34.7	31.9	29.2	26.7	24.5	22.4	20.6	19.1
20-24	102.8	103.3	103.2	102.1	99.6	95.5	91.0	86.8	83.4	81.0	78.8	76.4	73.9	71.2
25-29	116.5	117.2	116.8	115.8	114.1	111.9	109.6	107.7	106.6	105.9	104.8	103.1	101.1	98.4
30-34	96.0	97.6	98.3	98.6	98.5	97.9	97.3	97.0	97.7	98.8	100.1	100.7	101.1	100.4
35-39	45.0	46.2	46.8	46.9	46.8	46.7	46.9	47.3	48.3	49.5	50.6	51.5	52.1	52.4
40-44	8.9	9.2	9.4	9.6	9.8	10.0	10.1	10.3	10.4	10.5	10.8	11.0	11.3	11.6
45-49**	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9
<b>Delaware</b>														
General	64.8	65.6	66.0	65.8	65.3	64.6	63.4	62.1	61.7	61.6	61.3	61.0	60.6	59.6
10-14	0.8	0.7	0.7	0.7	0.7	0.6	0.6	0.4	0.4	0.4	0.4	0.3	0.3	0.1
15-19	41.1	40.6	40.2	38.9	36.8	34.5	31.7	29.0	26.6	24.3	22.4	21.1	19.5	18.1
20-24	102.5	102.4	100.9	98.9	95.9	91.5	86.2	80.8	76.1	72.9	70.1	68.2	67.4	66.5
25-29	110.3	112.2	115.0	115.8	116.1	115.7	113.7	111.0	110.4	108.8	106.0	104.0	100.0	99.5
30-34	95.0	95.8	94.9	94.9	95.6	96.3	97.1	98.6	100.5	102.0	103.6	104.2	105.4	101.9
35-39	42.1	43.4	44.8	45.0	45.4	45.9	46.4	46.2	47.2	48.8	49.5	49.8	50.5	50.7
40-44	7.9	8.2	8.4	8.3	8.5	8.7	8.7	8.9	9.3	9.5	9.6	9.8	10.2	10.1
45-49**	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.5	0.6	0.7	0.7	0.8	0.9
<b>Kent</b>														
General	67.5	68.3	68.3	68.6	68.0	67.0	66.3	65.3	65.0	64.6	64.6	64.0	63.4	61.9
10-14	0.9	0.8	0.8	0.6	0.4	0.4	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.2
15-19	44.3	44.0	42.6	40.6	37.7	35.4	32.8	30.1	27.9	24.9	23.9	22.4	20.7	18.7
20-24	131.7	129.8	123.2	121.0	116.1	110.0	103.5	98.0	92.2	89.4	87.6	86.7	86.9	84.4
25-29	117.8	121.1	123.9	126.8	127.9	128.1	125.4	123.4	122.6	120.1	117.9	114.4	110.2	105.2
30-34	81.0	81.7	82.5	84.0	85.2	86.5	89.6	91.6	94.4	95.7	96.1	96.0	97.0	96.1
35-39	33.3	33.4	35.8	35.9	36.3	35.2	37.4	36.5	38.3	40.9	42.2	42.2	42.7	43.1
40-44	7.2	7.4	7.3	7.3	7.3	7.0	7.3	7.6	7.7	7.6	8.3	8.6	8.8	9.5
45-49**	0.3	0.3	0.3	0.3	0.4	0.6	0.6	0.7	0.6	0.5	0.5	0.7	0.7	0.9
<b>New Castle</b>														
General	62.0	62.4	62.6	62.2	61.7	61.2	59.9	58.8	58.5	58.4	57.8	57.9	57.5	56.7
10-14	0.7	0.6	0.6	0.7	0.7	0.6	0.6	0.5	0.4	0.3	0.4	0.3	0.3	0.2
15-19	35.6	34.6	34.1	33.2	31.8	30.1	27.8	25.6	23.3	21.4	19.4	18.1	16.7	15.6
20-24	82.1	81.2	80.0	78.4	76.3	73.0	68.8	64.6	61.0	58.3	55.6	54.8	54.7	54.9
25-29	105.2	105.8	108.0	108.3	108.0	107.7	106.0	103.2	102.6	100.5	96.7	93.9	88.9	84.6
30-34	100.2	101.3	100.6	100.3	100.8	101.8	101.6	102.5	104.0	105.6	107.0	108.3	109.2	108.8
35-39	47.0	48.8	49.7	49.6	49.8	50.6	50.5	50.7	51.4	52.3	52.6	52.7	53.3	53.2
40-44	8.4	8.9	9.2	9.1	9.3	9.7	9.3	9.5	9.9	10.2	10.3	10.6	10.9	10.8
45-49**	0.5	0.5	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.8	0.9	0.8	1.0
<b>Wilmington</b>														
General	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	68.0	67.4	66.3	66.4	64.7	62.8
10-14	1.0	0.9	0.9	0.9	0.9	0.8	0.6	0.5	0.4	0.5	0.5	0.5	0.4	0.5
15-19	58.9	60.1	60.7	58.6	54.7	49.9	44.5	39.7	36.1	33.0	30.6	28.9	26.6	25.6
20-24	161.2	164.7	165.7	160.0	153.7	145.8	137.5	127.6	120.3	113.4	107.5	97.7	90.9	85.7
25-29	122.5	127.3	131.8	131.5	132.7	130.8	128.3	124.6	124.1	125.0	125.7	129.1	130.4	130.3
30-34	88.7	89.0	86.0	86.1	87.1	86.8	88.8	92.1	94.5	95.8	99.7	99.2	101.2	100.9
35-39	33.1	34.1	36.6	38.1	39.4	40.4	41.7	41.0	42.2	45.2	46.6	47.7	49.1	50.2
40-44	6.8	6.5	6.5	6.6	6.6	7.0	7.8	8.2	8.7	8.8	8.8	8.6	9.2	9.6
45-49**	0.5	0.4	0.3	0.5	0.4	0.5	0.6	0.6	0.3	0.4	0.6	0.5	0.7	0.9

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, 2002-2019**

**NON-HISPANIC WHITE**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>														
General	47.5	47.7	47.6	47.3	49.2	51.0	52.9	55.3	58.4	58.5	58.4	58.1	57.6	56.7
10-14	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15-19	21.5	21.1	20.9	20.5	21.0	21.1	20.9	20.6	20.2	18.7	17.2	15.8	14.5	13.3
20-24	66.3	66.1	65.7	64.9	66.3	67.1	67.7	68.5	70.0	68.1	66.3	64.2	62.1	59.8
25-29	86.6	86.7	86.1	85.2	88.3	91.4	94.7	98.7	103.9	103.2	101.9	100.0	97.8	95.0
30-34	77.4	77.5	77.1	76.7	80.3	84.4	88.8	94.0	100.5	101.6	102.7	103.2	103.4	102.5
35-39	36.4	36.9	36.9	36.4	37.4	38.7	40.4	42.9	46.4	47.6	48.6	49.3	49.9	50.0
40-44	6.9	7.1	7.1	7.2	7.5	7.9	8.3	8.6	9.0	9.0	9.1	9.3	9.5	9.7
45-49**	0.4	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
<b>Delaware</b>														
General	56.7	56.9	57.1	57.0	57.3	57.5	57.6	57.3	57.4	57.1	56.8	55.7	54.7	53.1
10-14	0.2	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
15-19	25.0	24.8	24.3	23.5	22.9	22.0	21.0	19.5	18.5	16.8	15.3	13.7	12.6	10.7
20-24	75.7	74.6	73.0	72.0	70.7	68.3	65.5	62.3	59.2	56.2	54.1	52.1	50.7	48.7
25-29	102.4	103.4	106.0	107.8	109.0	109.7	109.2	107.0	106.3	103.0	99.3	94.4	89.1	83.5
30-34	101.4	101.1	99.4	98.5	100.0	101.7	103.8	106.2	107.9	108.5	109.3	108.0	106.9	104.9
35-39	43.1	44.4	46.1	46.1	46.7	46.9	47.1	46.9	47.2	48.4	48.4	47.8	47.6	47.3
40-44	7.6	7.6	7.7	7.4	7.6	8.1	8.4	8.7	8.9	8.9	8.9	8.8	8.7	8.7
45-49**	0.4	0.4	0.4	0.5	0.6	0.5	0.6	0.6	0.5	0.5	0.6	0.7	0.6	0.7
<b>Kent</b>														
General	66.5	67.0	67.4	68.1	68.0	67.7	68.0	67.0	67.1	66.5	65.8	64.0	63.1	60.2
10-14	0.3	0.3	0.2	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1
15-19	35.8	36.5	35.2	34.0	32.2	31.6	28.9	25.6	24.8	21.7	19.4	17.6	16.6	13.2
20-24	136.5	132.6	126.6	124.6	119.3	111.5	107.0	102.5	98.0	94.8	94.6	92.0	88.5	81.7
25-29	120.0	123.8	126.6	130.6	132.4	133.3	131.0	128.7	128.4	125.5	124.5	122.4	122.2	118.1
30-34	86.8	86.0	86.5	87.4	88.5	90.8	95.9	97.7	100.7	102.6	101.4	98.3	98.6	95.8
35-39	34.4	34.6	36.7	36.9	37.5	36.2	38.2	36.9	37.1	38.5	38.5	37.6	37.6	37.6
40-44	6.9	7.0	7.0	6.8	6.6	6.5	6.8	7.2	7.4	7.4	7.7	7.7	7.2	7.4
45-49**	0.3	0.4	0.3	0.4	0.4	0.6	0.6	0.6	0.5	0.4	0.4	0.6	0.5	0.6
<b>New Castle</b>														
General	53.5	53.4	53.2	52.7	53.0	53.5	53.3	53.3	53.3	52.9	52.4	51.5	50.1	48.6
10-14	0.2	0.2	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
15-19	18.3	17.9	17.3	16.7	16.3	15.8	14.9	14.0	12.9	11.8	10.9	9.9	9.2	8.1
20-24	51.2	49.7	48.2	47.4	46.7	46.3	44.1	42.0	39.8	37.4	35.0	34.3	33.4	32.5
25-29	96.4	96.0	97.2	98.3	98.8	99.7	99.2	97.1	95.5	90.6	84.4	77.3	69.9	63.6
30-34	109.7	109.9	108.8	107.4	109.2	111.4	112.7	114.5	115.7	116.1	116.7	115.6	113.5	110.9
35-39	49.6	51.6	52.9	52.7	53.2	53.9	53.7	54.8	55.4	55.7	55.5	54.2	52.8	51.8
40-44	8.2	8.4	8.6	8.4	8.8	9.5	9.5	9.6	9.9	10.0	9.9	10.0	9.9	9.8
45-49**	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.8
<b>Wilmington</b>														
General	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	62.5	63.1	63.3	62.9	59.4
10-14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.7	0.7	0.7	0.6	0.6
15-19	39.1	38.3	38.2	36.9	36.3	33.9	33.2	31.0	29.1	26.0	23.1	19.9	17.4	14.5
20-24	122.6	122.7	121.7	118.1	116.0	109.3	106.4	101.6	96.6	91.3	86.5	76.3	70.0	65.3
25-29	105.5	107.5	114.0	115.0	116.8	116.0	116.9	113.7	115.0	116.6	119.0	121.4	121.8	120.1
30-34	87.8	86.9	82.1	81.9	83.3	83.4	85.5	90.5	92.6	92.7	96.8	96.7	97.6	97.9
35-39	31.1	32.2	34.8	36.0	37.0	37.6	37.7	35.3	35.4	39.0	39.4	41.0	43.3	44.6
40-44	6.2	5.9	5.5	5.4	5.3	5.7	6.5	7.3	7.7	7.6	7.5	6.9	6.9	7.1
45-49**	0.2	0.2	0.2	0.4	0.4	0.4	0.4	0.4	0.2	0.3	0.5	0.4	0.6	0.7

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, 2002-2019**

**NON-HISPANIC BLACK**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>														
General	64.0	64.5	64.9	65.0	65.6	65.3	64.8	64.5	64.5	64.1	63.7	63.4	62.9	62.3
10-14	1.5	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.6	0.5	0.5
15-19	59.3	58.2	57.3	56.1	55.3	53.1	50.3	46.8	43.2	39.2	35.6	32.4	29.8	28.1
20-24	122.2	122.4	122.6	121.7	121.2	118.3	114.8	111.4	108.5	105.2	102.0	99.2	96.3	93.4
25-29	98.2	99.3	99.9	99.8	100.5	100.2	99.9	100.3	101.4	101.3	101.1	100.7	99.6	98.2
30-34	64.3	65.6	66.7	67.6	69.2	70.2	71.3	72.8	75.0	76.7	78.5	80.3	81.7	82.3
35-39	31.9	32.6	33.0	33.4	34.1	34.8	35.7	36.9	38.7	40.2	41.6	43.0	44.4	45.4
40-44	7.5	7.7	7.8	8.0	8.3	8.5	8.8	9.1	9.5	9.8	10.1	10.5	11.0	11.5
45-49**	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.9	1.0	1.0
<b>Delaware</b>														
General	70.7	72.0	72.6	72.8	73.0	72.7	71.0	69.8	68.3	67.8	67.0	66.9	66.3	66.1
10-14	1.7	1.5	1.6	1.5	1.5	1.4	1.3	1.0	1.0	0.9	0.8	0.7	0.8	0.6
15-19	68.9	66.9	65.3	62.7	59.4	55.5	50.1	45.8	40.6	36.6	33.4	31.4	28.6	28.4
20-24	146.6	145.7	143.2	139.9	137.7	134.2	128.1	121.0	112.9	106.5	99.8	94.4	91.0	90.2
25-29	109.2	113.0	117.9	120.0	121.4	123.0	118.2	116.0	115.3	112.5	114.1	114.1	109.6	106.3
30-34	67.5	71.2	72.0	75.7	77.9	80.4	81.9	84.2	86.2	89.0	91.6	92.7	94.3	93.8
35-39	34.0	36.1	36.3	37.4	39.3	40.7	41.9	43.8	45.3	47.5	49.1	49.8	51.4	52.3
40-44	7.3	8.0	8.8	9.0	9.2	9.2	8.9	8.7	8.6	8.8	9.3	9.9	10.8	11.6
45-49**	0.5	0.4	0.5	0.6	0.7	0.6	0.6	0.6	0.6	0.4	0.5	0.7	0.8	1.0
<b>Kent</b>														
General	69.2	70.6	69.6	69.6	69.4	68.5	66.8	66.0	65.3	65.3	66.4	67.9	67.7	67.9
10-14	2.2	2.0	1.9	1.3	0.8	0.8	0.4	0.3	0.4	0.7	0.7	0.8	1.0	0.8
15-19	58.8	56.1	53.3	49.4	46.9	42.5	41.3	39.2	36.1	32.9	34.2	32.1	30.5	31.3
20-24	126.3	127.6	119.2	117.4	113.8	109.8	100.4	92.6	85.4	82.6	79.8	81.7	87.2	91.7
25-29	116.2	120.8	124.9	128.5	127.7	129.7	127.6	125.0	120.2	117.5	110.4	102.7	91.5	84.7
30-34	62.1	66.6	69.3	73.9	78.6	81.3	81.5	84.6	89.4	89.5	93.4	99.7	101.6	102.3
35-39	28.4	29.7	30.8	30.6	32.3	33.1	36.3	39.5	44.6	50.0	54.9	57.1	57.7	58.4
40-44	7.2	7.8	7.9	8.4	9.5	9.1	8.2	8.4	8.3	7.2	8.4	10.5	11.6	13.2
45-49**	0.4	0.2	0.2	0.0	0.6	0.9	0.9	1.1	1.3	0.7	0.6	1.0	0.9	1.0
<b>New Castle</b>														
General	69.4	70.2	71.2	71.6	72.0	71.8	70.3	68.8	67.0	66.6	65.1	64.5	63.7	63.6
10-14	1.3	1.2	1.3	1.3	1.4	1.3	1.3	0.9	1.0	0.8	0.8	0.6	0.7	0.6
15-19	67.5	64.8	63.7	61.5	59.3	56.0	50.5	45.3	39.9	35.5	30.9	28.5	25.7	24.9
20-24	144.8	141.5	140.4	137.4	132.8	132.8	128.8	123.1	114.8	108.2	99.8	91.3	85.6	84.1
25-29	105.6	108.6	114.4	116.5	118.3	119.9	117.3	115.1	113.6	113.6	111.7	115.7	113.2	111.9
30-34	72.0	75.6	76.3	80.3	81.5	83.4	84.4	86.6	87.6	90.6	92.6	92.3	93.3	92.1
35-39	36.5	38.7	38.9	40.1	41.8	43.7	44.4	44.9	45.4	47.2	47.7	48.2	50.4	51.8
40-44	7.6	8.5	9.4	9.5	9.5	9.5	9.1	9.0	9.0	9.5	9.8	10.3	11.0	11.3
45-49**	0.4	0.4	0.6	0.7	0.7	0.6	0.6	0.5	0.4	0.4	0.6	0.8	0.8	1.1
<b>Wilmington</b>														
General	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	68.3	67.9	66.3	65.2	64.1	63.1
10-14	2.5	2.2	2.5	2.5	2.8	3.0	2.6	2.4	2.2	1.7	1.1	0.9	0.9	0.7
15-19	91.3	94.2	93.9	93.0	83.7	78.2	65.6	61.0	52.6	48.6	45.2	45.1	40.8	42.9
20-24	192.7	200.5	204.4	198.5	192.8	194.3	189.0	180.6	174.4	161.0	152.5	142.5	129.1	120.7
25-29	119.3	126.4	126.6	125.5	128.4	129.3	125.0	124.1	122.2	120.6	120.5	129.2	133.0	131.1
30-34	50.0	53.3	51.3	52.1	55.5	60.8	67.4	69.8	73.7	79.0	83.7	83.9	89.0	89.6
35-39	27.5	29.7	28.3	30.7	35.1	34.7	35.0	44.3	45.6	45.6	48.6	48.0	46.9	45.6
40-44	6.1	5.7	6.6	6.8	6.6	7.3	8.5	7.4	6.8	7.1	7.3	6.3	8.6	11.0
45-49**	1.1	0.7	0.4	0.9	0.4	0.6	0.6	0.6	0.2	0.2	0.2	0.2	0.7	0.9

**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.

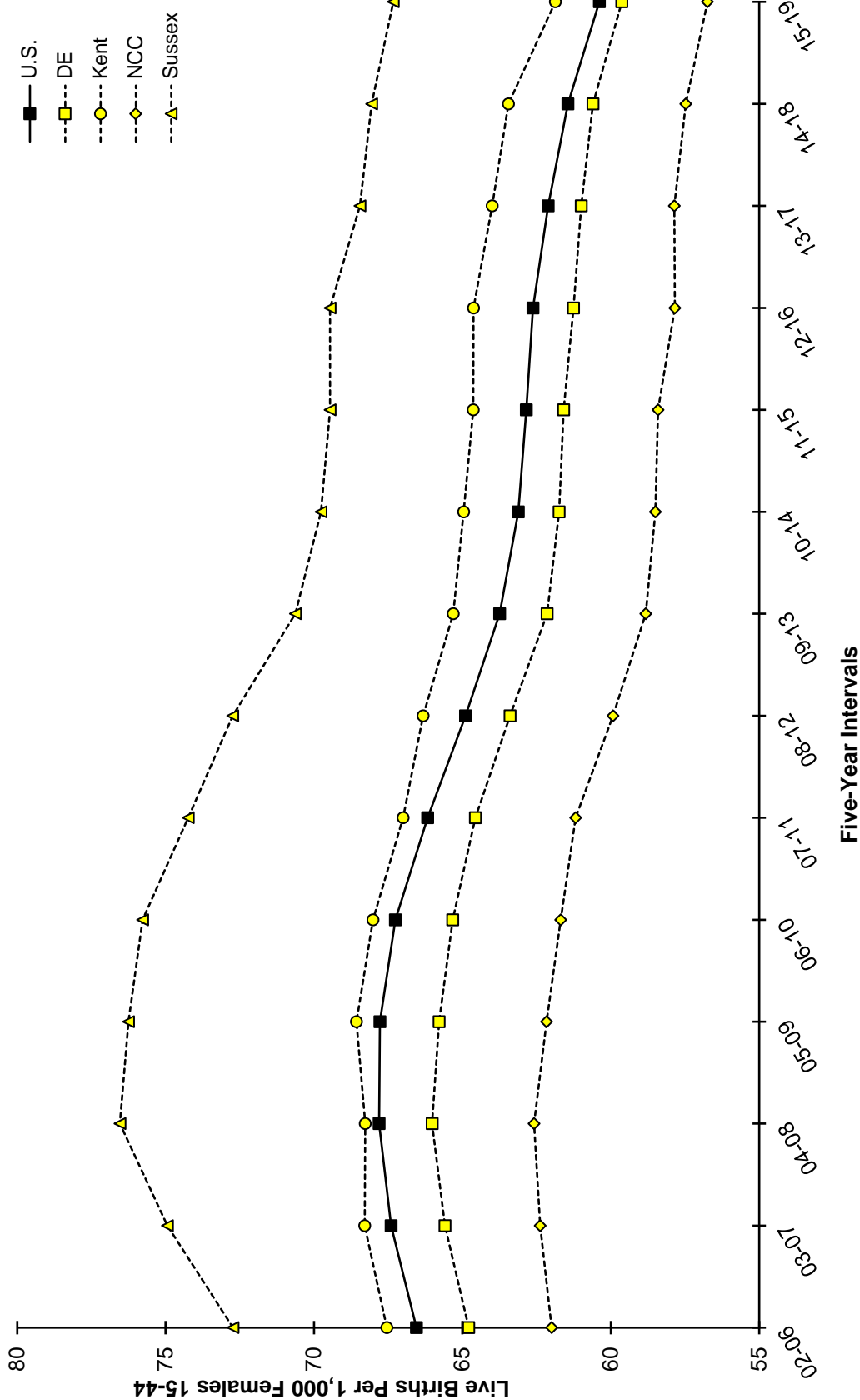
\*\* The number of births shown is the total for women aged 45-54 years. The birth rate is computed by dividing births to women aged

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

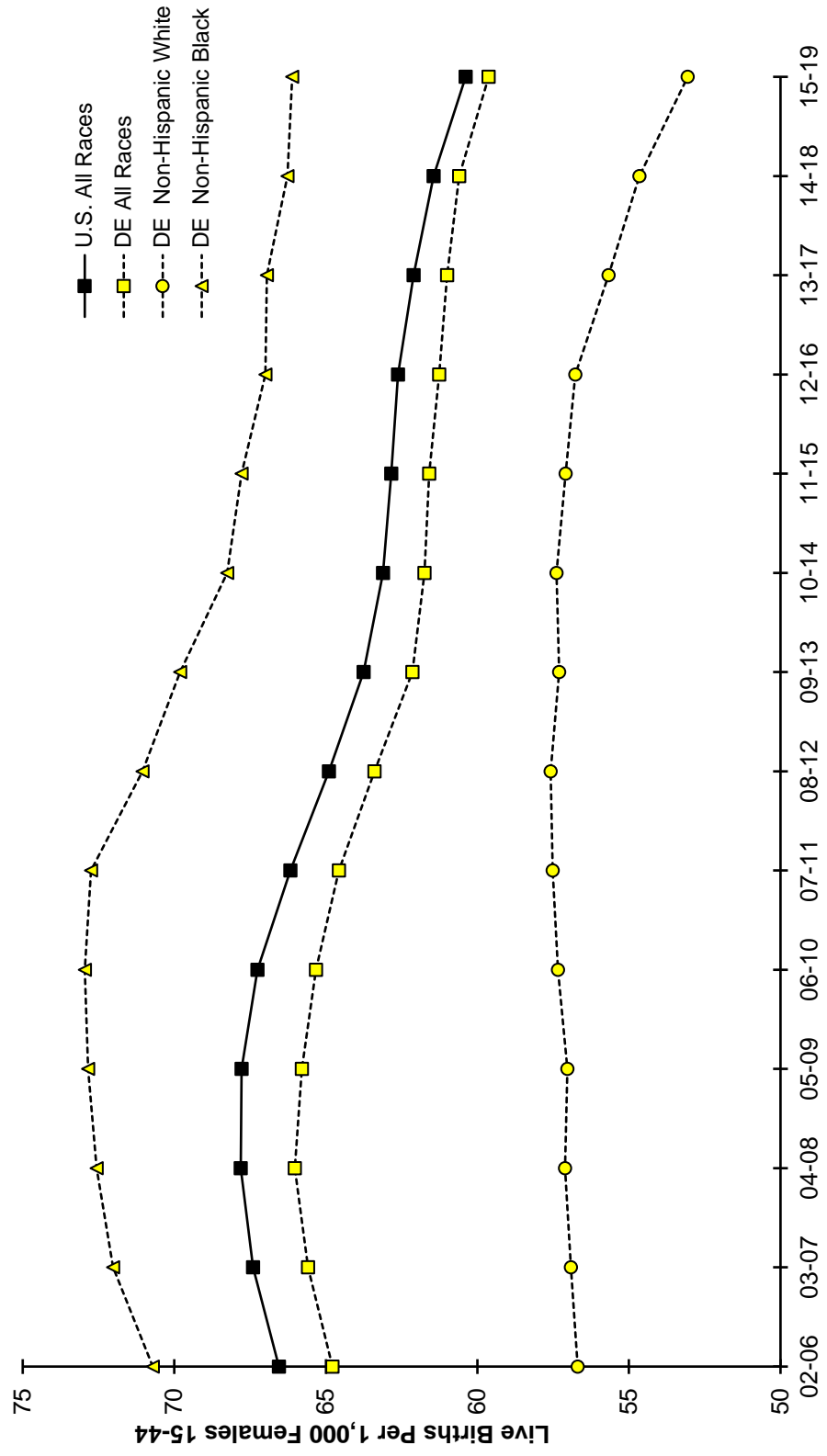
Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-6. Five-Year Average General Fertility Rates, U.S., Delaware, and Counties, 2002-2019**



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

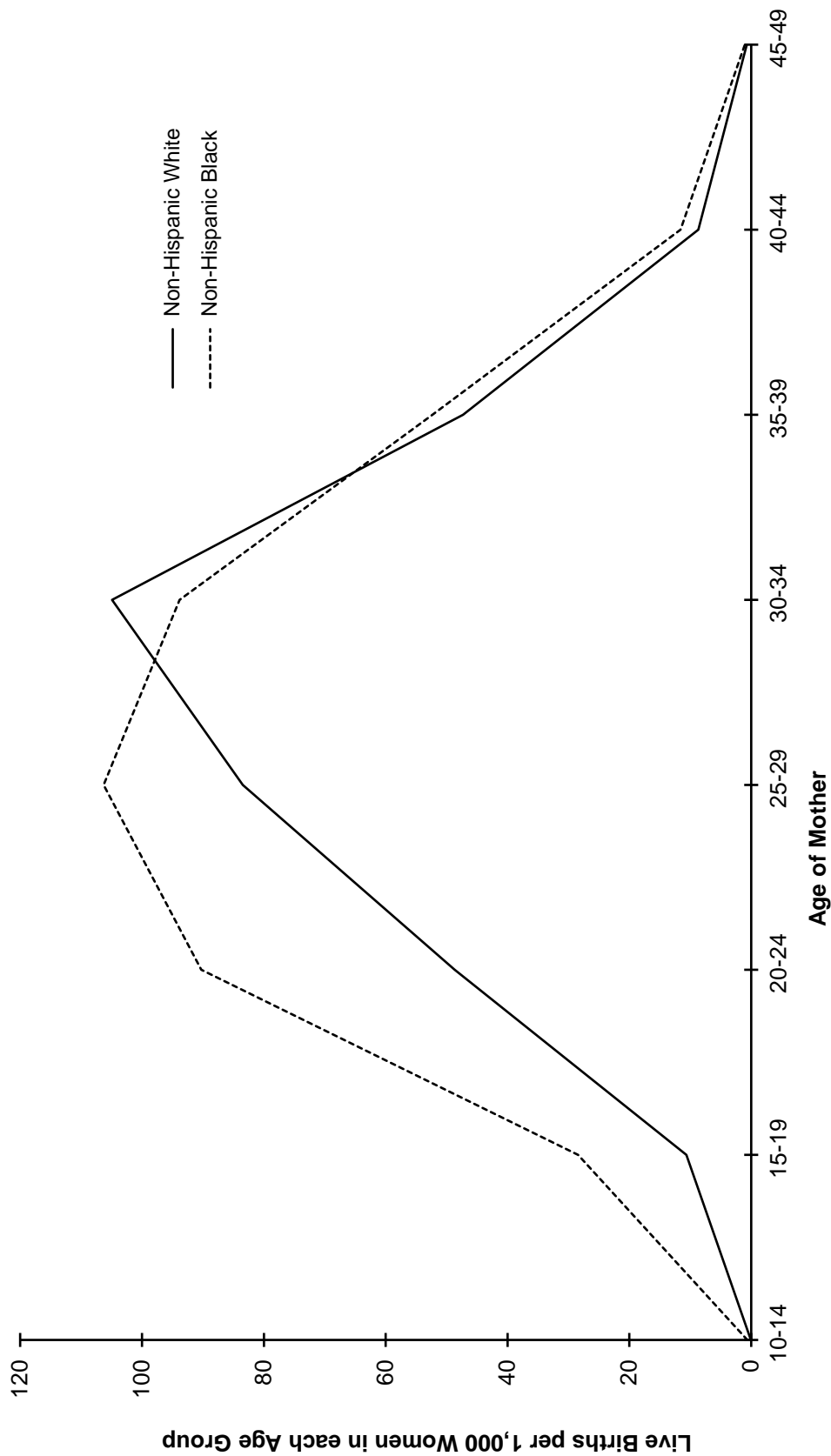
**Figure C-7. Five-Year Average General Fertility Rates by Race, U.S., and Delaware, 2002-2019**



**Five-Year Intervals**

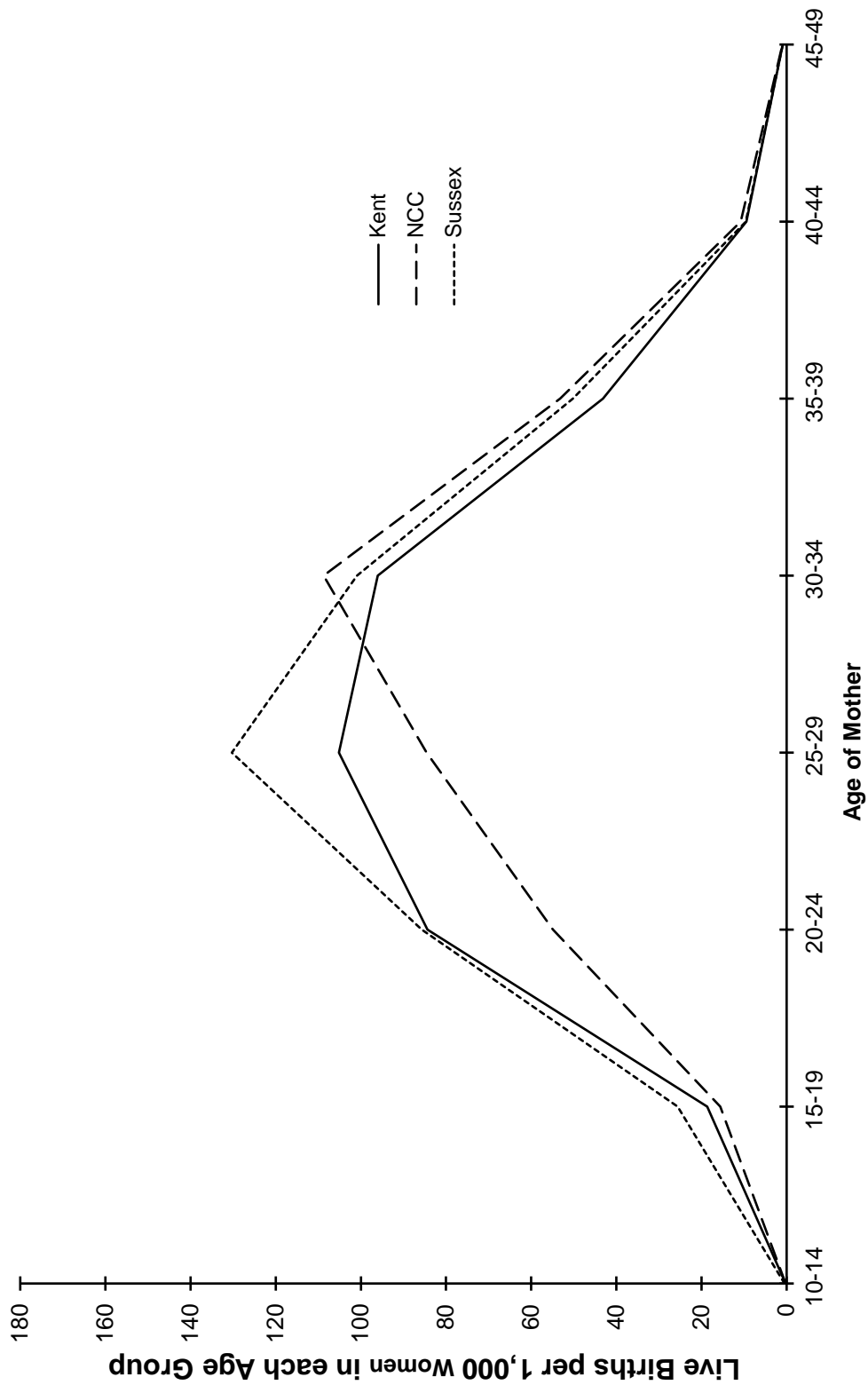
Sources: National Center for Health Statistics  
 Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-8. Five-Year Average Age-Specific Live Birth Rates by Race, Delaware, 2015-2019**



Sources: 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, 2015-2019**



Sources: 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, 2019**

Area/ Age	All	Non-Hispanic									Hispanic Origin
		White	Black	American Indian*	Asian or Pacific Islander (API)					Other/ Unknown	
					Chinese	Japanese	Hawaiian	Filipino	Other API		
<b>Delaware</b>	10,328	4,857	2,856	62	116	9	4	65	469	138	1,752
<15	6	0	2	0	0	0	0	0	0	0	4
15-17	115	16	54	1	0	0	0	0	1	4	39
18-19	324	64	163	3	0	0	0	0	1	4	89
20-24	1,810	653	661	17	2	0	2	4	32	33	406
25-29	3,129	1,494	854	18	22	1	2	22	156	27	533
30-34	3,080	1,701	649	15	68	4	0	15	183	37	408
35-39	1,517	774	373	8	18	3	0	21	87	26	207
40+	347	155	100	0	6	1	0	3	9	7	66
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2,044	1,059	638	22	3	3	2	31	37	29	220
<15	0	0	0	0	0	0	0	0	0	0	0
15-17	19	7	10	0	0	0	0	0	0	1	1
18-19	56	12	33	1	0	0	0	0	0	1	9
20-24	433	198	149	6	0	0	1	2	9	10	58
25-29	671	365	195	5	1	0	1	15	9	5	75
30-34	563	326	156	8	1	0	0	4	10	6	52
35-39	238	122	74	2	0	2	0	8	7	3	20
40+	64	29	21	0	1	1	0	2	2	3	5
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6,016	2,555	1,838	31	109	5	2	25	415	60	976
<15	2	0	1	0	0	0	0	0	0	0	1
15-17	59	5	32	0	0	0	0	0	1	2	19
18-19	157	27	90	1	0	0	0	0	0	1	38
20-24	915	240	406	8	2	0	1	1	23	16	218
25-29	1,763	714	559	10	20	1	1	7	140	13	298
30-34	1,935	1,004	419	6	65	3	0	6	171	16	245
35-39	974	474	266	6	17	1	0	11	73	9	117
40+	211	91	65	0	5	0	0	0	7	3	40
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Wilmington</b>	826	162	514	7	2	0	0	0	4	6	131
<15	1	0	1	0	0	0	0	0	0	0	0
15-17	24	0	18	0	0	0	0	0	0	0	6
18-19	47	2	38	0	0	0	0	0	0	0	7
20-24	191	19	125	2	0	0	0	0	1	3	41
25-29	239	42	152	2	0	0	0	0	2	1	40
30-34	198	58	114	2	2	0	0	0	0	1	21
35-39	102	31	58	1	0	0	0	0	1	0	11
40+	24	10	8	0	0	0	0	0	0	1	5
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	5,190	2,393	1,324	24	107	5	2	25	411	54	845
<15	1	0	0	0	0	0	0	0	0	0	1
15-17	35	5	14	0	0	0	0	0	1	2	13
18-19	110	25	52	1	0	0	0	0	0	1	31
20-24	724	221	281	6	2	0	1	1	22	13	177
25-29	1,524	672	407	8	20	1	1	7	138	12	258
30-34	1,737	946	305	4	63	3	0	6	171	15	224
35-39	872	443	208	5	17	1	0	11	72	9	106
40+	187	81	57	0	5	0	0	0	7	2	35
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2,268	1,243	380	9	4	1	0	9	17	49	556
<15	4	0	1	0	0	0	0	0	0	0	3
15-17	37	4	12	1	0	0	0	0	0	1	19
18-19	111	25	40	1	0	0	0	0	1	2	42
20-24	462	215	106	3	0	0	0	1	0	7	130
25-29	695	415	100	3	1	0	0	0	7	9	160
30-34	582	371	74	1	2	1	0	5	2	15	111
35-39	305	178	33	0	1	0	0	2	7	14	70
40+	72	35	14	0	0	0	0	1	0	1	21
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.

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, 2019**

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>	5,451	0	1	7	213	1,064	2,024	1,287	760	95
<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	21	0	1	2	13	4	0	1	0	0
20-24	372	0	0	3	147	143	46	14	7	12
25-29	1,617	0	0	2	42	719	630	151	45	28
30-34	2,125	0	0	0	9	171	1,172	570	179	24
35-39	1,085	0	0	0	2	22	159	513	361	28
40+	231	0	0	0	0	5	17	38	168	3
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	1,055	0	0	2	74	296	367	184	124	8
<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	4	0	0	1	2	1	0	0	0	0
20-24	119	0	0	1	57	48	9	1	2	1
25-29	380	0	0	0	13	192	136	33	4	2
30-34	359	0	0	0	2	50	203	71	31	2
35-39	150	0	0	0	0	5	17	74	52	2
40+	43	0	0	0	0	0	2	5	35	1
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	3,309	0	0	1	87	505	1,317	870	477	52
<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	9	0	0	0	6	2	0	1	0	0
20-24	161	0	0	0	58	55	26	11	3	8
25-29	872	0	0	1	17	356	369	90	26	13
30-34	1,405	0	0	0	5	79	804	395	109	13
35-39	721	0	0	0	1	11	107	350	235	17
40+	141	0	0	0	0	2	11	23	104	1
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Wilmington</b>	221	0	0	0	10	38	76	50	41	6
<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	0	0	0	0	0	0	0	0	0	0
20-24	20	0	0	0	7	10	2	1	0	0
25-29	49	0	0	0	2	22	16	4	2	3
30-34	87	0	0	0	1	5	46	20	14	1
35-39	52	0	0	0	0	1	10	22	17	2
40+	13	0	0	0	0	0	2	3	8	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	3,088	0	0	1	77	467	1,241	820	436	46
<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	9	0	0	0	6	2	0	1	0	0
20-24	141	0	0	0	51	45	24	10	3	8
25-29	823	0	0	1	15	334	353	86	24	10
30-34	1,318	0	0	0	4	74	758	375	95	12
35-39	669	0	0	0	1	10	97	328	218	15
40+	128	0	0	0	0	2	9	20	96	1
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	1,087	0	1	4	52	263	340	233	159	35
<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	8	0	1	1	5	1	0	0	0	0
20-24	92	0	0	2	32	40	11	2	2	3
25-29	365	0	0	1	12	171	125	28	15	13
30-34	361	0	0	0	2	42	165	104	39	9
35-39	214	0	0	0	1	6	35	89	74	9
40+	47	0	0	0	0	3	4	10	29	1
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, 2019**

Area/ Education	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10,328	6	115	324	1,810	3,129	3,080	1,517	347	0
<9	471	5	6	18	81	110	129	90	32	0
9 to 11	913	1	99	99	228	229	156	86	15	0
H.S. Graduate	2,846	0	9	168	891	927	533	252	66	0
1 to 3 College	2,680	0	0	34	520	966	745	329	86	0
4+ College	3,335	0	0	0	77	870	1,496	746	146	0
Unknown	83	0	1	5	13	27	21	14	2	0
<b>Kent</b>	2,044	0	19	56	433	671	563	238	64	0
<9	83	0	0	0	19	18	26	13	7	0
9 to 11	187	0	17	13	58	45	35	16	3	0
H.S. Graduate	563	0	1	34	184	186	109	36	13	0
1 to 3 College	693	0	0	8	156	241	192	73	23	0
4+ College	495	0	0	0	15	170	198	94	18	0
Unknown	23	0	1	1	1	11	3	6	0	0
<b>New Castle</b>	6,016	2	59	157	915	1,763	1,935	974	211	0
<9	141	2	1	4	14	36	41	33	10	0
9 to 11	439	0	53	54	98	106	73	47	8	0
H.S. Graduate	1,621	0	5	79	501	550	295	151	40	0
1 to 3 College	1,404	0	0	16	243	494	414	195	42	0
4+ College	2,364	0	0	0	50	566	1,098	541	109	0
Unknown	47	0	0	4	9	11	14	7	2	0
Wilmington	826	1	24	47	191	239	198	102	24	0
<9	13	1	0	2	1	3	1	4	1	0
9 to 11	127	0	22	19	17	28	24	16	1	0
H.S. Graduate	362	0	2	24	131	121	56	21	7	0
1 to 3 College	163	0	0	2	35	56	43	23	4	0
4+ College	153	0	0	0	7	28	70	37	11	0
Unknown	8	0	0	0	0	3	4	1	0	0
Balance of NC County	5,190	1	35	110	724	1,524	1,737	872	187	0
<9	128	1	1	2	13	33	40	29	9	0
9 to 11	312	0	31	35	81	78	49	31	7	0
H.S. Graduate	1,259	0	3	55	370	429	239	130	33	0
1 to 3 College	1,241	0	0	14	208	438	371	172	38	0
4+ College	2,211	0	0	0	43	538	1,028	504	98	0
Unknown	39	0	0	4	9	8	10	6	2	0
<b>Sussex</b>	2,268	4	37	111	462	695	582	305	72	0
<9	247	3	5	14	48	56	62	44	15	0
9 to 11	287	1	29	32	72	78	48	23	4	0
H.S. Graduate	662	0	3	55	206	191	129	65	13	0
1 to 3 College	583	0	0	10	121	231	139	61	21	0
4+ College	476	0	0	0	12	134	200	111	19	0
Unknown	13	0	0	0	3	5	4	1	0	0

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

**TABLE C-12. NUMBER AND PERCENTAGE OF LIVE BIRTHS BY EDUCATION, RACE, AND HISPANIC ORIGIN OF MOTHER , BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2019**

Area/ Education	Total		Non-Hispanic						Hispanic Origin*	
	Number	Percent	White		Black		Other		Number	Percent
			Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10,328	100	4,857	100	2,856	100	863	100	1,752	100
<9	471	5	80	2	24	1	15	2	352	20
9 to 11	913	9	288	6	312	11	36	4	277	16
H.S. Grad.	2,846	28	1,030	21	1,110	39	130	15	576	33
1 to 3 College	2,680	26	1,348	28	837	29	152	18	343	20
4+ College	3,335	32	2,087	43	541	19	522	60	185	11
Unknown	83	1	24	0	32	1	8	1	19	1
<b>Kent</b>	2,044	100	1,059	100	638	100	127	100	220	100
<9	83	4	60	6	4	1	2	2	17	8
9 to 11	187	9	79	7	65	10	15	12	28	13
H.S. Grad.	563	28	252	24	213	33	26	20	72	33
1 to 3 College	693	34	350	33	229	36	40	31	74	34
4+ College	495	24	310	29	119	19	41	32	25	11
Unknown	23	1	8	1	8	1	3	2	4	2
<b>New Castle</b>	6,016	100	2,555	100	1,838	100	647	100	976	100
<9	141	2	13	1	11	1	8	1	109	11
9 to 11	439	7	92	4	185	10	15	2	147	15
H.S. Grad.	1,621	27	458	18	730	40	69	11	364	37
1 to 3 College	1,404	23	604	24	507	28	89	14	204	21
4+ College	2,364	39	1,376	54	388	21	461	71	139	14
Unknown	47	1	12	0	17	1	5	1	13	1
<b>Wilmington</b>	826	100	162	100	514	100	19	100	131	100
<9	13	2	0	0	5	1	0	0	8	6
9 to 11	127	15	9	6	90	18	3	16	25	19
H.S. Grad.	362	44	30	19	259	50	3	16	70	53
1 to 3 College	163	20	28	17	112	22	6	32	17	13
4+ College	153	19	94	58	43	8	6	32	10	8
Unknown	8	1	1	1	5	1	1	5	1	1
<b>Balance of NC County</b>	5,190	100	2,393	100	1,324	100	628	100	845	100
<9	128	2	13	1	6	0	8	1	101	12
9 to 11	312	6	83	3	95	7	12	2	122	14
H.S. Grad.	1,259	24	428	18	471	36	66	11	294	35
1 to 3 College	1,241	24	576	24	395	30	83	13	187	22
4+ College	2,211	43	1,282	54	345	26	455	72	129	15
Unknown	39	1	11	0	12	1	4	1	12	1
<b>Sussex</b>	2,268	100	1,243	100	380	100	89	100	556	100
<9	247	11	7	1	9	2	5	6	226	41
9 to 11	287	13	117	9	62	16	6	7	102	18
H.S. Grad.	662	29	320	26	167	44	35	39	140	25
1 to 3 College	583	26	394	32	101	27	23	26	65	12
4+ College	476	21	401	32	34	9	20	22	21	4
Unknown	13	1	4	0	7	2	0	0	2	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 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, 2002-2019**

**ALL RACES**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	36.0	37.1	38.3	39.4	40.1	40.6	40.8	40.8	40.6	40.5	40.3	39.2	38.2	37.2
<20	82.5	83.6	84.7	85.6	86.4	87.2	87.9	88.3	88.6	88.8	88.9	87.5	86.2	85.0
20-24	54.8	56.4	57.9	59.3	60.6	61.8	62.9	63.8	64.6	65.2	65.5	64.5	63.4	62.3
25-29	28.1	29.4	30.8	31.9	32.8	33.5	34.1	34.6	35.2	35.9	36.7	36.7	36.6	36.5
30+	16.1	16.9	17.8	18.6	19.4	20.1	20.7	21.2	21.6	22.1	22.4	22.1	21.8	21.5
<b>Delaware</b>	42.9	44.1	45.4	46.4	47.0	47.6	47.7	47.6	47.4	47.2	46.6	46.7	46.6	46.7
<20	91.4	92.1	92.8	93.2	93.3	93.7	93.9	94.0	94.2	94.4	94.5	94.7	94.4	94.5
20-24	68.3	69.6	70.6	71.6	72.7	73.9	74.5	75.0	75.7	76.1	76.0	76.0	76.4	76.8
25-29	34.4	36.3	38.0	39.6	40.6	41.9	42.7	43.6	43.8	44.6	44.8	45.9	46.5	47.5
30+	17.7	18.5	19.8	20.9	21.8	22.9	24.0	24.8	25.7	26.5	26.9	27.8	28.3	28.9
<b>Kent</b>	41.8	42.8	43.6	43.9	44.0	45.0	45.1	45.0	45.0	45.7	45.7	46.2	46.5	47.1
<20	86.1	87.3	88.6	89.0	89.1	90.0	90.3	91.4	91.8	92.5	92.5	92.8	92.4	92.5
20-24	57.1	58.9	60.1	60.9	61.6	63.0	64.2	64.9	66.1	67.8	67.8	67.1	67.6	68.3
25-29	30.6	31.1	32.5	33.1	34.2	35.5	36.9	37.0	37.8	39.6	40.4	41.9	43.0	43.9
30+	17.4	18.5	19.6	20.6	20.9	22.5	22.9	23.8	24.6	25.8	26.6	28.4	29.3	31.3
<b>New Castle</b>	40.4	41.4	42.6	44.0	44.8	45.4	45.7	45.8	45.5	45.1	44.6	44.7	44.7	44.8
<20	93.0	93.5	94.3	94.9	95.1	95.3	95.4	94.9	95.1	95.3	95.4	95.3	95.3	95.6
20-24	72.2	73.5	74.2	75.5	76.8	78.1	78.5	79.1	79.8	80.1	80.4	80.5	81.1	81.4
25-29	33.5	35.6	37.3	39.1	40.3	41.8	42.6	43.7	43.9	44.2	44.5	45.8	46.6	48.1
30+	16.0	16.8	18.0	19.3	20.2	21.2	22.3	23.1	23.9	24.6	25.1	25.9	26.4	26.8
Wilmington	69.9	70.3	71.0	71.6	71.1	70.6	70.1	69.3	68.1	68.2	68.3	68.8	69.3	70.9
<20	96.4	97.0	97.6	98.1	97.9	97.9	97.7	97.5	96.9	97.1	97.2	96.8	96.9	98.0
20-24	86.6	87.6	88.3	89.5	90.0	90.7	90.5	90.8	90.9	91.5	91.0	91.4	90.7	90.7
25-29	62.8	63.4	63.5	65.8	65.4	66.7	67.9	69.7	68.0	69.4	69.4	72.1	73.0	75.9
30+	37.7	38.7	40.5	41.2	40.4	40.1	40.9	40.2	41.2	42.7	45.2	45.8	47.9	49.6
Balance of NC County	34.2	35.4	36.7	38.0	39.2	40.3	40.8	41.2	41.2	40.8	40.2	40.3	40.3	40.3
<20	91.1	91.7	92.6	93.2	93.7	94.1	94.4	93.8	94.3	94.5	94.6	94.7	94.7	94.6
20-24	67.5	68.9	69.7	71.0	72.6	74.3	75.1	76.0	76.9	77.2	77.6	77.6	78.5	78.9
25-29	28.6	30.8	32.6	34.0	35.6	37.2	38.0	39.1	39.8	39.9	40.3	41.3	42.2	43.5
30+	13.3	14.0	15.1	16.3	17.4	18.5	19.7	20.7	21.4	22.0	22.3	23.1	23.5	23.8
<b>Sussex</b>	52.4	53.9	55.3	56.1	56.2	56.6	56.1	55.8	55.4	54.9	53.5	53.3	52.2	51.7
<20	92.0	92.8	93.0	93.0	92.6	93.3	93.2	93.8	94.3	94.1	94.2	94.8	94.2	93.8
20-24	70.3	71.3	72.5	73.4	74.4	75.6	75.9	76.0	76.3	76.0	75.0	75.6	75.7	76.0
25-29	41.3	43.8	45.2	47.4	47.6	48.7	48.8	50.0	49.6	50.7	50.1	50.5	49.7	49.7
30+	26.1	26.6	28.0	28.6	29.5	30.6	31.7	32.2	33.7	34.3	33.8	33.9	33.8	33.6

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-YER AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER, BY COUNTY, CITY OF WILMINGTON, U.S., AND DELAWARE, 2002-2019**

**NON-HISPANIC WHITE**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	24.6	25.6	26.6	27.5	28.2	28.7	29.0	29.1	29.2	29.2	29.2	28.8	28.4	27.9
<20	77.8	79.0	80.0	80.9	81.8	82.8	83.5	84.1	84.6	84.8	85.0	84.8	84.6	84.5
20-24	44.6	46.2	47.7	49.1	50.4	51.6	52.7	53.7	54.6	55.2	55.7	55.6	55.3	54.9
25-29	17.4	18.5	19.7	20.7	21.5	22.2	22.9	23.5	24.2	25.0	25.8	26.3	26.6	26.8
30+	9.2	9.6	10.2	10.7	11.3	11.9	12.5	13.0	13.5	13.9	14.4	14.5	14.6	14.6
<b>Delaware</b>	29.3	30.3	31.3	32.5	33.3	34.2	34.8	35.2	35.5	35.4	35.1	34.9	34.8	34.5
<20	88.3	89.3	90.0	90.5	91.1	91.5	92.0	92.3	92.6	92.4	92.2	91.7	90.8	90.3
20-24	58.3	59.7	60.8	61.7	62.8	64.1	65.0	65.7	67.0	67.5	67.5	67.6	68.0	68.3
25-29	22.1	23.6	25.2	27.0	28.2	29.7	30.6	31.9	32.5	33.3	33.9	35.1	35.8	36.4
30+	10.4	10.7	11.6	12.3	12.9	14.1	15.4	16.3	17.4	18.3	18.8	19.0	19.5	20.0
<b>Kent</b>	31.3	32.3	32.8	32.9	33.0	33.9	33.9	34.0	34.5	34.7	34.6	34.8	35.6	35.7
<20	82.0	83.4	84.5	84.9	85.9	86.5	87.4	89.0	89.3	89.5	89.0	89.5	88.2	87.7
20-24	46.7	48.1	49.3	49.7	50.5	51.4	53.0	53.8	55.4	56.4	56.5	55.9	56.7	56.8
25-29	21.6	22.0	22.8	23.1	24.2	25.5	26.0	26.5	27.7	28.5	28.9	30.6	32.4	33.3
30+	12.2	13.1	13.9	14.3	14.2	15.8	16.5	17.2	18.0	19.3	19.8	20.3	21.3	22.6
<b>New Castle</b>	26.0	26.8	27.8	29.3	30.3	31.4	32.1	32.6	32.8	32.6	32.3	32.2	31.9	31.4
<20	91.9	92.6	93.1	93.8	94.0	93.8	94.1	93.7	93.3	93.0	93.2	91.8	91.7	92.4
20-24	64.2	66.0	67.3	68.8	69.8	71.2	71.3	71.4	72.4	72.9	73.5	74.3	75.1	75.1
25-29	21.3	23.2	24.9	27.0	28.8	30.6	31.5	33.1	33.6	33.8	34.3	35.5	35.9	36.5
30+	8.9	9.1	9.9	10.6	11.3	12.4	14.0	15.0	15.9	16.8	17.4	17.6	17.9	18.0
<b>Wilmington</b>	28.7	30.3	31.2	32.5	32.1	34.6	34.9	34.4	32.7	33.2	32.3	32.5	32.8	33.9
<20	98.4	100.0	96.6	94.9	92.9	93.7	92.5	94.3	93.8	95.0	94.2	89.4	84.8	84.6
20-24	75.7	81.1	81.0	79.2	77.1	80.5	78.3	78.1	80.5	84.9	82.7	86.1	86.9	82.4
25-29	29.7	31.5	32.2	36.5	35.5	39.9	41.4	42.4	39.3	40.2	40.1	43.2	43.2	46.8
30+	11.0	11.3	13.0	13.3	13.3	14.5	15.6	14.9	15.3	16.4	17.3	17.9	19.0	19.5
<b>Balance of NC County</b>	25.8	26.5	27.6	29.0	30.1	31.1	31.9	32.4	32.8	32.5	32.3	32.1	31.8	31.2
<20	91.5	92.2	92.9	93.8	94.1	93.8	94.2	93.6	93.3	92.7	93.0	92.1	92.3	93.0
20-24	63.6	65.1	66.5	68.2	69.3	70.5	70.8	70.9	71.9	72.1	72.9	73.6	74.4	74.6
25-29	20.8	22.7	24.3	26.3	28.3	29.9	30.7	32.3	33.2	33.3	33.9	34.9	35.4	35.9
30+	8.8	8.9	9.6	10.4	11.1	12.2	13.8	15.0	16.0	16.9	17.5	17.6	17.8	17.8
<b>Sussex</b>	37.6	38.5	40.0	41.1	41.6	42.2	43.0	43.3	43.6	43.4	42.6	41.8	40.7	40.2
<20	87.7	89.0	89.8	90.3	90.9	92.1	92.4	93.0	94.2	93.7	93.4	93.4	92.0	89.5
20-24	61.0	61.6	62.4	63.4	64.7	66.0	67.6	68.9	70.2	70.4	70.0	70.1	70.2	70.9
25-29	25.0	26.4	28.7	31.4	31.3	32.3	33.5	35.0	35.2	37.2	38.1	39.1	38.8	39.1
30+	15.3	15.6	16.7	17.2	18.1	19.1	19.9	20.3	22.0	22.6	22.5	22.7	22.9	23.6

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, 2002-2019**

**NON- HISPANIC BLACK**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	69.4	70.0	70.8	71.5	72.0	72.3	72.4	72.3	71.9	71.5	71.0	69.8	68.9	68.2
<20	96.5	96.8	97.0	97.2	97.4	97.5	97.6	97.7	97.7	97.6	97.6	96.9	96.3	95.8
20-24	82.8	83.5	84.3	85.1	85.9	86.7	87.3	87.8	88.1	88.3	88.3	87.6	87.0	86.5
25-29	61.2	62.4	63.5	64.5	65.4	66.1	66.7	67.2	67.7	68.4	69.0	68.9	69.1	69.3
30+	42.0	42.7	43.5	44.5	45.3	46.1	46.8	47.3	47.6	47.9	48.1	47.7	47.5	47.7
<b>Delaware</b>	70.6	70.9	71.5	71.6	71.9	72.1	72.2	71.9	71.6	71.2	70.6	70.5	70.3	70.6
<20	97.3	97.7	98.0	98.0	97.9	98.2	98.0	98.0	98.0	98.3	98.2	98.7	98.8	98.8
20-24	85.4	86.1	86.9	87.8	88.4	89.1	89.4	89.5	90.0	90.4	90.5	90.4	90.7	90.6
25-29	62.8	63.8	65.2	65.9	66.8	67.7	69.4	69.9	70.0	70.5	70.7	70.7	71.2	72.3
30+	40.0	40.8	41.3	41.9	42.9	43.5	44.0	45.0	45.9	46.7	47.3	48.9	49.6	50.4
<b>Kent</b>	68.3	67.8	68.0	68.3	67.9	68.0	69.3	68.8	68.1	69.1	68.6	67.7	67.4	67.9
<20	93.3	93.9	94.7	95.1	95.2	96.5	96.3	97.0	96.6	97.1	97.0	98.0	97.9	98.8
20-24	79.7	80.3	81.1	82.4	82.1	83.0	84.0	84.3	85.6	87.6	87.3	86.0	86.0	85.8
25-29	57.5	56.1	58.6	59.4	60.5	60.8	65.0	63.7	64.2	66.5	67.9	66.2	66.5	66.2
30+	36.9	36.9	36.8	37.6	38.5	39.1	40.5	42.1	41.7	43.0	43.3	46.0	46.7	49.7
<b>New Castle</b>	69.6	70.1	70.7	70.9	71.3	71.4	71.3	71.2	71.0	70.6	70.1	70.3	70.4	70.7
<20	98.5	98.7	98.9	98.9	98.8	98.7	98.6	98.2	98.3	98.5	98.2	98.8	98.9	98.6
20-24	87.5	88.3	88.7	89.4	90.0	90.4	90.6	90.7	91.2	91.4	91.9	91.8	92.4	92.5
25-29	63.5	65.4	66.5	67.1	67.4	68.4	69.1	70.0	70.0	70.3	70.5	71.3	72.5	74.0
30+	39.2	40.3	41.3	42.3	43.3	44.1	44.2	45.3	46.5	47.3	48.0	49.5	50.2	50.5
<b>Wilmington</b>	85.3	85.3	85.5	85.7	85.4	85.0	84.8	84.9	85.1	85.3	86.0	86.5	85.9	86.2
<20	99.2	99.3	99.3	99.4	99.0	98.9	99.1	99.1	99.3	99.5	99.4	99.4	99.3	99.3
20-24	92.4	93.3	93.5	94.2	94.4	94.5	94.7	94.9	95.0	95.3	95.2	95.0	94.3	94.8
25-29	77.6	77.6	78.1	79.9	80.2	80.4	81.5	82.9	82.0	82.8	83.6	84.6	85.1	86.7
30+	62.7	63.3	64.1	64.3	63.5	63.5	63.4	64.5	67.7	69.4	72.6	74.5	74.0	73.9
<b>Balance of NC County</b>	59.5	60.5	61.5	61.6	63.0	64.1	64.3	64.6	64.7	64.0	63.1	63.3	63.7	64.2
<20	97.5	98.0	98.4	98.3	98.6	98.5	98.1	97.5	97.4	97.6	97.3	98.3	98.6	97.9
20-24	83.2	84.2	84.8	85.6	86.6	87.7	88.1	88.4	89.2	89.3	90.1	90.0	91.4	91.4
25-29	56.3	59.0	60.4	59.9	60.8	62.3	63.1	63.9	64.7	64.8	64.8	65.6	67.1	68.7
30+	30.9	32.4	33.3	34.3	36.2	37.5	37.7	39.0	39.9	40.4	40.5	42.1	43.1	43.3
<b>Sussex</b>	78.1	78.3	79.4	79.4	80.6	80.8	80.6	79.9	79.4	77.7	76.3	76.1	74.6	74.2
<20	97.7	98.2	98.2	97.7	97.7	98.0	97.6	98.1	98.9	98.8	99.5	99.5	99.5	99.5
20-24	84.9	85.6	87.6	88.6	91.0	91.7	91.8	91.7	91.3	90.6	89.7	91.2	91.3	90.2
25-29	67.1	67.3	68.2	70.3	73.6	75.0	77.4	79.3	79.0	78.1	76.7	75.0	72.9	74.1
30+	50.7	50.0	48.9	45.8	47.8	47.4	49.1	48.2	50.0	49.4	49.9	50.3	50.9	50.7

*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, 2002-2019**

**HISPANIC ORIGIN**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	46.7	48.3	49.7	51.0	52.0	52.7	53.2	53.3	53.3	53.2	53.0	50.3	47.6	45.3
<20	78.0	79.7	81.2	82.6	83.9	85.1	86.0	86.7	87.2	87.5	87.9	84.9	82.0	79.1
20-24	55.7	57.7	59.5	61.1	62.6	63.9	65.0	65.8	66.4	67.0	67.3	64.5	61.8	59.1
25-29	39.1	40.9	42.5	44.0	45.2	46.1	46.9	47.4	47.8	48.3	48.7	46.4	44.2	42.1
30+	29.1	30.4	31.7	32.9	34.0	34.9	35.6	36.1	36.5	36.9	37.2	35.3	33.5	31.7
<b>Delaware</b>	59.6	61.1	62.3	63.5	63.8	64.8	64.6	64.1	63.1	63.0	61.7	61.5	60.7	60.5
<20	85.3	86.4	88.4	89.4	89.0	89.4	89.5	89.2	90.2	91.6	92.5	93.2	93.1	93.2
20-24	68.1	69.9	70.6	72.3	73.7	75.2	75.1	75.4	74.7	75.0	74.6	74.5	74.7	74.9
25-29	52.4	55.1	56.3	57.6	57.7	60.2	60.4	60.4	60.2	60.8	58.7	58.6	58.2	58.4
30+	39.9	40.2	42.6	43.9	45.1	46.0	47.5	47.7	47.6	47.5	46.6	47.0	46.1	45.7
<b>Kent</b>	48.4	51.9	54.4	55.0	55.0	56.5	54.8	54.8	53.7	54.7	55.3	56.4	54.8	55.4
<20	77.3	80.8	84.4	85.7	82.6	81.3	79.4	81.2	84.9	88.9	89.8	88.2	89.0	85.5
20-24	54.5	59.2	61.0	62.8	64.5	66.9	67.3	67.1	64.7	65.1	66.7	66.1	65.6	67.8
25-29	39.2	43.5	44.2	43.8	44.3	46.3	45.5	46.9	46.5	51.0	50.5	51.7	51.0	52.2
30+	26.9	29.1	35.8	37.2	38.2	40.0	37.2	35.5	36.5	36.0	37.1	41.0	39.6	41.1
<b>New Castle</b>	55.6	56.3	57.4	59.1	60.0	61.4	62.7	62.6	62.2	61.6	60.3	59.5	59.0	58.7
<20	83.4	84.3	86.8	88.7	89.5	90.7	91.4	90.6	92.1	93.1	94.1	94.7	94.2	94.5
20-24	66.0	67.4	67.7	69.8	72.2	74.2	75.2	77.5	78.0	78.8	78.8	77.9	78.1	77.5
25-29	47.2	48.7	49.8	51.4	51.7	55.1	56.8	57.1	58.0	57.6	55.5	55.5	55.8	57.0
30+	33.7	34.3	36.6	38.0	39.7	40.5	43.0	42.4	42.3	41.7	41.4	41.9	41.7	41.8
<b>Wilmington</b>	67.8	67.8	68.8	70.6	71.0	70.8	72.0	71.5	69.3	68.4	68.1	68.3	69.1	71.8
<20	86.0	88.1	91.5	93.6	94.4	95.1	93.8	93.2	89.9	89.6	91.3	92.3	92.6	97.4
20-24	71.8	72.7	74.2	78.1	81.8	83.2	82.2	83.1	82.2	79.5	78.8	81.0	80.9	81.2
25-29	61.6	61.9	61.0	62.0	62.5	62.0	64.5	67.3	66.8	68.1	65.8	68.6	69.7	74.1
30+	47.6	45.8	48.0	47.5	44.5	43.6	49.7	46.2	47.3	48.0	51.1	48.2	51.2	52.0
<b>Balance of NC County</b>	51.8	52.9	54.2	56.0	57.1	59.0	60.4	60.4	60.4	60.0	58.5	57.5	57.0	56.3
<20	82.2	82.6	85.0	86.9	87.8	89.2	90.6	89.8	92.8	94.2	95.0	95.5	94.7	93.6
20-24	64.0	65.6	65.6	67.2	69.0	71.4	73.2	75.9	76.8	78.6	78.8	77.1	77.4	76.7
25-29	43.3	45.4	46.9	48.7	49.0	53.4	54.9	54.5	55.9	55.1	53.3	52.7	53.3	53.9
30+	30.7	31.9	34.4	36.2	38.8	39.9	41.9	41.8	41.3	40.4	39.5	40.7	40.1	40.3
<b>Sussex</b>	71.3	73.1	73.6	73.9	72.8	72.8	70.7	69.7	68.0	68.5	66.3	66.8	66.1	65.7
<20	92.7	92.8	92.8	92.2	90.3	89.9	89.4	89.6	88.3	89.7	90.6	92.7	92.9	93.9
20-24	76.3	77.6	78.2	79.0	78.8	79.4	77.7	75.8	74.0	73.8	71.4	72.6	73.1	73.8
25-29	66.0	69.5	70.9	72.0	71.2	72.2	70.4	69.6	68.6	69.5	67.2	66.8	66.1	63.9
30+	57.5	57.7	57.7	58.1	57.3	57.6	57.4	58.9	58.3	59.4	57.1	57.1	55.6	54.4

*Notes:*

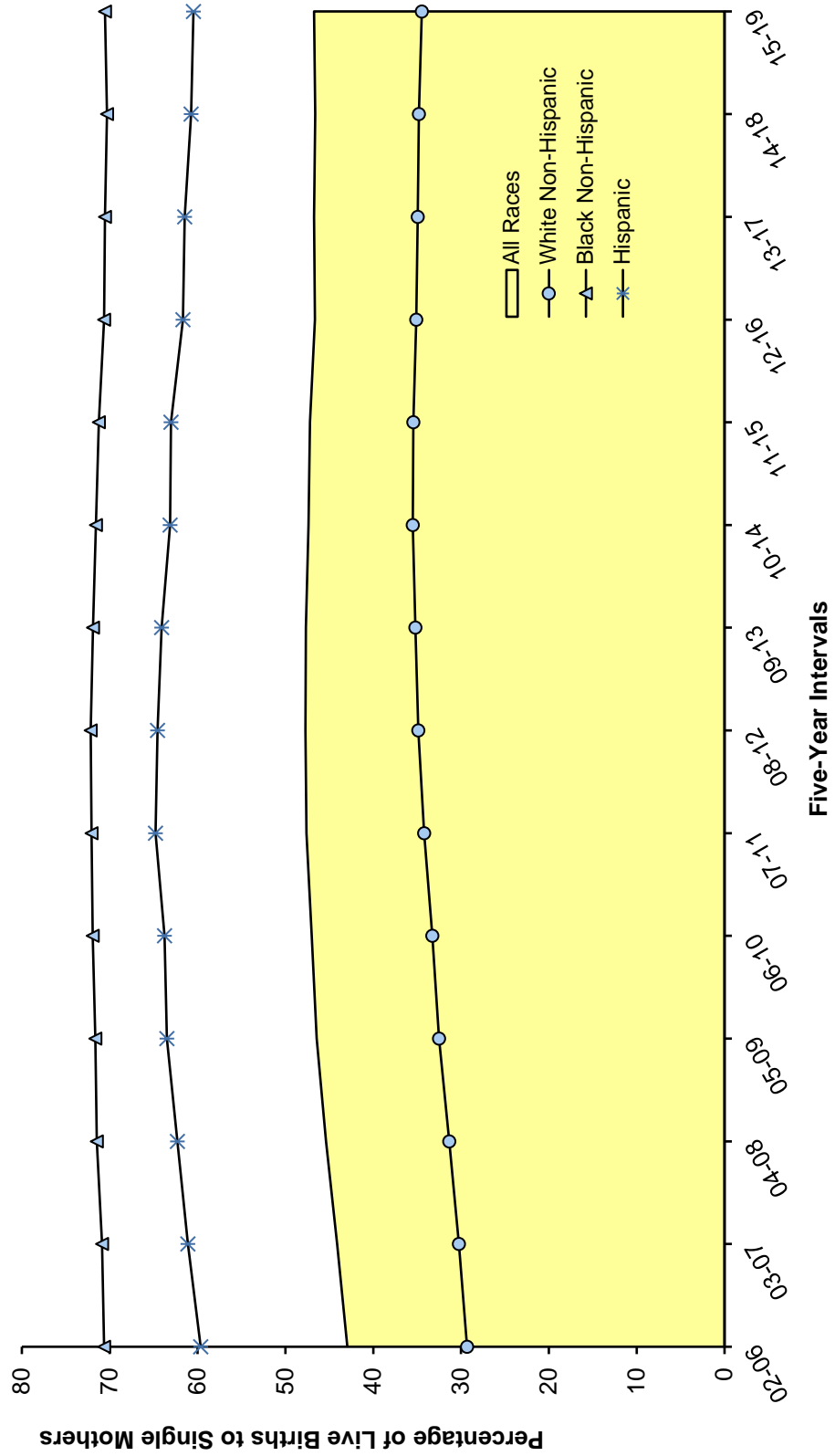
\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes. Percentages in this table should be interpreted with caution due to small numbers.

*Sources:* National Center for Health Statistics

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



**Figure C-10. Five-Year Average Percentage of Births to Single Mothers by Race and Hispanic Origin\*, Delaware, 2002-2019**



Note: \* Hispanic may be of any race.  
 Sources: 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, 2019**

Area/ Age	Marital Status, Race, and Hispanic Origin														
	Total					Married					Single				
	All	Non-Hispanic			Hispanic Origin*	All Races	Non-Hispanic			Hispanic Origin*	All Races	Non-Hispanic			Hispanic Origin*
		White	Black	Other			White	Black	Other			White	Black	Other	
<b>Delaware</b>	10,328	4,857	2,856	863	1,752	5,451	3,215	822	704	710	4,877	1,642	2,034	159	1,042
<15	6	0	2	0	4	0	0	0	0	0	6	0	2	0	4
15-17	115	16	54	6	39	0	0	0	0	0	115	16	54	6	39
18-19	324	64	163	8	89	21	7	3	1	10	303	57	160	7	79
20-24	1,810	653	661	90	406	372	183	58	28	103	1,438	470	603	62	303
25-29	3,129	1,494	854	248	533	1,617	958	227	212	220	1,512	536	627	36	313
30-34	3,080	1,701	649	322	408	2,125	1,338	270	294	223	955	363	379	28	185
35-39	1,517	774	373	163	207	1,085	611	210	147	117	432	163	163	16	90
40+	347	155	100	26	66	231	118	54	22	37	116	37	46	4	29
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2,044	1,059	638	127	220	1,055	678	198	81	98	989	381	440	46	122
<15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-17	19	7	10	1	1	0	0	0	0	0	19	7	10	1	1
18-19	56	12	33	2	9	4	1	0	0	3	52	11	33	2	6
20-24	433	198	149	28	58	119	80	14	5	20	314	118	135	23	38
25-29	671	365	195	36	75	380	247	71	29	33	291	118	124	7	42
30-34	563	326	156	29	52	359	242	67	22	28	204	84	89	7	24
35-39	238	122	74	22	20	150	84	38	18	10	88	38	36	4	10
40+	64	29	21	9	5	43	24	8	7	4	21	5	13	2	1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6,016	2,555	1,838	647	976	3,309	1,800	527	563	419	2,707	755	1,311	84	557
<15	2	0	1	0	1	0	0	0	0	0	2	0	1	0	1
15-17	59	5	32	3	19	0	0	0	0	0	59	5	32	3	19
18-19	157	27	90	2	38	9	2	3	0	4	148	25	87	2	34
20-24	915	240	406	51	218	161	53	30	22	56	754	187	376	29	162
25-29	1,763	714	559	192	298	872	451	132	170	119	891	263	427	22	179
30-34	1,935	1,004	419	267	245	1,405	834	174	251	146	530	170	245	16	99
35-39	974	474	266	117	117	721	390	152	107	72	253	84	114	10	45
40+	211	91	65	15	40	141	70	36	13	22	70	21	29	2	18
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilmington	826	162	514	19	131	221	112	67	6	36	605	50	447	13	95
<15	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0
15-17	24	0	18	0	6	0	0	0	0	0	24	0	18	0	6
18-19	47	2	38	0	7	0	0	0	0	0	47	2	38	0	7
20-24	191	19	125	6	41	20	6	5	0	9	171	13	120	6	32
25-29	239	42	152	5	40	49	21	17	2	9	190	21	135	3	31
30-34	198	58	114	5	21	87	51	24	2	10	111	7	90	3	11
35-39	102	31	58	2	11	52	26	20	1	5	50	5	38	1	6
40+	24	10	8	1	5	13	8	1	1	3	11	2	7	0	2
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County	5,190	2,393	1,324	628	845	3,088	1,688	460	557	383	2,102	705	864	71	462
<15	1	0	0	0	1	0	0	0	0	0	1	0	0	0	1
15-17	35	5	14	3	13	0	0	0	0	0	35	5	14	3	13
18-19	110	25	52	2	31	9	2	3	0	4	101	23	49	2	27
20-24	724	221	281	45	177	141	47	25	22	47	583	174	256	23	130
25-29	1,524	672	407	187	258	823	430	115	168	110	701	242	292	19	148
30-34	1,737	946	305	262	224	1,318	783	150	249	136	419	163	155	13	88
35-39	872	443	208	115	106	669	364	132	106	67	203	79	76	9	39
40+	187	81	57	14	35	128	62	35	12	19	59	19	22	2	16
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2,268	1,243	380	89	556	1,087	737	97	60	193	1,181	506	283	29	363
<15	4	0	1	0	3	0	0	0	0	0	4	0	1	0	3
15-17	37	4	12	2	19	0	0	0	0	0	37	4	12	2	19
18-19	111	25	40	4	42	8	4	0	1	3	103	21	40	3	39
20-24	462	215	106	11	130	92	50	14	1	27	370	165	92	10	103
25-29	695	415	100	20	160	365	260	24	13	68	330	155	76	7	92
30-34	582	371	74	26	111	361	262	29	21	49	221	109	45	5	62
35-39	305	178	33	24	70	214	137	20	22	35	91	41	13	2	35
40+	72	35	14	2	21	47	24	10	2	11	25	11	4	0	10
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, 2019**

Area/ Birth Order	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10,328	6	115	324	1,810	3,129	3,080	1,517	347	0
First	4,022	6	107	269	1,013	1,292	973	294	68	0
Second	3,256	0	8	49	570	980	1,068	490	91	0
Third	1,734	0	0	6	169	539	584	363	73	0
Fourth+	1,297	0	0	0	52	316	449	366	114	0
Unknown	19	0	0	0	6	2	6	4	1	0
<b>Kent</b>	2,044	0	19	56	433	671	563	238	64	0
First	749	0	19	49	243	264	133	34	7	0
Second	643	0	0	7	146	228	185	67	10	0
Third	337	0	0	0	36	103	130	53	15	0
Fourth+	314	0	0	0	8	76	114	84	32	0
Unknown	1	0	0	0	0	0	1	0	0	0
<b>New Castle</b>	6,016	2	59	157	915	1,763	1,935	974	211	0
First	2,457	2	54	136	535	796	672	212	50	0
Second	1,892	0	5	19	262	519	701	321	65	0
Third	956	0	0	2	81	281	326	225	41	0
Fourth+	697	0	0	0	33	166	231	212	55	0
Unknown	14	0	0	0	4	1	5	4	0	0
Wilmington	826	1	24	47	191	239	198	102	24	0
First	308	1	22	38	103	64	55	16	9	0
Second	221	0	2	9	57	66	55	26	6	0
Third	134	0	0	0	17	53	38	22	4	0
Fourth+	162	0	0	0	14	55	50	38	5	0
Unknown	1	0	0	0	0	1	0	0	0	0
Balance of NC County	5,190	1	35	110	724	1,524	1,737	872	187	0
First	2,149	1	32	98	432	732	617	196	41	0
Second	1,671	0	3	10	205	453	646	295	59	0
Third	822	0	0	2	64	228	288	203	37	0
Fourth+	535	0	0	0	19	111	181	174	50	0
Unknown	13	0	0	0	4	0	5	4	0	0
<b>Sussex</b>	2,268	4	37	111	462	695	582	305	72	0
First	816	4	34	84	235	232	168	48	11	0
Second	721	0	3	23	162	233	182	102	16	0
Third	441	0	0	4	52	155	128	85	17	0
Fourth+	286	0	0	0	11	74	104	70	27	0
Unknown	4	0	0	0	2	1	0	0	1	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 PERCENTAGE OF LIVE BIRTHS BY LIVE BIRTH ORDER, RACE, AND HISPANIC ORIGIN OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2019**

Area/ Birth Order	Total		Non-Hispanic						Hispanic Origin*	
	Number	Percent	White		Black		Other		Number	Percent
			Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10,328	100	4,857	100	2,856	100	863	100	1,752	100
First	4,022	39	1,995	41	1,039	36	407	47	581	33
Second	3,256	32	1,618	33	817	29	309	36	512	29
Third	1,734	17	779	16	496	17	90	10	369	21
Fourth+	1,297	13	460	9	495	17	54	6	288	16
Unknown	19	0	5	0	9	0	3	0	2	0
<b>Kent</b>	2,044	100	1,059	100	638	100	127	100	220	100
First	749	37	407	38	226	35	43	34	73	33
Second	643	31	347	33	178	28	48	38	70	32
Third	337	16	162	15	108	17	17	13	50	23
Fourth+	314	15	143	14	125	20	19	15	27	12
Unknown	1	0	0	0	1	0	0	0	0	0
<b>New Castle</b>	6,016	100	2,555	100	1,838	100	647	100	976	100
First	2,457	41	1,102	43	682	37	329	51	344	35
Second	1,892	31	862	34	521	28	238	37	271	28
Third	956	16	388	15	314	17	55	9	199	20
Fourth+	697	12	200	8	315	17	22	3	160	16
Unknown	14	0	3	0	6	0	3	0	2	0
Wilmington	826	100	162	100	514	100	19	100	131	100
First	308	37	83	51	169	33	6	32	50	38
Second	221	27	53	33	129	25	6	32	33	25
Third	134	16	14	9	94	18	3	16	23	18
Fourth+	162	20	12	7	122	24	3	16	25	19
Unknown	1	0	0	0	0	0	1	5	0	0
Balance of NC County	5,190	100	2,393	100	1,324	100	628	100	845	100
First	2,149	41	1,019	43	513	39	323	51	294	35
Second	1,671	32	809	34	392	30	232	37	238	28
Third	822	16	374	16	220	17	52	8	176	21
Fourth+	535	10	188	8	193	15	19	3	135	16
Unknown	13	0	3	0	6	0	2	0	2	0
<b>Sussex</b>	2,268	100	1,243	100	380	100	89	100	556	100
First	816	36	486	39	131	34	35	39	164	29
Second	721	32	409	33	118	31	23	26	171	31
Third	441	19	229	18	74	19	18	20	120	22
Fourth+	286	13	117	9	55	14	13	15	101	18
Unknown	4	0	2	0	2	1	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, 2019**

Area/ Plurality	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10,328	6	115	324	1,810	3,129	3,080	1,517	347	0
Single	9,985	6	113	316	1,772	3,016	2,964	1,461	337	0
Plural	343	0	2	8	38	113	116	56	10	0
<b>Kent</b>	2,044	0	19	56	433	671	563	238	64	0
Single	1,994	0	19	56	431	647	547	230	64	0
Plural	50	0	0	0	2	24	16	8	0	0
<b>New Castle</b>	6,016	2	59	157	915	1,763	1,935	974	211	0
Single	5,801	2	57	153	887	1,706	1,855	938	203	0
Plural	215	0	2	4	28	57	80	36	8	0
Wilmington	826	1	24	47	191	239	198	102	24	0
Single	797	1	24	47	187	223	192	99	24	0
Plural	29	0	0	0	4	16	6	3	0	0
Balance of NC County	5,190	1	35	110	724	1,524	1,737	872	187	0
Single	5,004	1	33	106	700	1,483	1,663	839	179	0
Plural	186	0	2	4	24	41	74	33	8	0
<b>Sussex</b>	2,268	4	37	111	462	695	582	305	72	0
Single	2,190	4	37	107	454	663	562	293	70	0
Plural	78	0	0	4	8	32	20	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 PERCENTAGE OF LIVE BIRTHS BY PLURALITY, RACE, AND HISPANIC ORIGIN OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2019**

Area/ Plurality	Total		Non-Hispanic						Hispanic Origin*	
	Number	Percent	White		Black		Other		Number	Percent
			Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10,328	100	4,857	100	2,856	100	863	100	1,752	100
Single	9,985	97	4,710	97	2,739	96	841	97	1,695	97
Plural	343	3	147	3	117	4	22	3	57	3
<b>Kent</b>	2,044	100	1,059	100	638	100	127	100	220	100
Single	1,994	98	1,039	98	612	96	127	100	216	98
Plural	50	2	20	2	26	4	0	0	4	2
<b>New Castle</b>	6,016	100	2,555	100	1,838	100	647	100	976	100
Single	5,801	96	2,468	97	1,769	96	627	97	937	96
Plural	215	4	87	3	69	4	20	3	39	4
Wilmington	826	100	162	100	514	100	19	100	131	100
Single	797	96	160	99	495	96	19	100	123	94
Plural	29	4	2	1	19	4	0	0	8	6
Balance of NC County	5,190	100	2,393	100	1,324	100	628	100	845	100
Single	5,004	96	2,308	96	1,274	96	608	97	814	96
Plural	186	4	85	4	50	4	20	3	31	4
<b>Sussex</b>	2,268	100	1,243	100	380	100	89	100	556	100
Single	2,190	97	1,203	97	358	94	87	98	542	97
Plural	78	3	40	3	22	6	2	2	14	3

*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 PERCENTAGE OF LIVE BIRTHS BY PLACE OF BIRTH, TYPE OF FACILITY, AND RESIDENCE STATUS, DELAWARE, 2019**

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	694	7	710	6	16	2
Kent General	1,734	17	1,785	16	51	5
Christiana Care	5,383	52	6,121	56	738	80
Milford Memorial	410	4	415	4	5	1
Nanticoke Memorial	877	8	899	8	22	2
St. Francis	656	6	685	6	29	3
A.I.DuPont	1	0	2	0	1	0
Total	9,755	94	10,617	97	862	93
BIRTHING CENTER	174	2	235	2	61	7
HOME BIRTH	69	1	73	1	4	0
ENROUTE/OTHER	4	0	5	0	1	0
UNKNOWN	0	0	0	0	0	0
TOTAL	10,002	97	10,930	100	928	100
<b>OUT-OF-STATE</b>						
HOSPITAL						
Crozier Med. Center, PA	1	0	N/A		N/A	
Peninsula General, MD	1	0	N/A		N/A	
Riddle Memorial, PA	2	0	N/A		N/A	
Other Hospitals	321	3	N/A		N/A	
Total	325	3	N/A		N/A	
BIRTHING CENTER	0	0	N/A		N/A	
HOME BIRTH	1	0	N/A		N/A	
ENROUTE/OTHER	0	0	N/A		N/A	
UNKNOWN	0	0	N/A		N/A	
TOTAL	326	3	N/A		N/A	
<b>TOTAL</b>	<b>10,328</b>	<b>100</b>	<b>10,930</b>	<b>100</b>	<b>928</b>	<b>100</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, 2002-2019**

**ALL RACES**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	8.0	8.1	8.2	8.2	8.2	8.2	8.1	8.1	8.0	8.0	8.0	8.1	8.2	8.2
<20	9.9	9.9	9.9	9.9	9.8	9.7	9.6	9.5	9.5	9.4	9.5	9.6	9.7	9.9
20-24	8.1	8.2	8.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.4	8.5	8.5
25-29	7.2	7.3	7.4	7.4	7.4	7.4	7.3	7.3	7.3	7.3	7.4	7.5	7.6	7.7
30+	8.1	8.2	8.2	8.3	8.3	8.3	8.2	8.2	8.2	8.1	8.1	8.2	8.2	8.2
<b>Delaware</b>	9.4	9.3	9.1	9.0	8.9	8.8	8.6	8.5	8.5	8.5	8.6	8.8	8.9	9.1
<20	11.4	11.2	11.3	11.1	10.5	10.4	10.1	9.8	9.9	9.6	9.0	9.1	9.4	9.4
20-24	9.8	9.9	9.5	9.4	9.3	9.0	8.7	8.8	8.9	8.9	9.3	9.4	9.8	10.1
25-29	8.5	8.2	8.1	8.0	8.0	8.1	8.1	8.2	8.3	8.3	8.3	8.5	8.6	8.6
30+	9.3	9.1	9.0	9.0	8.9	8.7	8.5	8.4	8.1	8.4	8.5	8.7	8.7	9.1
<b>Kent</b>	9.3	9.3	9.0	8.8	8.6	8.5	8.3	8.5	8.6	8.9	9.1	9.2	9.2	9.2
<20	11.7	11.4	11.0	11.8	10.3	10.4	9.8	10.4	10.9	10.3	9.6	9.8	9.4	7.5
20-24	9.8	9.8	9.2	8.2	8.5	8.2	7.7	7.9	8.6	8.6	9.1	9.5	10.2	10.2
25-29	7.4	7.5	7.7	7.9	7.9	8.0	8.2	8.2	8.4	8.5	9.0	8.9	8.7	8.5
30+	9.7	9.6	9.4	9.3	9.0	8.9	8.7	8.8	8.4	9.1	9.1	9.1	9.0	9.4
<b>New Castle</b>	9.9	9.8	9.6	9.5	9.4	9.1	8.9	8.9	8.7	8.8	8.9	9.0	9.0	9.3
<20	12.4	12.5	12.7	12.0	11.2	11.0	10.3	10.1	10.2	9.8	9.2	9.4	9.4	10.4
20-24	10.5	10.6	10.4	10.5	10.2	9.8	9.7	9.8	9.7	9.9	10.0	9.9	9.9	10.2
25-29	9.1	8.7	8.4	8.5	8.4	8.5	8.4	8.5	8.4	8.4	8.3	8.7	8.9	9.0
30+	9.6	9.4	9.2	9.1	9.1	8.7	8.5	8.4	8.3	8.4	8.7	8.8	8.7	9.0
<b>Wilmington</b>	13.9	13.6	13.4	13.5	13.2	12.6	12.3	12.3	11.8	12.0	12.2	12.2	12.2	13.0
<20	14.7	14.4	14.5	14.6	14.3	12.7	12.1	13.2	12.7	11.7	12.0	12.2	9.7	10.9
20-24	14.7	14.2	13.6	13.9	13.5	13.0	13.6	14.1	13.6	14.1	14.3	13.1	12.4	13.0
25-29	12.8	12.9	13.2	13.7	13.7	12.8	11.9	11.4	10.7	10.6	10.8	11.6	12.2	12.9
30+	13.4	12.9	12.7	12.2	11.8	12.0	11.5	11.4	11.1	11.8	11.8	12.1	12.5	13.5
<b>Balance of NC County</b>	9.1	9.0	8.8	8.6	8.5	8.4	8.2	8.2	8.2	8.2	8.3	8.4	8.5	8.6
<20	11.1	11.5	11.7	10.7	9.8	10.3	9.5	8.7	9.1	9.0	8.1	8.3	9.3	10.2
20-24	9.1	9.4	9.3	9.4	9.2	8.9	8.6	8.7	8.7	8.8	8.9	9.1	9.3	9.5
25-29	8.4	7.9	7.6	7.5	7.5	7.7	7.7	8.0	8.0	8.1	7.9	8.2	8.3	8.4
30+	9.1	9.0	8.8	8.6	8.7	8.3	8.0	8.0	7.9	7.9	8.3	8.3	8.2	8.4
<b>Sussex</b>	8.0	7.8	7.7	7.8	7.9	7.9	7.9	7.6	7.5	7.5	7.5	7.9	8.3	8.8
<20	8.8	8.2	8.4	8.7	8.9	9.0	10.0	8.7	8.4	8.7	8.1	7.8	9.3	9.0
20-24	8.4	8.4	8.0	8.1	8.2	8.0	7.6	7.6	7.4	7.1	7.7	8.1	9.0	9.7
25-29	7.7	7.5	7.2	6.9	7.0	7.1	7.1	7.2	7.8	7.5	7.6	7.8	7.9	7.7
30+	7.7	7.3	7.6	8.1	8.2	8.2	8.3	7.7	7.2	7.5	7.3	7.8	8.1	9.0

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, 2002-2019**

**NON-HISPANIC WHITE**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	7.1	7.2	7.3	7.3	7.2	7.2	7.1	7.1	7.0	7.0	7.0	7.0	7.0	7.0
<20	8.8	8.9	8.9	8.8	8.7	8.6	8.5	8.4	8.3	8.3	8.4	8.5	8.6	8.8
20-24	7.2	7.3	7.3	7.3	7.3	7.2	7.2	7.2	7.2	7.1	7.1	7.2	7.2	7.2
25-29	6.5	6.5	6.6	6.6	6.6	6.5	6.5	6.5	6.5	6.4	6.4	6.5	6.5	6.5
30+	7.3	7.4	7.4	7.4	7.4	7.4	7.3	7.2	7.2	7.1	7.1	7.1	7.0	7.0
<b>Delaware</b>	7.8	7.6	7.4	7.3	7.3	7.0	7.0	6.9	6.9	6.9	7.1	7.0	7.1	7.3
<20	9.1	9.0	9.2	8.8	8.0	7.7	7.9	7.3	7.5	7.9	7.8	7.1	8.2	8.1
20-24	7.9	7.8	7.7	7.7	7.7	7.4	7.2	7.1	7.0	6.7	6.9	7.2	7.8	7.9
25-29	7.1	6.9	6.5	6.6	6.6	6.5	6.6	6.7	6.8	6.8	6.9	6.7	6.7	6.6
30+	7.9	7.7	7.5	7.3	7.4	7.1	7.0	7.0	6.8	7.0	7.2	7.2	7.1	7.5
<b>Kent</b>	7.6	7.5	7.5	7.2	7.3	7.1	7.1	7.3	7.5	7.7	7.7	7.6	7.5	7.4
<20	8.6	9.4	9.8	9.8	8.3	8.2	7.2	7.0	8.6	9.0	9.6	8.7	9.5	6.6
20-24	8.1	7.9	7.6	7.0	7.6	6.6	6.2	6.1	6.6	6.2	6.7	7.1	7.8	7.4
25-29	5.5	5.7	6.1	6.2	6.4	6.6	7.0	7.3	7.5	7.6	7.8	7.1	6.8	6.4
30+	8.6	8.2	8.2	7.9	7.8	7.7	7.8	8.2	7.9	8.7	8.1	8.1	7.9	8.2
<b>New Castle</b>	8.0	7.8	7.5	7.3	7.2	6.9	6.8	6.8	6.7	6.7	6.9	6.8	6.8	6.9
<20	10.3	9.9	9.8	9.0	7.7	7.4	7.7	7.1	7.4	7.6	8.2	7.8	9.1	9.4
20-24	8.2	8.1	7.9	8.0	7.8	7.8	7.7	8.0	7.7	7.4	7.1	7.2	7.3	7.1
25-29	7.9	7.5	6.8	7.0	6.8	6.5	6.4	6.5	6.2	6.1	6.3	6.2	6.3	6.5
30+	7.8	7.7	7.5	7.1	7.1	6.7	6.6	6.6	6.6	6.7	7.1	7.0	6.9	7.0
<b>Wilmington</b>	8.0	7.3	6.6	6.4	7.2	7.1	7.3	8.0	7.7	7.8	7.9	8.2	7.7	8.0
<20	7.8	7.1	3.4	5.1	8.9	7.9	9.0	12.9	10.8	10.0	11.5	12.8	9.1	11.5
20-24	11.2	8.9	7.1	9.6	11.7	10.8	11.1	14.4	13.8	11.6	12.6	12.2	8.4	5.6
25-29	8.2	7.6	6.4	5.7	6.8	5.1	5.5	4.7	5.4	5.0	5.8	6.7	7.3	7.9
30+	7.2	6.8	6.8	6.0	6.0	7.0	7.1	7.5	7.3	8.2	7.8	7.9	7.7	8.3
<b>Balance of NC County</b>	8.0	7.8	7.5	7.4	7.2	6.8	6.7	6.7	6.6	6.6	6.8	6.7	6.7	6.8
<20	10.5	10.1	10.2	9.2	7.7	7.3	7.6	6.6	7.0	7.3	7.9	7.2	9.1	9.2
20-24	8.1	8.0	7.9	7.9	7.5	7.5	7.4	7.5	7.3	7.1	6.8	6.9	7.2	7.2
25-29	7.8	7.5	6.9	7.1	6.8	6.6	6.5	6.6	6.3	6.2	6.3	6.2	6.2	6.5
30+	7.8	7.7	7.5	7.2	7.2	6.7	6.6	6.5	6.6	6.6	7.1	6.9	6.8	6.9
<b>Sussex</b>	7.2	7.0	7.1	7.3	7.4	7.4	7.4	7.0	6.8	6.8	6.8	7.0	7.5	8.1
<20	7.6	7.3	7.5	7.8	8.2	7.9	8.7	7.7	6.9	7.4	5.9	4.9	6.0	7.7
20-24	7.3	7.2	7.7	7.9	7.8	7.8	7.4	6.8	6.3	6.1	6.8	7.2	8.7	9.3
25-29	6.4	6.5	6.3	6.2	6.4	6.4	6.5	6.6	7.4	7.4	7.6	7.2	7.3	6.8
30+	7.7	7.1	7.2	7.7	7.8	8.0	7.8	7.2	6.5	6.6	6.4	7.0	7.2	8.6

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, 2002-2019**

**NON-HISPANIC BLACK**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	13.7	13.8	13.8	13.8	13.7	13.6	13.5	13.3	13.2	13.2	13.2	13.3	13.5	13.7
<20	14.4	14.4	14.4	14.3	14.1	14.0	13.8	13.7	13.6	13.6	13.7	13.8	14.1	14.3
20-24	13.3	13.4	13.5	13.5	13.4	13.3	13.2	13.1	13.1	13.0	13.1	13.2	13.4	13.6
25-29	12.9	13.0	13.1	13.1	13.1	12.9	12.8	12.7	12.5	12.5	12.6	12.7	12.9	13.1
30+	14.6	14.6	14.6	14.6	14.4	14.3	14.1	14.0	13.9	13.8	13.8	13.9	14.0	14.1
<b>Delaware</b>	14.6	14.4	14.0	13.9	13.6	13.2	12.9	12.9	12.7	12.6	12.7	13.2	13.3	13.7
<20	14.9	14.5	14.8	15.0	14.4	14.5	13.8	13.4	13.2	12.0	10.6	11.2	11.0	11.5
20-24	14.0	14.4	13.6	13.4	12.8	12.3	12.2	12.5	12.4	12.7	13.3	13.3	13.2	13.9
25-29	13.3	12.7	12.8	12.7	12.9	13.1	12.8	13.0	12.9	12.8	12.7	13.4	13.4	13.5
30+	16.3	15.6	15.1	14.8	14.7	13.7	13.1	12.9	12.5	12.7	12.9	13.4	13.8	14.2
<b>Kent</b>	13.9	13.8	12.7	12.6	12.0	11.8	11.3	11.7	11.5	11.7	12.4	12.6	12.7	12.9
<20	14.5	13.8	12.6	14.2	13.2	14.3	13.8	14.9	14.0	12.0	9.3	11.7	10.2	8.8
20-24	13.1	13.3	12.1	10.9	10.8	11.1	10.8	11.9	12.6	12.7	13.6	13.7	13.8	14.2
25-29	12.4	12.4	11.5	11.5	11.0	10.3	10.4	10.5	10.9	12.0	12.9	13.0	13.0	12.8
30+	16.5	16.3	14.9	15.4	14.0	13.0	11.8	11.2	9.9	10.4	11.7	11.4	12.0	12.9
<b>New Castle</b>	15.1	14.9	14.6	14.5	14.3	13.8	13.2	13.3	13.1	13.2	13.1	13.6	13.7	14.1
<20	15.5	15.4	16.2	15.8	14.9	14.5	13.2	12.8	13.0	12.1	10.7	11.0	10.3	11.9
20-24	14.4	15.0	14.4	14.8	14.0	13.1	12.9	12.9	12.6	13.2	13.7	13.6	13.5	13.9
25-29	13.6	12.9	12.9	12.9	13.3	13.8	13.4	13.8	13.5	13.2	12.8	13.5	13.6	13.8
30+	16.9	16.1	15.4	15.0	15.1	14.1	13.5	13.5	13.2	13.4	13.5	14.2	14.5	14.8
<b>Wilmington</b>	17.3	17.1	16.7	16.9	16.2	15.7	14.8	15.1	14.6	14.9	14.9	15.4	15.2	15.8
<20	16.3	15.8	15.6	15.8	15.0	13.9	12.7	14.1	14.1	12.8	12.5	13.2	10.6	11.5
20-24	16.2	16.6	15.9	16.4	15.3	14.9	15.0	15.2	14.3	15.3	15.4	14.6	14.1	15.1
25-29	16.4	16.6	17.3	17.8	17.7	17.3	15.6	15.5	14.3	13.5	13.4	14.3	14.6	15.2
30+	21.3	19.9	18.8	18.1	17.2	16.6	15.3	15.3	15.5	16.8	16.8	18.1	18.3	18.5
<b>Balance of NC County</b>	13.7	13.5	13.3	13.0	13.1	12.8	12.4	12.5	12.4	12.4	12.3	12.9	13.1	13.3
<20	14.3	15.0	16.8	15.8	14.7	15.1	13.7	11.6	12.1	11.5	9.3	9.1	10.0	12.4
20-24	12.8	13.7	13.2	13.4	13.0	11.9	11.6	11.7	11.7	12.1	12.7	13.1	13.1	13.3
25-29	12.1	10.9	10.5	10.2	11.0	12.0	12.3	13.0	13.1	13.0	12.5	13.2	13.2	13.2
30+	15.3	14.8	14.3	13.9	14.3	13.3	12.9	12.8	12.5	12.3	12.5	13.1	13.4	13.6
<b>Sussex</b>	13.3	12.7	12.8	12.5	12.8	12.7	13.1	12.6	12.6	11.4	11.6	12.0	12.5	13.3
<20	13.5	12.4	12.8	13.2	14.1	14.7	16.3	14.1	13.1	11.5	11.7	11.4	14.2	13.3
20-24	13.9	13.5	12.3	11.5	11.2	11.2	11.6	11.9	11.8	10.7	11.6	11.4	11.5	13.4
25-29	13.2	12.6	14.2	13.8	13.9	14.1	13.5	13.1	13.0	12.0	11.7	13.3	12.7	13.4
30+	11.9	11.3	12.5	12.0	13.2	12.0	13.1	12.3	13.0	11.9	11.6	11.8	12.8	13.2

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-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, 2002-2019**

**HISPANIC ORIGIN\***

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.0	7.0	7.1	7.1	7.2	7.3	7.4
<20	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	7.9	7.9	8.0	8.1	8.2	8.3
20-24	6.4	6.5	6.6	6.6	6.6	6.6	6.6	6.6	6.7	6.7	6.8	6.9	6.9	7.0
25-29	6.0	6.1	6.2	6.2	6.2	6.2	6.3	6.3	6.3	6.4	6.5	6.6	6.6	6.7
30+	7.3	7.4	7.4	7.4	7.4	7.5	7.5	7.5	7.5	7.6	7.6	7.7	7.8	7.9
<b>Delaware</b>	7.0	7.2	7.1	7.1	7.0	7.0	6.8	6.5	6.7	7.1	7.1	7.2	7.4	7.6
<20	7.8	8.4	7.6	7.5	6.9	7.0	7.0	7.3	7.8	8.5	8.4	8.5	8.6	7.9
20-24	7.2	7.4	7.0	6.6	6.9	6.8	5.9	5.5	6.0	6.6	6.6	6.8	7.5	7.7
25-29	6.9	6.6	6.7	6.4	6.1	6.1	6.1	5.8	6.1	6.2	6.5	7.2	7.7	7.8
30+	6.5	7.1	7.5	8.2	8.0	8.2	8.4	7.9	7.3	7.8	7.6	7.0	6.9	7.4
<b>Kent</b>	9.4	8.8	9.1	8.4	7.3	8.2	8.1	7.3	7.4	7.8	8.3	8.9	9.1	9.4
<20	12.6	9.2	7.8	8.8	7.6	6.5	7.5	7.9	8.1	7.4	8.0	6.5	6.1	6.6
20-24	11.0	10.6	10.0	7.7	7.4	8.3	7.8	6.4	6.4	7.4	7.1	7.7	10.0	10.7
25-29	9.4	8.0	9.8	9.9	7.8	9.3	8.9	8.5	7.3	7.3	8.9	11.3	10.1	10.6
30+	4.4	6.6	8.0	7.7	6.4	7.9	7.8	6.8	8.3	9.1	9.0	8.3	8.0	7.5
<b>New Castle</b>	7.5	7.8	8.0	7.9	7.8	7.9	7.7	7.4	7.5	7.7	7.5	7.1	7.2	7.6
<20	8.5	10.1	9.3	8.6	8.1	8.5	7.6	8.6	8.4	8.5	8.2	8.8	8.2	8.5
20-24	7.7	7.6	7.7	7.2	7.3	7.4	6.8	6.0	6.6	7.1	6.9	6.4	6.9	7.3
25-29	6.7	6.6	7.1	7.0	6.9	6.6	6.9	6.1	6.6	7.2	7.1	7.1	8.0	8.1
30+	7.6	8.0	8.4	9.0	9.1	9.3	9.2	9.3	8.5	8.3	8.0	7.1	6.7	7.2
<b>Wilmington</b>	9.8	9.3	9.8	9.7	9.9	8.8	10.2	9.2	8.8	9.1	10.2	7.7	8.1	9.5
<20	9.5	10.1	11.4	11.3	11.1	7.9	9.7	9.8	8.4	8.5	10.9	9.9	7.4	9.1
20-24	11.5	9.2	9.0	7.8	8.0	7.1	9.7	8.9	10.0	10.5	11.1	6.9	7.7	9.2
25-29	8.6	8.6	9.3	10.1	10.4	8.1	8.3	6.6	5.6	7.6	8.5	6.7	8.1	9.5
30+	8.5	9.3	10.3	11.0	11.5	12.7	14.0	12.5	10.9	9.5	10.5	8.5	8.6	9.9
<b>Balance of NC County</b>	6.8	7.4	7.5	7.4	7.2	7.6	7.0	6.9	7.1	7.4	6.9	7.0	7.1	7.2
<20	8.0	10.1	8.4	7.6	7.1	8.8	6.9	8.2	8.4	8.6	7.4	8.4	8.5	8.3
20-24	6.4	7.0	7.2	7.0	7.0	7.5	6.0	5.2	5.7	6.2	5.9	6.3	6.7	6.8
25-29	6.1	6.1	6.6	6.2	6.0	6.2	6.5	5.9	6.9	7.1	6.8	7.2	8.0	7.9
30+	7.4	7.7	8.0	8.7	8.6	8.6	8.4	8.7	8.0	8.1	7.6	6.9	6.3	6.8
<b>Sussex</b>	5.4	5.6	5.0	5.3	5.4	5.3	5.1	4.9	5.1	5.8	6.0	6.5	7.0	7.0
<20	4.4	4.5	4.5	4.8	4.3	4.3	5.5	4.1	6.3	8.8	8.9	8.9	9.9	7.6
20-24	5.1	5.9	4.9	5.3	6.2	5.5	4.0	4.4	4.6	5.3	5.7	6.9	7.3	7.1
25-29	6.7	6.0	5.1	4.3	4.1	4.4	4.0	4.4	5.0	4.3	4.6	5.5	5.8	5.8
30+	4.7	5.0	5.5	6.6	6.5	6.5	7.2	6.0	5.4	6.6	6.4	6.5	7.1	7.7

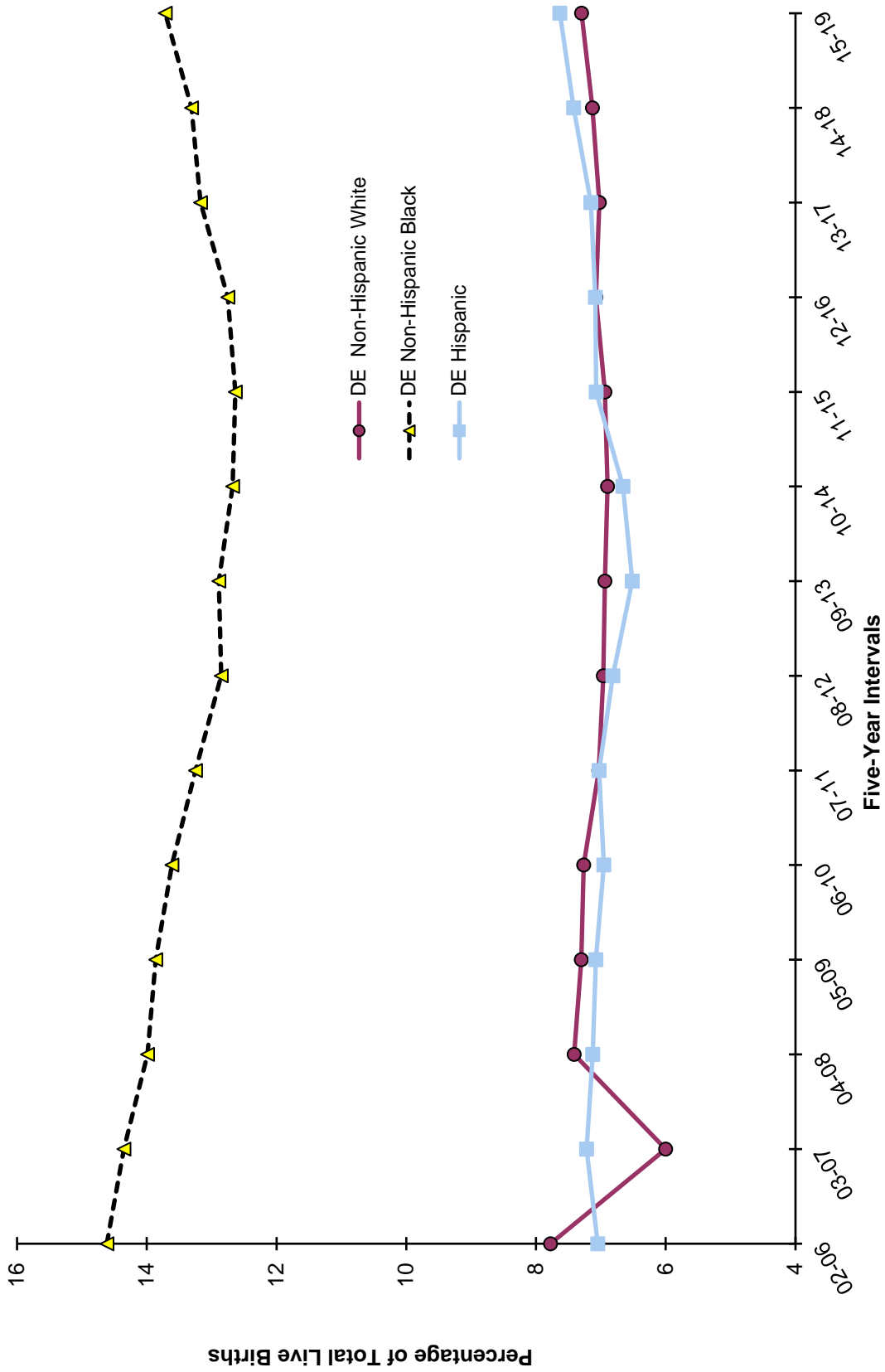
*Notes:*

\*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

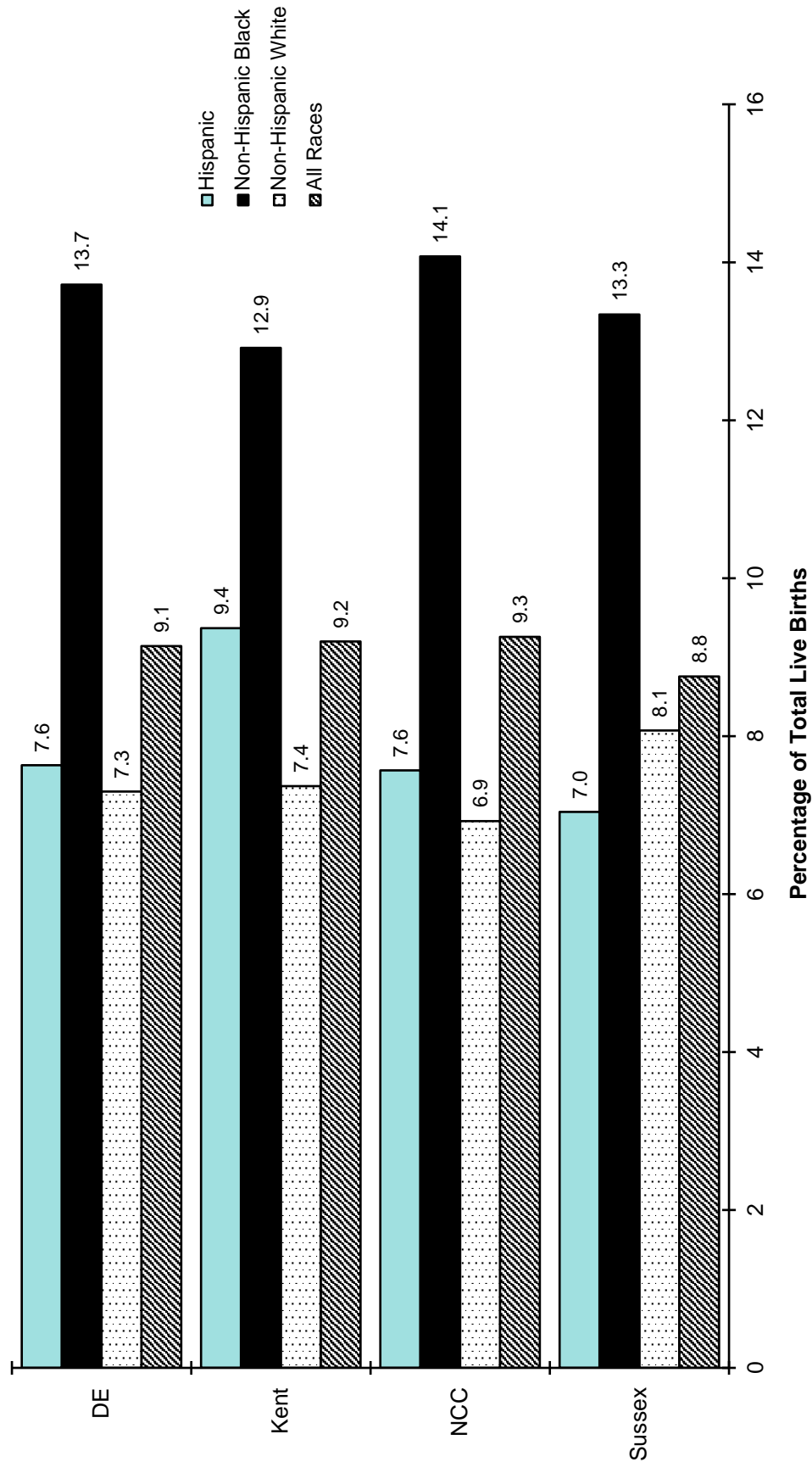
**Figure C-11 Five-Year Average Percentage of Low Birthweight Births (<2500 Grams), by Race and Hispanic Origin\*, Delaware, 2002-2019**



Note: \*Hispanic may be of any race.

Sources: 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 (<2500 Grams), by Race and Hispanic Origin\*, Delaware and Counties, 2015-2019**



Note: \*Hispanic may be of any race.

Sources: 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, 2002-2019**

**ALL RACES**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
<20	1.9	1.9	1.8	1.8	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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
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
30+	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
<b>Delaware</b>	2.0	1.9	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.8
<20	2.4	2.4	2.4	2.7	2.4	2.3	2.3	2.2	1.9	1.8	1.6	1.6	1.5	1.7
20-24	1.9	1.9	1.9	1.9	1.7	1.7	1.8	1.7	1.7	1.8	1.8	1.8	1.8	2.0
25-29	1.8	1.7	1.6	1.6	1.6	1.6	1.7	1.6	1.7	1.8	1.8	1.8	1.8	1.8
30+	2.0	1.9	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.6	1.7
<b>Kent</b>	1.8	1.8	1.7	1.7	1.5	1.5	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.6
<20	2.2	2.7	2.6	3.0	2.0	2.1	1.6	1.8	1.6	1.8	1.6	1.9	1.8	1.6
20-24	2.1	2.0	1.8	1.6	1.4	1.3	1.4	1.4	1.5	1.8	1.8	1.8	1.9	1.8
25-29	1.5	1.5	1.4	1.3	1.2	1.2	1.3	1.2	1.3	1.5	1.7	1.7	1.7	1.6
30+	1.6	1.5	1.7	1.9	1.7	1.8	1.7	1.7	1.5	1.7	1.7	1.6	1.5	1.6
<b>New Castle</b>	2.1	2.0	2.0	2.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9
<20	2.8	2.7	2.7	2.8	2.5	2.3	2.4	2.3	2.0	1.8	1.5	1.4	1.4	2.1
20-24	1.9	2.0	2.2	2.3	2.1	2.1	2.1	2.0	2.0	2.1	2.1	2.1	2.0	2.2
25-29	1.8	1.7	1.7	1.8	1.9	2.0	2.1	2.0	2.1	2.1	2.1	1.9	2.1	2.0
30+	2.2	2.1	1.9	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8
<b>Wilmington</b>	3.1	3.0	2.8	3.1	3.1	2.8	2.9	2.8	2.6	2.5	2.8	2.8	2.9	3.1
<20	2.9	2.6	3.0	3.2	3.2	2.3	2.7	2.2	2.0	1.9	2.2	2.1	1.7	1.7
20-24	3.2	3.1	2.7	2.8	2.4	2.4	2.7	2.9	2.9	3.0	3.1	3.0	3.0	3.1
25-29	3.5	3.5	3.3	3.2	3.5	3.1	2.9	2.7	2.5	2.5	2.8	3.0	3.6	3.8
30+	2.7	2.7	2.4	3.2	3.3	3.1	3.1	3.1	2.6	2.4	2.6	2.6	2.7	3.0
<b>Balance of NC County</b>	1.9	1.9	1.8	1.9	1.8	1.9	1.8	1.8	1.8	1.9	1.8	1.8	1.7	1.7
<20	2.8	2.7	2.6	2.6	2.1	2.3	2.3	2.3	2.1	1.8	1.2	1.2	1.3	2.2
20-24	1.5	1.7	2.0	2.1	2.0	2.0	1.9	1.8	1.7	1.8	1.8	1.8	1.8	1.9
25-29	1.5	1.4	1.4	1.5	1.7	1.8	1.9	1.9	2.0	2.0	1.9	1.8	1.8	1.7
30+	2.1	2.1	1.9	1.9	1.8	1.7	1.7	1.8	1.8	1.9	1.8	1.8	1.6	1.6
<b>Sussex</b>	1.7	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.3	1.4
<20	1.7	1.6	1.7	2.2	2.4	2.3	2.5	2.2	1.9	1.7	1.8	1.6	1.4	1.2
20-24	1.5	1.4	1.3	1.3	1.3	1.4	1.5	1.5	1.3	1.2	1.3	1.4	1.5	1.8
25-29	1.9	1.8	1.6	1.3	1.2	1.0	0.8	1.1	1.3	1.2	1.3	1.5	1.3	1.2
30+	1.5	1.3	1.4	1.5	1.5	1.5	1.6	1.5	1.4	1.4	1.3	1.3	1.3	1.4

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, AND DELAWARE, 2002-2019**

**NON-HISPANIC WHITE**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<20	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5
20-24	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
25-29	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
30+	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.0
<b>Delaware</b>	1.5	1.4	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.1	1.1
<20	2.1	2.0	2.0	2.1	1.6	1.4	1.5	1.3	1.2	1.1	1.2	1.1	1.6	1.6
20-24	1.4	1.3	1.5	1.5	1.4	1.3	1.3	1.1	1.1	1.2	1.3	1.3	1.3	1.3
25-29	1.4	1.3	1.2	1.2	1.2	1.1	1.1	1.1	1.2	1.2	1.3	1.2	1.0	1.0
30+	1.5	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.1	1.1
<b>Kent</b>	1.3	1.2	1.2	1.1	1.1	1.1	1.1	1.0	1.1	1.2	1.3	1.2	1.1	1.1
<20	1.4	1.5	1.5	1.8	1.3	1.2	0.9	0.8	0.5	0.6	1.0	1.1	1.1	0.9
20-24	1.7	1.4	1.3	1.1	1.1	0.9	1.0	0.9	1.1	1.2	1.4	1.3	1.3	1.1
25-29	1.0	1.0	1.0	0.8	0.9	1.0	1.3	1.2	1.2	1.3	1.3	1.0	1.1	1.0
30+	1.3	1.1	1.2	1.3	1.1	1.2	1.1	1.1	1.0	1.2	1.3	1.2	1.1	1.2
<b>New Castle</b>	1.5	1.4	1.4	1.4	1.3	1.2	1.3	1.2	1.2	1.3	1.4	1.3	1.2	1.2
<20	2.4	2.3	2.3	2.1	1.1	1.1	1.3	0.9	0.9	1.1	1.4	1.1	2.3	2.6
20-24	1.3	1.4	1.8	1.9	1.7	1.5	1.5	1.3	1.3	1.3	1.5	1.4	1.2	1.2
25-29	1.4	1.3	1.2	1.3	1.4	1.2	1.3	1.2	1.1	1.1	1.2	1.1	1.1	1.2
30+	1.5	1.4	1.3	1.3	1.2	1.2	1.3	1.2	1.2	1.3	1.4	1.3	1.2	1.1
<b>Wilmington</b>	1.4	1.1	0.8	1.2	1.3	1.0	1.3	1.5	1.3	1.5	2.2	2.1	1.9	2.1
<20	1.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.9	4.3	6.1	7.7
20-24	2.4	1.7	1.8	1.7	1.1	0.0	0.5	1.6	1.9	2.1	3.9	3.5	1.9	1.9
25-29	2.5	2.1	1.2	1.1	1.1	0.8	0.8	0.6	0.9	0.6	1.6	1.8	1.8	2.0
30+	0.7	0.4	0.4	1.1	1.6	1.4	1.9	2.1	1.5	1.7	2.1	2.0	1.7	1.9
<b>Balance of NC County</b>	1.5	1.5	1.4	1.4	1.3	1.3	1.3	1.2	1.2	1.3	1.3	1.2	1.1	1.1
<20	2.5	2.3	2.4	2.2	1.2	1.2	1.4	1.0	1.0	1.0	1.3	0.8	1.9	2.2
20-24	1.2	1.4	1.8	1.9	1.8	1.6	1.5	1.3	1.2	1.3	1.3	1.2	1.2	1.1
25-29	1.4	1.3	1.2	1.4	1.4	1.2	1.3	1.2	1.2	1.2	1.2	1.1	1.0	1.2
30+	1.6	1.5	1.3	1.3	1.2	1.2	1.2	1.1	1.2	1.3	1.4	1.2	1.2	1.1
<b>Sussex</b>	1.5	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.1	1.1	1.1	1.0	1.1
<20	2.3	2.0	2.0	2.5	2.6	2.2	2.2	2.2	1.9	1.5	1.0	1.1	1.0	0.8
20-24	1.3	1.1	1.2	1.2	1.2	1.3	1.4	1.2	1.0	0.9	1.1	1.2	1.3	1.7
25-29	1.4	1.5	1.2	1.1	1.1	0.9	0.6	1.0	1.3	1.3	1.4	1.4	0.9	0.8
30+	1.4	1.1	1.1	1.1	1.0	1.1	1.3	1.3	1.1	1.1	0.9	0.8	0.8	1.1

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, AND DELAWARE, 2002-2019**

**NON-HISPANIC BLACK**

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	3.2	3.2	3.2	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.9	2.9	2.9
<20	3.0	3.0	3.0	3.0	2.9	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7
20-24	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.7
25-29	3.1	3.1	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.8	2.7	2.7	2.7	2.7
30+	3.8	3.8	3.8	3.7	3.7	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.2
<b>Delaware</b>	3.6	3.6	3.5	3.6	3.4	3.4	3.3	3.3	3.2	3.2	3.0	3.1	3.1	3.2
<20	3.2	3.3	3.5	4.0	3.8	3.5	3.4	3.3	2.9	2.7	1.9	2.1	1.6	2.3
20-24	3.2	3.3	3.2	3.1	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.2
25-29	3.5	3.4	3.4	3.2	3.3	3.3	3.3	3.1	3.2	3.2	3.1	3.1	3.4	3.2
30+	4.4	4.2	4.0	4.3	4.2	4.1	3.7	3.8	3.6	3.5	3.4	3.6	3.3	3.4
<b>Kent</b>	3.3	3.6	3.3	3.2	2.6	2.5	2.3	2.4	2.3	2.7	2.8	3.0	3.0	2.9
<20	3.2	4.3	3.9	4.7	3.2	3.7	2.9	3.5	3.4	4.0	2.2	2.8	2.5	2.1
20-24	3.3	3.5	3.3	2.7	2.1	2.0	2.0	2.2	2.3	2.6	2.6	2.9	3.0	3.1
25-29	3.4	3.3	2.8	2.5	2.0	1.5	1.3	1.1	1.5	2.1	2.8	3.1	3.3	2.9
30+	3.6	3.4	3.4	4.0	3.6	3.6	3.5	3.4	2.6	2.8	3.1	2.9	2.7	3.0
<b>New Castle</b>	3.8	3.8	3.7	3.8	3.8	3.7	3.6	3.6	3.5	3.5	3.2	3.3	3.2	3.3
<20	3.6	3.5	3.7	4.0	3.9	3.4	3.3	3.2	2.9	2.4	1.6	1.9	1.4	2.5
20-24	3.2	3.4	3.3	3.5	3.1	3.2	3.2	3.1	3.0	3.1	2.9	2.9	2.9	3.2
25-29	3.4	3.3	3.5	3.4	3.8	4.0	4.0	3.8	3.9	3.9	3.5	3.2	3.6	3.3
30+	4.7	4.6	4.2	4.4	4.3	4.2	3.7	4.0	3.9	3.8	3.6	3.9	3.5	3.6
<b>Wilmington</b>	4.2	4.1	3.9	4.1	4.0	3.8	3.6	3.6	3.4	3.2	3.2	3.4	3.8	3.9
<20	3.5	3.2	3.5	3.9	3.9	2.7	2.9	2.7	2.4	2.0	2.0	2.2	1.3	1.4
20-24	3.8	3.7	3.2	3.3	2.9	3.0	3.3	3.3	3.4	3.6	3.3	3.3	3.7	3.7
25-29	4.6	4.7	4.9	4.5	4.9	4.6	4.2	3.9	3.7	3.6	3.6	3.8	4.7	4.8
30+	5.3	5.3	4.4	5.2	5.0	4.9	4.0	4.2	3.6	3.1	3.3	3.7	3.8	4.1
<b>Balance of NC County</b>	3.5	3.5	3.6	3.6	3.6	3.7	3.5	3.6	3.6	3.6	3.2	3.2	3.0	3.1
<20	3.8	3.9	4.0	4.0	3.9	4.1	3.6	3.7	3.3	2.8	1.4	1.7	1.4	3.5
20-24	2.7	3.1	3.4	3.6	3.3	3.3	3.1	3.1	2.9	2.8	2.7	2.7	2.4	2.9
25-29	2.8	2.6	2.8	2.7	3.2	3.6	3.9	3.7	4.0	4.0	3.4	3.0	3.1	2.7
30+	4.4	4.4	4.1	4.1	4.1	3.9	3.6	3.9	4.0	4.1	3.6	3.9	3.5	3.4
<b>Sussex</b>	3.0	2.8	3.0	3.0	3.1	3.0	3.3	3.0	2.9	2.3	2.6	2.7	2.7	3.0
<20	1.9	1.8	2.6	3.3	3.9	3.9	4.4	3.2	2.2	2.1	2.7	1.8	1.5	2.0
20-24	3.1	2.9	2.5	2.3	2.3	2.1	2.5	2.8	2.8	2.5	3.0	2.7	2.9	3.8
25-29	3.9	3.8	3.7	3.3	2.5	2.9	2.9	2.7	2.3	1.9	2.1	2.5	2.5	2.9
30+	3.3	2.6	3.6	3.8	4.9	4.2	4.2	3.4	3.9	2.7	2.5	3.2	3.0	2.6

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, 2002-2019**

**HISPANIC ORIGIN\***

Area/ Age	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3
<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
20-24	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
25-29	1.0	1.0	1.0	1.1	1.1	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1
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
<b>Delaware</b>	1.3	1.2	1.1	1.2	1.1	1.3	1.3	1.3	1.4	1.5	1.4	1.4	1.5	1.5
<20	1.4	1.4	1.2	1.2	0.9	1.2	1.5	1.5	1.5	1.7	1.8	1.5	1.4	1.1
20-24	0.8	0.9	0.8	0.9	0.8	1.0	0.9	0.9	0.9	1.0	1.0	1.1	1.2	1.3
25-29	1.3	1.1	1.0	1.1	1.0	1.1	1.1	1.1	1.4	1.5	1.6	1.7	1.9	1.9
30+	1.8	1.6	1.6	1.7	1.5	1.8	1.9	1.7	1.7	1.8	1.4	1.4	1.4	1.4
<b>Kent</b>	1.4	1.3	1.5	1.6	1.1	1.7	1.7	1.5	1.8	2.0	1.8	1.7	1.4	1.4
<20	2.5	2.3	2.1	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.2	2.4	2.6
20-24	1.2	1.1	1.0	1.3	1.4	1.7	2.0	1.7	2.0	2.2	1.3	1.0	0.9	1.3
25-29	1.8	1.0	1.4	1.7	1.2	1.5	1.2	1.6	1.1	1.4	2.3	2.4	1.7	2.0
30+	0.6	1.1	1.9	1.7	1.4	2.8	2.6	1.8	3.0	3.0	1.8	1.4	1.2	0.6
<b>New Castle</b>	1.5	1.4	1.3	1.4	1.3	1.5	1.6	1.6	1.6	1.7	1.6	1.6	1.6	1.7
<20	1.7	1.6	1.5	1.4	1.3	1.7	2.2	2.1	1.7	1.8	1.3	1.1	0.8	0.9
20-24	1.0	1.1	1.0	1.1	0.9	0.9	0.8	0.9	0.9	1.1	1.5	1.6	1.8	1.9
25-29	1.1	1.1	1.1	1.2	1.3	1.6	1.7	1.6	2.0	2.2	1.9	2.0	2.3	2.3
30+	2.4	1.9	1.9	2.0	1.8	2.0	2.2	2.2	1.9	1.8	1.4	1.4	1.3	1.4
<b>Wilmington</b>	1.6	1.5	1.7	1.9	2.1	1.6	2.2	1.9	1.8	1.5	2.1	1.6	1.7	1.8
<20	1.2	0.9	1.9	1.5	1.7	1.2	2.8	1.5	1.7	1.9	3.3	1.1	1.2	1.3
20-24	1.5	1.7	1.5	1.6	1.7	1.3	1.2	1.7	1.3	1.0	1.9	1.9	1.4	1.9
25-29	2.2	1.8	1.7	2.1	2.5	1.2	1.7	1.3	0.9	1.0	1.5	1.0	1.5	2.0
30+	1.4	1.3	1.8	2.7	2.8	2.9	3.9	3.3	3.2	2.3	2.2	2.0	2.3	1.8
<b>Balance of NC County</b>	1.4	1.3	1.2	1.3	1.1	1.5	1.5	1.6	1.6	1.8	1.5	1.6	1.6	1.7
<20	2.0	1.9	1.3	1.4	1.1	1.9	2.0	2.3	1.7	1.8	0.7	1.0	0.7	0.8
20-24	0.8	0.8	0.8	0.9	0.6	0.8	0.7	0.6	0.8	1.1	1.4	1.5	1.9	1.9
25-29	0.8	0.9	0.9	1.0	1.0	1.7	1.7	1.7	2.3	2.4	2.0	2.2	2.4	2.3
30+	2.6	2.1	1.9	1.9	1.7	1.8	1.9	2.0	1.6	1.7	1.3	1.2	1.1	1.4
<b>Sussex</b>	0.8	0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.8	1.0	1.0	1.1	1.3	1.2
<20	0.3	0.6	0.3	0.5	0.5	0.6	0.7	0.9	1.5	2.0	2.7	2.0	2.0	1.1
20-24	0.5	0.4	0.4	0.6	0.6	0.9	0.7	0.7	0.5	0.3	0.0	0.4	0.3	0.3
25-29	1.5	1.0	0.9	0.6	0.5	0.2	0.1	0.3	0.5	0.7	0.7	1.0	1.4	1.2
30+	0.8	0.9	0.9	1.0	1.0	1.1	1.3	1.0	1.0	1.4	1.3	1.3	1.5	1.7

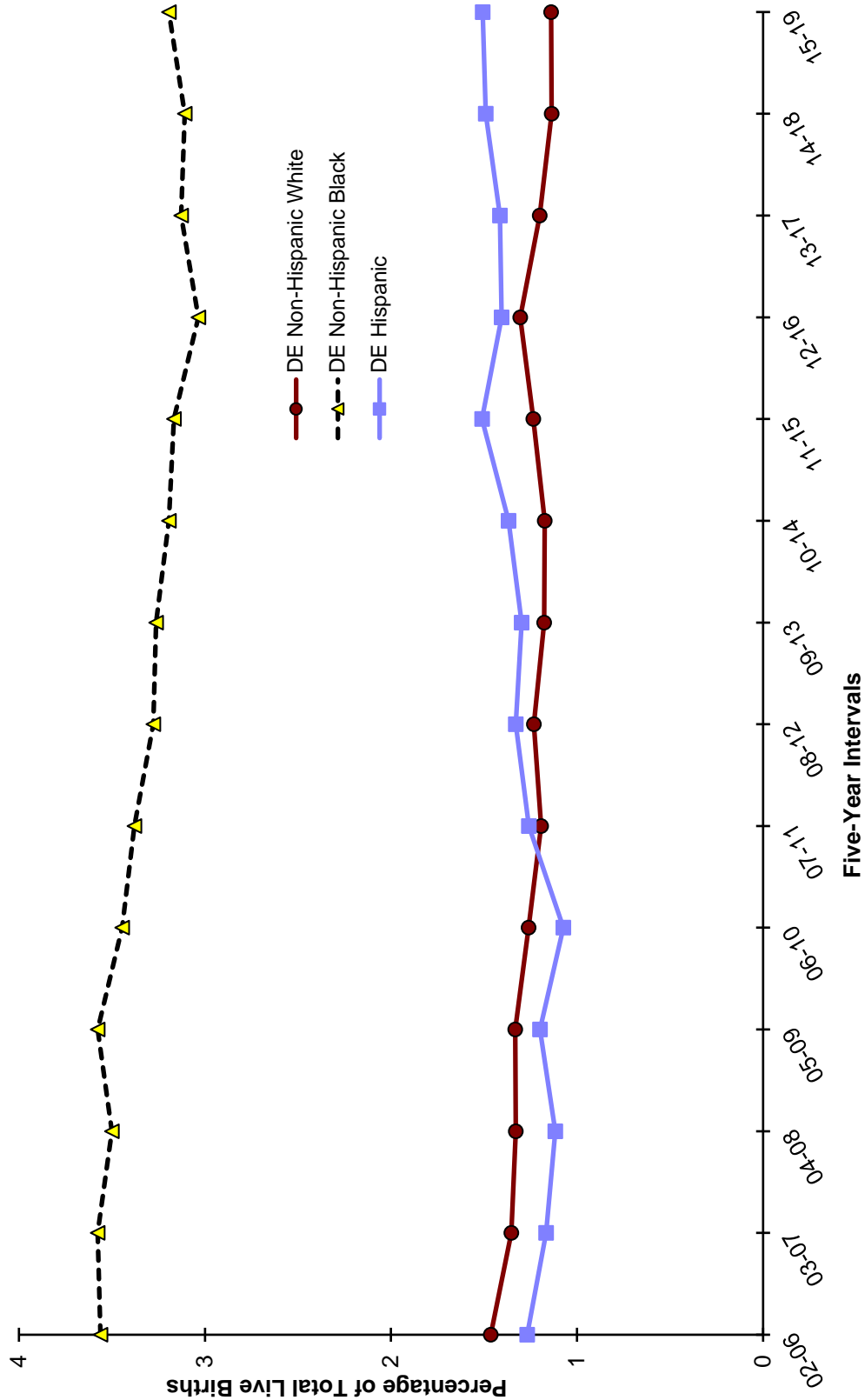
Notes:

\*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

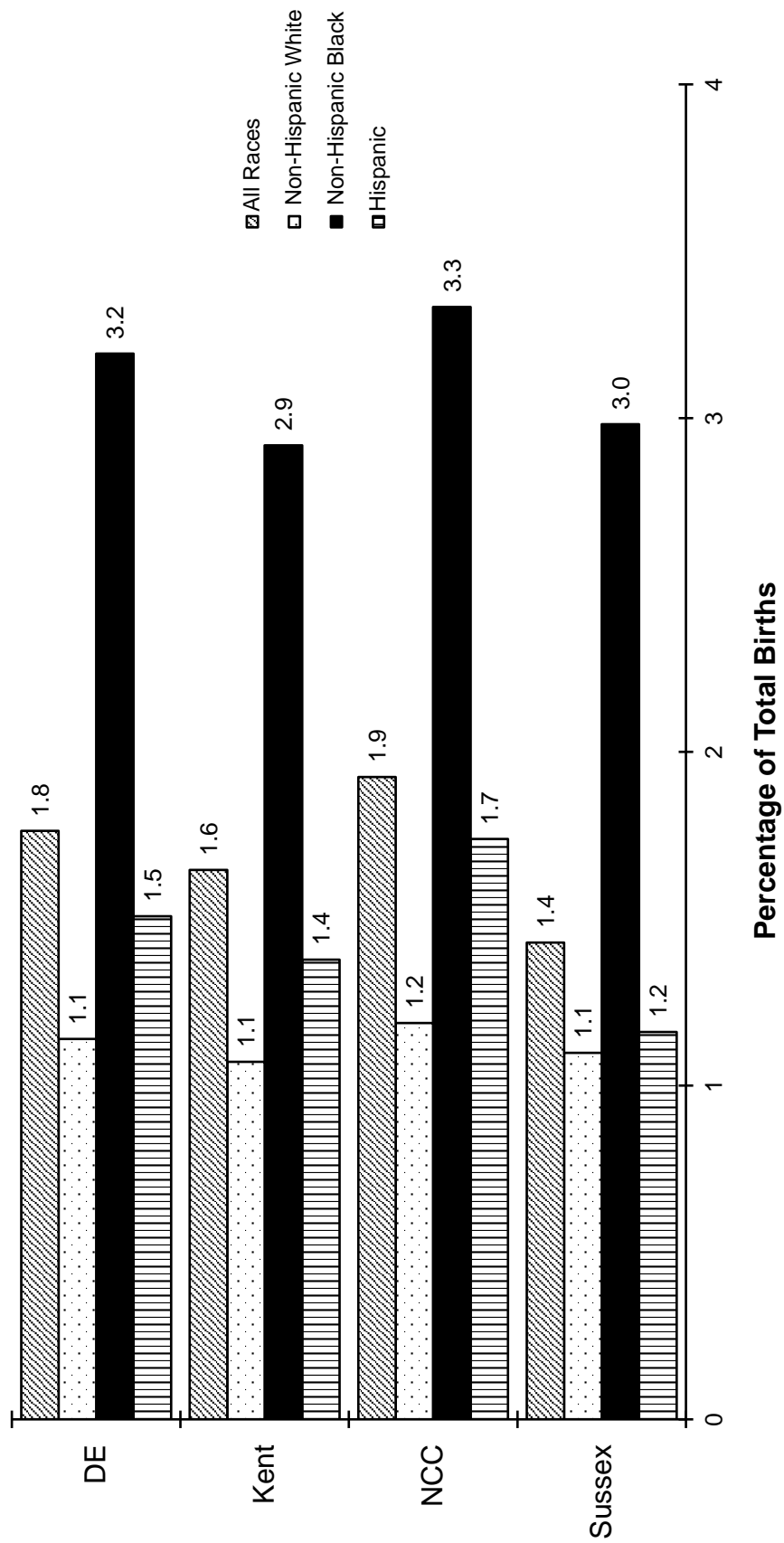
Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure C-13. Five-Year Average Percentage of Very Low Birthweight Births (<1500 Grams), by Race and Hispanic Origin\*, Delaware and Counties, 2002-2019**



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 (<1500 Grams), by Race, Delaware and Counties, 2015-2019**



Note: \*Hispanic may be of any race.  
 Sources: 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, 2019**

Area/ Birthweight	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10,328	6	115	324	1,810	3,129	3,080	1,517	347	0
<2500	974	0	11	37	179	267	288	151	41	0
<1500	202	0	3	8	43	57	51	32	8	0
<500	24	0	0	1	6	7	4	6	0	0
500-749	41	0	1	3	10	13	6	7	1	0
750-999	41	0	2	2	9	13	10	4	1	0
1000-1499	96	0	0	2	18	24	31	15	6	0
1500-1999	202	0	4	6	29	66	53	38	6	0
2000-2499	570	0	4	23	107	144	184	81	27	0
2500+	9,350	6	104	287	1,630	2,862	2,790	1,365	306	0
Unknown	4	0	0	0	1	0	2	1	0	0
<b>Kent</b>	2,044	0	19	56	433	671	563	238	64	0
<2500	178	0	0	5	35	56	52	25	5	0
<1500	33	0	0	1	7	10	8	4	3	0
<500	3	0	0	0	1	1	1	0	0	0
500-749	6	0	0	1	0	2	0	3	0	0
750-999	5	0	0	0	1	3	0	0	1	0
1000-1499	19	0	0	0	5	4	7	1	2	0
1500-1999	37	0	0	0	8	14	7	8	0	0
2000-2499	108	0	0	4	20	32	37	13	2	0
2500+	1,866	0	19	51	398	615	511	213	59	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6,016	2	59	157	915	1,763	1,935	974	211	0
<2500	575	0	9	22	98	161	168	90	27	0
<1500	129	0	3	6	23	39	34	20	4	0
<500	20	0	0	1	4	6	3	6	0	0
500-749	27	0	1	1	7	10	4	4	0	0
750-999	25	0	2	2	3	7	8	3	0	0
1000-1499	57	0	0	2	9	16	19	7	4	0
1500-1999	121	0	3	2	16	38	38	19	5	0
2000-2499	325	0	3	14	59	84	96	51	18	0
2500+	5,437	2	50	135	816	1,602	1,765	883	184	0
Unknown	4	0	0	0	1	0	2	1	0	0
<b>Wilmington</b>	826	1	24	47	191	239	198	102	24	0
<2500	126	0	4	6	31	36	31	13	5	0
<1500	29	0	1	0	6	9	9	4	0	0
<500	4	0	0	0	1	1	1	1	0	0
500-749	5	0	0	0	1	0	3	1	0	0
750-999	4	0	1	0	1	1	1	0	0	0
1000-1499	16	0	0	0	3	7	4	2	0	0
1500-1999	31	0	2	1	2	10	9	6	1	0
2000-2499	66	0	1	5	23	17	13	3	4	0
2500+	699	1	20	41	160	203	167	88	19	0
Unknown	1	0	0	0	0	0	0	1	0	0
<b>Balance of NC County</b>	5,190	1	35	110	724	1,524	1,737	872	187	0
<2500	449	0	5	16	67	125	137	77	22	0
<1500	100	0	2	6	17	30	25	16	4	0
<500	16	0	0	1	3	5	2	5	0	0
500-749	22	0	1	1	6	10	1	3	0	0
750-999	21	0	1	2	2	6	7	3	0	0
1000-1499	41	0	0	2	6	9	15	5	4	0
1500-1999	90	0	1	1	14	28	29	13	4	0
2000-2499	259	0	2	9	36	67	83	48	14	0
2500+	4,738	1	30	94	656	1,399	1,598	795	165	0
Unknown	3	0	0	0	1	0	2	0	0	0
<b>Sussex</b>	2,268	4	37	111	462	695	582	305	72	0
<2500	221	0	2	10	46	50	68	36	9	0
<1500	40	0	0	1	13	8	9	8	1	0
<500	1	0	0	0	1	0	0	0	0	0
500-749	8	0	0	1	3	1	2	0	1	0
750-999	11	0	0	0	5	3	2	1	0	0
1000-1499	20	0	0	0	4	4	5	7	0	0
1500-1999	44	0	1	4	5	14	8	11	1	0
2000-2499	137	0	1	5	28	28	51	17	7	0
2500+	2,047	4	35	101	416	645	514	269	63	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, 2019**

Area/ Birthweight	Race				Hispanic
	All Races	Non-Hispanic White	Non-Hispanic Black	Non-Hispanic Other	
<b>Delaware</b>	10,328	4,857	2,856	863	1,752
<2500	974	364	408	65	137
<1500	202	58	103	13	28
<500	24	1	14	3	6
500-749	41	12	22	2	5
750-999	41	14	23	2	2
1000-1499	96	31	44	6	15
1500-1999	202	69	96	11	26
2000-2499	570	237	209	41	83
2500+	9,350	4,491	2,448	798	1,613
Unknown	4	2	0	0	2
<b>Kent</b>	2,044	1,059	638	127	220
<2500	178	67	85	9	17
<1500	33	10	16	2	5
<500	3	0	2	1	0
500-749	6	2	3	1	0
750-999	5	2	2	0	1
1000-1499	19	6	9	0	4
1500-1999	37	10	22	3	2
2000-2499	108	47	47	4	10
2500+	1,866	992	553	118	203
Unknown	0	0	0	0	0
<b>New Castle</b>	6,016	2,555	1,838	647	976
<2500	575	177	264	49	85
<1500	129	28	71	11	19
<500	20	0	12	2	6
500-749	27	6	16	1	4
750-999	25	8	14	2	1
1000-1499	57	14	29	6	8
1500-1999	121	36	60	8	17
2000-2499	325	113	133	30	49
2500+	5,437	2,376	1,574	598	889
Unknown	4	2	0	0	2
<b>Wilmington</b>	826	162	514	19	131
<2500	126	13	90	3	20
<1500	29	2	23	1	3
<500	4	0	3	0	1
500-749	5	0	5	0	0
750-999	4	1	3	0	0
1000-1499	16	1	12	1	2
1500-1999	31	3	22	1	5
2000-2499	66	8	45	1	12
2500+	699	149	424	16	110
Unknown	1	0	0	0	1
<b>Balance of NC County</b>	5,190	2,393	1,324	628	845
<2500	449	164	174	46	65
<1500	100	26	48	10	16
<500	16	0	9	2	5
500-749	22	6	11	1	4
750-999	21	7	11	2	1
1000-1499	41	13	17	5	6
1500-1999	90	33	38	7	12
2000-2499	259	105	88	29	37
2500+	4,738	2,227	1,150	582	779
Unknown	3	2	0	0	1
<b>Sussex</b>	2,268	1,243	380	89	556
<2500	221	120	59	7	35
<1500	40	20	16	0	4
<500	1	1	0	0	0
500-749	8	4	3	0	1
750-999	11	4	7	0	0
1000-1499	20	11	6	0	3
1500-1999	44	23	14	0	7
2000-2499	137	77	29	7	24
2500+	2,047	1,123	321	82	521
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, 2019**

Race-Origin/ Weeks	Age							
	Total	<20	20-24	25-29	30-34	35-39	40+	Unknown
<b>All Races</b>	10,328	445	1,810	3,129	3,080	1,517	347	0
<20 Weeks	8	0	2	1	2	3	0	0
20-27 Weeks	92	8	21	30	15	17	1	0
28-31 Weeks	107	2	17	30	38	11	9	0
32-35 Weeks	493	22	89	130	143	87	22	0
36 Weeks	400	18	56	113	124	65	24	0
37-39 Weeks	6,437	243	1,090	1,944	1,919	1,011	230	0
40 Weeks	2,218	117	433	701	649	264	54	0
41 Weeks	552	32	99	172	185	58	6	0
42+ Weeks	20	2	3	8	5	1	1	0
Unknown	1	1	0	0	0	0	0	0
<b>Non-Hispanic White</b>	4,857	80	653	1,494	1,701	774	155	0
<20 Weeks	1	0	1	0	0	0	0	0
20-27 Weeks	25	0	4	13	3	5	0	0
28-31 Weeks	36	0	3	11	17	4	1	0
32-35 Weeks	217	8	27	54	78	45	5	0
36 Weeks	180	3	23	57	63	24	10	0
37-39 Weeks	3,025	35	402	922	1,052	509	105	0
40 Weeks	1,069	28	153	348	363	148	29	0
41 Weeks	291	6	38	85	120	38	4	0
42+ Weeks	13	0	2	4	5	1	1	0
Unknown	0	0	0	0	0	0	0	0
<b>Non-Hispanic Black</b>	2,856	219	661	854	649	373	100	0
<20 Weeks	3	0	0	1	0	2	0	0
20-27 Weeks	52	8	14	9	10	10	1	0
28-31 Weeks	46	2	13	10	14	5	2	0
32-35 Weeks	168	8	41	56	34	19	10	0
36 Weeks	132	11	19	35	34	22	11	0
37-39 Weeks	1,778	126	393	526	416	252	65	0
40 Weeks	559	53	152	172	118	55	9	0
41 Weeks	115	11	28	43	23	8	2	0
42+ Weeks	3	0	1	2	0	0	0	0
Unknown	0	0	0	0	0	0	0	0
<b>Non-Hispanic Other</b>	863	14	90	248	322	163	26	0
<20 Weeks	1	0	0	0	0	1	0	0
20-27 Weeks	5	0	0	4	0	1	0	0
28-31 Weeks	8	0	0	1	5	0	2	0
32-35 Weeks	27	1	5	3	8	10	0	0
36 Weeks	28	0	3	6	10	8	1	0
37-39 Weeks	541	6	54	154	195	117	15	0
40 Weeks	207	4	24	66	83	22	8	0
41 Weeks	45	3	4	13	21	4	0	0
42+ Weeks	1	0	0	1	0	0	0	0
Unknown	0	0	0	0	0	0	0	0
<b>Hispanic Origin*</b>	1,752	132	406	533	408	207	66	0
<20 Weeks	3	0	1	0	2	0	0	0
20-27 Weeks	10	0	3	4	2	1	0	0
28-31 Weeks	17	0	1	8	2	2	4	0
32-35 Weeks	81	5	16	17	23	13	7	0
36 Weeks	60	4	11	15	17	11	2	0
37-39 Weeks	1,093	76	241	342	256	133	45	0
40 Weeks	383	32	104	115	85	39	8	0
41 Weeks	101	12	29	31	21	8	0	0
42+ Weeks	3	2	0	1	0	0	0	0
Unknown	1	1	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-34. NUMBER OF LIVE BIRTHS BY RACE AND HISPANIC ORIGIN OF MOTHER, BIRTHWEIGHT, AND WEEKS OF GESTATION, DELAWARE, 2019**

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>	10,328	100	107	493	400	6,437	2,218	552	20	1
<500	24	24	0	0	0	0	0	0	0	0
500-999	82	60	20	2	0	0	0	0	0	0
1000-1499	96	14	55	26	0	1	0	0	0	0
1500-1999	202	2	26	135	15	24	0	0	0	0
2000-2499	570	0	3	195	112	251	8	1	0	0
2500-2999	1,940	0	0	106	150	1,445	213	25	0	1
3000-3499	3,974	0	2	23	93	2,718	933	195	10	0
3500-3999	2,663	0	1	3	26	1,577	810	243	3	0
4000-4499	669	0	0	1	2	361	222	78	5	0
4500+	104	0	0	0	1	59	32	10	2	0
Unknown	4	0	0	2	1	1	0	0	0	0
<b>Non-Hispanic White</b>	4,857	26	36	217	180	3,025	1,069	291	13	0
<500	1	1	0	0	0	0	0	0	0	0
500-999	26	18	7	1	0	0	0	0	0	0
1000-1499	31	7	17	7	0	0	0	0	0	0
1500-1999	69	0	10	49	4	6	0	0	0	0
2000-2499	237	0	0	98	42	95	2	0	0	0
2500-2999	733	0	0	48	71	535	67	12	0	0
3000-3499	1,761	0	1	11	45	1,211	399	88	6	0
3500-3999	1,504	0	1	1	15	920	437	128	2	0
4000-4499	431	0	0	0	2	223	146	56	4	0
4500+	62	0	0	0	1	35	18	7	1	0
Unknown	2	0	0	2	0	0	0	0	0	0
<b>Non-Hispanic Black</b>	2,856	55	46	168	132	1,778	559	115	3	0
<500	14	14	0	0	0	0	0	0	0	0
500-999	45	33	12	0	0	0	0	0	0	0
1000-1499	44	7	25	11	0	1	0	0	0	0
1500-1999	96	1	8	66	7	14	0	0	0	0
2000-2499	209	0	1	53	53	100	1	1	0	0
2500-2999	671	0	0	31	42	510	81	7	0	0
3000-3499	1,088	0	0	5	23	756	252	49	3	0
3500-3999	553	0	0	1	7	308	186	51	0	0
4000-4499	111	0	0	1	0	75	30	5	0	0
4500+	25	0	0	0	0	14	9	2	0	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Non-Hispanic Other</b>	863	6	8	27	28	541	207	45	1	0
<500	3	3	0	0	0	0	0	0	0	0
500-999	4	3	1	0	0	0	0	0	0	0
1000-1499	6	0	5	1	0	0	0	0	0	0
1500-1999	11	0	1	8	2	0	0	0	0	0
2000-2499	41	0	1	10	5	24	1	0	0	0
2500-2999	205	0	0	6	16	154	26	3	0	0
3000-3499	373	0	0	2	2	239	108	22	0	0
3500-3999	177	0	0	0	3	101	57	15	1	0
4000-4499	39	0	0	0	0	21	13	5	0	0
4500+	4	0	0	0	0	2	2	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Hispanic Origin*</b>	1,752	13	17	81	60	1,093	383	101	3	1
<500	6	6	0	0	0	0	0	0	0	0
500-999	7	6	0	1	0	0	0	0	0	0
1000-1499	15	0	8	7	0	0	0	0	0	0
1500-1999	26	1	7	12	2	4	0	0	0	0
2000-2499	83	0	1	34	12	32	4	0	0	0
2500-2999	331	0	0	21	21	246	39	3	0	1
3000-3499	752	0	1	5	23	512	174	36	1	0
3500-3999	429	0	0	1	1	248	130	49	0	0
4000-4499	88	0	0	0	0	42	33	12	1	0
4500+	13	0	0	0	0	8	3	1	1	0
Unknown	2	0	0	0	1	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-35. NUMBER AND PERCENTAGE OF LIVE BIRTHS BY RACE, HISPANIC ORIGIN, AGE OF MOTHER, AND PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY, DELAWARE, 2019**

Race-Origin/ Age	Source of Payment													
	Total		Medicaid		Private Insurance		Self Pay		Other		Other Government		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	10,328	100	4,517	44	5,243	51	221	2	0	0	280	3	67	1
<20	445	100	334	75	93	21	10	2	0	0	6	1	2	0
20-24	1,810	100	1,131	62	566	31	44	2	0	0	57	3	12	1
25-29	3,129	100	1,431	46	1,516	48	65	2	0	0	100	3	17	1
30-34	3,080	100	990	32	1,930	63	55	2	0	0	86	3	19	1
35+	1,864	100	631	34	1,138	61	47	3	0	0	31	2	17	1
Unknown	0	...	0	...	0	...	0	...	0	...	0	...	0	...
<b>White Non-Hispanic</b>	4,857	100	1,406	29	3,164	65	105	2	0	0	157	3	25	1
<20	80	100	50	63	27	34	0	0	0	0	3	4	0	0
20-24	653	100	348	53	248	38	21	3	0	0	29	4	7	1
25-29	1,494	100	471	32	924	62	34	2	0	0	59	4	6	0
30-34	1,701	100	345	20	1,266	74	30	2	0	0	55	3	5	0
35+	929	100	192	21	699	75	20	2	0	0	11	1	7	1
Unknown	0	...	0	...	0	...	0	...	0	...	0	...	0	...
<b>Black Non-Hispanic</b>	2,856	100	1,674	59	1,086	38	43	2	0	0	43	2	10	0
<20	219	100	164	75	51	23	2	1	0	0	1	0	1	0
20-24	661	100	440	67	205	31	6	1	0	0	7	1	3	0
25-29	854	100	523	61	305	36	12	1	0	0	14	2	0	0
30-34	649	100	342	53	281	43	9	1	0	0	13	2	4	1
35+	473	100	205	43	244	52	14	3	0	0	8	2	2	0
Unknown	0	...	0	...	0	...	0	...	0	...	0	...	0	...
<b>Other/Unk Non-Hispanic</b>	863	100	245	28	573	66	14	2	0	0	25	3	6	1
<20	14	100	12	86	2	14	0	0	0	0	0	0	0	0
20-24	90	100	47	52	34	38	2	2	0	0	7	8	0	0
25-29	248	100	76	31	159	64	4	2	0	0	7	3	2	1
30-34	322	100	56	17	255	79	4	1	0	0	4	1	3	1
35+	189	100	54	29	123	65	4	2	0	0	7	4	1	1
Unknown	0	...	0	...	0	...	0	...	0	...	0	...	0	...
<b>Hispanic Origin*</b>	1,752	100	1,192	68	420	24	59	3	0	0	55	3	26	1
<20	132	100	108	82	13	10	8	6	0	0	2	2	1	1
20-24	406	100	296	73	79	19	15	4	0	0	14	3	2	0
25-29	533	100	361	68	128	24	15	3	0	0	20	4	9	2
30-34	408	100	247	61	128	31	12	3	0	0	14	3	7	2
35+	273	100	180	66	72	26	9	3	0	0	5	2	7	3
Unknown	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 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 PERCENTAGE OF LIVE BIRTHS BY RACE, HISPANIC ORIGIN, MARITAL STATUS OF MOTHER, AND PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY, DELAWARE, 2019**

Race-Origin/ Marital Status	Source of Payment													
	Total		Medicaid		Private Insurance		Self Pay		Other		Other Government		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All</b>	10,328	100	4,517	44	5,243	51	221	2	0	0	280	3	67	1
Married	5,451	100	1,178	22	3,858	71	148	3	0	0	241	4	26	0
Single	4,877	100	3,339	68	1,385	28	73	1	0	0	39	1	41	1
<b>Non-Hispanic White</b>	4,857	100	1,406	29	3,164	65	105	2	0	0	157	3	25	1
Married	3,215	100	387	12	2,581	80	92	3	0	0	146	5	9	0
Single	1,642	100	1,019	62	583	36	13	1	0	0	11	1	16	1
<b>Non-Hispanic Black</b>	2,856	100	1,674	59	1,086	38	43	2	0	0	43	2	10	0
Married	822	100	276	34	494	60	21	3	0	0	28	3	3	0
Single	2,034	100	1,398	69	592	29	22	1	0	0	15	1	7	0
<b>Non-Hispanic Other</b>	863	100	245	28	573	66	14	2	0	0	25	3	6	1
Married	704	100	136	19	532	76	11	2	0	0	22	3	3	0
Single	159	100	109	69	41	26	3	2	0	0	3	2	3	2
<b>Hispanic Origin*</b>	1,752	100	1,192	68	420	24	59	3	0	0	55	3	26	1
Married	710	100	379	53	251	35	24	3	0	0	45	6	11	2
Single	1,042	100	813	78	169	16	35	3	0	0	10	1	15	1

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 PERCENTAGE OF LIVE BIRTHS BY RACE, HISPANIC ORIGIN OF MOTHER, METHOD OF DELIVERY, AND PRINCIPAL SOURCE OF PAYMENT FOR DELIVERY, DELAWARE, 2019**

Race-Origin/ Method	Source of Payment													
	Total		Medicaid		Private Insurance		Self Pay		Other		Other Government		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	10,328	100	4,517	100	5,243	100	221	100	0	...	280	100	67	100
Vaginal	7,090	69	3,125	69	3,541	68	164	74	0	...	208	74	52	78
C-section	3,231	31	1,389	31	1,698	32	57	26	0	...	72	26	15	22
Unknown	7	0	3	0	4	0	0	0	0	...	0	0	0	0
<b>Non-Hispanic White</b>	4,857	100	1,406	100	3,164	100	105	100	0	...	157	100	25	100
Vaginal	3,381	70	989	70	2,165	68	84	80	0	...	122	78	21	84
C-section	1,475	30	417	30	998	32	21	20	0	...	35	22	4	16
Unknown	1	0	0	0	1	0	0	0	0	...	0	0	0	0
<b>Non-Hispanic Black</b>	2,856	100	1,674	100	1,086	100	43	100	0	...	43	100	10	100
Vaginal	1,906	67	1,131	68	708	65	30	70	0	...	29	67	8	80
C-section	946	33	541	32	376	35	13	30	0	...	14	33	2	20
Unknown	4	0	2	0	2	0	0	0	0	...	0	0	0	0
<b>Other/Unk Non-Hi</b>	863	100	245	100	573	100	14	100	0	...	25	100	6	100
Vaginal	575	67	160	65	386	67	8	57	0	...	18	72	3	50
C-section	287	33	85	35	186	32	6	43	0	...	7	28	3	50
Unknown	1	0	0	0	1	0	0	0	0	...	0	0	0	0
<b>Hispanic Origin*</b>	1,752	100	1,192	100	420	100	59	100	0	...	55	100	26	100
Vaginal	1,228	70	845	71	282	67	42	71	0	...	39	71	20	77
C-section	523	30	346	29	138	33	17	29	0	...	16	29	6	23
Unknown	1	0	1	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 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, 2019**

Method of Delivery	Number
<b>Total</b>	10,328
<b>Vaginal</b>	7,090
<b>C-Section</b>	3,231
Primary C-Section	1,950
Repeat C-Section	1,281
<b>Unknown</b>	7

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

**TABLE C-39. NUMBER AND PERCENTAGE OF LIVE BIRTHS BY BIRTHWEIGHT IN GRAMS AND METHOD OF DELIVERY, DELAWARE, 2019**

Birth weight	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10,328	100	7,090	69	3,231	31	7	0
<2500	974	100	502	52	470	48	2	0
<1500	202	100	74	37	128	63	0	0
1500-2499	772	100	428	55	342	44	2	0
2500+	9,350	100	6,584	70	2,761	30	5	0
Unknown	4	100	4	100	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 PERCENTAGE OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY, DELAWARE, 2019**

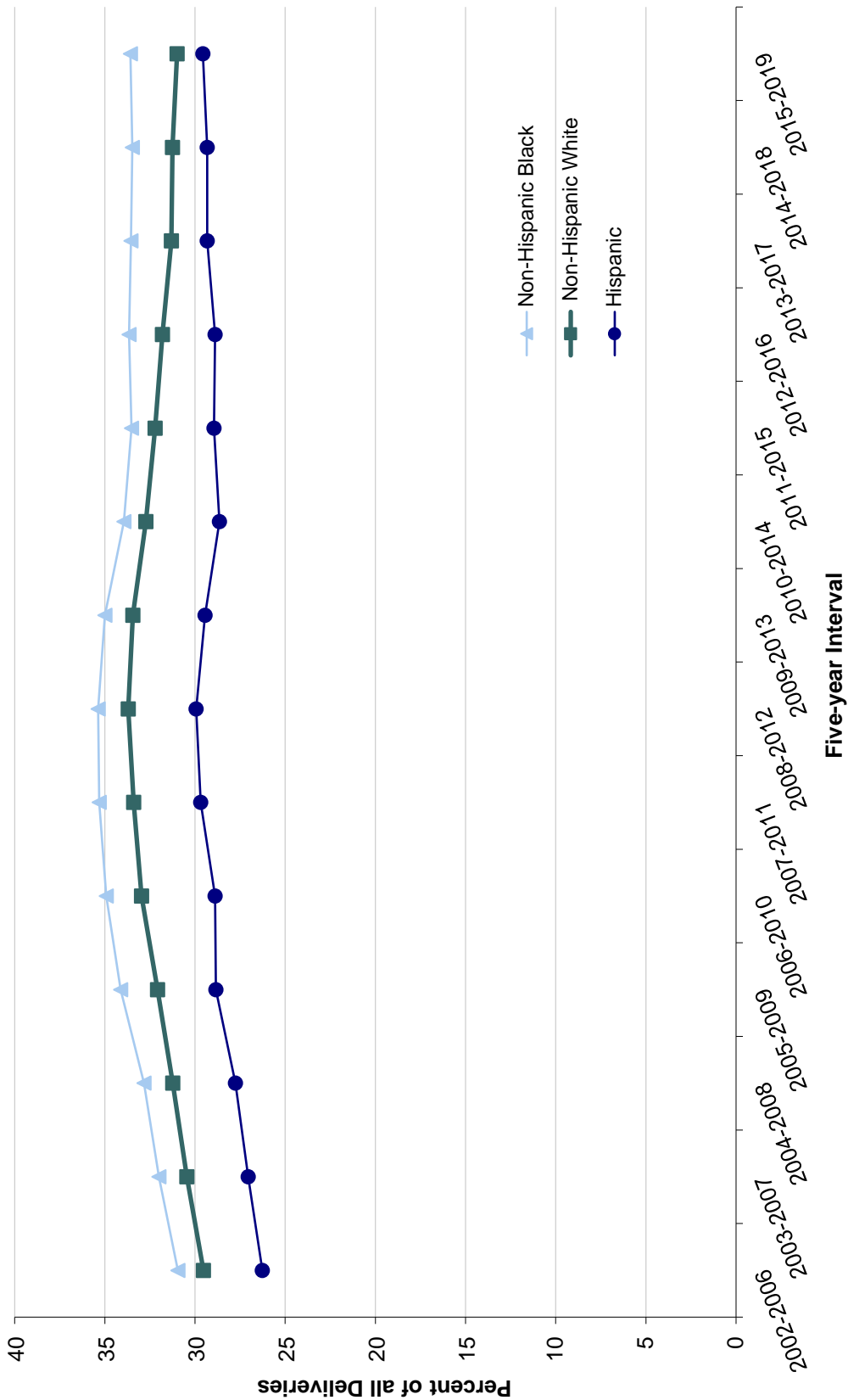
Age	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10,328	100	7,090	69	3,231	31	7	0
<20	445	100	360	81	85	19	0	0
20-24	1,810	100	1,400	77	409	23	1	0
25-29	3,129	100	2,224	71	905	29	0	0
30-34	3,080	100	2,040	66	1,036	34	4	0
35+	1,864	100	1,066	57	796	43	2	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 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 Percentage Births by Cesarean Section Delivery by Race and Ethnicity Delaware, 2002-2019**



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

**TABLE C-41. NUMBER AND PERCENTAGE OF LIVE BIRTHS FOR MOTHERS REPORTING TOBACCO USE DURING PREGNANCY BY RACE AND HISPANIC ORIGIN OF MOTHER, BY COUNTY, CITY OF WILMINGTON, AND DELAWARE, 2019**

Area/ Tobacco Use	Race								Hispanic Origin*	
	Total		Non-Hispanic White		Non-Hispanic Black		Non-Hispanic Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10,328	100	4,857	100	2,856	100	863	100	1,752	100
Yes	892	9	587	12	228	8	29	3	48	3
No	9,436	91	4,270	88	2,628	92	834	97	1,704	97
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2,044	100	1,059	100	638	100	127	100	220	100
Yes	214	10	142	13	55	9	9	7	8	4
No	1,830	90	917	87	583	91	118	93	212	96
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6,016	100	2,555	100	1,838	100	647	100	976	100
Yes	416	7	240	9	135	7	12	2	29	3
No	5,600	93	2,315	91	1,703	93	635	98	947	97
Unknown	0	0	0	0	0	0	0	0	0	0
Wilmington	826	100	162	100	514	100	19	100	131	100
Yes	96	12	21	13	60	12	2	11	13	10
No	730	88	141	87	454	88	17	89	118	90
Unknown	0	0	0	0	0	0	0	0	0	0
Balance of NC County	5,190	100	2,393	100	1,324	100	628	100	845	100
Yes	320	6	219	9	75	6	10	2	16	2
No	4,870	94	2,174	91	1,249	94	618	98	829	98
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2,268	100	1,243	100	380	100	89	100	556	100
Yes	262	12	205	16	38	10	8	9	11	2
No	2,006	88	1,038	84	342	90	81	91	545	98
Unknown	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 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 PERCENTAGE OF LIVE BIRTHS BY AGE OF MOTHER AND MOTHER'S REPORTED USE OF TOBACCO DURING PREGNANCY, DELAWARE, 2019**

Age	Reported Tobacco Use							
	Total		Yes		No		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10,328	100	892	9	9,436	91	0	0
< 18	121	100	0	0	121	100	0	0
18-19	324	100	21	6	303	94	0	0
20-24	1,810	100	173	10	1,637	90	0	0
25-29	3,129	100	310	10	2,819	90	0	0
30-34	3,080	100	234	8	2,846	92	0	0
35 +	1,864	100	154	8	1,710	92	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 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 PERCENTAGE OF LIVE BIRTHS BY BIRTHWEIGHT IN GRAMS AND MOTHER'S REPORTED USE OF TOBACCO DURING PREGNANCY, BY COUNTY, CITY OF WILMINGTON, AND**

DELAWARE, 2019		Reported Tobacco Use							
Birth Weight	Total		Yes		No		Unknown		
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	
<b>Delaware</b>	10,328	100	892	100	9,436	100	0	...	
<2500	974	9	162	18	812	9	0	...	
2500+	9,350	91	730	82	8,620	91	0	...	
Unknown	4	0	0	0	4	0	0	...	
<b>Kent</b>	2,044	100	214	100	1,830	100	0	...	
<2500	178	9	33	15	145	8	0	...	
2500+	1,866	91	181	85	1,685	92	0	...	
Unknown	0	0	0	0	0	0	0	...	
<b>New Castle</b>	6,016	100	416	100	5,600	100	0	...	
<2500	575	10	75	18	500	9	0	...	
2500+	5,437	90	341	82	5,096	91	0	...	
Unknown	4	0	0	0	4	0	0	...	
Wilmington	826	100	96	100	730	100	0	...	
<2500	126	15	28	29	98	13	0	...	
2500+	699	85	68	71	631	86	0	...	
Unknown	1	0	0	0	1	0	0	...	
Balance of NC County	5,190	100	320	100	4,870	100	0	...	
<2500	449	9	47	15	402	8	0	...	
2500+	4,738	91	273	85	4,465	92	0	...	
Unknown	3	0	0	0	3	0	0	...	
<b>Sussex</b>	2,268	100	262	100	2,006	100	0	...	
<2500	221	10	54	21	167	8	0	...	
2500+	2,047	90	208	79	1,839	92	0	...	
Unknown	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, AND DELAWARE, 2006-2019**

Year/ Area	All Races	Non-Hispanic		Hispanic Origin*
		White	Black	
2019	8.2	12.1	8.0	2.7
2017	9.0	12.2	8.9	2.9
2016	8.9	9.6	8.9	3.2
2015	9.9	10.8	10.8	3.3
2014	10.1	10.9	10.3	3.2
2013	10.9	11.7	10.3	4.5
2012	12.4	13.8	11.3	3.7
2011	11.7	13.0	10.4	3.6
2010	12.3	13.3	11.8	3.0
2009	13.4	14.5	12.8	3.4
2008	12.4	13.3	12.3	3.2
2007	12.8	14.0	12.6	3.4
2006	9.4	10.1	8.5	2.8

*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 PERCENTAGE OF LIVE BIRTHS BY DAY OF THE WEEK, DELAWARE, 2019**

Day	Number	Percent
Sunday	980	9.5
Monday	1,499	14.5
Tuesday	1,680	16.3
Wednesday	1,689	16.4
Thursday	1,619	15.7
Friday	1,646	15.9
Saturday	1,215	11.8
Total	10,328	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 PERCENTAGE OF LIVE BIRTHS BY MONTH, DELAWARE, 2019**

Month	Number	Percent
January	880	8.5
February	713	6.9
March	874	8.5
April	801	7.8
May	817	7.9
June	833	8.1
July	906	8.8
August	985	9.5
September	914	8.8
October	891	8.6
November	813	7.9
December	901	8.7
Total	10,328	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, 2018-2019**

**Males**

Rank	2018	
	Name	Number
1	Liam	63
2	Noah	54
3	Logan	49
4	Mason	46
5	James	42
6	Alexander	39
7	Carter	38
7	John	38
9	William	37
10	Carson	35
11	Elijah	34
12	Julian	33
13	Thomas	31
13	Wyatt	31
15	Daniel	30

Rank	2019	
	Name	Number
1	Noah	66
2	Liam	52
3	Benjamin	42
4	Mason	38
5	Colton	36
6	Jackson	33
6	James	33
8	Anthony	32
8	Daniel	32
8	Lucas	32
8	William	32
12	Alexander	30
12	Carter	30
12	John	30
15	Elijah	29

**Females**

Rank	2018	
	Name	Number
1	Ava	47
2	Isabella	45
3	Olivia	41
4	Charlotte	39
5	Sophia	38
6	Harper	36
7	Emma	35
8	Mia	32
9	Amelia	30
9	Avery	30
9	Layla	30
12	Ella	29
13	Lillian	26
14	Aria	25
14	Elizabeth	25

Rank	2019	
	Name	Number
1	Emma	49
1	Olivia	49
3	Ava	46
4	Isabella	45
5	Charlotte	41
5	Sophia	41
7	Harper	34
8	Abigail	31
9	Mia	28
10	Layla	27
10	Emily	26
11	Nova	26
13	Amelia	25
14	Aria	23
14	Lillian	23

*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, 2019**

State	Low Birthweight	
	Rate	Rank
Alabama	10.5	49
Alaska	6.3	1
Arizona	7.4	13
Arkansas	9.2	38
California	7.1	11
Colorado	9.4	42
Connecticut	7.8	20
<b>Delaware</b>	9.4	42
District of Columbia	9.9	47
Florida	8.7	32
Georgia	10.0	48
Hawaii	8.4	26
Idaho	6.9	8
Illinois	8.4	26
Indiana	8.2	24
Iowa	6.8	6
Kansas	7.6	16
Kentucky	8.7	32
Louisiana	10.8	50
Maine	7.4	13
Maryland	8.7	32
Massachusetts	7.6	16
Michigan	8.7	32
Minnesota	6.9	8
Mississippi	12.3	51
Missouri	8.8	36
Montana	7.3	12
Nebraska	7.6	16
Nevada	8.8	36
New Hampshire	6.4	2
New Jersey	7.9	22
New Mexico	9.3	40
New York	8.1	23
North Carolina	9.3	40
North Dakota	6.8	6
Ohio	8.6	31
Oklahoma	8.2	24
Oregon	6.7	5
Pennsylvania	8.4	26
Rhode Island	7.8	20
South Carolina	9.8	44
South Dakota	7.0	10
Tennessee	9.2	38
Texas	8.4	26
Utah	7.4	13
Vermont	6.6	4
Virginia	8.4	26
Washington	6.4	2
West Virginia	9.8	44
Wisconsin	7.6	16
Wyoming	9.8	44
United States	8.3	

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, 2019**

State	Cesarean Deliveries		Single Mothers	
	Rate	Rank	Rate	Rank
Alabama	34.6	45	48.3	48
Alaska	21.6	1	36.3	17
Arizona	27.8	13	45.2	39
Arkansas	34.5	44	46.8	45
California	30.8	26	37.2	20
Colorado	26.8	10	23.4	2
Connecticut	34.6	45	36.8	19
Delaware	31.5	29	47.1	46
District of Columbia	31.9	32	46.3	41
Florida	36.5	49	46.6	42
Georgia	34.3	43	45.6	40
Hawaii	26.8	10	38.4	24
Idaho	24.0	3	27.1	3
Illinois	30.6	25	39.5	25
Indiana	29.3	19	43.5	34
Iowa	29.6	20	35.1	13
Kansas	29.7	21	36.4	18
Kentucky	33.6	41	42.3	33
Louisiana	36.7	50	54.0	50
Maine	30.2	23	38.3	23
Maryland	33.0	38	40.5	28
Massachusetts	31.4	28	32.4	8
Michigan	32.0	34	41.0	30
Minnesota	27.6	12	32.0	6
Mississippi	38.5	51	54.9	51
Missouri	30.1	22	40.4	27
Montana	28.4	16	34.8	12
Nebraska	29.1	17	33.7	11
Nevada	32.8	37	48.1	47
New Hampshire	31.6	30	31.6	5
New Jersey	33.8	42	33.6	9
New Mexico	26.4	7	51.5	49
New York	33.2	39	37.5	21
North Carolina	29.1	17	41.6	32
North Dakota	26.5	8	32.1	7
Ohio	31.0	27	43.6	35
Oklahoma	32.1	36	43.6	35
Oregon	28.0	15	36.0	15
Pennsylvania	30.2	23	40.9	29
Rhode Island	32.0	34	44.4	38
South Carolina	33.2	39	46.7	43
South Dakota	24.5	4	36.2	16
Tennessee	31.8	31	44.0	37
Texas	34.8	48	41.4	31
Utah	23.1	2	19.2	1
Vermont	25.8	5	39.8	26
Virginia	31.9	32	35.1	13
Washington	27.8	13	31.3	4
West Virginia	34.6	45	46.7	43
Wisconsin	26.7	9	37.6	22
Wyoming	26.3	6	33.6	9
United States	31.7		40.0	

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

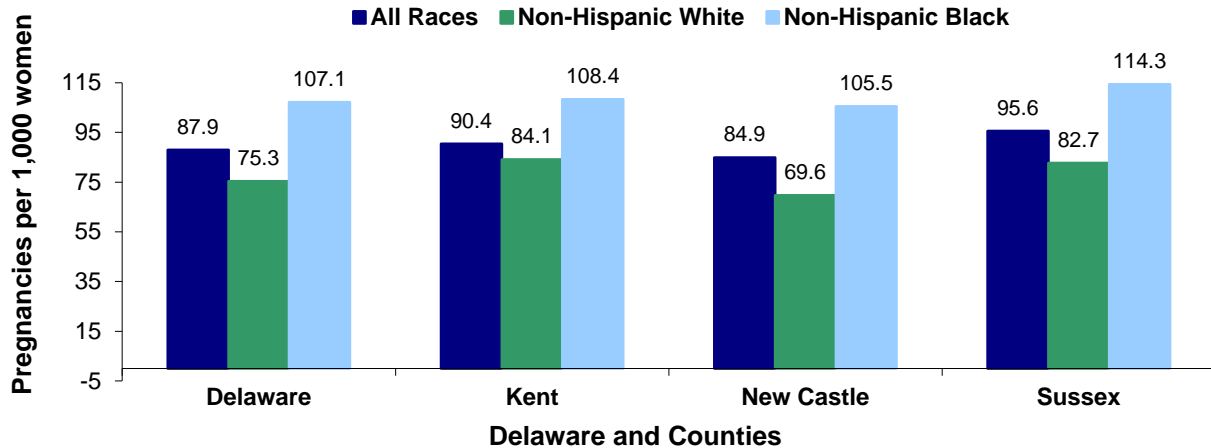
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# Reported Pregnancies

## REPORTED PREGNANCIES

At 87.9 reported pregnancies per 1,000 women ages 15-44, the 2015-2019 rate of reported pregnancies increased by 9.3 percent from the 80.4 rate in 2009-2013. The 2015-2019 five year average rate found Sussex County to have the highest pregnancy rate for non-Hispanic black (114.3 per 1,000 women). New Castle County had the lowest reported pregnancy rate for non-Hispanic blacks (105.5 per 1,000 women) and Kent County had the highest rate for non-Hispanic white women (84.1 pregnancies per 1000 women). New Castle had the lowest reported pregnancy rate for non-Hispanic whites (69.6 per 1,000 women) during this same five year period.

**Figure 21. Five-year Average Rate of Reported Pregnancies by Race, Delaware and Counties, 2015-2019**

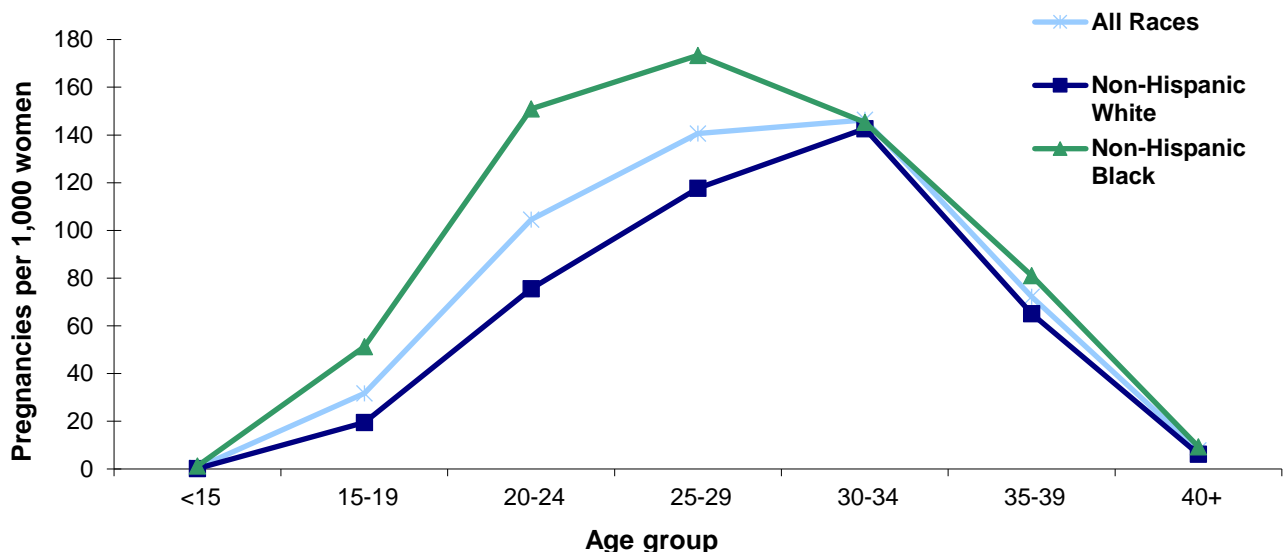


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

Non-Hispanic black women in the 25-29 year age group had the highest pregnancy rate, at 173.3 pregnancies per 1,000 women in 2015-2019.

Non-Hispanic black women had higher five year average (2015-2019) pregnancy rates than non-Hispanic white women in all age groups. The highest pregnancy rate during this same time period for non-Hispanic white women was in the 30-34 age group (143 pregnancies per 1,000 women).

**Figure 22. Five-year Average Rate of Reported Pregnancies by Age and Race, Delaware, 2015-2019**

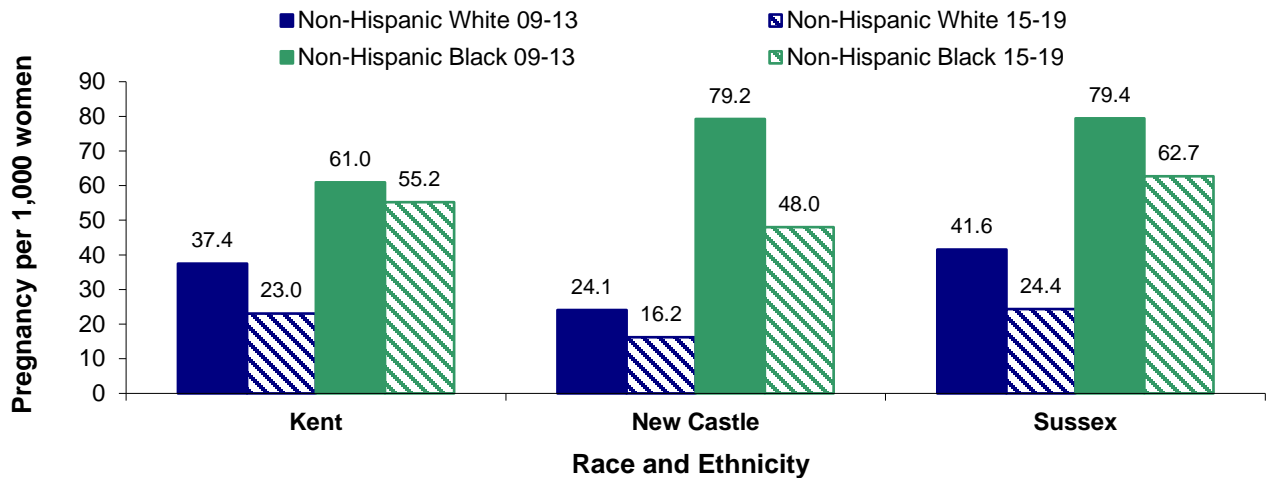


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## REPORTED PREGNANCIES

In all three counties the five year average teen (15-19) pregnancy rates for all races continues to decline from 2009-2013 to 2015-2019. New Castle County had a 39.4 percent decrease in the number of reported pregnancies for non-Hispanic black teens, aged 15-19, from 2009-2013 to 2015-2019. In 2015-2019, Sussex County had the highest five year average reported pregnancy rate for both non-Hispanic white teens (24.4 pregnancies per 1,000 women) and non-Hispanic black teens (62.7 pregnancies per 1,000 women).

**Figure 23. Five-year Average Teenage (15-19) Pregnancy Rates by County and Race, Delaware, 2009-2013 and 2015-2019**



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

In 2015-2019, New Castle County had the lowest five year average pregnancy rate for non-Hispanic white teens aged 15-17, (6.5 pregnancies per 1,000 women). The highest rate for non-Hispanic black teens, aged 15-17, during this same time period was in Sussex County (34.1 pregnancies per 1,000 women).

The five-year average (2015-2019) pregnancy rate for older non-Hispanic white teens, aged 18-19, was lowest in New Castle County (30 pregnancies per 1,000 females). During this same time period Sussex County had the highest rate for non-Hispanic black teens, aged 18-19, at a rate of 104.9 pregnancies per 1,000 women. See Table D-10 in the annual report.

In 2019, there were 2042 abortions performed in Delaware, 1,765 to Delaware residents and 277 to non-residents.

- Fifty-seven percent of all pregnancies to females under 15 ended in termination in 2019.
  - ⇒ 66.7 percent to non-Hispanic black females under 15 ended in termination in 2019.
- Married women undergo significantly fewer terminations than their single counterparts.
  - ⇒ 2.8 percent of pregnancies to non-Hispanic white married women ended in termination and 6.2 percent of pregnancies to non-Hispanic black married women ended in termination in 2019.
  - ⇒ When the women were unmarried, these numbers increased to 26.5 percent for both non-Hispanic white women and non-Hispanic black women in 2019.
- There were 57 fetal deaths of Delaware residents in 2019.
- There were 10,328 live births to Delaware residents in 2019.
- In 2019, women under 25 accounts for 39% of all induced termination of pregnancy in Delaware.

**TABLE D-1. NUMBER AND PERCENTAGE OF REPORTED PREGNANCIES BY AGE OF WOMAN AND COUNTY, DELAWARE, 2019**

Area/ Age	Reported Pregnancies							
	Total		Live Births		Fetal Deaths		Induced Terminations	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	12,150	100.0	10,328	85.0	57	0.5	1,765	14.5
<15	14	100.0	6	42.9	0	0.0	8	57.1
15-19	654	100.0	439	67.1	4	0.6	211	32.3
15-17	184	100.0	115	62.5	1	0.5	68	37.0
18-19	470	100.0	324	68.9	3	0.6	143	30.4
20-24	2,297	100.0	1,810	78.8	10	0.4	477	20.8
25-29	3,646	100.0	3,129	85.8	14	0.4	503	13.8
30-34	3,443	100.0	3,080	89.5	15	0.4	348	10.1
35-39	1,701	100.0	1,517	89.2	10	0.6	174	10.2
40+	395	100.0	347	87.8	4	1.0	44	11.1
Unknown	0	...	0	...	0	...	0	...
<b>Kent</b>	2,428	100.0	2,044	84.2	16	0.7	368	15.2
<15	1	100.0	0	0.0	0	0.0	1	100.0
15-19	132	100.0	75	56.8	1	0.8	56	42.4
15-17	35	100.0	19	54.3	1	2.9	15	42.9
18-19	97	100.0	56	57.7	0	0.0	41	42.3
20-24	526	100.0	433	82.3	6	1.1	87	16.5
25-29	782	100.0	671	85.8	4	0.5	107	13.7
30-34	641	100.0	563	87.8	2	0.3	76	11.9
35-39	272	100.0	238	87.5	2	0.7	32	11.8
40+	74	100.0	64	86.5	1	1.4	9	12.2
Unknown	0	...	0	...	0	...	0	...
<b>New Castle</b>	7,149	100.0	6,016	84.2	30	0.4	1,103	15.4
<15	8	100.0	2	25.0	0	0.0	6	75.0
15-19	340	100.0	216	63.5	1	0.3	123	36.2
15-17	100	100.0	59	59.0	0	0.0	41	41.0
18-19	240	100.0	157	65.4	1	0.4	82	34.2
20-24	1,231	100.0	915	74.3	4	0.3	312	25.3
25-29	2,075	100.0	1,763	85.0	5	0.2	307	14.8
30-34	2,165	100.0	1,935	89.4	10	0.5	220	10.2
35-39	1,089	100.0	974	89.4	7	0.6	108	9.9
40+	241	100.0	211	87.6	3	1.2	27	11.2
Unknown	0	...	0	...	0	...	0	...
<b>Sussex</b>	2,573	100.0	2,268	88.1	11	0.4	294	11.4
<15	5	100.0	4	80.0	0	0.0	1	20.0
15-19	182	100.0	148	81.3	2	1.1	32	17.6
15-17	49	100.0	37	75.5	0	0.0	12	24.5
18-19	133	100.0	111	83.5	2	1.5	20	15.0
20-24	540	100.0	462	85.6	0	0.0	78	14.4
25-29	789	100.0	695	88.1	5	0.6	89	11.3
30-34	637	100.0	582	91.4	3	0.5	52	8.2
35-39	340	100.0	305	89.7	1	0.3	34	10.0
40+	80	100.0	72	90.0	0	0.0	8	10.0
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 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 PERCENTAGE OF REPORTED PREGNANCIES BY RACE, HISPANIC ORIGIN, AND AGE OF WOMAN, DELAWARE, 2019**

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>	12,150	100.0	10,328	85.0	57	0.5	1,765	14.5
<15	14	100.0	6	42.9	0	0.0	8	57.1
15-19	336	100.0	121	36.0	4	1.2	211	62.8
15-17	75	100.0	6	8.0	1	1.3	68	90.7
18-19	261	100.0	115	44.1	3	1.1	143	54.8
20-24	811	100.0	324	40.0	10	1.2	477	58.8
25-29	2,327	100.0	1,810	77.8	14	0.6	503	21.6
30-34	3,492	100.0	3,129	89.6	15	0.4	348	10.0
35-39	3,264	100.0	3,080	94.4	10	0.3	174	5.3
40+	1,565	100.0	1,517	96.9	4	0.3	44	2.8
Unknown	0	...	0	...	0	...	0	...
<b>Non-Hispanic White</b>	5,565	100.0	4,857	87.3	20	0.4	688	12.4
<15	3	100.0	0	0.0	0	0.0	3	100.0
15-19	155	100.0	80	51.6	1	0.6	74	47.7
15-17	32	100.0	16	50.0	0	0.0	16	50.0
18-19	123	100.0	64	52.0	1	0.8	58	47.2
20-24	844	100.0	653	77.4	1	0.1	190	22.5
25-29	1,687	100.0	1,494	88.6	4	0.2	189	11.2
30-34	1,853	100.0	1,701	91.8	8	0.4	144	7.8
35-39	846	100.0	774	91.5	4	0.5	68	8.0
40+	177	100.0	155	87.6	2	1.1	20	11.3
Unknown	0	...	0	...	0	...	0	...
<b>Non-Hispanic Black</b>	3,679	100.0	2,856	77.6	27	0.7	796	21.6
<15	6	100.0	2	33.3	0	0.0	4	66.7
15-19	315	100.0	217	68.9	1	0.3	97	30.8
15-17	90	100.0	54	60.0	1	1.1	35	38.9
18-19	225	100.0	163	72.4	0	0.0	62	27.6
20-24	871	100.0	661	75.9	9	1.0	201	23.1
25-29	1,104	100.0	854	77.4	7	0.6	243	22.0
30-34	815	100.0	649	79.6	3	0.4	163	20.0
35-39	450	100.0	373	82.9	5	1.1	72	16.0
40+	118	100.0	100	84.7	2	1.7	16	13.6
Unknown	0	...	0	...	0	...	0	...
<b>Non-Hispanic Other</b>	928	100.0	863	93.0	1	0.1	64	6.9
<15	0	...	0	...	0	...	0	...
15-19	20	100.0	14	70.0	0	0.0	6	30.0
15-17	10	100.0	6	60.0	0	0.0	4	40.0
18-19	10	100.0	8	80.0	0	0.0	2	20.0
20-24	106	100.0	90	84.9	0	0.0	16	15.1
25-29	263	100.0	248	94.3	0	0.0	15	5.7
30-34	340	100.0	322	94.7	1	0.3	17	5.0
35-39	170	100.0	163	95.9	0	0.0	7	4.1
40+	29	100.0	26	89.7	0	0.0	3	10.3
Unknown	0	...	0	...	0	...	0	...
<b>Hispanic*</b>	1,981	100.0	1,752	88.4	12	0.6	217	11.0
<15	5	100.0	4	80.0	0	0.0	1	20.0
15-19	165	100.0	128	77.6	1	0.6	34	20.6
15-17	53	100.0	39	73.6	0	1.9	13	24.5
18-19	112	100.0	89	79.5	1	1.8	21	18.8
20-24	479	100.0	406	84.8	2	0.6	70	14.6
25-29	593	100.0	533	89.9	3	0.7	56	9.4
30-34	433	100.0	408	94.2	4	0.2	24	5.5
35-39	235	100.0	207	88.1	1	0.4	27	11.5
40+	71	100.0	66	93.0	1	0.0	5	7.0
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 PERCENTAGE OF REPORTED PREGNANCIES BY RACE, HISPANIC ORIGIN, AND EDUCATION OF WOMAN, DELAWARE, 2019**

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>	12,150	100.0	10,328	85.0	57	0.5	1,765	14.5
<9	503	100.0	471	93.6	1	0.2	31	6.2
9 to 11	1,147	100.0	913	79.6	4	0.3	230	20.1
H.S. Grad	3,641	100.0	2,846	78.2	18	0.5	777	21.3
1 to 3 College	3,131	100.0	2,680	85.6	20	0.6	431	13.8
4+ College	3,570	100.0	3,335	93.4	11	0.3	224	6.3
Unknown	158	100.0	83	52.5	3	1.9	72	45.6
<b>Non-Hispanic White</b>	5,565	100.0	4,857	87.3	20	0.4	688	12.4
<9	83	100.0	80	96.4	0	0.0	3	3.6
9 to 11	362	100.0	288	79.6	0	0.0	74	20.4
H.S. Grad	1,338	100.0	1,030	77.0	4	0.3	304	22.7
1 to 3 College	1,531	100.0	1,348	88.0	9	0.6	174	11.4
4+ College	2,191	100.0	2,087	95.3	5	0.2	99	4.5
Unknown	60	100.0	24	40.0	2	3.3	34	56.7
<b>Non-Hispanic Black</b>	3,679	100.0	2,856	77.6	27	0.7	796	21.6
<9	31	100.0	24	77.4	0	0.0	7	22.6
9 to 11	420	100.0	312	74.3	2	0.5	106	25.2
H.S. Grad	1,497	100.0	1,110	74.1	11	0.7	376	25.1
1 to 3 College	1,035	100.0	837	80.9	9	0.9	189	18.3
4+ College	634	100.0	541	85.3	5	0.8	88	13.9
Unknown	62	100.0	32	51.6	0	0.0	30	48.4
<b>Non-Hispanic Other</b>	928	100.0	863	93.0	1	0.1	64	6.9
<9	15	100.0	15	100.0	0	0.0	0	0.0
9 to 11	40	100.0	36	90.0	0	0.0	4	10.0
H.S. Grad	146	100.0	130	89.0	0	0.0	16	11.0
1 to 3 College	166	100.0	152	91.6	0	0.0	14	8.4
4+ College	546	100.0	522	95.6	1	0.2	23	4.2
Unknown	15	100.0	8	53.3	0	0.0	7	46.7
<b>Hispanic*</b>	1,978	100.0	1,752	88.6	9	0.5	217	11.0
<9	374	100.0	352	94.1	1	0.3	21	5.6
9 to 11	523	100.0	411	78.6	2	0.4	110	21.0
H.S. Grad	660	100.0	576	87.3	3	0.5	81	12.3
1 to 3 College	399	100.0	343	86.0	2	0.5	54	13.5
4+ College	199	100.0	185	93.0	0	0.0	14	7.0
Unknown	21	100.0	19	90.5	1	4.8	1	4.8

*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-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 PERCENTAGE OF REPORTED PREGNANCIES BY RACE AND MARITAL STATUS OF WOMAN, DELAWARE AND COUNTIES, 2019**

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	12,150	100.0	10,328	85.0	57	0.5	1,765	14.5
Married	5,675	100.0	5,451	96.1	24	0.4	200	3.5
Single	6,475	100.0	4,877	75.3	33	0.5	1,565	24.2
Non-Hispanic White	5,565	100.0	4,857	87.3	20	0.4	688	12.4
Married	3,322	100.0	3,215	96.8	13	0.4	94	2.8
Single	2,243	100.0	1,642	73.2	7	0.3	594	26.5
Non-Hispanic Black	3,679	100.0	2,856	77.6	27	0.7	796	21.6
Married	882	100.0	822	93.2	5	0.6	55	6.2
Single	2,797	100.0	2,034	72.7	22	0.8	741	26.5
Non-Hispanic Other	928	100.0	863	93.0	1	0.1	64	6.9
Married	735	100.0	704	95.8	1	0.1	30	4.1
Single	193	100.0	159	82.4	0	0.0	34	17.6
<b>Kent</b>								
All Races	2,428	100.0	2,044	84.2	16	0.7	368	15.2
Married	1,103	100.0	1,055	95.6	7	0.6	41	3.7
Single	1,325	100.0	989	74.6	9	0.7	327	24.7
Non-Hispanic White	1,202	100.0	1,059	88.1	4	0.3	139	11.6
Married	705	100.0	678	96.2	3	0.4	24	3.4
Single	497	100.0	381	76.7	1	0.2	115	23.1
Non-Hispanic Black	841	100.0	638	75.9	10	1.2	193	22.9
Married	213	100.0	198	93.0	2	0.9	13	6.1
Single	628	100.0	440	70.1	8	1.3	180	28.7
Non-Hispanic Other	139	100.0	127	91.4	0	0.0	12	8.6
Married	83	100.0	81	97.6	0	0.0	2	2.4
Single	56	100.0	46	82.1	0	0.0	10	17.9
<b>New Castle</b>								
All Races	7,149	100.0	6,016	84.2	30	0.4	1,103	15.4
Married	3,448	100.0	3,309	96.0	11	0.3	128	3.7
Single	3,701	100.0	2,707	73.1	19	0.5	975	26.3
Non-Hispanic White	2,950	100.0	2,555	86.6	10	0.3	385	13.1
Married	1,853	100.0	1,800	97.1	6	0.3	47	2.5
Single	1,097	100.0	755	68.8	4	0.4	338	30.8
Non-Hispanic Black	2,387	100.0	1,838	77.0	14	0.6	535	22.4
Married	568	100.0	527	92.8	2	0.4	39	6.9
Single	1,819	100.0	1,311	72.1	12	0.7	496	27.3
Non-Hispanic Other	695	100.0	647	93.1	1	0.1	47	6.8
Married	590	100.0	563	95.4	1	0.2	26	4.4
Single	105	100.0	84	80.0	0	0.0	21	20.0
<b>Sussex</b>								
All Races	2,573	100.0	2,268	88.1	11	0.4	294	11.4
Married	1,124	100.0	1,087	96.7	6	0.5	31	2.8
Single	1,449	100.0	1,181	81.5	5	0.3	263	18.2
Non-Hispanic White	1,413	100.0	1,243	88.0	6	0.4	164	11.6
Married	764	100.0	737	96.5	4	0.5	23	3.0
Single	649	100.0	506	78.0	2	0.3	141	21.7
Non-Hispanic Black	451	100.0	380	84.3	3	0.7	68	15.1
Married	101	100.0	97	96.0	1	1.0	3	3.0
Single	350	100.0	283	80.9	2	0.6	65	18.6
Non-Hispanic Other	94	100.0	89	94.7	0	0.0	5	5.3
Married	62	100.0	60	96.8	0	0.0	2	3.2
Single	32	100.0	29	90.6	0	0.0	3	9.4

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, 2009-2019**

**ALL RACES**

Area/ Age	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>Delaware</b>	14,961	14,905	14,433	14,263	13,420	13,459	13,571	12,900	12,557	12,156	12,150
<15	33	34	32	28	18	18	17	16	7	9	14
15-19	1,574	1,574	1,378	1,172	1,067	926	823	791	701	662	654
15-17	488	504	427	348	304	273	241	217	198	179	184
18-19	1,086	1,070	951	824	763	653	582	574	503	483	470
20-24	4,028	3,908	3,702	3,703	3,290	3,156	3,058	2,651	2,545	2,409	2,297
25-29	4,172	4,187	4,118	3,990	3,797	3,924	3,965	3,855	3,795	3,544	3,646
30-34	3,134	3,211	3,279	3,427	3,424	3,508	3,623	3,548	3,476	3,494	3,443
35-39	1,558	1,581	1,536	1,564	1,451	1,525	1,720	1,681	1,670	1,672	1,701
40+	462	410	388	379	373	402	365	358	363	366	395
<b>Kent</b>	2,901	2,815	2,689	2,752	2,672	2,683	2,680	2,579	2,513	2,485	2,428
<15	5	4	3	2	2	3	3	3	1	2	1
15-19	291	304	267	235	201	169	149	187	158	159	160
15-17	86	98	73	60	53	44	43	47	45	35	35
18-19	205	206	194	175	148	125	106	140	113	96	97
20-24	971	852	773	808	778	754	731	612	598	592	526
25-29	825	827	831	783	785	844	846	859	803	771	782
30-34	528	529	551	597	611	631	612	595	604	667	641
35-39	203	227	217	262	228	231	288	257	272	268	272
40+	78	72	47	65	67	51	51	66	77	54	74
<b>New Castle</b>	9,233	9,360	9,143	8,781	8,225	8,153	8,236	7,759	7,494	7,144	7,149
<15	21	24	21	22	14	11	8	8	5	6	8
15-19	945	971	846	682	626	540	476	432	369	372	340
15-17	290	314	272	215	187	172	140	120	100	100	100
18-19	655	657	574	467	439	368	336	312	269	272	240
20-24	2,209	2,254	2,147	2,082	1,861	1,729	1,681	1,427	1,373	1,274	1,231
25-29	2,543	2,573	2,527	2,445	2,251	2,285	2,316	2,221	2,171	2,009	2,075
30-34	2,103	2,150	2,244	2,275	2,236	2,273	2,375	2,299	2,264	2,148	2,165
35-39	1,090	1,107	1,075	1,033	987	1,026	1,113	1,135	1,082	1,105	1,089
40+	322	281	283	242	250	289	267	237	230	230	241
<b>Sussex</b>	2,827	2,730	2,601	2,730	2,523	2,623	2,655	2,562	2,550	2,527	2,573
<15	7	6	8	4	2	4	6	5	1	1	5
15-19	338	299	265	255	240	217	198	172	174	159	182
15-17	112	92	82	73	64	57	58	50	53	44	49
18-19	226	207	183	182	176	160	140	122	121	115	133
20-24	848	802	782	813	651	673	646	612	574	543	540
25-29	804	787	760	762	761	795	803	775	821	764	789
30-34	503	532	484	555	577	604	636	654	608	679	637
35-39	265	247	244	269	236	268	319	289	316	299	340
40+	62	57	58	72	56	62	47	55	56	82	80

*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, 2009-2019**

**NON-HISPANIC WHITE**

Area/ Age	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>Delaware</b>	7,520	7,676	7,533	7,396	6,870	6,767	6,821	6,548	6,003	5,822	5,565
<15	9	4	6	7	2	4	1	5	1	1	3
15-19	593	625	554	483	368	330	290	283	230	216	155
15-17	176	185	167	125	91	82	71	68	62	52	32
18-19	417	440	387	358	277	248	219	215	168	164	123
20-24	1,777	1,766	1,678	1,667	1,469	1,361	1,297	1,108	1,041	936	844
25-29	2,177	2,257	2,227	2,098	1,994	2,082	2,037	2,024	1,811	1,741	1,687
30-34	1,797	1,874	1,982	2,055	2,015	1,996	2,074	2,071	1,913	1,906	1,853
35-39	898	913	864	871	813	793	936	870	836	867	846
40+	269	237	222	215	209	201	186	187	171	155	177
<b>Kent</b>	1,657	1,647	1,589	1,603	1,518	1,531	1,491	1,445	1,323	1,341	1,202
<15	2	1	1	2	1	1	0	2	0	0	0
15-19	124	145	134	102	77	80	61	77	60	55	39
15-17	36	46	37	26	20	18	16	19	18	13	9
18-19	88	99	97	76	57	62	45	58	42	42	30
20-24	518	465	403	416	401	375	355	312	282	284	230
25-29	513	520	536	485	479	524	492	515	438	446	407
30-34	324	335	373	395	387	401	390	375	358	396	354
35-39	130	144	115	166	133	121	165	133	147	141	138
40+	46	37	27	37	40	29	28	31	38	19	34
<b>New Castle</b>	4,318	4,458	4,435	4,167	3,911	3,747	3,794	3,630	3,236	3,063	2,950
<15	6	3	3	3	1	2	0	1	1	1	2
15-19	306	322	268	231	169	134	145	137	106	95	67
15-17	79	99	89	57	41	35	34	31	28	22	15
18-19	227	223	179	174	128	99	111	106	78	73	52
20-24	842	891	865	774	717	635	600	485	463	390	357
25-29	1,217	1,262	1,250	1,153	1,067	1,077	1,058	1,031	881	844	820
30-34	1,167	1,197	1,296	1,316	1,267	1,233	1,286	1,277	1,174	1,089	1,091
35-39	604	619	597	556	560	526	575	578	506	549	511
40+	176	164	156	134	130	140	130	121	105	95	102
<b>Sussex</b>	1,545	1,571	1,509	1,626	1,441	1,489	1,536	1,473	1,444	1,418	1,413
<15	1	0	2	2	0	1	1	2	0	0	1
15-19	163	158	152	150	122	116	84	69	64	66	49
15-17	61	40	41	42	30	29	21	18	16	17	8
18-19	102	118	111	108	92	87	63	51	48	49	41
20-24	417	410	410	477	351	351	342	311	296	262	257
25-29	447	475	441	460	448	481	487	478	492	451	460
30-34	306	342	313	344	361	362	398	419	381	421	408
35-39	164	150	152	149	120	146	196	159	183	177	197
40+	47	36	39	44	39	32	28	35	28	41	41

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, 2009-2019**

**NON-HISPANIC BLACK**

Area/ Age	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>Delaware</b>	4,729	4,747	4,416	4,357	4,147	3,938	4,049	3,795	3,683	3,573	3,679
<15	17	24	23	16	8	12	9	6	6	8	6
15-19	702	714	591	489	480	393	336	325	281	273	315
15-17	224	228	183	167	132	129	110	95	85	82	90
18-19	478	486	408	322	348	264	226	230	196	191	225
20-24	1,505	1,528	1,451	1,447	1,301	1,175	1,182	1,017	933	907	871
25-29	1,219	1,188	1,116	1,142	1,077	1,065	1,158	1,100	1,162	1,037	1,104
30-34	753	768	743	792	810	804	831	807	771	793	815
35-39	407	412	385	374	373	386	441	438	426	445	450
40+	126	113	107	97	98	103	92	102	104	110	118
<b>Kent</b>	917	898	831	832	838	807	838	809	832	781	841
<15	1	3	2	0	0	1	3	1	2	2	1
15-19	127	136	108	111	87	61	63	77	64	55	73
15-17	39	43	29	27	23	18	22	17	16	17	21
18-19	88	93	79	84	64	43	41	60	48	38	52
20-24	334	306	293	284	287	275	277	225	228	216	195
25-29	238	215	211	219	221	225	247	244	252	219	255
30-34	140	144	126	137	153	156	147	150	166	181	202
35-39	55	64	75	68	69	72	87	92	91	87	90
40+	22	30	16	13	21	17	14	20	29	21	25
<b>New Castle</b>	3,236	3,299	3,068	3,019	2,805	2,623	2,744	2,499	2,378	2,328	2,387
<15	11	16	16	15	7	8	5	4	4	5	4
15-19	465	496	411	320	323	273	227	200	170	181	185
15-17	154	157	126	117	91	93	73	62	51	54	53
18-19	311	339	285	203	232	180	154	138	119	127	132
20-24	969	1,001	949	978	839	723	753	634	571	569	560
25-29	839	839	778	798	726	706	777	721	751	672	714
30-34	551	564	552	570	583	559	600	564	517	520	527
35-39	308	308	282	272	252	276	309	306	295	306	318
40+	93	75	80	66	75	78	73	70	70	75	79
<b>Sussex</b>	576	550	517	506	504	508	467	487	473	464	451
<15	5	5	5	1	1	3	1	1	0	1	1
15-19	110	82	72	58	70	59	46	48	47	37	57
15-17	31	28	28	23	18	18	15	16	18	11	16
18-19	79	54	44	35	52	41	31	32	29	26	41
20-24	202	221	209	185	175	177	152	158	134	122	116
25-29	142	134	127	125	130	134	134	135	159	146	135
30-34	62	60	65	85	74	89	84	93	88	92	86
35-39	44	40	28	34	52	38	45	40	40	52	42
40+	11	8	11	18	2	8	5	12	5	14	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 , 2009-2019**

**ALL RACES**

Area/ Age	2009- 2013	2010- 2014	2011- 2015	2012- 2016	2013- 2017	2014- 2018	2015- 2019
<b>Delaware</b>	80.4	78.8	77.3	75.5	73.5	71.9	87.9
<15	1.0	0.9	0.8	0.7	0.5	0.5	0.6
15-19	44.4	41.1	36.9	33.4	30.2	27.3	31.7
15-17	24.0	21.7	18.8	16.3	14.5	12.9	14.8
18-19	71.3	67.3	62.3	58.1	53.8	49.0	57.3
20-24	114.5	107.2	101.2	95.5	90.1	87.5	104.6
25-29	139.2	136.5	132.9	127.8	122.7	116.7	140.7
30-34	115.5	116.5	117.3	118.0	117.4	117.6	146.3
35-39	56.0	56.5	57.6	57.9	57.4	57.4	72.2
40+	6.2	6.1	6.0	6.0	6.1	6.2	7.8
<b>Kent</b>	81.8	80.0	78.6	77.4	75.5	74.0	90.4
<15	0.6	0.5	0.5	0.5	0.4	0.4	0.4
15-19	43.4	39.6	34.7	32.0	29.1	27.3	33.6
15-17	21.6	19.0	15.7	14.0	12.9	11.8	14.0
18-19	72.4	68.1	62.0	59.1	54.0	48.9	57.8
20-24	130.1	120.4	115.3	111.3	107.9	106.4	127.0
25-29	146.8	144.9	141.2	136.7	131.5	125.6	150.8
30-34	106.2	108.2	109.1	109.1	108.1	108.9	135.8
35-39	44.3	45.5	47.6	48.4	47.7	48.2	61.3
40+	5.6	5.1	4.8	5.2	5.5	5.4	7.3
<b>New Castle</b>	78.9	77.3	75.7	73.5	71.4	69.6	84.9
<15	1.2	1.1	0.9	0.7	0.5	0.5	0.5
15-19	41.3	38.1	33.9	30.1	27.0	24.3	27.7
15-17	22.7	20.9	18.1	15.4	13.3	11.7	13.0
18-19	66.0	61.5	55.9	51.2	47.0	43.0	49.5
20-24	99.7	93.5	87.6	82.0	77.6	75.5	90.8
25-29	135.1	131.9	127.2	120.5	113.5	106.1	126.7
30-34	121.5	122.2	123.0	123.1	122.8	122.4	152.1
35-39	61.7	61.8	62.2	62.1	61.3	61.0	76.0
40+	6.8	6.7	6.8	6.7	6.8	6.8	8.3
<b>Sussex</b>	84.1	82.6	81.6	80.6	78.5	77.4	95.6
<15	1.0	0.9	0.9	0.7	0.6	0.6	0.8
15-19	51.2	46.4	42.7	38.8	35.7	32.7	39.2
15-17	25.0	21.9	20.1	18.2	16.9	15.5	18.7
18-19	93.9	84.8	76.9	69.1	63.2	58.4	70.3
20-24	157.4	149.2	140.4	131.0	117.3	108.8	127.2
25-29	145.0	143.5	143.4	143.3	146.1	146.5	183.3
30-34	103.7	105.3	106.2	109.8	109.1	110.7	138.4
35-39	49.0	49.6	52.5	53.6	54.1	54.6	70.3
40+	4.8	4.8	4.7	4.8	4.5	5.0	6.7

*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, 2009-2019**

**NON-HISPANIC WHITE**

Area/ Age	2009- 2013	2010- 2014	2011- 2015	2012- 2016	2013- 2017	2014- 2018	2015- 2019
<b>Delaware</b>	69.7	68.9	67.8	66.4	64.1	62.4	75.3
<15	0.4	0.3	0.3	0.3	0.2	0.2	0.2
15-19	30.1	28.0	25.0	22.3	19.5	17.8	19.5
15-17	15.2	13.6	11.5	9.5	8.2	7.5	8.0
18-19	49.0	47.1	43.4	40.4	35.8	32.8	36.2
20-24	85.0	79.9	75.3	71.0	66.9	64.3	75.5
25-29	126.6	124.7	119.8	114.0	107.0	100.4	117.7
30-34	117.5	118.7	119.2	119.3	117.3	115.8	142.6
35-39	53.9	53.8	54.7	54.3	52.8	52.1	65.1
40+	5.5	5.3	5.2	5.2	5.1	5.0	6.2
<b>Kent</b>	79.2	78.1	76.6	75.0	72.3	70.6	84.1
<15	0.5	0.4	0.3	0.4	0.3	0.2	0.2
15-19	37.5	35.1	29.9	25.8	22.8	21.2	23.0
15-17	17.8	16.0	12.8	10.7	9.7	8.8	9.8
18-19	66.8	63.7	55.6	49.0	43.2	40.2	43.6
20-24	128.4	120.2	115.4	113.1	107.5	102.3	118.0
25-29	146.0	145.0	141.2	138.5	135.8	135.0	160.5
30-34	107.7	110.9	112.1	110.8	107.6	107.4	130.3
35-39	42.2	42.1	43.2	43.6	41.7	41.2	52.1
40+	4.8	4.4	4.3	4.5	4.6	4.1	5.4
<b>New Castle</b>	66.1	65.3	64.0	62.3	60.1	58.0	69.6
<15	0.4	0.3	0.2	0.2	0.1	0.1	0.2
15-19	24.1	22.0	19.7	17.9	15.7	14.4	16.2
15-17	12.8	11.5	9.5	7.5	6.5	5.9	6.5
18-19	36.9	34.7	32.7	32.2	28.8	26.4	30.0
20-24	62.8	58.8	54.7	50.3	48.2	46.6	54.9
25-29	118.3	115.1	108.2	99.5	89.3	80.3	91.6
30-34	127.1	127.6	128.0	127.5	125.3	122.6	150.5
35-39	62.9	63.0	63.0	62.1	59.6	58.0	71.0
40+	6.2	6.1	6.0	6.0	5.9	5.8	7.0
<b>Sussex</b>	71.5	71.1	70.7	70.1	68.0	67.1	82.7
<15	0.3	0.3	0.4	0.4	0.2	0.2	0.3
15-19	41.6	39.1	35.2	30.6	26.1	23.2	24.4
15-17	19.3	16.8	15.4	13.5	11.2	10.0	9.9
18-19	77.5	73.3	64.5	54.8	47.2	42.2	45.1
20-24	128.4	122.6	115.8	107.6	93.3	85.2	98.2
25-29	131.1	132.2	132.3	133.4	135.2	135.1	167.4
30-34	99.3	100.7	101.1	104.8	104.7	105.9	133.9
35-39	41.0	40.9	44.1	44.4	45.5	47.3	61.8
40+	4.2	4.0	3.9	3.9	3.6	3.7	5.0

**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, 2009-2019**

**NON-HISPANIC BLACK**

Area/ Age	2009- 2013	2010- 2014	2011- 2015	2012- 2016	2013- 2017	2014- 2018	2015- 2019
<b>Delaware</b>	104.3	100.4	96.9	93.8	90.3	87.2	107.1
<15	2.4	2.3	1.9	1.4	1.2	1.2	1.3
15-19	75.0	68.4	60.0	53.7	48.6	43.1	51.3
15-17	40.9	37.2	32.4	28.5	24.8	22.5	25.8
18-19	121.2	111.2	98.7	89.9	83.5	73.8	89.4
20-24	187.6	173.8	160.4	147.8	135.1	127.2	150.9
25-29	173.6	166.0	160.8	154.6	149.1	141.1	173.4
30-34	116.6	117.0	117.5	118.6	117.0	116.1	145.4
35-39	60.5	60.8	62.0	63.1	63.5	64.0	81.1
40+	7.0	6.7	6.5	6.5	6.8	7.1	9.2
<b>Kent</b>	94.4	91.3	89.4	88.3	87.9	86.2	108.4
<15	0.8	0.8	0.8	0.7	0.9	1.2	1.5
15-19	61.0	57.1	52.1	51.5	46.7	42.6	55.2
15-17	35.8	31.2	26.5	23.9	21.3	20.0	25.8
18-19	84.5	83.9	82.7	89.4	84.3	76.3	98.8
20-24	137.7	125.1	118.0	112.4	113.7	118.6	147.2
25-29	169.7	161.7	155.6	143.3	129.0	113.1	135.6
30-34	113.4	114.3	113.5	116.1	119.5	121.5	160.2
35-39	55.1	58.8	63.1	65.4	67.8	69.3	89.0
40+	7.4	7.0	5.8	6.2	7.5	7.7	10.5
<b>New Castle</b>	107.4	103.1	99.1	94.9	90.0	86.3	105.5
<15	2.7	2.6	2.1	1.7	1.2	1.1	1.2
15-19	79.2	72.1	61.9	53.5	47.6	42.0	48.0
15-17	42.1	38.7	33.6	29.3	24.8	22.2	24.3
18-19	135.3	121.6	103.3	88.6	81.3	71.3	83.6
20-24	203.9	189.1	174.0	157.7	137.8	125.2	147.3
25-29	177.9	169.9	164.5	159.5	155.6	149.9	185.9
30-34	122.5	122.0	122.2	122.4	119.3	116.6	144.1
35-39	62.4	62.1	62.6	63.2	63.2	64.1	81.1
40+	7.2	6.9	6.9	6.8	7.1	7.2	9.1
<b>Sussex</b>	104.5	101.9	98.7	97.5	95.9	93.9	114.3
<15	3.7	3.3	2.4	1.5	1.3	1.3	1.1
15-19	79.4	69.5	63.1	58.5	56.4	50.1	62.7
15-17	42.1	38.6	35.0	31.6	30.1	27.8	34.1
18-19	139.2	117.3	105.5	97.7	94.1	82.9	104.9
20-24	225.1	218.5	200.8	187.0	172.2	157.0	177.7
25-29	156.7	151.9	149.3	149.1	156.6	159.6	199.7
30-34	87.5	92.6	96.5	101.6	100.6	104.7	129.6
35-39	57.4	55.8	56.4	58.4	58.0	55.1	68.7
40+	5.4	5.2	5.0	5.2	3.9	5.5	8.0

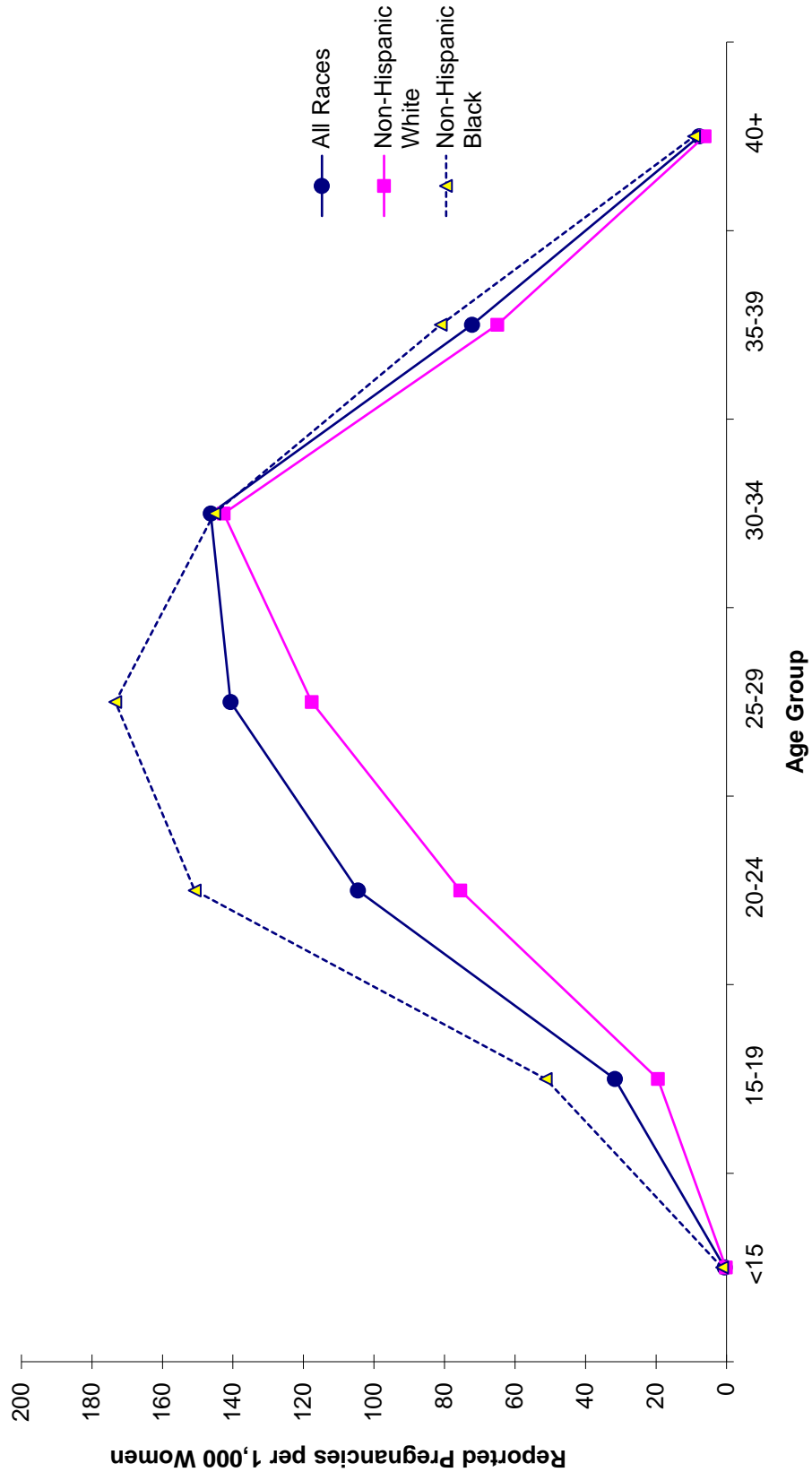
*Notes:*

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*

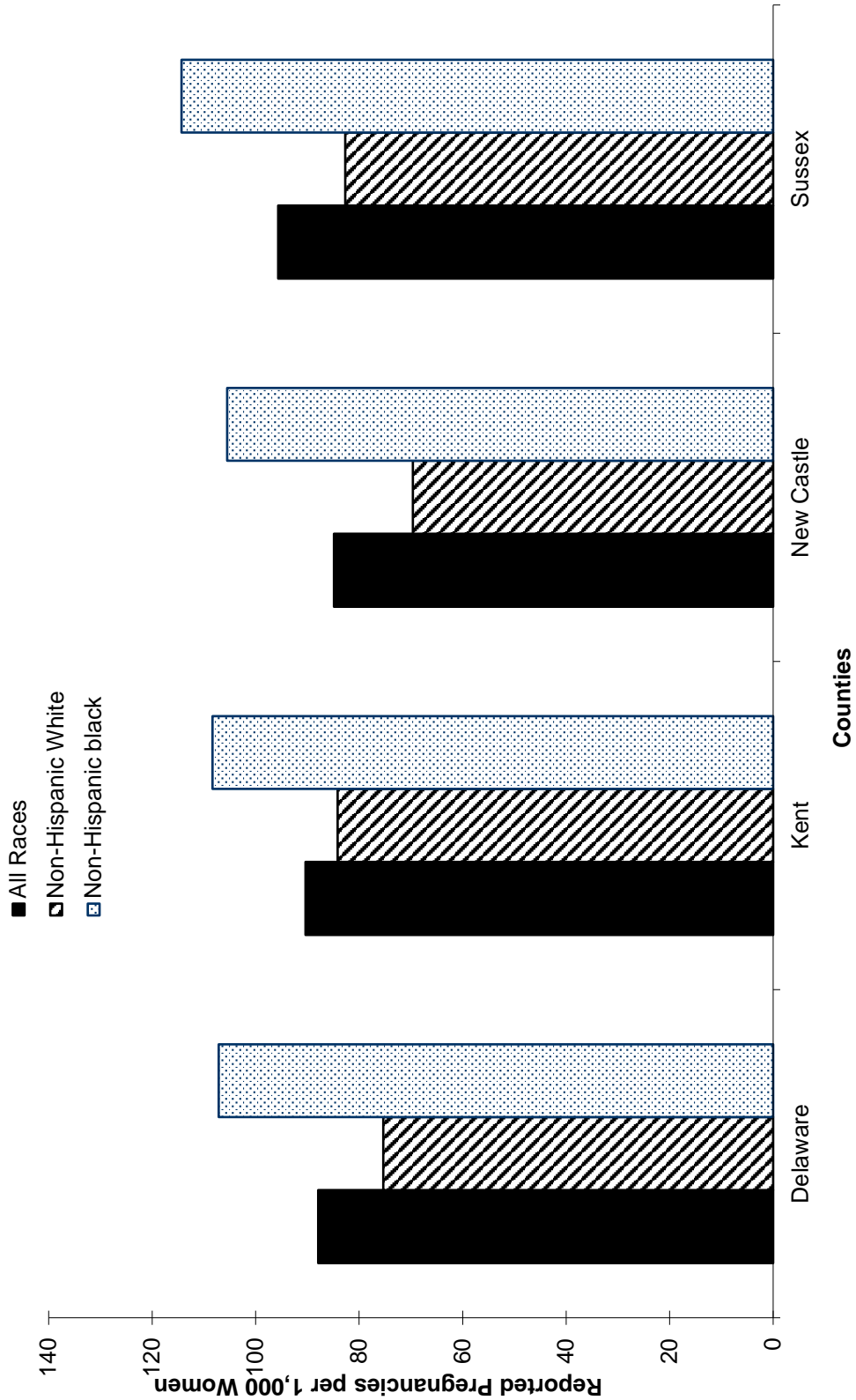


**Figure D-1. Five-year Average Rate of Reported Pregnancies by Age and Race, Delaware, 2015-2019**



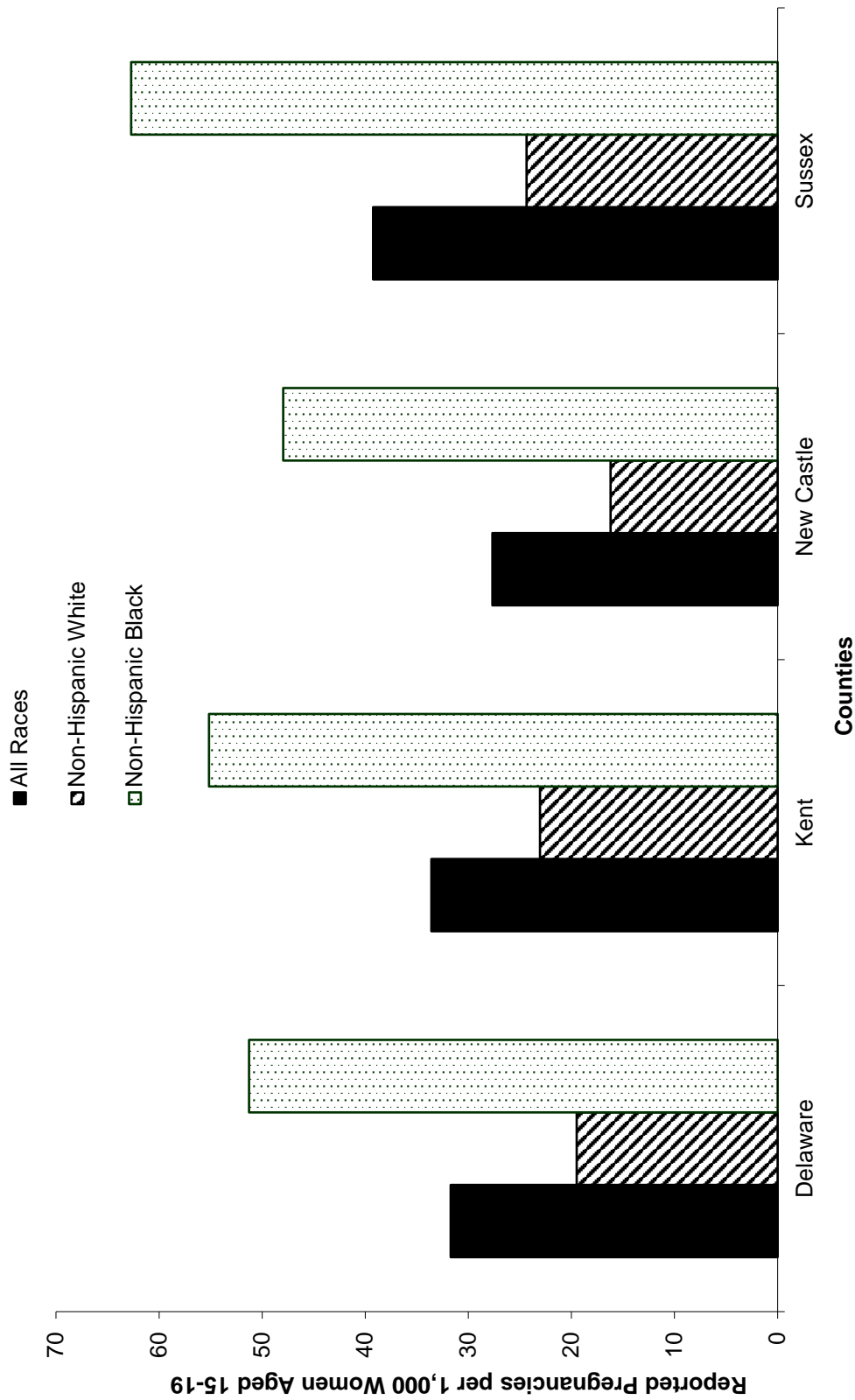
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure D-2. Five-year Average Rate of Reported Pregnancies by County and Race, Delaware, 2015-2019**



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, 2015-2019**



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

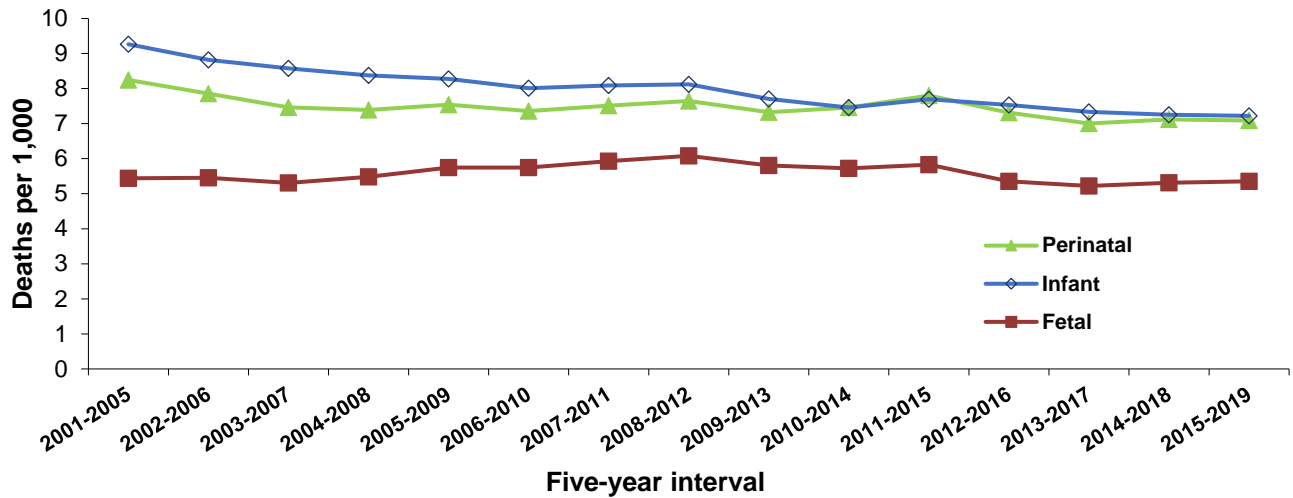
The background of the slide consists of several parallel, diagonal grey lines that create a textured, grid-like pattern. The lines are evenly spaced and run from the top-left towards the bottom-right.

# Fetal & Perinatal Deaths

## 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 and infant mortality follow the same trends, decreasing from 2001-2005 until 2015-2019. By 2015-2019 the rates were nearly the same at 7.1 perinatal deaths per 1,000 live births and 7.2 infant deaths per 1,000 live births. The fetal death trends paralleled those of perinatal mortality trends with fetal death rates remaining constantly lower than perinatal rates.

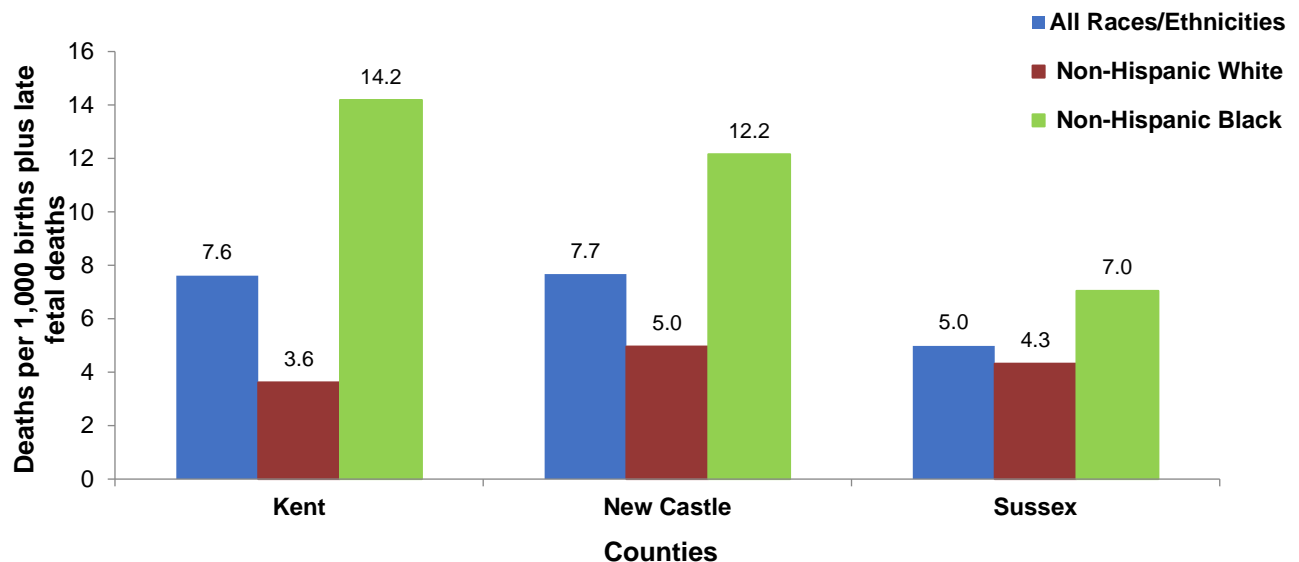
**Figure 24. Five-year Fetal, Perinatal, and Infant Mortality Rates, Delaware, 2001-2019**



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

Non-Hispanic black perinatal mortality rates for 2015-2019 were substantially higher than non-Hispanic white perinatal mortality rates, regardless of county. In Kent County, the non-Hispanic black perinatal mortality rate of 14.2 perinatal deaths per 1,000 live births was nearly four times that of the non-Hispanic white perinatal mortality rate of 3.6 perinatal deaths per 1,000 live births.

**Figure 25. Five-year Average Perinatal Mortality Rates by Race and County, Delaware, 2015-2019**

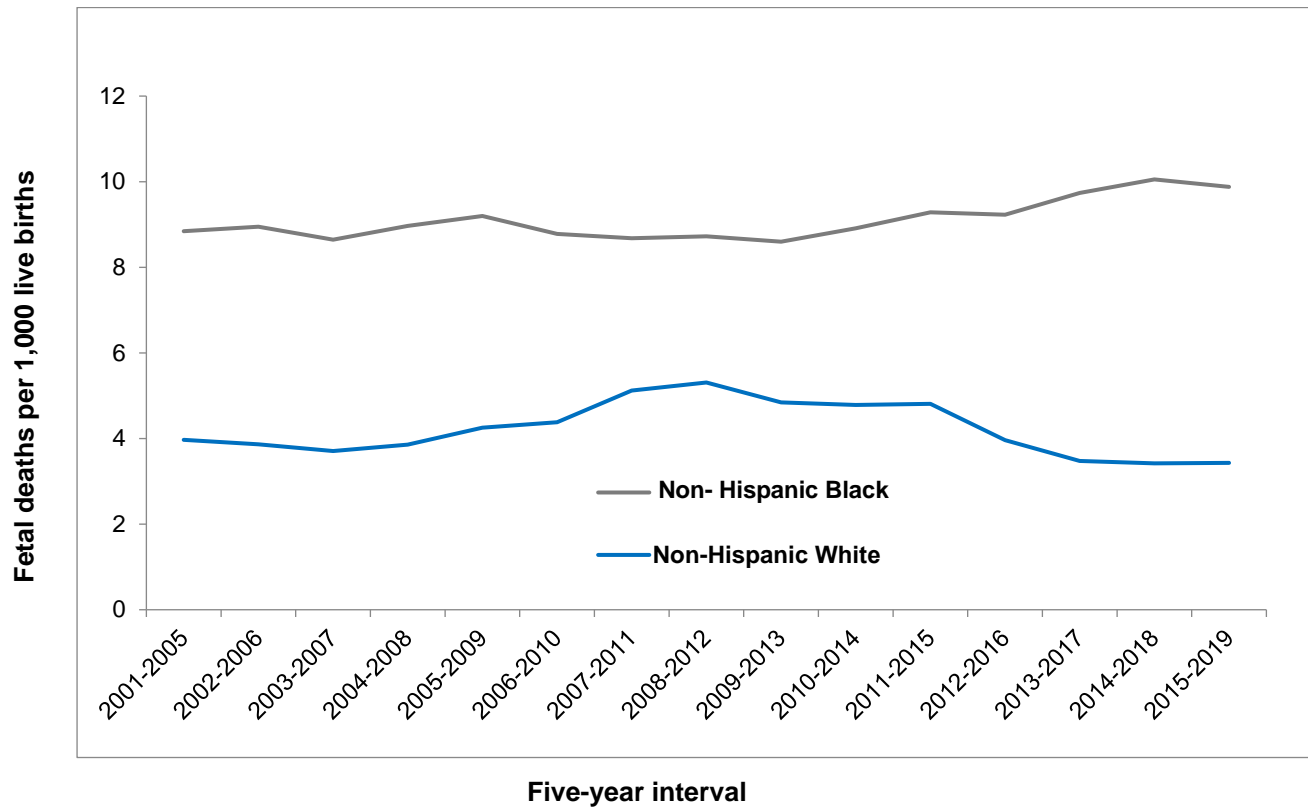


Source: Delaware Department of Social Services, Division of Public Health, Delaware Health Statistics Center

## FETAL AND PERINATAL DEATHS

In 2019, 57 fetal deaths were reported in Delaware. In 2015-2019, the fetal mortality rate was 5.3 fetal deaths per 1,000 live births. Fetal mortality rates for non-Hispanic black women have been consistently higher than the rates for non-Hispanic white women, and in 2015-2019 they were 188 percent higher than the rate of non-Hispanic white women (9.8 versus 3.4).

**Figure 26. Five-year Average Fetal Mortality Rates by Mother's Race Delaware, 2001-2019**



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, AND AGE OF WOMAN BY COUNTY, DELAWARE, 2019**

Area/ Age	Race-Hispanic Origin				
	All Races	White Non-Hispanic	Black Non-Hispanic	Other Non-Hispanic	Hispanic*
<b>Delaware</b>	57	20	27	1	9
<20	4	1	1	0	2
20-24	10	1	9	0	0
25-34	29	12	10	1	6
35+	14	6	7	0	1
Unknown	0	0	0	0	0
<b>Kent</b>	16	4	10	0	2
<20	1	0	1	0	0
20-24	6	1	5	0	0
25-34	6	1	3	0	2
35+	3	2	1	0	0
Unknown	0	0	0	0	0
<b>New Castle</b>	30	10	14	1	5
<20	1	0	0	0	1
20-24	4	0	4	0	0
25-34	15	7	4	1	3
35+	10	3	6	0	1
Unknown	0	0	0	0	0
<b>Sussex</b>	11	6	3	0	2
<20	2	1	0	0	1
20-24	0	0	0	0	0
25-34	8	4	3	0	1
35+	1	1	0	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, 2019**

Education	Race-Hispanic Origin				
	All Races	White Non-Hispanic	Black Non-Hispanic	Other Non-Hispanic	Hispanic*
<b>Total</b>	57	20	27	1	9
<9	1	0	0	0	1
9 to 11	4	0	2	0	2
H.S. Grad	18	4	11	0	3
1 to 3 College	20	9	9	0	2
4+ College	11	5	5	1	0
Unknown	3	2	0	0	1

**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:**

**TABLE D-13. NUMBER OF FETAL DEATHS BY RACE, HISPANIC ORIGIN, AND MARITAL STATUS OF WOMAN BY COUNTY, DELAWARE, 2019**

Area/ Marital Status	Race-Hispanic Origin				
	All Races	White Non-Hispanic	Black Non-Hispanic	Other Non-Hispanic	Hispanic*
<b>Delaware</b>	57	20	27	1	9
Married	24	13	5	1	5
Single	33	7	22	0	4
<b>Kent</b>	16	4	10	0	2
Married	7	3	2	0	2
Single	9	1	8	0	0
<b>New Castle</b>	30	10	14	1	5
Married	11	6	2	1	2
Single	19	4	12	0	3
<b>Sussex</b>	11	6	3	0	2
Married	6	4	1	0	1
Single	5	2	2	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, RACE, AND ETHNICITY OF WOMAN BY COUNTY, DELAWARE, 2019**

Area/ Weight	Non-Hispanic				
	All Races	White	Black	Other	Hispanic
<b>Delaware</b>	57	20	27	1	9
<500	15	3	11	1	0
500-749	9	2	4	0	3
750-999	2	0	0	0	2
1000-1499	6	4	2	0	0
1500-1999	5	2	2	0	1
2000-2499	7	5	1	0	1
2500+	13	4	7	0	2
Unknown	0	0	0	0	0
<b>Kent</b>	16	4	10	0	2
<500	7	2	5	0	0
500-749	3	1	2	0	0
750-999	0	0	0	0	0
1000-1499	0	0	0	0	0
1500-1999	0	0	0	0	0
2000-2499	2	1	0	0	1
2500+	4	0	3	0	1
Unknown	0	0	0	0	0
<b>New Castle</b>	30	10	14	1	5
<500	5	0	4	1	0
500-749	5	1	2	0	2
750-999	1	0	0	0	1
1000-1499	3	2	1	0	0
1500-1999	5	2	2	0	1
2000-2499	3	2	1	0	0
2500+	8	3	4	0	1
Unknown	0	0	0	0	0
<b>Sussex</b>	11	6	3	0	2
<500	3	1	2	0	0
500-749	1	0	0	0	1
750-999	1	0	0	0	1
1000-1499	3	2	1	0	0
1500-1999	0	0	0	0	0
2000-2499	2	2	0	0	0
2500+	1	1	0	0	0
Unknown	0	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-1) . NUMBER OF FETAL DEATHS BY WEEKS OF GESTATION, RACE, AND ETHNICITY OF WOMAN BY COUNTY, DELAWARE, 2019**

Area/ Age	Non-Hispanic				
	All Races	White	Black	Other	Hispanic
<b>Delaware</b>	57	20	27	1	9
<20 Weeks	3	0	0	1	2
20-24 Weeks	12	2	9	0	1
25-29 Weeks	11	6	4	0	1
30-34 Weeks	13	5	7	0	1
35-39 Weeks	16	6	6	0	4
40+ Weeks	2	1	1	0	0
Unknown	0	0	0	0	0
<b>Kent</b>	15	4	10	0	1
<20 Weeks	0	0	0	0	0
20-24 Weeks	5	1	4	0	0
25-29 Weeks	3	2	1	0	0
30-34 Weeks	2	0	2	0	0
35-39 Weeks	4	1	2	0	1
40+ Weeks	1	0	1	0	0
Unknown	0	0	0	0	0
<b>New Castle</b>	30	10	14	1	5
<20 Weeks	3	0	0	1	2
20-24 Weeks	4	0	4	0	0
25-29 Weeks	4	3	1	0	0
30-34 Weeks	8	2	5	0	1
35-39 Weeks	10	4	4	0	2
40+ Weeks	1	1	0	0	0
Unknown	0	0	0	0	0
<b>Sussex</b>	12	6	3	0	3
<20 Weeks	0	0	0	0	0
20-24 Weeks	3	1	1	0	1
25-29 Weeks	4	1	2	0	1
30-34 Weeks	3	3	0	0	0
35-39 Weeks	2	1	0	0	1
40+ Weeks	0	0	0	0	0
Unknown	0	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*

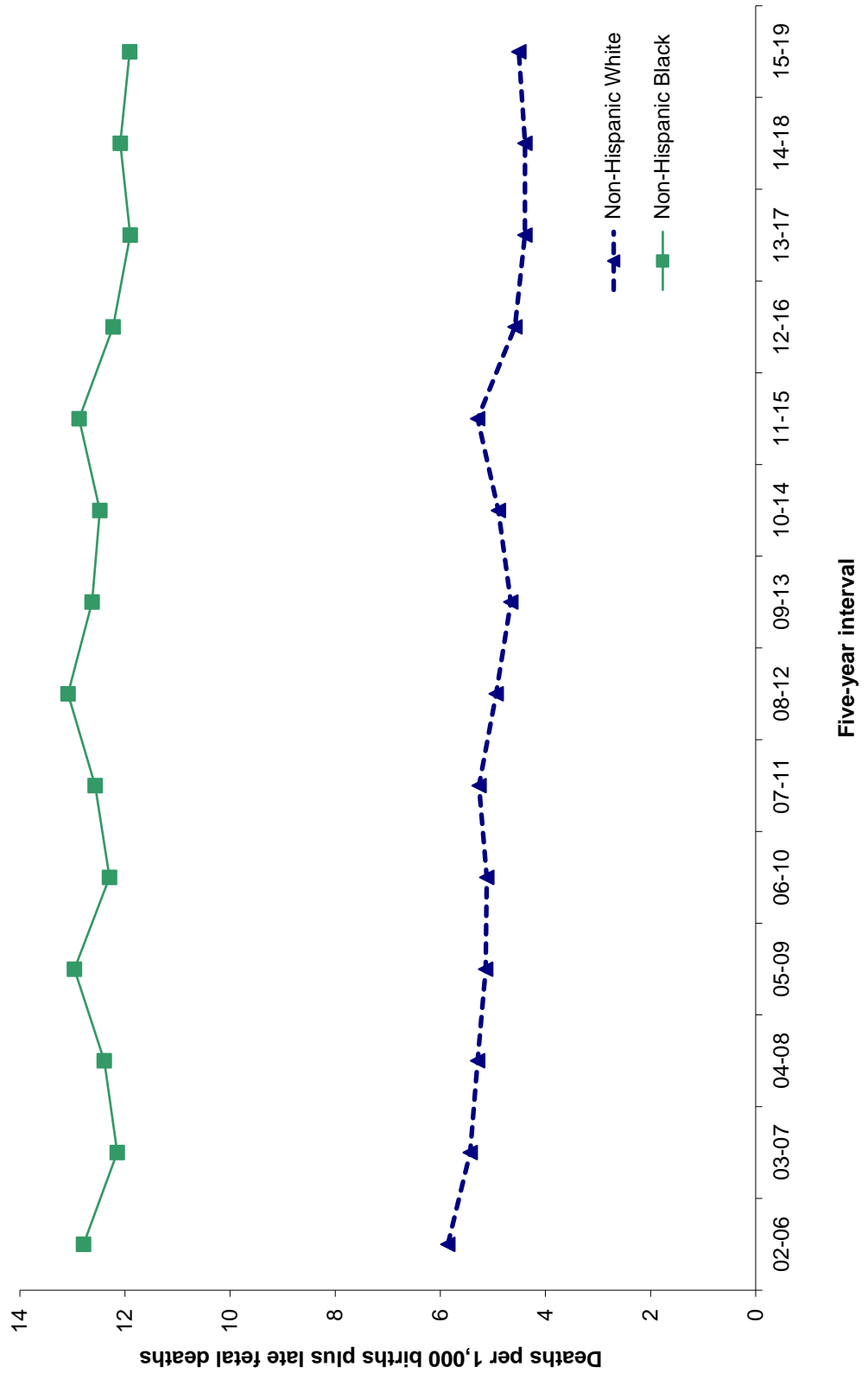
**TABLE D-16. FIVE-YEAR AVERAGE PERINATAL MORTALITY RATES BY RACE AND COUNTY, DELAWARE, 2002-2019**

Area/ Race	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>Delaware</b>														
All Races	7.9	7.5	7.4	7.5	7.4	7.5	7.6	7.3	7.5	7.8	7.3	7.0	7.1	7.1
White Non-Hispanic	5.9	5.4	5.3	5.1	5.1	5.3	4.9	4.7	4.9	5.3	4.6	4.4	4.4	4.5
Black Non-Hispanic	12.8	12.1	12.4	13.0	12.3	12.6	13.1	12.6	12.5	12.9	12.2	11.9	12.1	11.9
<b>Kent</b>														
All Races	8.0	5.7	5.9	6.3	5.9	6.4	7.2	6.3	6.1	6.7	6.3	6.1	6.7	7.6
White Non-Hispanic	5.8	3.2	3.2	3.1	3.6	4.2	4.3	4.1	4.4	4.2	3.6	3.4	3.6	3.6
Black Non-Hispanic	14.0	11.8	12.9	14.8	11.5	11.1	13.2	10.9	8.9	11.2	11.2	10.6	12.1	14.2
<b>New Castle</b>														
All Races	8.2	8.1	8.0	8.1	7.9	8.3	8.4	8.1	8.4	8.8	8.0	7.8	7.8	7.7
White Non-Hispanic	5.8	5.7	5.6	5.7	5.3	5.7	5.4	4.9	4.9	5.8	4.7	4.6	4.6	5.0
Black Non-Hispanic	13.1	12.5	12.6	12.4	12.8	13.7	13.5	13.6	14.4	14.2	13.0	13.3	13.0	12.2
<b>Sussex</b>														
All Races	6.7	7.2	6.8	6.9	7.1	6.1	5.9	6.0	6.2	5.9	6.2	5.5	5.5	5.0
White Non-Hispanic	6.2	7.0	6.7	5.8	6.2	5.3	4.2	4.5	5.4	5.2	5.2	4.9	4.6	4.3
Black Non-Hispanic	10.0	10.8	10.8	13.1	11.0	9.6	10.8	10.5	8.8	9.0	10.0	7.4	8.0	7.0

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, 2002- 2019**



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

**TABLE D-17. NUMBER AND PERCENTAGE OF INDUCED TERMINATIONS OF PREGNANCY BY SELECTED CHARACTERISTICS, DELAWARE, 2019**

Characteristic	Number	Percent	Characteristic	Number	Percent
<b>Total</b>	2,042	100.0%	<b>Marital Status</b>		
<b>Place of Residence</b>			Married	224	11.0%
Delaware	1,765	86.4%	Single	1,818	89.0%
Kent	368	18.0%	Unknown	0	0.0%
New Castle	1,103	54.0%	<b>Weeks of Gestation</b>		
Sussex	294	14.4%	<7 Weeks	536	26.2%
Maryland	126	6.2%	7 Weeks	474	23.2%
New Jersey	37	1.8%	8 Weeks	320	15.7%
Pennsylvania	101	4.9%	9-10 Weeks	390	19.1%
Other State	13	0.6%	11-12 Weeks	162	7.9%
<b>Age</b>			13-15 Weeks	126	6.2%
<15	8	0.4%	16-20 Weeks	22	1.1%
15-17	76	3.7%	21+ Weeks	9	0.4%
18-19	164	8.0%	Unknown	3	0.1%
20-24	575	28.2%	<b>Type of Procedure</b>		
25-29	574	28.1%	Suction Curettage	823	40.3%
30-34	388	19.0%	Medical (Nonsurgical)	1,184	58.0%
35-39	209	10.2%	Intrauterine Installation	0	0.0%
40+	48	2.4%	Other	5	0.2%
Unknown	0	0.0%	Unknown	30	1.5%
<b>Race</b>			<b>Previous Pregnancies</b>		
White	1,055	51.7%	None	592	29.0%
Black	914	44.8%	1	432	21.2%
American Indian	6	0.3%	2	345	16.9%
Asian and Pacific Islander	59	2.9%	3+	659	32.3%
Other Races	8	0.4%	Unknown	14	0.7%
Unknown	0		<b>Previous Live Births</b>		
<b>Hispanic Origin</b>			None	849	41.6%
Yes	244	11.9%	1	501	24.5%
No	1,785	87.4%	2	390	19.1%
Unknown	13	0.6%	3+	280	13.7%
<b>Level of Education</b>			Unknown	22	1.1%
<9	34	1.7%	<b>Previous Induced Abortions</b>		
9-11	262	12.8%	None	1,244	60.9%
H.S. Graduate	874	42.8%	1	472	23.1%
1 to 3 College	520	25.5%	2	197	9.6%
4+ College	276	13.5%	3+	109	5.3%
Unknown	76	3.7%	Unknown	20	1.0%

*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 PERCENTAGE OF INDUCED TERMINATIONS OF PREGNANCY BY PLACE OF RESIDENCE, RACE, AND AGE OF NON-HISPANIC WOMAN, DELAWARE, 2019**

Place of Residence/ Race	Age															
	Total		<18		18-19		20-24		25-29		30-34		35+		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Terminations</b>	1,798	100.0	70	3.9	140	7.8	492	27.4	513	28.5	360	20.0	223	12.4	0	0.0
Non-Hispanic White	868	100.0	25	2.9	71	8.2	248	28.6	242	27.9	168	19.4	114	13.1	0	0.0
Non-Hispanic Black	858	100.0	41	4.8	67	7.8	224	26.1	256	29.8	174	20.3	96	11.2	0	0.0
Non-Hispanic Other	72	100.0	4	5.6	2	2.8	20	27.8	15	20.8	18	25.0	13	18.1	0	0.0
Unknown	0	...	0	...	0	...	0	...	0	...	0	...	0	...	0	...
<b>Delaware</b>	1,548	100.0	62	4.0	122	7.9	407	26.3	447	28.9	324	20.9	186	12.0	0	0.0
Non-Hispanic White	688	100.0	19	2.8	58	8.4	190	27.6	189	27.5	144	20.9	88	12.8	0	0.0
Non-Hispanic Other	64	100.0	4	6.3	2	3.1	16	25.0	15	23.4	17	26.6	10	15.6	0	0.0
Unknown	0	...	0	...	0	...	0	...	0	...	0	...	0	...	0	...
<b>Kent</b>	344	100.0	15	4.4	37	10.8	78	22.7	101	29.4	74	21.5	39	11.3	0	0.0
Non-Hispanic White	139	100.0	2	1.4	18	12.9	31	22.3	41	29.5	28	20.1	19	13.7	0	0.0
Non-Hispanic Other	12	100.0	2	16.7	0	0.0	6	50.0	2	16.7	1	8.3	1	8.3	0	0.0
Unknown	0	...	0	...	0	...	0	...	0	...	0	...	0	...	0	...
<b>New Castle</b>	967	100.0	37	3.8	69	7.1	276	28.5	269	27.8	202	20.9	114	11.8	0	0.0
Non-Hispanic White	385	100.0	12	3.1	25	6.5	117	30.4	104	27.0	82	21.3	45	11.7	0	0.0
Non-Hispanic Other	47	100.0	1	2.1	2	4.3	9	19.1	12	25.5	14	29.8	9	19.1	0	0.0
Unknown	0	...	0	...	0	...	0	...	0	...	0	...	0	...	0	...
<b>Sussex</b>	237	100.0	10	4.2	16	6.8	53	22.4	77	32.5	48	20.3	33	13.9	0	0.0
Non-Hispanic White	164	100.0	5	3.0	15	9.1	42	25.6	44	26.8	34	20.7	24	14.6	0	0.0
Non-Hispanic Other	5	100.0	1	20.0	0	0.0	1	20.0	1	20.0	2	40.0	0	0.0	0	0.0
Unknown	0	...	0	...	0	...	0	...	0	...	0	...	0	...	0	...
<b>Other State</b>	250	100.0	8	3.2	18	7.2	85	34.0	66	26.4	36	14.4	37	14.8	0	0.0
Non-Hispanic White	180	100.0	6	3.3	13	7.2	58	32.2	53	29.4	24	13.3	26	14.4	0	0.0
Non-Hispanic Other	8	100.0	0	0.0	0	0.0	4	50.0	0	0.0	1	12.5	3	37.5	0	0.0
Unknown	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 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, 2019**

Place of Residence/ Weeks	Age								
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+
<b>All Terminations</b>	2,042	8	76	164	575	574	388	209	48
<7 Weeks	536	1	13	38	166	151	99	52	16
7 Weeks	474	3	15	34	133	143	89	49	8
8 Weeks	320	0	15	27	90	89	59	34	6
9-10 Weeks	390	2	19	34	104	106	72	39	14
11-12 Weeks	162	2	5	15	45	43	35	13	4
13-15 Weeks	126	0	8	13	30	35	23	17	0
16-20 Weeks	22	0	1	3	4	3	8	3	0
21+ Weeks	9	0	0	0	1	4	2	2	0
Unknown	3	0	0	0	2	0	1	0	0
<b>Delaware</b>	1,765	8	68	143	477	503	348	174	44
<7 Weeks	445	1	10	32	134	128	84	41	15
7 Weeks	404	3	11	29	107	124	82	41	7
8 Weeks	282	0	15	24	75	81	52	29	6
9-10 Weeks	347	2	18	31	91	95	65	33	12
11-12 Weeks	145	2	5	13	40	38	33	10	4
13-15 Weeks	114	0	8	11	26	31	23	15	0
16-20 Weeks	18	0	1	3	3	2	6	3	0
21+ Weeks	8	0	0	0	0	4	2	2	0
Unknown	2	0	0	0	1	0	1	0	0
<b>Kent</b>	368	1	15	41	87	107	76	32	9
<7 Weeks	95	0	2	9	28	27	18	8	3
7 Weeks	89	1	3	8	28	25	21	2	1
8 Weeks	59	0	3	7	13	18	8	8	2
9-10 Weeks	59	0	4	8	7	18	14	6	2
11-12 Weeks	35	0	3	4	5	10	8	4	1
13-15 Weeks	29	0	0	5	6	9	6	3	0
16-20 Weeks	1	0	0	0	0	0	0	1	0
21+ Weeks	1	0	0	0	0	0	1	0	0
Unknown	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	1,103	6	41	82	312	307	220	108	27
<7 Weeks	270	1	7	18	82	78	52	24	8
7 Weeks	249	1	7	18	69	75	49	25	5
8 Weeks	180	0	8	14	50	52	34	18	4
9-10 Weeks	234	2	10	16	71	58	44	24	9
11-12 Weeks	87	2	2	8	26	21	22	5	1
13-15 Weeks	63	0	6	5	11	19	14	8	0
16-20 Weeks	13	0	1	3	2	2	3	2	0
21+ Weeks	5	0	0	0	0	2	1	2	0
Unknown	2	0	0	0	1	0	1	0	0
<b>Sussex</b>	294	1	12	20	78	89	52	34	8
<7 Weeks	80	0	1	5	24	23	14	9	4
7 Weeks	66	1	1	3	10	24	12	14	1
8 Weeks	43	0	4	3	12	11	10	3	0
9-10 Weeks	54	0	4	7	13	19	7	3	1
11-12 Weeks	23	0	0	1	9	7	3	1	2
13-15 Weeks	22	0	2	1	9	3	3	4	0
16-20 Weeks	4	0	0	0	1	0	3	0	0
21+ Weeks	2	0	0	0	0	2	0	0	0
Unknown	0	0	0	0	0	0	0	0	0
<b>Other State</b>	277	0	8	21	98	71	40	35	4
<7 Weeks	91	0	3	6	32	23	15	11	1
7 Weeks	70	0	4	5	26	19	7	8	1
8 Weeks	38	0	0	3	15	8	7	5	0
9-10 Weeks	43	0	1	3	13	11	7	6	2
11-12 Weeks	17	0	0	2	5	5	2	3	0
13-15 Weeks	12	0	0	2	4	4	0	2	0
16-20 Weeks	4	0	0	0	1	1	2	0	0
21+ Weeks	1	0	0	0	1	0	0	0	0
Unknown	1	0	0	0	1	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, 2019**

Place of Residence/ Age	Number of Previous Pregnancies					Not Stated
	Total	None	1	2	3+	
<b>All Terminations</b>	2,042	592	432	345	659	14
<20	488	373	96	12	7	0
20-24	575	251	155	94	69	6
25-29	574	100	125	125	220	4
30-34	388	40	68	67	209	4
35-39	209	11	31	41	126	0
40+	48	0	5	12	31	0
Unknown	0	0	0	0	0	0
<b>Delaware</b>	1,765	482	375	296	601	11
<20	219	164	45	6	4	0
20-24	477	194	135	81	62	5
25-29	503	81	108	105	206	3
30-34	348	36	59	60	190	3
35-39	174	7	24	35	108	0
40+	44	0	4	9	31	0
Unknown	0	0	0	0	0	0
<b>Kent</b>	368	101	72	59	133	3
<20	57	44	12	1	0	0
20-24	87	39	22	15	11	0
25-29	107	11	21	23	50	2
30-34	76	6	12	10	47	1
35-39	32	1	5	8	18	0
40+	9	0	0	2	7	0
Unknown	0	0	0	0	0	0
<b>New Castle</b>	1,103	301	246	182	366	8
<20	129	96	25	5	3	0
20-24	312	119	93	50	45	5
25-29	307	57	70	63	116	1
30-34	220	24	42	37	115	2
35-39	108	5	12	22	69	0
40+	27	0	4	5	18	0
Unknown	0	0	0	0	0	0
<b>Sussex</b>	294	80	57	55	102	0
<20	33	24	8	0	1	0
20-24	78	36	20	16	6	0
25-29	89	13	17	19	40	0
30-34	52	6	5	13	28	0
35-39	34	1	7	5	21	0
40+	8	0	0	2	6	0
Unknown	0	0	0	0	0	0
<b>Other State</b>	277	110	57	49	58	3
<20	29	26	3	0	0	0
20-24	98	57	20	13	7	1
25-29	71	19	17	20	14	1
30-34	40	4	9	7	19	1
35-39	35	4	7	6	18	0
40+	4	0	1	3	0	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, 2019**

Place of Residence/ Age	Number of Previous Live Births					
	Total	None	1	2	3+	Not Stated
<b>All Terminations</b>	2,042	849	501	390	280	22
<20	248	220	26	1	1	0
20-24	575	345	146	61	16	7
25-29	574	179	175	141	71	8
30-34	388	75	95	107	106	5
35-39	209	27	50	63	67	2
40+	48	3	9	17	19	0
Unknown	0	0	0	0	0	0
<b>Delaware</b>	1,765	704	437	347	257	20
<20	219	193	24	1	1	0
20-24	477	278	127	51	15	6
25-29	503	148	150	131	67	7
30-34	348	65	85	97	96	5
35-39	174	18	44	51	59	2
40+	44	2	7	16	19	0
Unknown	0	0	0	0	0	0
<b>Kent</b>	368	132	98	73	62	3
<20	57	51	6	0	0	0
20-24	87	50	23	10	4	0
25-29	107	17	42	29	17	2
30-34	76	10	17	23	25	1
35-39	32	4	9	9	10	0
40+	9	0	1	2	6	0
Unknown	0	0	0	0	0	0
<b>New Castle</b>	1,103	464	273	202	147	17
<20	129	114	14	1	0	0
20-24	312	185	82	30	9	6
25-29	307	109	84	71	38	5
30-34	220	45	60	54	57	4
35-39	108	9	28	36	33	2
40+	27	2	5	10	10	0
Unknown	0	0	0	0	0	0
<b>Sussex</b>	294	108	66	72	48	0
<20	33	28	4	0	1	0
20-24	78	43	22	11	2	0
25-29	89	22	24	31	12	0
30-34	52	10	8	20	14	0
35-39	34	5	7	6	16	0
40+	8	0	1	4	3	0
Unknown	0	0	0	0	0	0
<b>Other State</b>	277	145	64	43	23	2
<20	29	27	2	0	0	0
20-24	98	67	19	10	1	1
25-29	71	31	25	10	4	1
30-34	40	10	10	10	10	0
35-39	35	9	6	12	8	0
40+	4	1	2	1	0	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 INDUCED TERMINATIONS, DELAWARE, 2019**

Place of Residence/ Age	Number of Previous Induced Terminations					
	Total	None	1	2	3+	Not Stated
<b>All Terminations</b>	2,042	1,244	472	197	109	20
<20	248	216	27	4	1	0
20-24	575	402	122	31	13	7
25-29	574	300	165	69	35	5
30-34	388	192	95	53	42	6
35-39	209	110	51	31	15	2
40+	48	24	12	9	3	0
Unknown	0	0	0	0	0	0
<b>Delaware</b>	1,765	1,052	416	185	97	15
<20	219	188	26	4	1	0
20-24	477	323	109	28	11	6
25-29	503	259	142	66	32	4
30-34	348	170	85	52	37	4
35-39	174	90	43	27	13	1
40+	44	22	11	8	3	0
Unknown	0	0	0	0	0	0
<b>Kent</b>	368	232	77	35	20	4
<20	57	52	5	0	0	0
20-24	87	63	18	3	2	1
25-29	107	58	28	14	5	2
30-34	76	38	15	11	11	1
35-39	32	17	9	4	2	0
40+	9	4	2	3	0	0
Unknown	0	0	0	0	0	0
<b>New Castle</b>	1,103	627	267	128	70	11
<20	129	108	16	4	1	0
20-24	312	197	79	24	7	5
25-29	307	149	91	40	25	2
30-34	220	105	53	35	24	3
35-39	108	54	23	20	10	1
40+	27	14	5	5	3	0
Unknown	0	0	0	0	0	0
<b>Sussex</b>	294	193	72	22	7	0
<20	33	28	5	0	0	0
20-24	78	63	12	1	2	0
25-29	89	52	23	12	2	0
30-34	52	27	17	6	2	0
35-39	34	19	11	3	1	0
40+	8	4	4	0	0	0
Unknown	0	0	0	0	0	0
<b>Other State</b>	277	192	56	12	12	5
<20	29	28	1	0	0	0
20-24	98	79	13	3	2	1
25-29	71	41	23	3	3	1
30-34	40	22	10	1	5	2
35-39	35	20	8	4	2	1
40+	4	2	1	1	0	0
Unknown	0	0	0	0	0	0

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

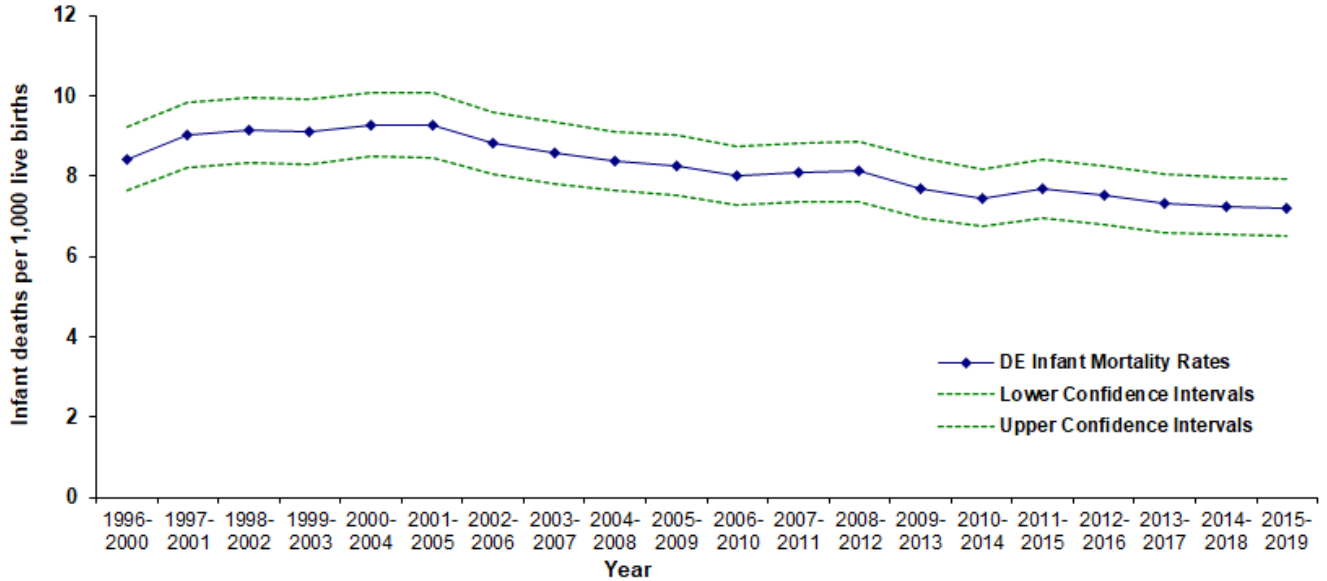
The background of the slide consists of several parallel, diagonal grey lines that run from the top-left towards the bottom-right. These lines are spaced evenly and create a textured, grid-like appearance.

# Infant Mortality

## INFANT MORTALITY

In 2015-2019, Delaware's infant mortality rate (IMR) was 7.2 infant deaths per 1,000 live births, resulting in a total decline of 22.6 percent from the 2000-2004 rate of 9.3 infant deaths per 1,000 live births.

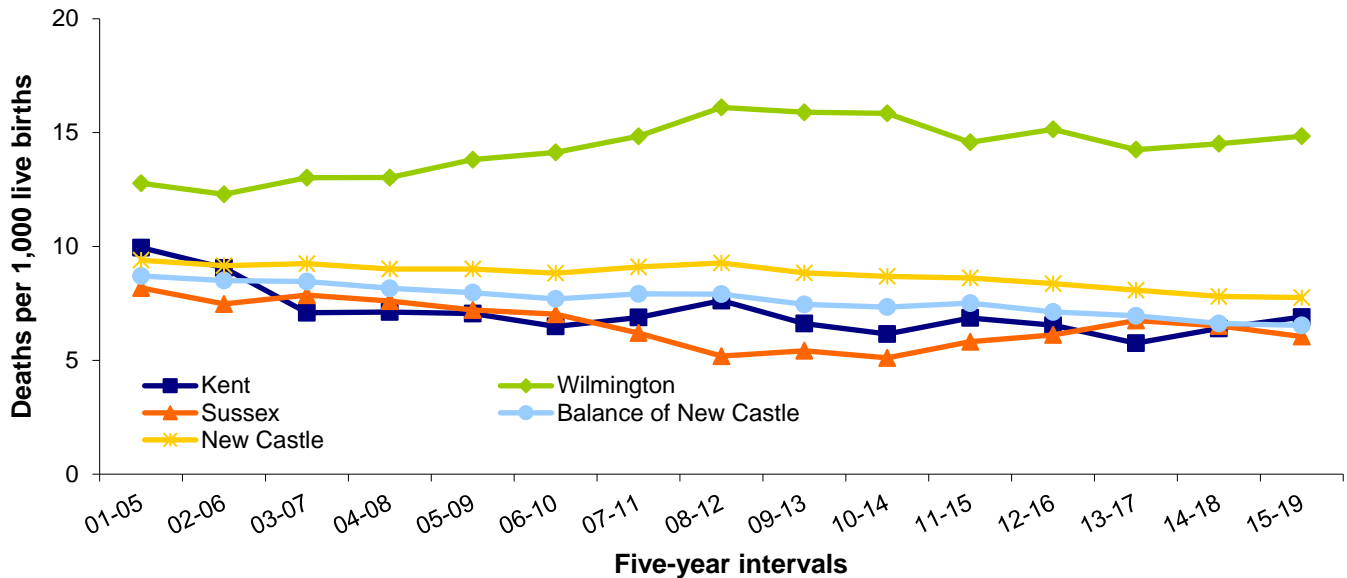
**Figure 27. Five-year Average Infant Mortality Rates with Confidence Intervals, Delaware, 1996-2019**



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 high IMR in the balance of New Castle County resulted in New Castle County's IMR being higher than the IMRs of both Kent and Sussex counties at 7.8 infant deaths per 1,000 live births. In 2015-2019 Sussex County's IMR remained the lowest at 6.0 infant deaths per 1,000 live births. During the same time period the balance of New Castle County's IMR was 6.5 infant deaths per 1,000 live births; Wilmington's IMR was 14.8 infant deaths per 1,000 live births; and Kent County's IMR was 6.9 infant deaths per 1,000 live births.

**Figure 28. Five-year Average Infant Mortality Rates, Delaware Counties and City of Wilmington, Delaware, 2001-2019**

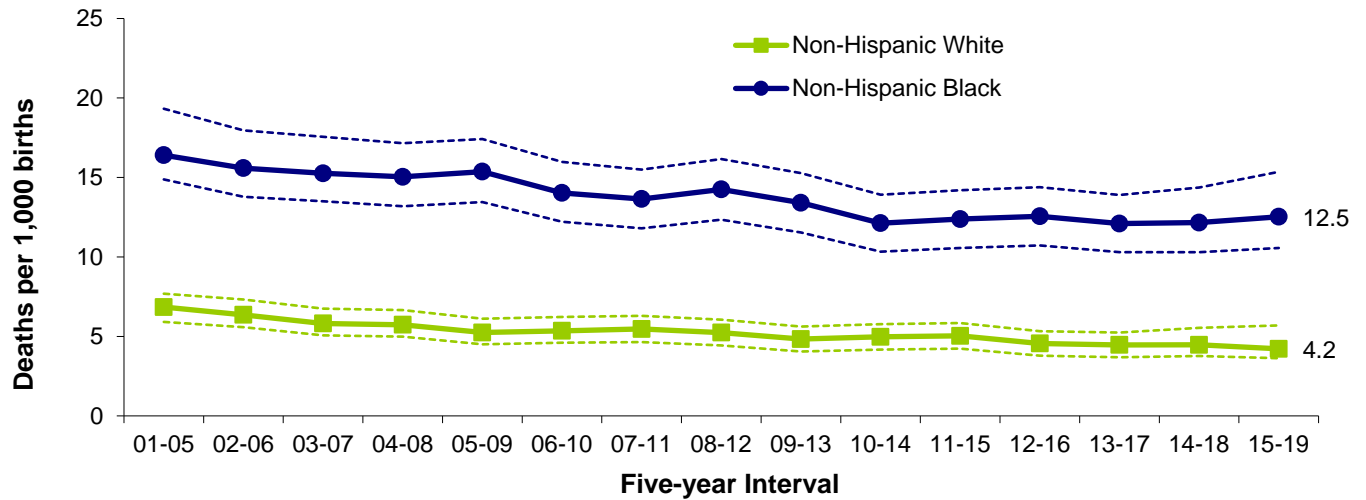


Source: Delaware Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## INFANT MORTALITY

Non-Hispanic black infants experienced a lower percentage of decrease in mortality rates than non-Hispanic white infants. In 2015-2019 the non-Hispanic black IMR of 12.5 infant deaths per 1,000 live births was a 24 percent decrease from the 16.4 rate in 2001-2005. Non-Hispanic white IMR decreased 38 percent from 6.8 in 2001-2005 to 4.2 infant deaths per 1,000 live births in 2015-2019.

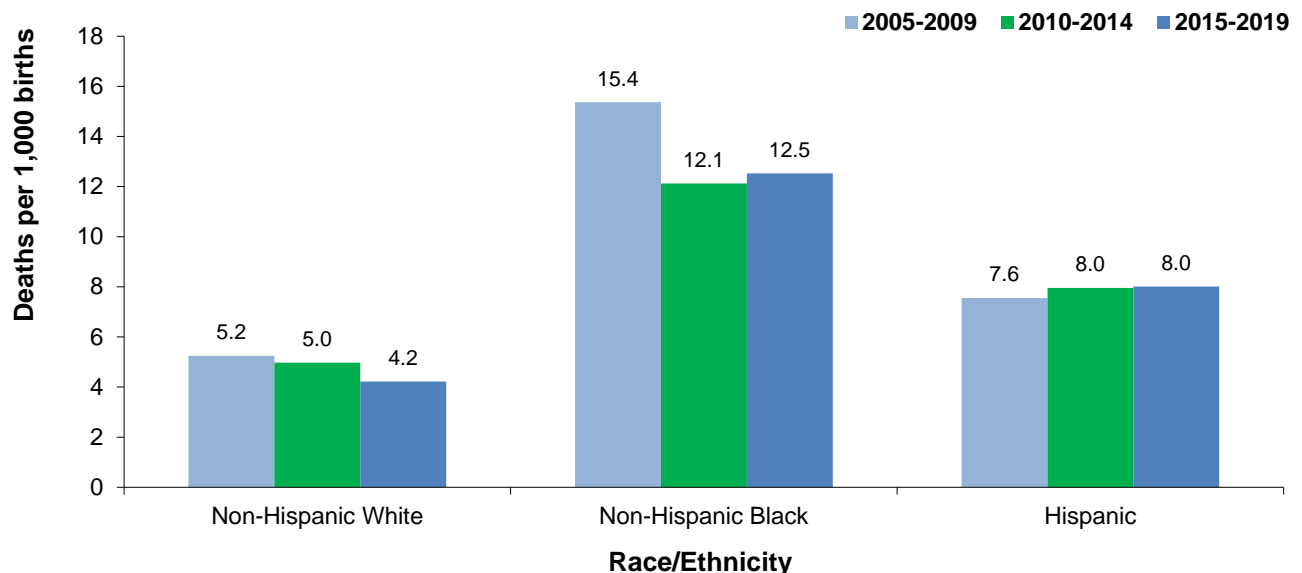
**Figure 29. Five-year Average Infant Mortality Rates by Race with Confidence Intervals, Delaware, 2001-2019**



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

Significant disparities existed between non-Hispanic black and non-Hispanic white infant mortality rates. Non-Hispanic black IMRs were three times higher than the non-Hispanic white IMRs in 2015-2019. Non-Hispanic black IMRs were highest in all three time periods depicted below with the highest rate of 15.4 infant deaths per 1,000 live births in 2005-2009. The non-Hispanic black rate in 2015-2019 was 1.6 times higher than the Hispanic rate of 8.0 infant deaths per 1,000 live births. From 2005-2009 to 2015-2019 the Hispanic IMR increased five percent (7.6 to 8.0 infant deaths per 1,000 live births).

**Figure 30. Five-year Average Infant Mortality Rates by Race and Hispanic Origin, Delaware 2005-2019**

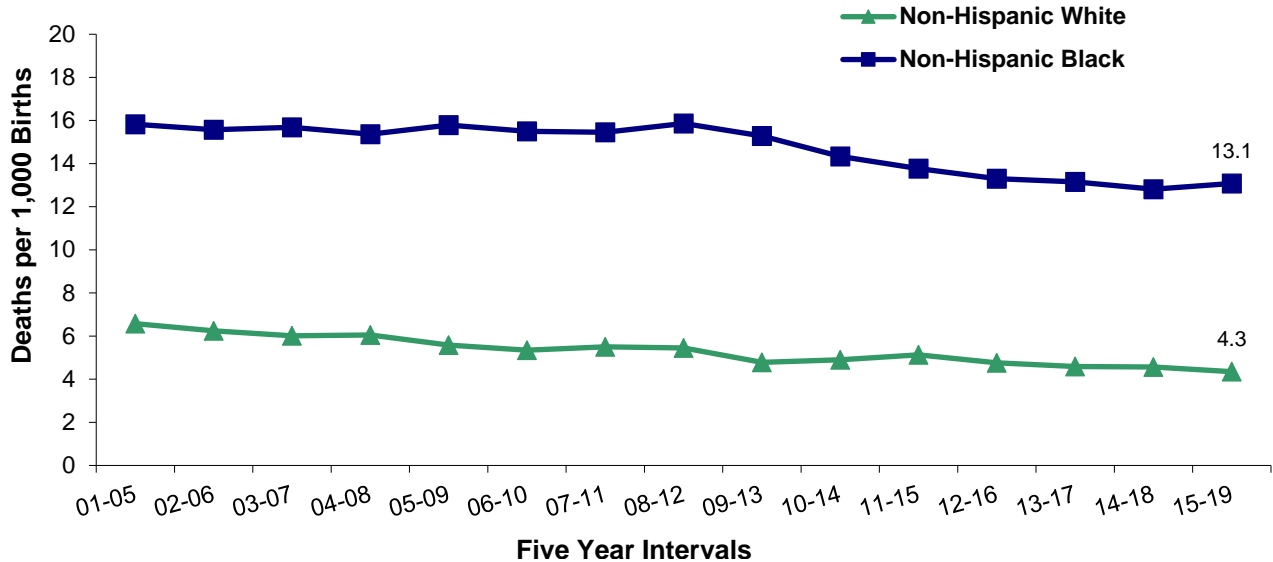


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## INFANT MORTALITY- Leading Causes of Death

In 2015-2019, New Castle County had the highest IMRs and Sussex had the lowest. Non-Hispanic black IMRs in New Castle County were stable at 16 infant deaths per 1,000 live births from 2000 to 2012, and decreased 18 percent to 13.1 infant deaths per 1,000 live births in 2015-2019. Disparity between the races is evident in all three counties, with the New Castle non-Hispanic black rate three times higher than the non-Hispanic white rate for 2015-2019.

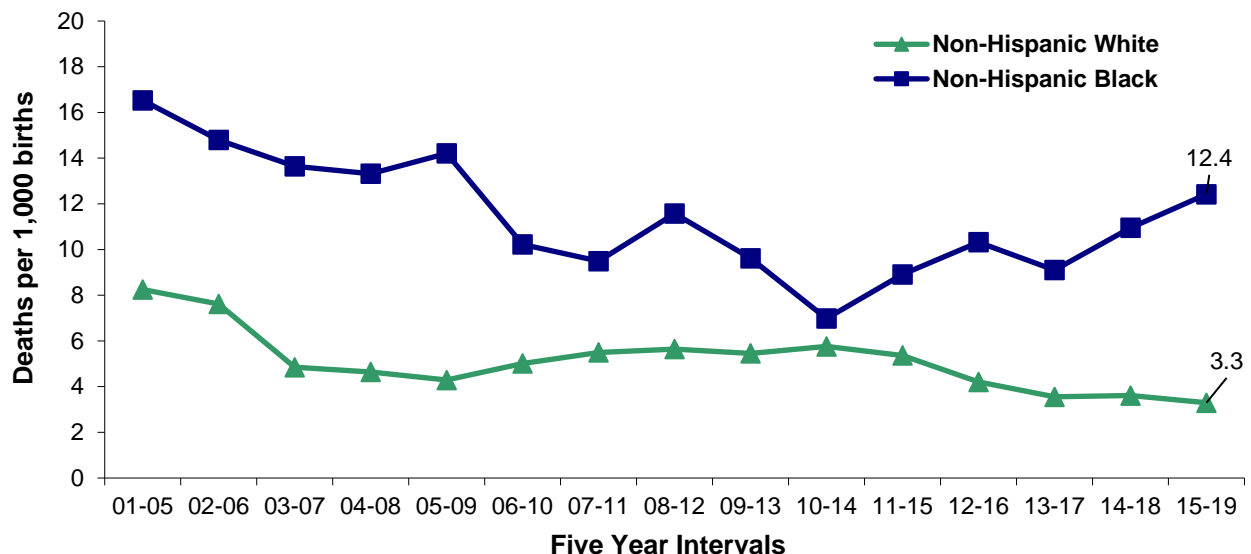
**Figure 31. Five-year Average Infant Mortality Rates by Race, New Castle County, Delaware, 2001-2019**



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

Non-Hispanic black IMRs in Kent County peaked at 16.5 infant deaths per 1,000 live births in 2001-2005. The non-Hispanic black IMR decreased 25 percent to 12.4 infant death per 1,000 live births in 2015-2019. The non-Hispanic white IMR had a 60 percent decrease from 2001-2005 to 2015-2019 (8.2 to 3.3 infant deaths per 1,000 live births). The non-Hispanic Black IMR was almost four times higher than the non-Hispanic white IMR.

**Figure 32. Five-year Average Infant Mortality Rates by Race, Kent County, Delaware, 2001-2019**

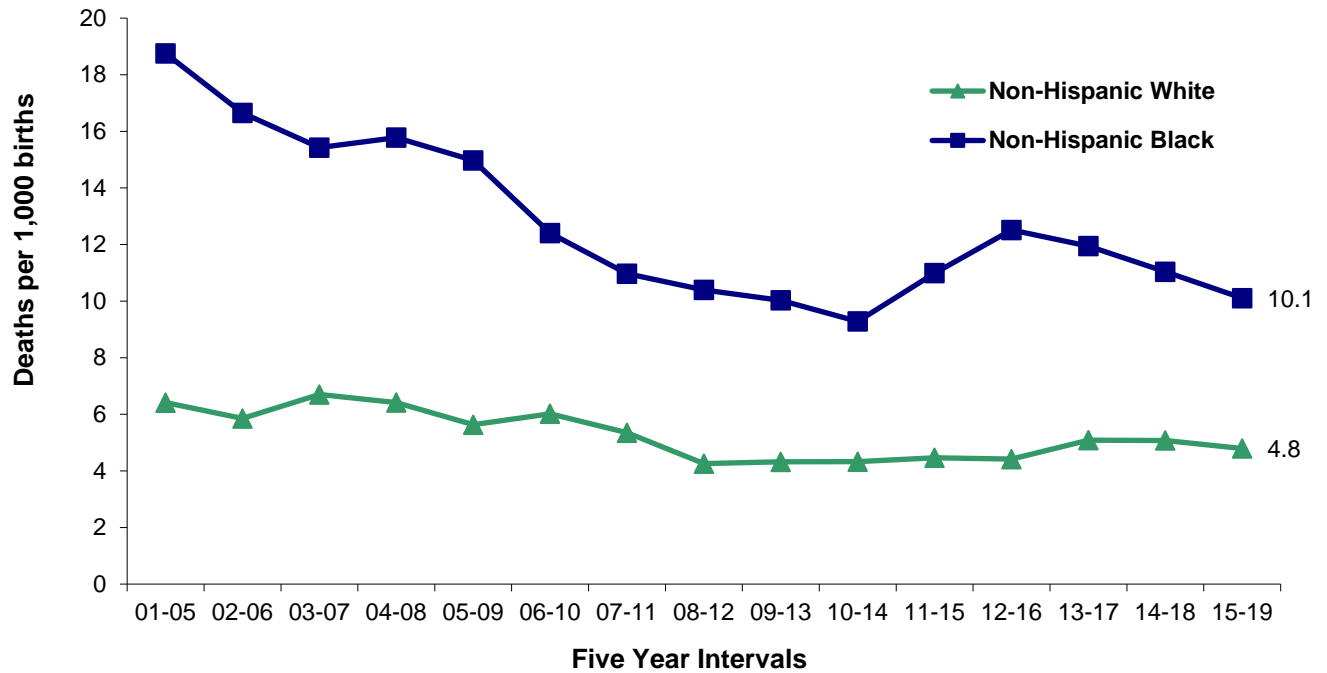


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## INFANT MORTALITY- Leading Causes of Death

Sussex County's non-Hispanic black IMR decreased to 10.1 infant deaths per 1,000 live births in 2015-2019, a 46 percent reduction from the 2001-2005 peak of 18.8 infant deaths per 1,000 live births. Sussex County's non-Hispanic white IMR had a 25 percent decrease from its peak in 2003-2007 to 2015-2019 (6.4 to 4.8 infant deaths per 1,000 live births). Sussex County had the smallest disparity between the races with non-Hispanic black IMRs two times higher than non-Hispanic white IMRs in 2015-2019.

**Figure 33. Five-year Average Infant Mortality Rates by Race, Sussex County, Delaware, 2001-2019**



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

## INFANT MORTALITY- Leading Causes of Death

In 2015-2019 there were 389 infant deaths. The five leading causes of infant death in Delaware were:

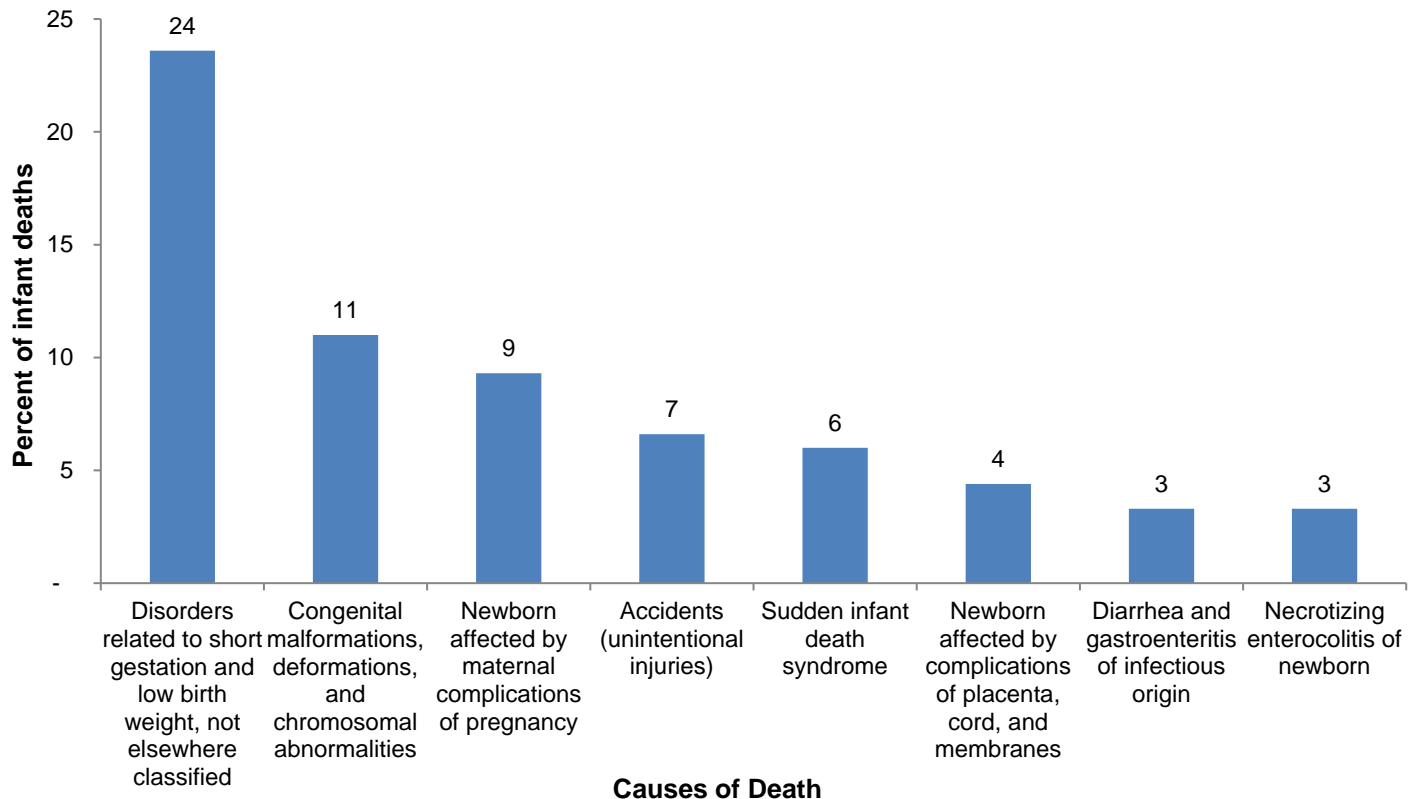
- Disorders related to short gestation and low birthweight, which accounted for 21.3 percent of infant deaths.
- Congenital anomalies (birth defects), which accounted for 14.9 percent of infant deaths.
- Newborns affected by maternal complications of pregnancy, which accounted for 11.1 percent of infant deaths. Of the 43 deaths attributed to this cause, 36 were due to the newborn being affected by incompetent cervix and premature rupture of membranes
- Sudden infant death syndrome (SIDS), which accounted for 4.4 percent of all infant deaths.
- Accidents (unintentional injuries), which accounted for 3.9 percent of infant deaths.

In sum, the five most common causes of infant death accounted for 56 percent, or 216 of the 389 total infant deaths.

The most frequent causes of death by race are shown in Figures 34-36. Birth defects, disorders related to short gestation and low birthweight, and newborn affected by maternal complications of pregnancy were the top three most frequent causes of death non-Hispanic black, non-Hispanic white, and Hispanic infants.

Though the proportions of deaths by race were similar for many of the causes of death, notable exceptions were accidents and disorders due to prematurity and low birthweight. In 2015-2019, while accidents were responsible for one percent of all non-Hispanic white infant deaths, they accounted for seven percent of non-Hispanic black infant deaths. In 2015-2019, infant deaths due to disorders related to prematurity and low birthweight also accounted for larger percentages of non-Hispanic black infant deaths (24 percent) than non-Hispanic white infant deaths (15 percent).

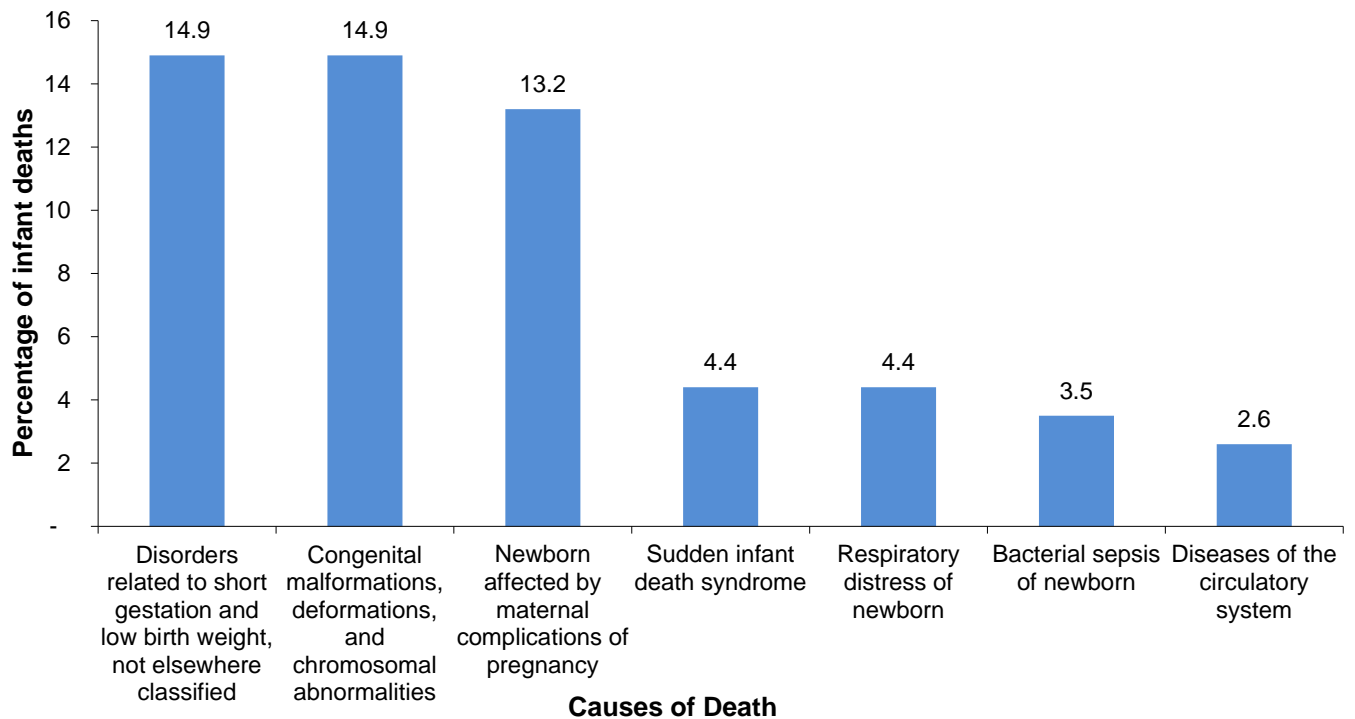
**Figure 34. Percentage of the Most Frequent Causes of Non-Hispanic Black Infant Death, Delaware, 2015-2019**



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



**Figure 35. Percentage of the Most Frequent Causes of Non- Hispanic White Infant Death, Delaware 2015-2019**

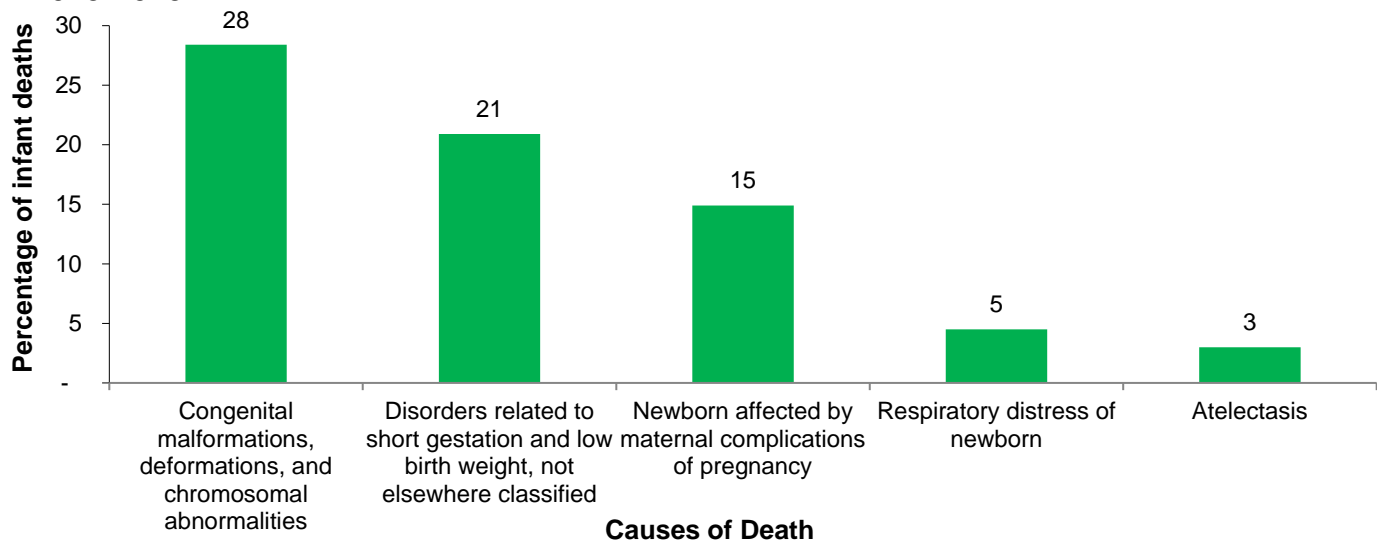


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

In 1989-1993, Hispanic births accounted for 3.6 percent of all live births and 3.4 percent of infant deaths; since that time, the proportion of births to Hispanic mothers has quadrupled. In the most recent five-year period, 2015-2019, 15.5 percent of all live births were to Hispanic mothers, and 17.2 percent of all infant deaths were of Hispanic origin.

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

**Figure 36. Percentage of the Most Frequent Causes of Hispanic Infant Death, Delaware, 2015-2019**



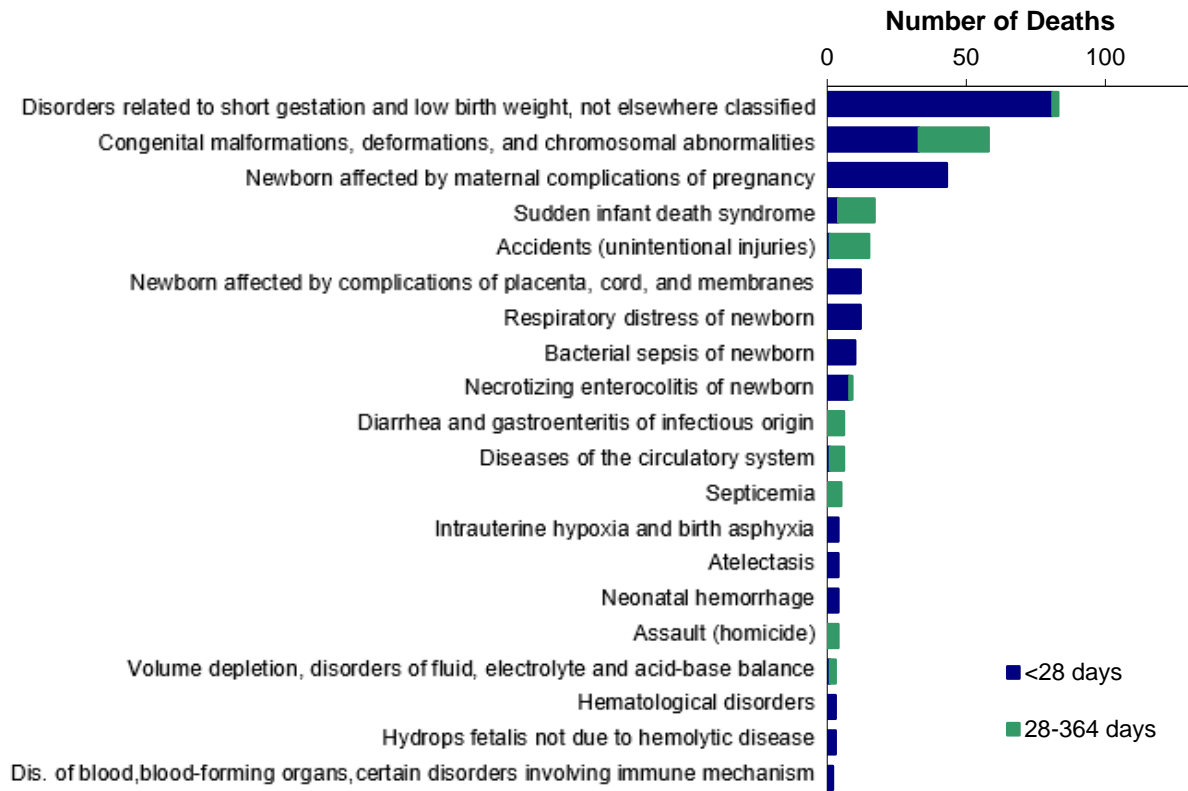
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## INFANT MORTALITY- Leading Causes of Death

In 2015-2019, approximately 94 percent of all infant deaths occurred within the first six months of life, 70.4 percent occurred within the first 28 days of life, and 41 percent occurred within 24 hours of birth.

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

**Figure. 37 Most Frequent Causes of Infant Death, Delaware, 2015-2019**



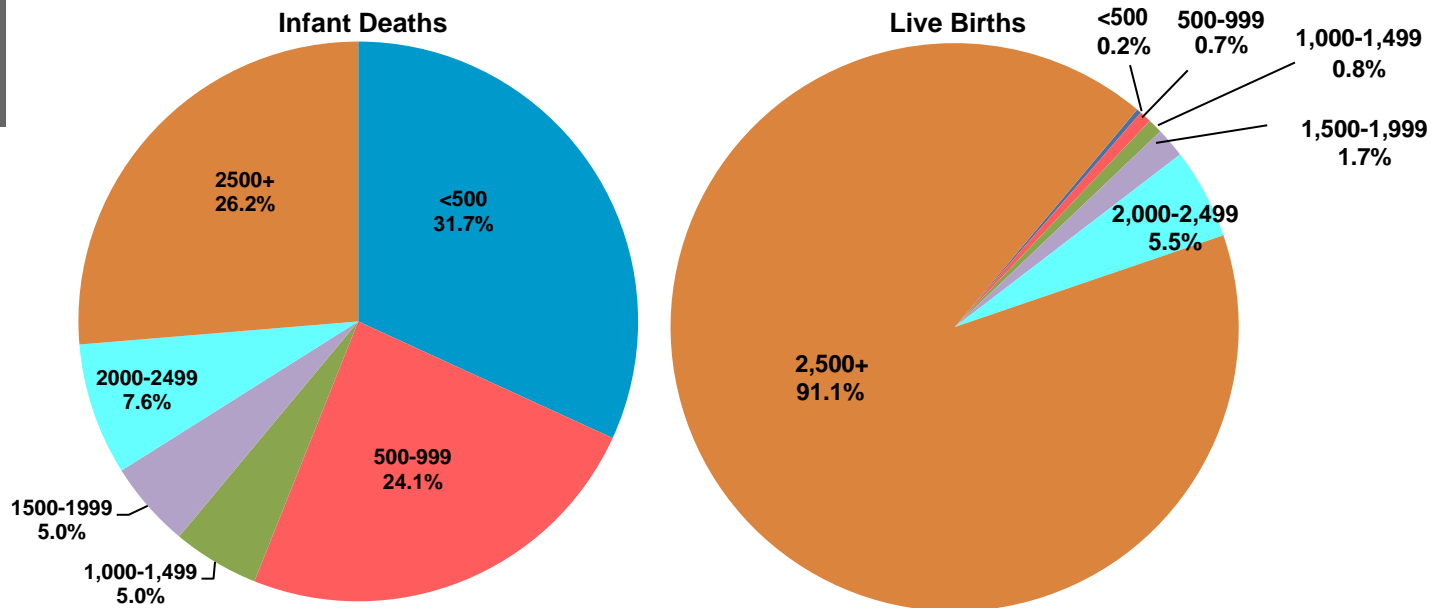
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

- Prematurity and low birthweight accounted for the greatest number of infant deaths in 2015-2019; 98 percent of these deaths occurred in the neonatal period.
- Sudden infant death syndrome (SIDS) was one of the top five causes of death. The majority of these deaths occurred in the postneonatal period, with a mean age at death of 78 days. SIDS deaths decreased 59 percent from 2010-2014 to 2015-2019 (41 to 17 SIDS deaths). The number of infant deaths in 2015-2019 (389) decreased six percent from the number of infant deaths in 2010-2014 (412).
- Sixty-five percent (11 out of 17) of the SIDS deaths were associated with co-sleeping and/or sleeping on soft surfaces, such as couches and adult beds.
- In 2015-2019, there were 16 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, seven percent of all infant deaths were associated with co-sleeping and/or unsafe sleep practices.

## INFANT MORTALITY - Live Birth Cohort

Although only 1 percent of all live births in 2014-2018 were infants weighing less than 1,000 grams, they accounted for over half (56 percent) of all infant deaths. In total, nine percent of all live births in 2014-2018 were infants of low birthweight (under 2,500 grams) and 73.4 percent of infant deaths were low birthweight.

**Figure 38. Percent Distribution by Birthweight in Grams, Delaware, Live Birth Cohort, 2014-2018**

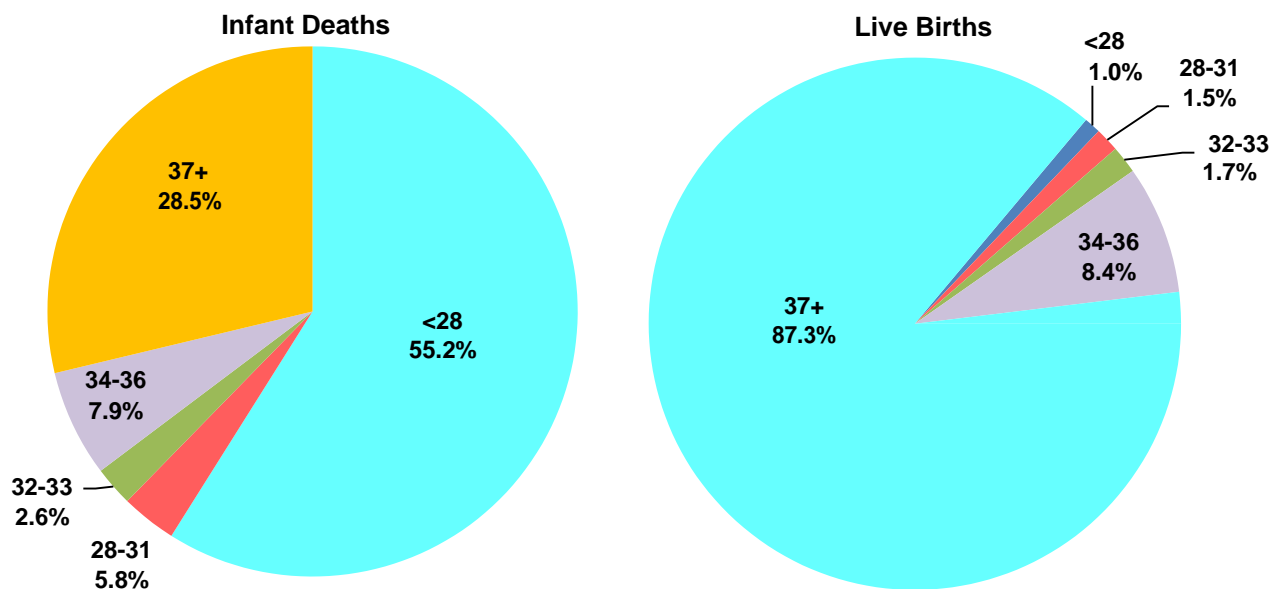


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

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 2014-2018 were less than 28 weeks gestation at birth, but they accounted for 55.2 percent of all infant deaths. In total, 12.6 percent of all live births in 2014-2018 were born preterm (<37 weeks of gestation) and 71.5 percent of infant deaths were preterm.

**Figure 39. Distribution by Gestation in Weeks, Delaware, Live Birth Cohort, 2014-2018**



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

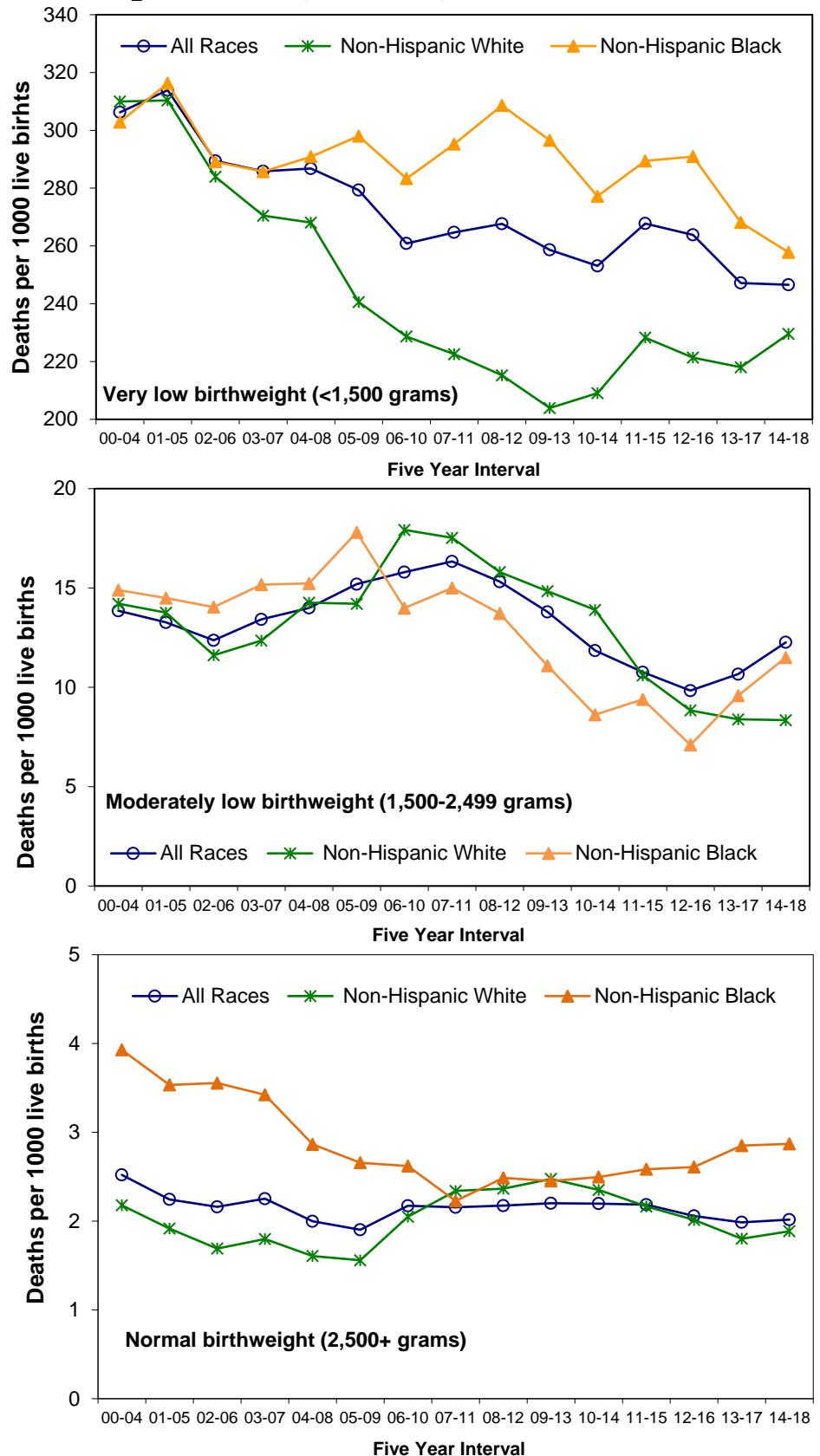
Birthweight and gestation are considered to be the most important predictors of infant health and mortality risk. Infants born too small or too early have a much greater risk of mortality than those who reach a normal birthweight (2,500+ grams) or full-term gestation (37+ weeks).

Although the IMRs decreased for both non-Hispanic white and non-Hispanic black for very low birthweight (VLBW) (<1,500 grams) since 2001-2005, the non-Hispanic black IMR of 257.8 was significantly higher than the non-Hispanic white IMR of 229.6 infant deaths per 1,000 live births in 2014-2018.

IMRs for moderately low birthweight infants of all races decreased 25 percent from its high point in 2007-2011 to 2014-2018. During that time, non-Hispanic white IMRs decreased 53 percent while the non-Hispanic black IMR decreased by 23 percent, making the non-Hispanic black IMR higher than the non-Hispanic white IMR (11.5 vs 8.3).

In 2007-2011 IMRs for normal birthweight non-Hispanic white and non-Hispanic black infants were nearly the same at 2.3 and 2.2, respectively. By 2014-2018, the non-Hispanic white IMR decreased 17 percent to 1.9 but the non-Hispanic black IMR increased 32 percent to 2.9 infant deaths per 1,000 live births. The IMR for all races had a 9 percent decrease for the same time period.

**Figure 40. Five-year Average Infant Mortality Rates by Birthweight and Race, Delaware, 2000-2018 Live Birth Cohort**

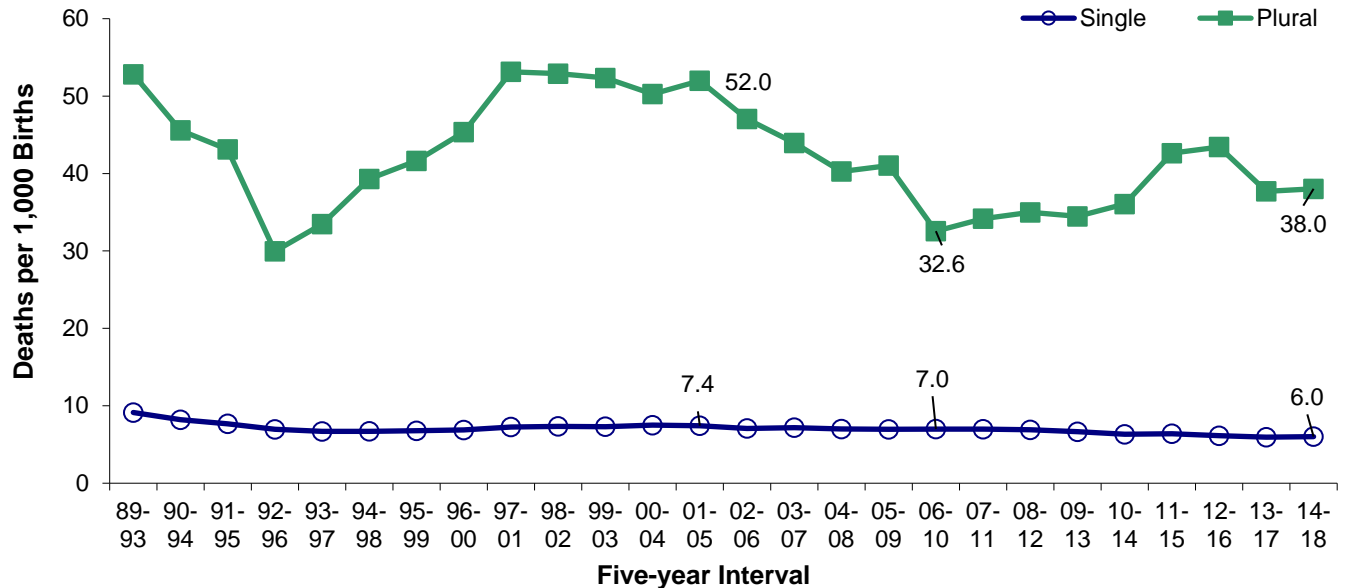


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

## INFANT MORTALITY - Live Birth Cohort

From 2001-2005 to 2006-2010, IMRs for plural births decreased 37 percent, from 52 to 33 infant deaths per 1,000 live births. Since 2006-2010, IMRs for plural births increased 17 percent from 32.6 to 38.0 infant deaths per 1,000 live births. IMRs for singleton births decreased 19 percent from 2001-2005 to 2014-2018. In 2014-2018, the infant mortality rate for plural births was more than six times that of singleton births (38.0 versus 6.0 infant deaths per 1,000 live births, respectively).

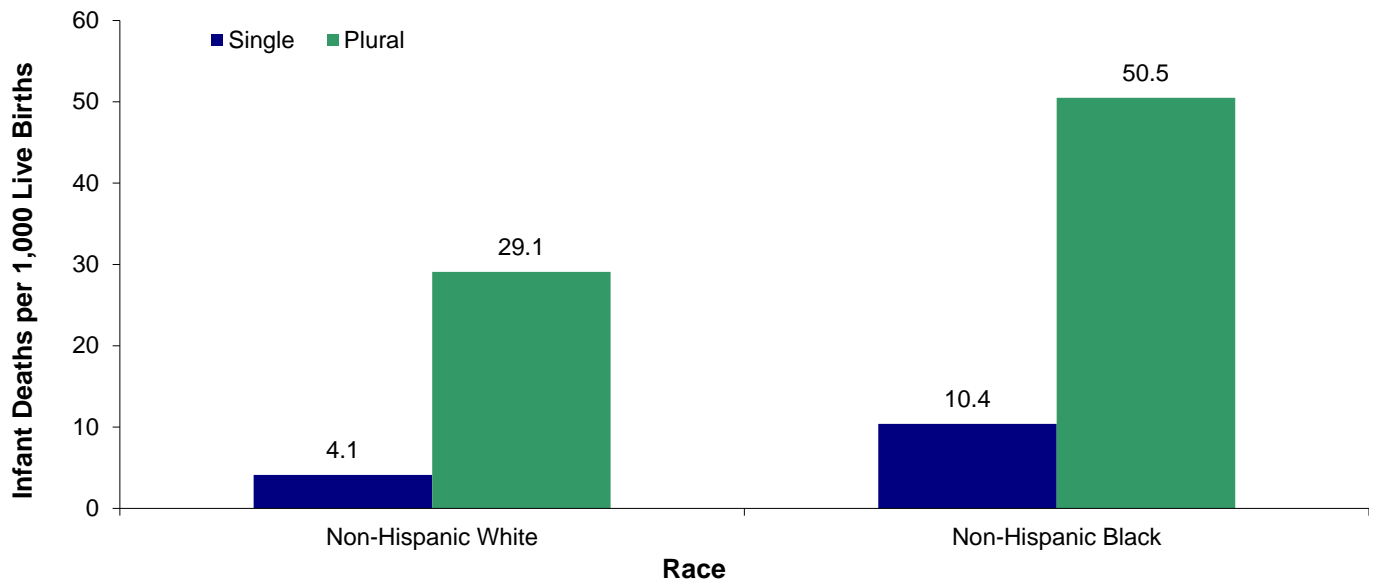
**Figure 41. Five-year Average Infant Mortality Rates by Plurality, Delaware, Live Birth Cohort, 1989-2018**



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 non-Hispanic black IMR was more than twice the non-Hispanic white IMR for singleton births and nearly two times greater for plural births.

**Figure 42. Five-year Average Infant Mortality Rates by Plurality and Race, Delaware, Live Birth Cohort, 2014-2018**



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, 2002-2019**

Area/ Race	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>U.S.</b>																		
All Races	27970	27995	27860	28384	28509	29153	28075	26408	24572	24001	23654	23446	23211	23458	23157	22341	N/A	N/A
Non-Hispanic White	13327	13228	13001	13134	12884	13005	12509	11785	11192	10886	10759	10766	10515	10444	10204	9520	N/A	N/A
Non-Hispanic Black	8031	7836	7869	7958	8241	8351	7894	7560	6758	6670	6528	6488	6435	6624	6545	6390	N/A	N/A
Non-Hispanic Other	1289	1331	1334	1380	1368	1516	1452	1397	1324	1338	1363	1280	1273	1401	1380	1402	N/A	N/A
<b>Delaware</b>																		
All Races	96	107	97	106	99	91	101	91	88	98	84	68	74	100	87	72	62	68
Non-Hispanic White	52	41	43	36	39	33	37	24	38	39	24	22	27	38	23	18	19	16
Non-Hispanic Black	35	49	44	53	44	38	49	52	35	38	43	33	29	38	39	37	33	35
Non-Hispanic Other	3	1	2	3	4	1	0	7	4	10	6	1	6	6	8	3	2	7
<b>Kent</b>																		
All Races	27	16	17	21	13	9	18	18	15	17	17	6	13	23	14	8	13	17
Non-Hispanic White	22	8	8	6	7	4	7	6	11	10	5	5	8	8	2	0	5	5
Non-Hispanic Black	5	7	8	14	5	4	7	12	3	3	10	1	4	9	8	7	7	9
Non-Hispanic Other	0	0	1	1	1	1	0	0	0	1	0	0	0	1	1	0	1	2
<b>New Castle</b>																		
All Races	55	78	60	68	68	60	70	57	58	74	58	48	49	54	62	48	37	44
Non-Hispanic White	26	27	25	23	22	19	25	13	17	24	16	12	14	19	16	11	9	8
Non-Hispanic Black	22	37	27	30	35	27	36	33	29	34	28	27	20	23	27	26	23	23
Non-Hispanic Other	3	1	0	2	2	0	0	5	3	9	6	1	6	4	7	3	0	5
<b>Wilmington</b>																		
All Races	12	18	12	18	16	17	19	18	18	17	20	14	14	10	18	15	13	13
Non-Hispanic White	1	1	1	1	1	1	2	0	1	2	4	0	3	2	0	1	1	2
Non-Hispanic Black	10	13	8	14	14	14	10	15	13	15	11	11	7	4	14	10	12	7
Non-Hispanic Other	0	0	0	0	0	0	0	2	0	0	1	0	1	1	2	2	0	0
<b>Balance of NC County</b>																		
All Races	43	60	48	50	52	43	51	39	40	57	38	34	35	44	44	33	24	31
Non-Hispanic White	25	26	24	22	21	18	23	13	16	22	12	12	11	17	16	10	8	6
Non-Hispanic Black	12	24	19	16	21	13	26	18	16	19	17	16	13	19	13	16	11	16
Non-Hispanic Other	3	1	0	2	2	0	0	3	3	9	5	1	5	3	5	1	0	5
<b>Sussex</b>																		
All Races	14	13	20	17	18	22	13	16	15	7	9	14	12	23	11	16	12	7
Non-Hispanic White	4	6	10	7	10	10	5	5	10	5	3	5	5	11	5	7	5	3
Non-Hispanic Black	8	5	9	9	4	7	6	7	3	1	5	5	5	6	4	4	3	3
Non-Hispanic Other	0	0	1	0	1	0	0	2	1	0	0	0	0	1	0	0	1	0

Notes:

- \* Based on NCHS estimate.
- 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, 2002-2019**

Area/ Race	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>U.S.</b>																		
All Races	18791	18935	18602	18782	19041	19094	18238	17261	16193	16065	15887	15893*	15737	15672	15303	14844	N/A	N/A
Non-Hispanic White	8853	8797	8499	8452	8410	8329	7936	7515	7251	7103	7070	7119*	6923	6724	6486	6191	N/A	N/A
Non-Hispanic Black	5399	5335	5283	5332	5525	5484	5159	4957	4395	4437	4354	4355*	4361	4348	4323	4150	N/A	N/A
Non-Hispanic Other	856	861	851	895	885	982	916	909	867	893	912	869*	869	937	925	924	N/A	N/A
<b>Delaware</b>																		
All Races	78	76	63	79	72	65	68	66	58	73	66	47	55	79	57	48	43	46
Non-Hispanic White	44	29	28	25	28	25	23	15	24	24	16	12	18	32	10	14	12	12
Non-Hispanic Black	28	36	28	39	33	28	35	39	25	35	34	25	20	31	27	22	23	20
Non-Hispanic Other	2	1	2	3	3	0	0	7	4	7	6	1	5	3	7	3	2	4
<b>Kent</b>																		
All Races	22	8	11	14	7	6	12	14	11	13	12	3	10	17	9	5	9	15
Non-Hispanic White	18	3	5	3	4	3	4	4	8	6	3	3	7	7	1	0	3	4
Non-Hispanic Black	4	4	5	10	3	3	5	10	2	3	8	0	2	6	5	5	5	8
Non-Hispanic Other	0	0	1	1	0	0	0	0	0	1	0	0	0	0	1	0	1	2
<b>New Castle</b>																		
All Races	46	57	39	54	52	43	48	42	36	57	47	34	37	49	43	36	27	28
Non-Hispanic White	22	22	16	17	15	14	16	9	8	16	12	6	7	17	7	11	6	7
Non-Hispanic Black	19	27	18	23	28	20	27	23	22	32	21	22	16	23	20	16	17	11
Non-Hispanic Other	2	1	0	2	2	0	0	5	3	6	6	1	5	3	6	3	0	2
<b>Wilmington</b>																		
All Races	9	11	9	15	12	10	10	14	10	14	18	11	12	10	15	9	9	6
Non-Hispanic White	1	0	1	1	0	1	0	0	0	1	4	0	3	2	0	1	1	2
Non-Hispanic Black	8	10	6	11	11	9	6	11	9	13	9	8	5	4	11	5	8	2
Non-Hispanic Other	0	0	0	0	0	0	0	2	0	0	1	0	1	1	2	2	0	0
<b>Balance of</b>																		
NC County																		
All Races	37	46	30	39	40	33	38	28	26	43	29	23	25	39	28	27	18	22
Non-Hispanic White	21	22	15	16	15	13	16	9	8	15	8	6	4	15	7	10	5	5
Non-Hispanic Black	11	17	12	12	17	11	21	12	13	19	12	14	11	19	9	11	9	9
Non-Hispanic Other	2	1	0	2	2	0	0	3	3	6	5	1	4	2	4	1	0	2
<b>Sussex</b>																		
All Races	10	11	13	11	13	16	8	10	11	3	7	10	8	13	5	7	7	3
Non-Hispanic White	4	4	7	5	9	8	3	2	8	2	1	3	4	8	2	3	3	1
Non-Hispanic Black	5	5	5	6	2	5	6	6	1	0	5	3	2	2	2	1	1	1
Non-Hispanic Other	0	0	1	0	1	0	0	2	1	0	0	0	0	0	0	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 2002-2019**

Area/ Race	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>U.S.</b>																		
All Races	9179	9060	9258	9602	9468	10059	9837	9147	8379	7936	7767	7553*	7474	7786	7854	7497	N/A	N/A
Non-Hispanic White	4474	4431	4502	4682	4474	4676	4573	4270	3941	3783	3689	3647*	3592	3720	3718	3329	N/A	N/A
Non-Hispanic Black	2632	2501	2586	2626	2716	2867	2735	2603	2363	2233	2174	2133*	2074	2276	2222	2240	N/A	N/A
Non-Hispanic Other	433	470	483	485	483	534	536	488	457	445	451	411*	404	464	455	478	N/A	N/A
<b>Delaware</b>																		
All Races	18	31	34	27	27	26	33	25	30	25	18	21	19	21	30	24	19	22
Non-Hispanic White	8	12	15	11	11	8	14	9	14	15	8	10	9	6	13	4	7	4
Non-Hispanic Black	7	13	16	14	11	10	14	13	10	3	9	8	9	7	12	15	10	15
Non-Hispanic Other	1	0	0	0	1	1	0	0	0	3	0	0	1	3	1	0	0	3
<b>Kent</b>																		
All Races	5	8	6	7	6	3	6	4	4	4	5	3	3	6	5	3	4	2
Non-Hispanic White	4	5	3	3	3	1	3	2	3	4	2	2	1	1	1	0	2	1
Non-Hispanic Black	1	3	3	4	2	1	2	2	1	0	2	1	2	3	3	2	2	1
Non-Hispanic Other	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0
<b>New Castle</b>																		
All Races	9	21	21	14	16	17	22	15	22	17	11	14	12	5	19	12	10	16
Non-Hispanic White	4	5	9	6	7	5	9	4	9	8	4	6	7	2	9	0	3	1
Non-Hispanic Black	3	10	9	7	7	7	9	10	7	2	7	5	4	0	7	10	6	12
Non-Hispanic Other	1	0	0	0	0	0	0	0	0	3	0	0	1	1	1	0	0	3
<b>Wilmington</b>																		
All Races	3	7	3	3	4	7	9	4	8	3	2	3	2	0	3	6	4	7
Non-Hispanic White	0	1	0	0	1	0	2	0	1	1	0	0	0	0	0	0	0	0
Non-Hispanic Black	2	3	2	3	3	5	4	4	4	2	2	3	2	0	3	5	4	5
Non-Hispanic Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Balance of</b>																		
NC County	6	14	18	11	12	10	13	11	14	14	9	11	10	5	16	6	6	9
All Races	4	4	9	6	6	5	7	4	8	7	4	6	7	2	9	0	3	1
Non-Hispanic White	1	7	7	4	4	2	5	6	3	0	5	2	2	0	4	5	2	7
Non-Hispanic Black	1	0	0	0	0	0	0	0	0	3	0	0	1	1	1	0	0	1
Non-Hispanic Other	4	2	7	6	5	6	5	6	4	4	2	4	4	10	6	9	5	4
<b>Sussex</b>																		
All Races	0	2	3	2	1	2	2	3	2	3	2	2	1	3	3	4	2	2
Non-Hispanic White	3	0	4	3	2	2	3	1	2	1	0	2	3	4	2	3	2	2
Non-Hispanic Black	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Non-Hispanic Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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 2002-2019**

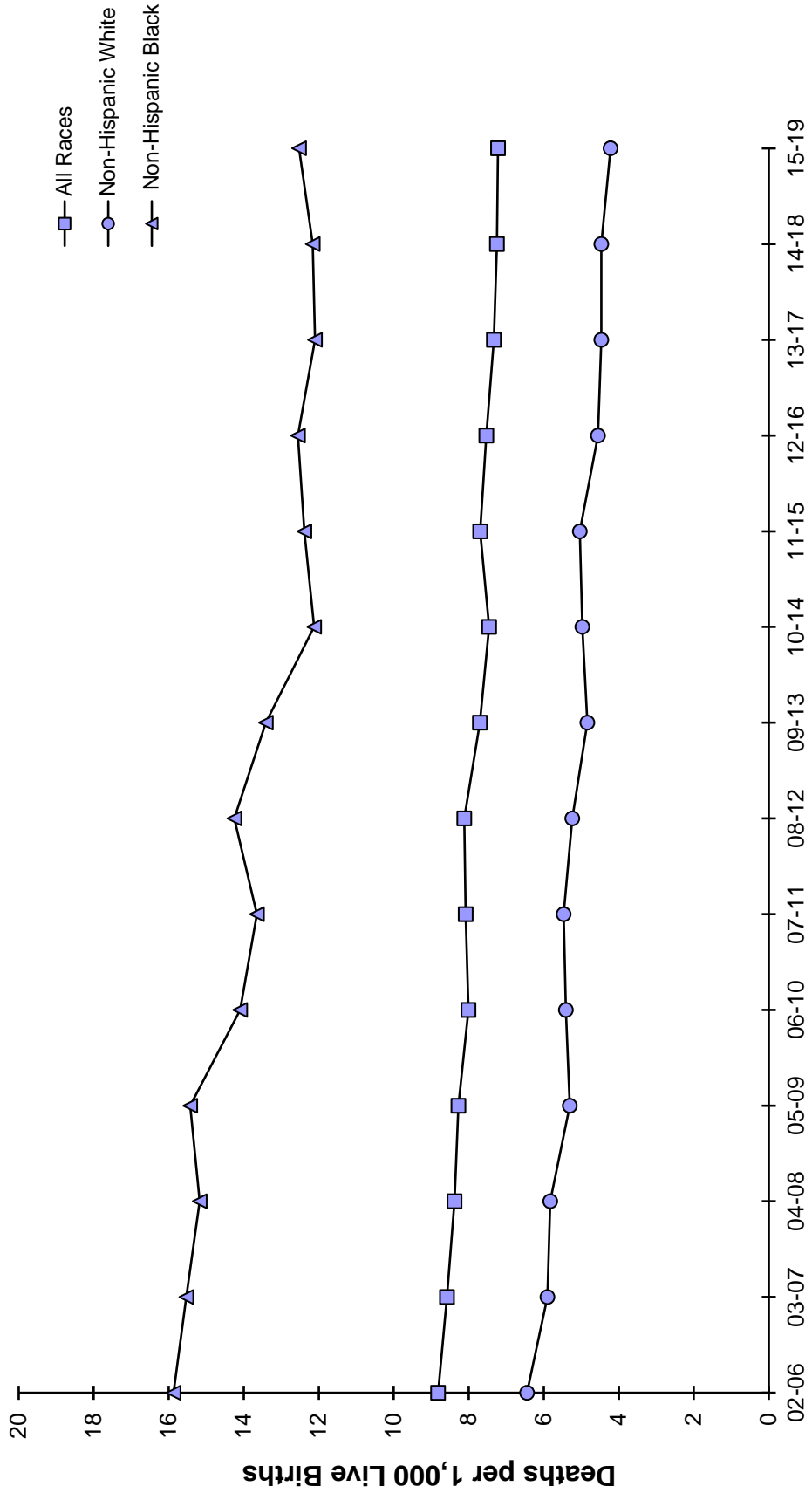
Area/ Race	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>														
All Races	6.8	6.8	6.7	6.7	6.5	6.4	6.2	6.1	6.0	5.9	5.9	5.9	N/A	N/A
Non-Hispanic White	5.7	5.7	5.6	5.6	5.4	5.3	5.2	5.1	5.0	5.0	5.0	4.9	N/A	N/A
Non-Hispanic Black	13.6	13.5	13.3	13.1	12.7	12.3	11.8	11.5	11.2	11.2	11.1	11.1	N/A	N/A
<b>Delaware</b>														
All Races	8.8+	8.6+	8.4+	8.3+	8.0+	8.1+	8.1+	7.7+	7.5+	7.7+	7.5+	7.3+	7.3	7.2
Non-Hispanic White	6.4	5.9	5.8	5.3	5.4	5.5	5.2	4.8	5.0	5.0	4.6	4.5	4.5	4.2
Non-Hispanic Black	15.9+	15.5	15.2	15.4+	14.1	13.6	14.3+	13.4	12.1	12.4	12.6	12.1	12.2	12.5
<b>Kent</b>														
All Races	9.1	7.1	7.1	7.1	6.5	6.9	7.6	6.6	6.2	6.9	6.5	5.8	6.4	6.9
Non-Hispanic White	7.6	4.8	4.6	4.3	5.0	5.5	5.6	5.5	5.8	5.4	4.2	3.6	3.6	3.3
Non-Hispanic Black	14.8	13.6	13.3	14.2	10.2	9.5	11.6	9.6	7.0	8.9	10.3	9.1	11.0	12.4
<b>New Castle</b>														
All Races	9.2	9.2	9.0	9.0	8.8	9.1	9.3	8.8	8.7	8.6	8.4	8.1	7.8	7.8
Non-Hispanic White	6.2	6.0	6.1	5.6	5.3	5.5	5.4	4.8	4.9	5.1	4.8	4.6	4.6	4.3
Non-Hispanic Black	16.0	16.1	15.6	15.9	15.6	15.5	15.9	15.3	14.3	13.8	13.3	13.2	12.8	13.1
<b>Wilmington</b>														
All Races	12.3	13.0	13.0	13.8	14.1	14.8	16.1	15.9	15.8	14.6	15.1	14.3	14.5	14.8
Non-Hispanic White	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Non-Hispanic Black	15.9	16.9	15.7	17.1	17.4	18.5	18.7	20.2	19.2	16.3	16.4	16.3	16.9	17.1
<b>Balance of NC County</b>														
All Races	8.5	8.5	8.2	8.0	7.7	7.9	7.9	7.5	7.3	7.5	7.1	7.0	6.6	6.5
Non-Hispanic White	6.4	6.2	6.1	5.7	5.5	5.6	5.4	4.8	4.7	4.9	4.6	4.6	4.4	4.2
Non-Hispanic Black	16.0	15.6	15.5	15.1	14.5	13.8	14.4	12.9	12.2	12.6	11.9	11.8	11.1	11.4
<b>Sussex</b>														
All Races	7.5	7.9	7.6	7.2	7.0	6.2	5.2	5.4	5.1	5.8	6.1	6.7	6.5	6.0
Non-Hispanic White	5.9	6.7	6.4	5.6	6.0	5.4	4.3	4.3	4.3	4.5	4.4	5.1	5.1	4.8
Non-Hispanic Black	16.7	15.4	15.8	15.0	12.4	11.0	10.4	10.0	---	11.0	12.5	11.9	11.0	10.1

**Notes:**

1. 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. 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

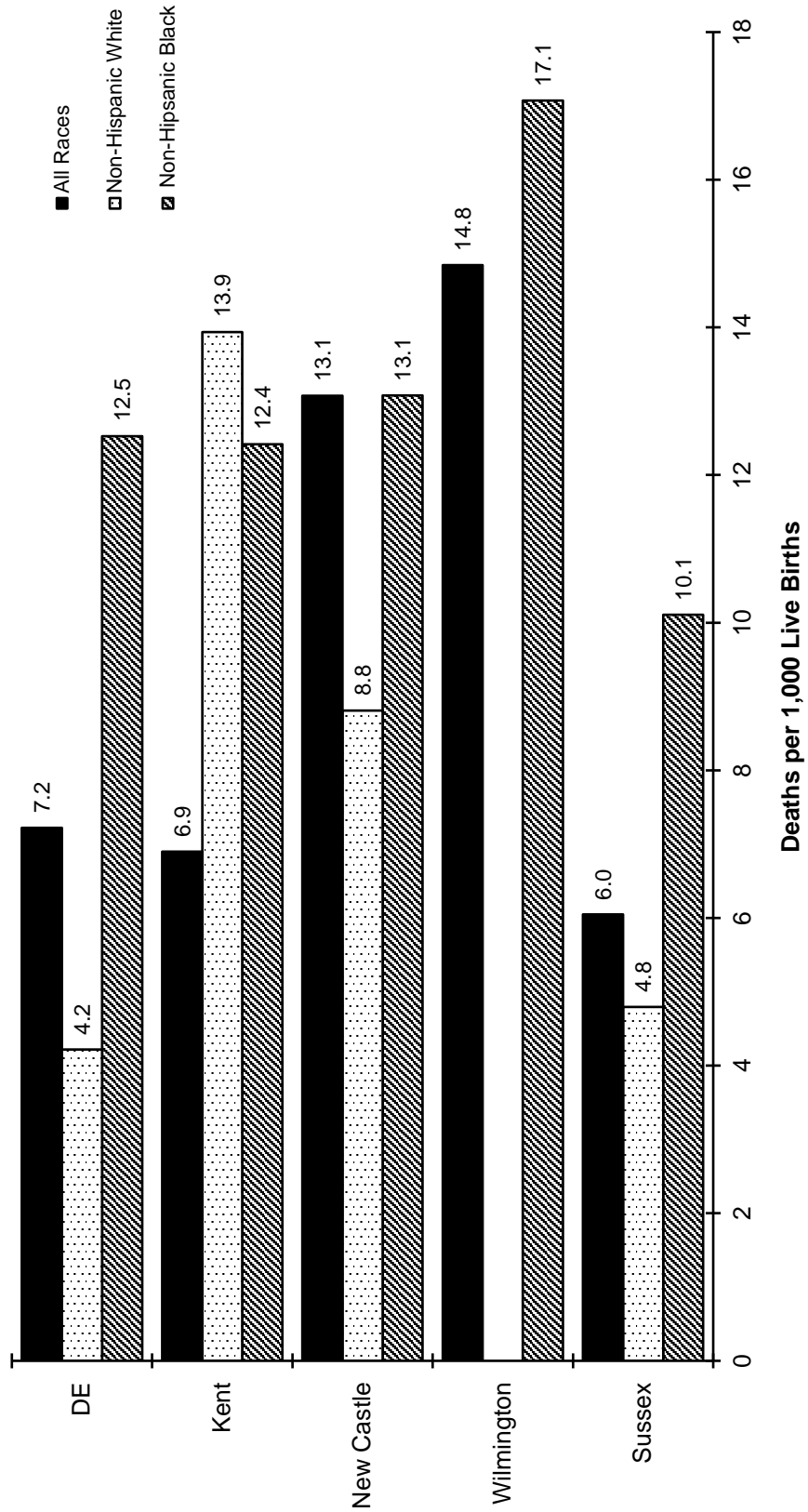
**Figure E-1. Five-Year Average Infant Mortality Rates by Race, Delaware, 2002-2019**



**Five-Year Intervals**

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, 2015-2019**



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 2002-2019**

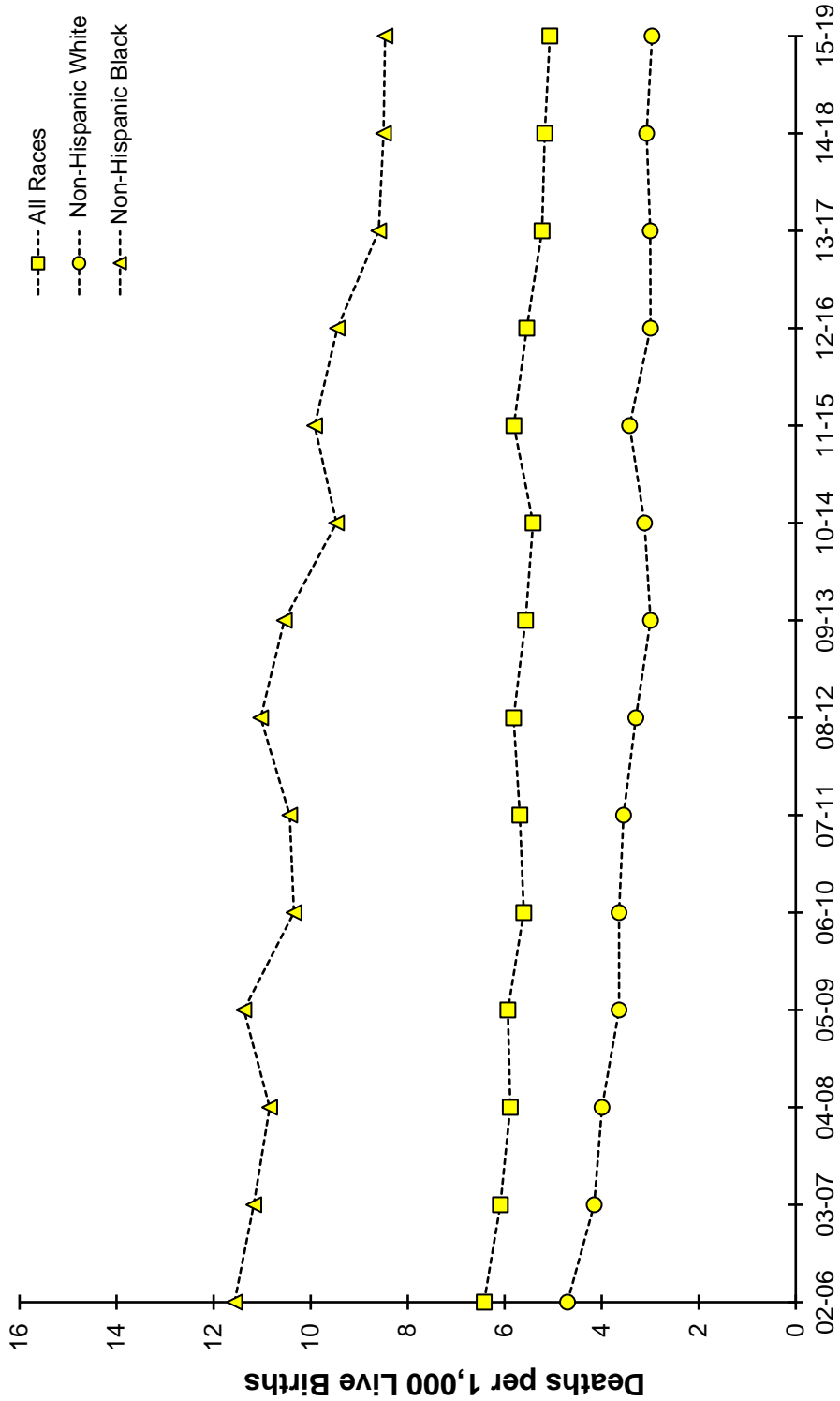
Area/ Race	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>														
All Races	4.6	4.5	4.4	4.4	4.3	4.2	4.1	4.1	4.0	4.0	4.0	3.9	N/A	N/A
Non-Hispanic White	3.7	3.7	3.6	3.6	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2	N/A	N/A
Non-Hispanic Black	9.2	9.0	8.8	8.6	8.3	8.1	7.8	7.6	7.5	7.5	7.4	7.3	N/A	N/A
<b>Delaware</b>														
All Races	6.4+	6.1+	5.9+	5.9+	5.6+	5.7+	5.8+	5.6+	5.4+	5.8+	5.5+	5.2+	5.2	5.1
Non-Hispanic White	4.7+	4.2	4.0	3.6	3.6	3.5	3.3	3.0	3.1	3.4	3.0	3.0	3.1	3
Non-Hispanic Black	11.6+	11.2+	10.8+	11.4+	10.3+	10.4+	11.0+	10.5+	9.5+	9.9+	9.5+	8.6	8.5	8.5
<b>Kent</b>														
All Races	6.0	4.3	4.6	4.7	4.4	5.0	5.6	4.8	4.4	5.0	4.6	4.0	4.5	5.1
Non-Hispanic White	4.9	---	---	---	3.3	3.6	3.6	3.5	4.0	3.9	3.2	---	---	---
Non-Hispanic Black	9.9	9.0	9.1	10.5	7.6	7.5	9.3	7.6	---	---	6.8	---	7.2	9.0
<b>New Castle</b>														
All Races	6.9	6.8	6.5	6.7	6.2	6.4	6.7	6.5	6.4	6.8	6.5	6.2	6.0	5.8
Non-Hispanic White	4.7	4.4	4.1	3.9	3.5	3.5	3.5	3.0	2.9	3.5	3.0	3.1	3.2	3.3
Non-Hispanic Black	12.2	12.0	11.7	11.9	11.7	12.1	12.4	12.1	11.7	11.9	10.9	10.4	9.9	9.3
Wilmington														
All Races	9.1	9.2	8.9	9.6	9.0	9.7	11.6	12.2	12.4	12.6	13.2	11.4	11.4	10.5
Non-Hispanic White	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Non-Hispanic Black	12.4	12.6	11.2	12.3	12.1	13.2	14.0	15.6	14.8	13.3	12.9	11.7	11.9	10.9
Balance of NC County														
All Races	6.5	6.3	6.0	6.0	5.6	5.8	5.8	5.3	5.3	5.7	5.3	5.2	5.0	5.0
Non-Hispanic White	4.8	4.5	4.3	4.1	3.7	3.7	3.5	2.9	2.6	3.2	2.7	2.9	2.9	3.1
Non-Hispanic Black	12.0	11.6	11.9	11.7	11.4	11.4	11.6	10.5	10.4	11.3	9.9	9.8	9.1	8.7
<b>Sussex</b>														
All Races	5.3	5.6	5.2	4.9	4.9	4.1	3.4	3.6	3.5	3.7	3.8	3.8	3.5	3.1
Non-Hispanic White	4.6	5.1	4.9	4.1	4.5	3.5	---	---	---	---	---	3.1	3.1	---
Non-Hispanic Black	10.9	10.4	9.5	10.0	---	---	---	---	---	---	---	---	---	---

**Notes:**

- 2006-2010 U.S. data are based on NCHS estimates.
- Neonatal mortality rates represent the number of deaths of children under 28 days of age per 1000 live births.
- "+" indicates that the Delaware rate is significantly higher than the U.S. rate.
- "----" indicates rate does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator.
- 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, 2002-2019**



**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, 2002-2019**

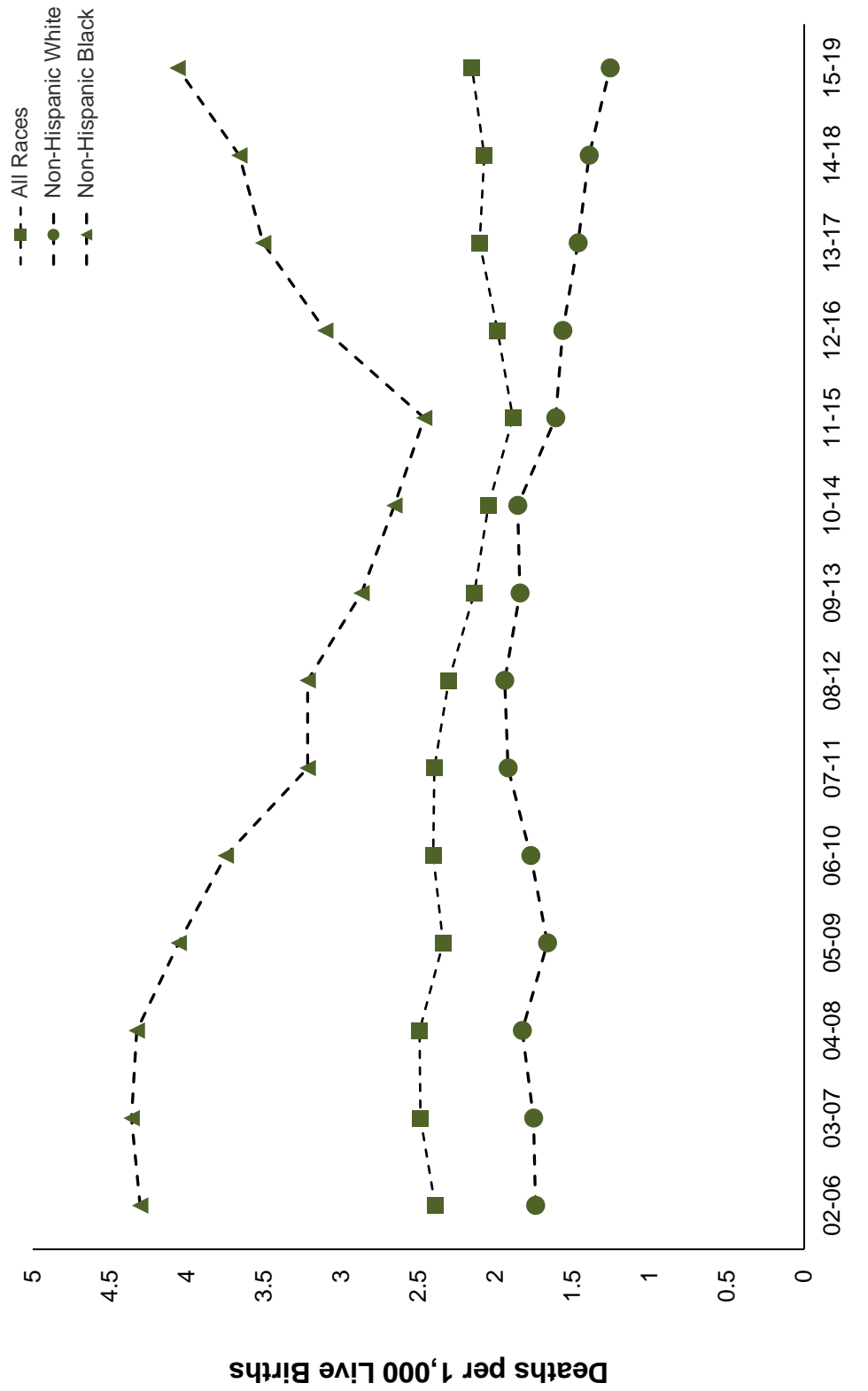
Area/ Race	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>U.S.</b>														
All Races	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.0	2.0	1.9	1.9	1.9	N/A	N/A
Non-Hispanic White	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.8	1.7	1.7	1.7	1.7	N/A	N/A
Non-Hispanic Black	4.5	4.5	4.5	4.4	4.3	4.2	4.1	3.9	3.7	3.7	3.7	3.7	N/A	N/A
<b>Delaware</b>														
All Races	2.4	2.5	2.5	2.3	2.4	2.4	2.3	2.1	2.0	1.9	2.0	2.1	2.1	2.2
White Non-Hispanic	1.7	1.8	1.8	1.7	1.8	1.9	1.9	1.8	1.9	1.6	1.6	1.5	1.4	1.3
Black Non-Hispanic	4.3	4.4	4.3	4.1	3.7	3.2-	3.2	2.9-	2.7-	2.5-	3.1	3.5	3.7	4.1
<b>Kent</b>														
All Races	3.1	2.8	2.6	2.3	2.0	1.9	2.1	1.8	---	1.9	2.0	1.8	1.9	1.8
Non-Hispanic White	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Non-Hispanic Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>New Castle</b>														
All Races	2.3	2.5	2.5	2.3	2.6	2.7	2.5	2.4	2.3	1.8	1.9	1.9	1.8	2.0
Non-Hispanic White	1.6	1.7	1.9	1.7	1.9	2.0	2.0	1.8	2.0	1.6	1.7	1.5	1.4	---
Non-Hispanic Black	3.8	4.1	3.9	3.9	3.9	3.4	3.5	3.1	2.6	---	2.4	2.8	2.9	3.8
<b>Wilmington</b>														
All Races	3.2	3.9	4.1	4.2	5.1	5.2	4.6	3.7	---	---	---	---	---	4.3
Non-Hispanic White	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Non-Hispanic Black	---	---	---	---	5.3	---	---	---	---	---	---	---	---	---
<b>Balance of NC County</b>														
All Races	2.1	2.2	2.1	1.9	2.1	2.1	2.1	2.1	2.1	1.8	1.9	1.8	1.6	1.6
Non-Hispanic White	1.6	1.7	1.9	1.6	1.8	1.9	1.9	1.8	2.1	1.7	1.9	1.7	1.5	---
Non-Hispanic Black	4.0	4.0	3.6	3.4	3.1	---	---	---	---	---	---	---	---	---
<b>Sussex</b>														
All Races	2.2	2.3	2.4	2.3	2.2	2.1	1.8	1.8	---	2.1	2.3	2.9	3.0	3.0
Non-Hispanic White	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Non-Hispanic Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**Notes:**

- 2006-2010 U.S. data are based on NCHS estimates.
- Postneonatal mortality rates represent the number of deaths of children 28 to 364 days of age per 1000 live births.
- '-' indicates that the Delaware rate is significantly lower than the U.S. rate.
- '---' indicates rate does not meet standard of reliability or precision; based on fewer than 20 deaths in the numerator.
- 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, 2002-2019**



**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, 2014-2018 LIVE BIRTH COHORT**

Risk Factor	Non-Hispanic		
	All	White	Black
<b>Birth Weight of Child</b>			
<2500	57.7	43.6	69.0
<1500	254.0	229.6	257.8
1500-2499	10.5	---	---
2500+	2.0	1.9	2.9
<b>Age of Mother</b>			
<20	7.8	---	---
20-24	8.5	5.7	13.7
25-29	7.1	4.6	11.7
30+	6.3	4.2	11.6
<b>Marital Status of Mother</b>			
Married	4.6	3.6	9.1
Single	9.7	7.3	13.0
<b>Education of Mother</b>			
<12 years	8.2	7.5	11.0
H.S. diploma	9.9	7.2	14.6
1+ years college	5.2	3.7	9.4
<b>Interval Since Last Live Birth</b>			
<18 months	11.3	---	---
18+ months	4.9	3.4	8.9

*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, 2014-2018 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	75	0	1	0	76	98.7	98.7
Newborn affected by maternal complications of pregnancy	42	2	1	0	45	93.3	97.8
Newborn affected by complications of placenta, cord, and membranes	15	0	0	0	15	100.0	100.0
Congenital malformations, deformations, and chromosomal abnormalities	15	14	29	0	58	25.9	50.0
Respiratory distress of newborn	14	0	0	0	14	100.0	100.0
Bacterial sepsis of newborn	8	1	2	0	11	72.7	81.8
Diarrhea and gastroenteritis of infectious origin	7	0	0	0	7	100.0	100.0
Necrotizing enterocolitis of newborn	5	1	1	0	7	71.4	85.7
Septicemia	3	0	1	0	4	75.0	75.0
Intrauterine hypoxia and birth asphyxia	3	1	2	0	6	50.0	66.7
Atelectasis	3	0	0	0	3	100.0	100.0
Diseases of the blood and blood-forming organs and certain disorders invo	2	0	1	0	3	66.7	66.7
Volume depletion, disorders of fluid, electrolyte and acid-base balance	2	0	1	0	3	66.7	66.7
Newborn affected by other complications of labor and delivery	2	0	0	0	2	100.0	100.0
Neonatal hemorrhage	2	2	0	0	4	50.0	100.0
Newborn affected by maternal hypertensive disorders	1	0	0	0	1	100.0	100.0
Newborn affected by noxious influences transmitted via placenta or breast	1	0	0	0	1	100.0	100.0
Slow fetal growth and fetal malnutrition	1	0	0	0	1	100.0	100.0
Interstitial emphysema and related conditions originating in the perinata	1	0	1	0	2	50.0	50.0
Pulmonary hemorrhage originating in the perinatal period	1	0	0	0	1	100.0	100.0
All other causes	5	9	33	0	47	10.6	29.8
<b>TOTAL</b>	<b>208</b>	<b>30</b>	<b>73</b>	<b>0</b>	<b>311</b>	<b>66.9</b>	<b>76.5</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 LIVE BIRTH COHORT, 2002-2018**

Parameter/ Race	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018
<b>BIRTHWEIGHT</b>													
<b>2500+</b>													
All Races	2.2	2.3	2.0	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.0	2.0
Non-Hispanic White	1.7	1.8	1.6	1.6	2.0	2.3	2.4	2.5	2.4	2.2	2.0	1.8	1.9
Non-Hispanic Black	3.6	3.4	2.9	2.7	2.6	2.2	2.5	2.5	2.5	2.6	2.6	2.9	2.9
<b>&lt;2500</b>													
All Races	69.9	68.8	69.2	70.6	65.5	67.1	68.2	64.6	61.7	64.6	62.2	58.2	57.7
Non-Hispanic White	62.9	58.4	59.8	55.5	54.5	52.3	51.1	46.9	47.1	49.4	48.1	44.2	43.6
Non-Hispanic Black	81.1	82.6	84.2	90.1	82.1	86.5	88.9	83.3	76.3	79.6	74.7	71.0	69.0
<b>&lt;1500</b>													
All Races	289.4	285.8	286.8	279.3	260.8	264.7	267.6	258.6	253.1	267.7	263.8	247.2	246.5
Non-Hispanic White	283.9	270.5	268.1	240.6	228.6	222.5	215.2	203.9	209.0	228.3	221.4	218.0	229.6
Non-Hispanic Black	289.1	285.7	290.9	298.0	283.3	295.2	308.6	296.5	277.2	289.4	290.9	268.1	257.8
<b>GESTATION</b>													
<b>37+ weeks</b>													
All Races	2.2	2.3	2.0	2.0	2.4	2.6	2.6	2.5	2.6	2.5	2.2	2.2	2.3
Non-Hispanic White	1.7	1.9	1.8	1.7	2.3	2.7	2.7	2.7	2.8	2.3	2.0	1.7	1.8
Non-Hispanic Black	3.4	3.4	2.8	2.6	2.7	2.6	2.7	2.7	2.9	3.1	3.0	3.4	3.6
<b>&lt;37 weeks</b>													
All Races	49.1	47.1	47.0	47.3	43.6	44.3	45.5	44.0	41.5	44.8	43.3	40.4	39.9
Non-Hispanic White	40.5	36.8	36.8	35.0	34.2	33.0	32.3	31.2	28.9	32.8	33.0	30.4	30.1
Non-Hispanic Black	68.4	67.3	68.5	71.5	64.4	66.8	69.6	65.6	60.1	63.0	58.5	55.6	54.2
<b>&lt;32 weeks</b>													
All Races	232.4	220.4	220.4	216.9	195.0	195.7	198.7	190.8	178.9	189.6	186.9	177.0	174.0
Non-Hispanic White	215.6	192.6	191.1	178.3	160.1	154.9	146.2	137.7	130.1	144.2	144.6	141.8	144.0
Non-Hispanic Black	249.2	245.6	254.0	258.1	236.5	241.2	249.6	235.5	216.0	226.1	225.0	212.5	205.3
<b>PLURALITY</b>													
<b>Single</b>													
All Races	7.1	7.2	7.0	7.0	7.0	7.0	6.9	6.7	6.3	6.4	6.1	5.9	6.0
Non-Hispanic White	5.2	5.2	5.1	4.7	5.3	5.4	5.2	5.1	4.8	4.6	4.4	4.0	4.1
Non-Hispanic Black	13.0	12.8	12.2	12.6	11.8	11.7	11.8	11.5	10.6	10.9	10.4	10.6	10.4
<b>Plural</b>													
All Races	47.0	44.0	40.3	41.0	32.6	34.2	35.0	34.5	36.1	42.6	43.4	37.7	38.0
Non-Hispanic White	37.3	30.2	26.5	26.2	21.0	20.8	22.0	22.2	27.0	33.3	35.2	31.0	29.1
Non-Hispanic Black	59.7	64.4	68.6	70.4	54.9	54.9	56.6	46.6	40.5	47.5	50.4	43.0	50.5
<b>SMOKING DURING PREGNANCY</b>													
<b>No</b>													
All Races	7.9	7.7	7.4	7.6	7.4	7.4	7.4	7.2	6.7	6.9	6.6	6.4	6.4
Non-Hispanic White	5.8	5.3	5.1	4.9	5.5	5.4	5.5	5.3	4.9	4.7	4.5	4.0	4.0
Non-Hispanic Black	13.7	13.5	13.2	13.8	12.8	13.0	13.3	12.5	11.6	12.0	11.2	11.1	11.0
<b>Yes</b>													
All Races	13.4	13.9	13.3	12.1	10.7	10.8	10.0	9.7	10.7	11.5	12.1	11.9	13.4
Non-Hispanic White	10.4	10.8	10.8	8.7	8.2	8.5	7.3	6.9	8.8	10.0	10.4	10.0	10.7
Non-Hispanic Black	24.2	24.2	21.6	21.9	17.8	16.1	16.2	16.0	14.4	15.0	17.6	18.3	20.0

**TABLE E-9. FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE AND SELECTED RISK MARKERS, DELAWARE LIVE BIRTH COHORT, 2002-2018 (continued)**

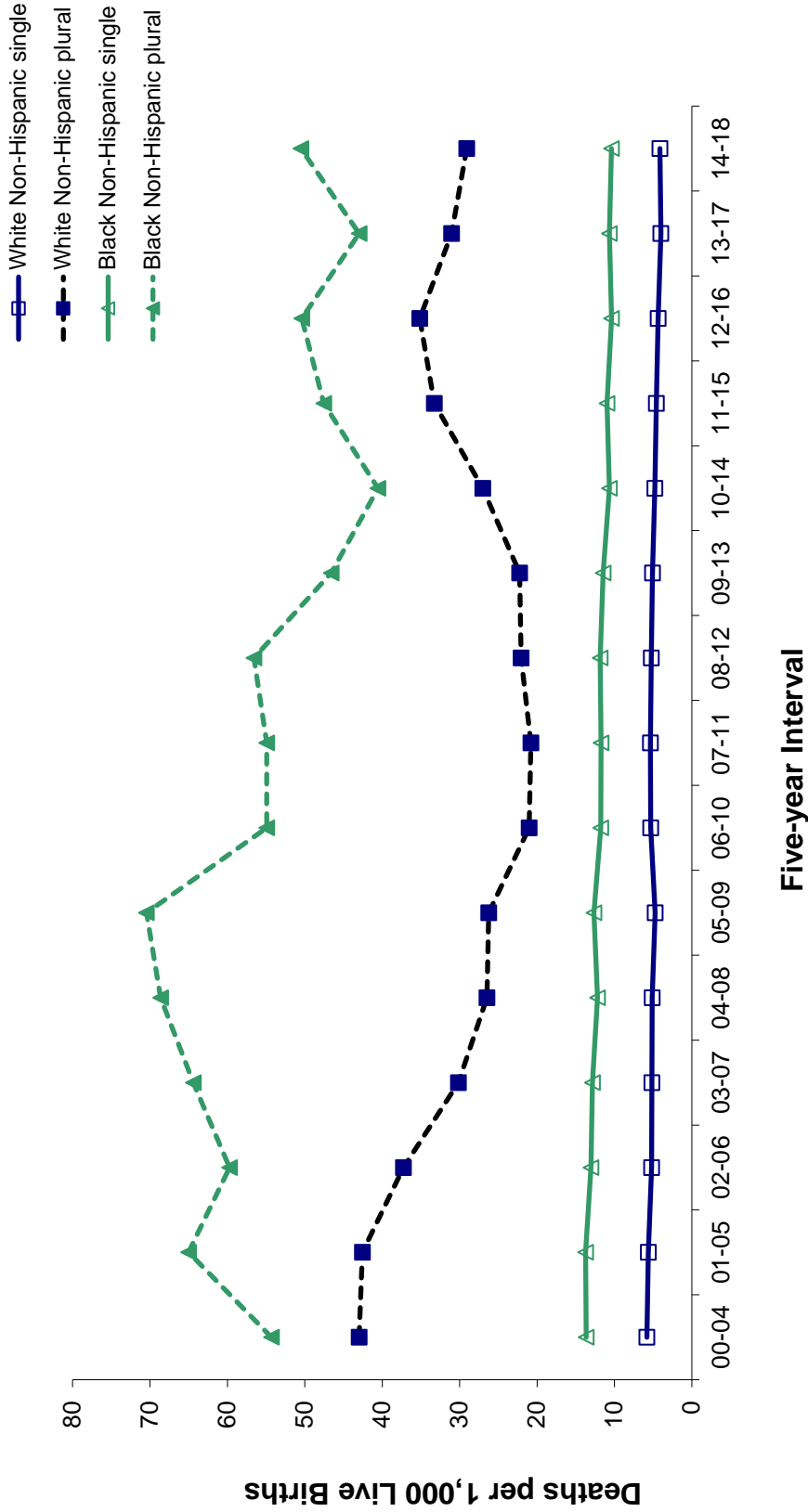
Parameter/ Race	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018
<b>EDUCATION</b>													
<b>HS Grad or less</b>													
All Races	10.7	10.8	10.1	10.0	10.0	10.0	9.5	9.5	8.8	9.3	8.9	9.2	9.3
Non-Hispanic White	8.9	8.8	8.5	8.1	8.6	8.3	7.8	7.7	7.2	7.8	7.5	7.3	7.3
Non-Hispanic Black	16.6	16.4	15.3	15.4	14.8	15.0	15.3	15.1	13.7	14.2	13.3	13.9	13.6
<b>1+ yrs college</b>													
All Races	5.8	5.4	5.6	5.9	5.6	5.8	6.2	5.7	5.7	5.9	5.7	5.1	5.2
Non-Hispanic White	4.3	4.0	4.0	3.8	4.1	4.5	4.7	4.4	4.5	4.3	4.1	3.6	3.7
Non-Hispanic Black	11.2	11.1	11.5	13.1	11.2	10.8	11.0	9.7	9.2	9.6	9.5	9.1	9.4
<b>PAYMENT FOR DELIVERY</b>													
<b>Medicaid</b>													
All Races	9.6	10.4	10.2	9.9	9.5	9.3	8.8	8.5	8.2	8.7	8.7	8.2	8.5
Non-Hispanic White	8.5	8.9	9.2	8.2	8.4	7.3	7.1	6.7	6.8	7.1	7.6	6.8	7.1
Non-Hispanic Black	13.9	14.5	14.1	14.0	12.9	13.5	13.5	13.0	12.2	12.6	11.8	11.2	11.3
<b>Private Insurance</b>													
All Races	7.4	6.7	6.4	6.6	6.4	6.4	6.6	6.4	6.2	6.2	5.9	5.8	5.6
Non-Hispanic White	5.3	4.7	4.5	4.3	4.6	5.1	4.9	4.9	4.6	4.5	4.0	3.8	3.7
Non-Hispanic Black	16.7	15.5	14.9	16.3	14.8	13.4	13.9	12.6	11.3	12.2	12.0	13.0	12.6

*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.

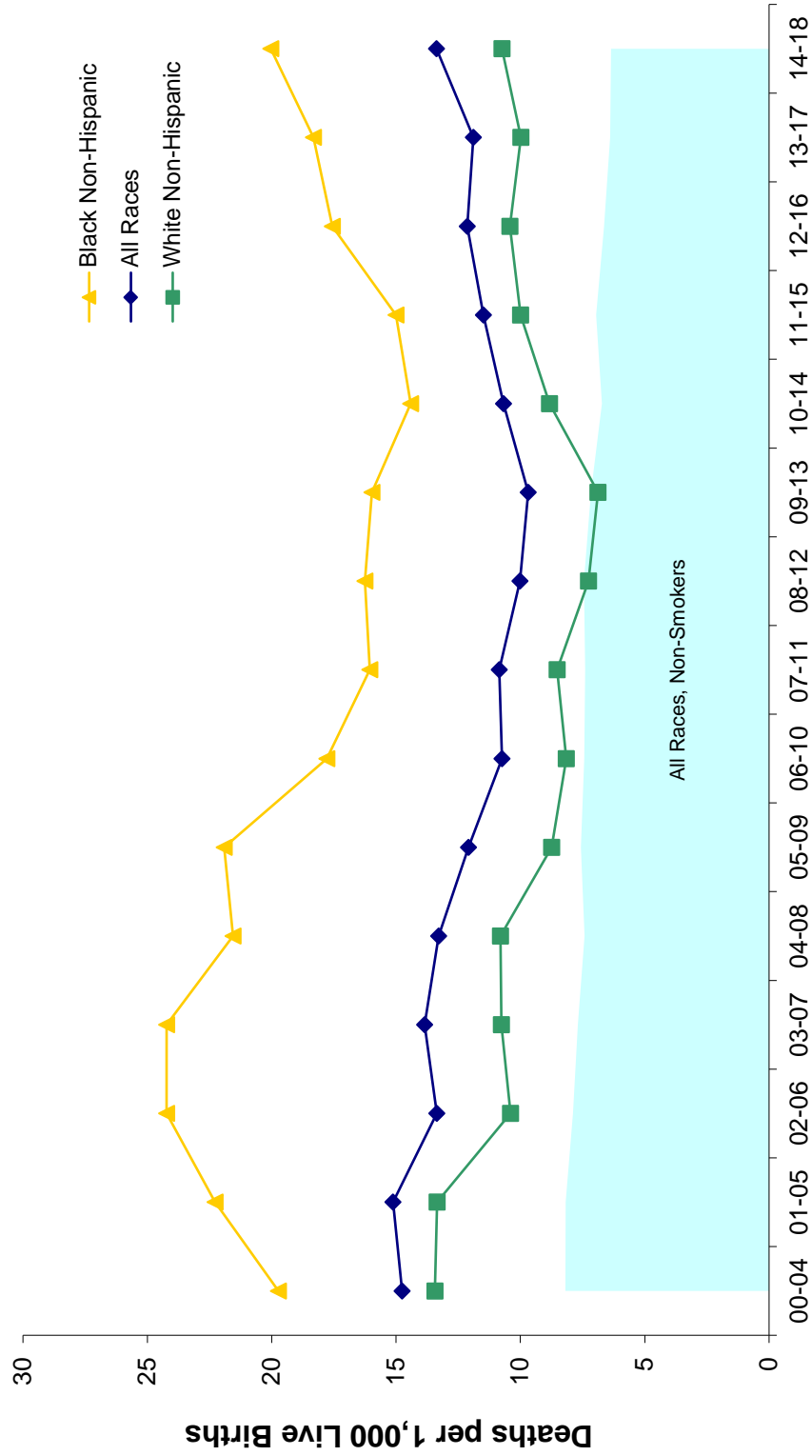
*Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center*

**Figure E-5. Five-year Average Infant Mortality Rates by Race and Plurality, Delaware, 2000-2018 Live Birth Cohort**



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

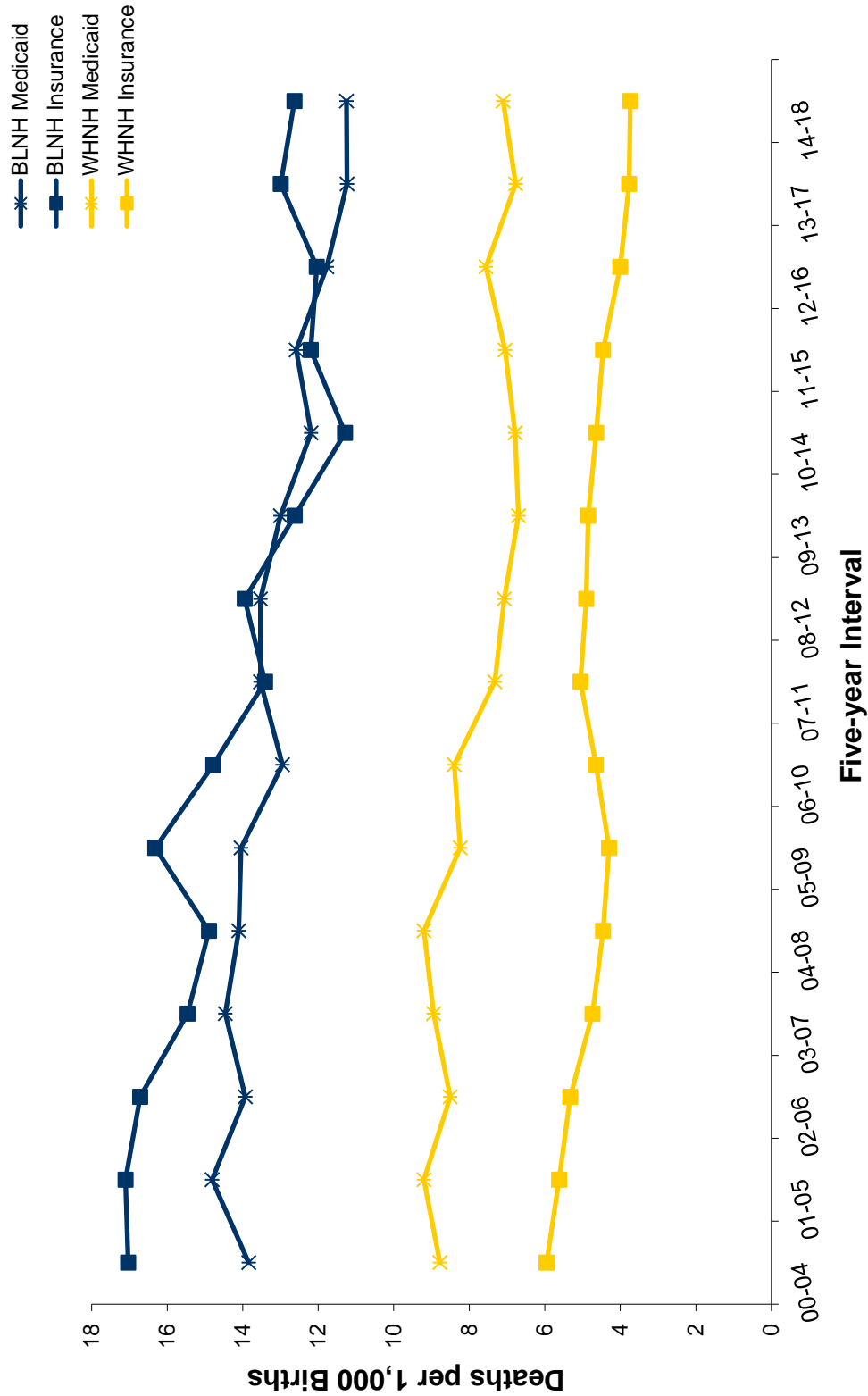
**Figure E-6. Five-year Average Infant Mortality Rates by Race of Mothers who Smoked during Pregnancy versus all Non-smoking Mothers, Delaware, 2000-2018 Live Birth Cohort**



**Five-year Interval**

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, 2000-2018 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, 2014-2018, LIVE BIRTH COHORT**

Plurality/ Birth Weight	Race and Sex											
	All Races			Non-Hispanic White			Non-Hispanic Black			Non-Hispanic Other/Unknown		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
<b>All Births</b>	382	196	186	136	66	70	171	91	80	16	7	9
<2500	280	140	140	87	42	45	133	68	65	12	4	8
<1500	232	120	112	73	35	38	116	61	55	10	4	6
<500	121	57	64	35	15	20	69	33	36	6	2	4
500-999	92	58	34	30	18	12	39	26	13	3	1	2
1000-1499	19	5	14	8	2	6	8	2	6	1	1	0
1500-1999	19	6	13	3	1	2	6	2	4	2	0	2
2000-2499	29	14	15	11	6	5	11	5	6	0	0	0
2500+	100	55	45	49	24	25	36	22	14	4	3	1
2500-2999	37	21	16	17	7	10	12	8	4	2	2	0
3000-3499	34	16	18	14	6	8	15	9	6	2	1	1
3500-3999	17	10	7	10	6	4	5	2	3	0	0	0
4000-4499	10	7	3	7	4	3	3	3	0	0	0	0
4500+	2	1	1	1	1	0	1	0	1	0	0	0
Unknown	2	1	1	0	0	0	2	1	1	0	0	0
<b>Single Births</b>	318	167	151	112	54	58	145	80	65	15	6	9
<2500	223	114	109	66	31	35	110	58	52	11	3	8
<1500	180	96	84	53	25	28	94	52	42	9	3	6
<500	94	45	49	24	10	14	55	27	28	6	2	4
500-999	71	48	23	23	14	9	32	23	9	3	1	2
1000-1499	15	3	12	6	1	5	7	2	5	0	0	0
1500-1999	15	5	10	3	1	2	5	1	4	2	0	2
2000-2499	28	13	15	10	5	5	11	5	6	0	0	0
2500+	94	53	41	46	23	23	34	22	12	4	3	1
2500-2999	34	20	14	17	7	10	10	8	2	2	2	0
3000-3499	32	16	16	12	6	6	15	9	6	2	1	1
3500-3999	16	9	7	9	5	4	5	2	3	0	0	0
4000-4499	10	7	3	7	4	3	3	3	0	0	0	0
4500+	2	1	1	1	1	0	1	0	1	0	0	0
Unknown	1	0	1	0	0	0	1	0	1	0	0	0
<b>Plural Births</b>	64	29	35	24	12	12	26	11	15	1	1	0
<2500	57	26	31	21	11	10	23	10	13	1	1	0
<1500	52	24	28	20	10	10	22	9	13	1	1	0
<500	27	12	15	11	5	6	14	6	8	0	0	0
500-999	21	10	11	7	4	3	7	3	4	0	0	0
1000-1499	4	2	2	2	1	1	1	0	1	1	1	0
1500-1999	4	1	3	0	0	0	1	1	0	0	0	0
2000-2499	1	1	0	1	1	0	0	0	0	0	0	0
2500+	6	2	4	3	1	2	2	0	2	0	0	0
2500-2999	3	1	2	0	0	0	2	0	2	0	0	0
3000-3499	2	0	2	2	0	2	0	0	0	0	0	0
3500-3999	1	1	0	1	1	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	1	1	0	0	0	0	1	1	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, 2014-2018 LIVE BIRTH COHORT**

Plurality/ Birth Weight	Race and Sex											
	All Races			Non-Hispanic White			Non-Hispanic Black			Non-Hispanic Other		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
<b>All Births</b>	382	196	186	93	47	46	120	62	58	12	5	7
<2500	280	140	140	77	37	40	108	55	53	9	3	6
<1500	232	120	112	68	32	36	102	53	49	9	3	6
<500	121	57	64	35	15	20	69	33	36	6	2	4
500-999	92	58	34	26	16	10	28	20	8	2	0	2
1000-1499	19	5	14	7	1	6	5	0	5	1	1	0
1500-1999	19	6	13	0	0	0	3	1	2	0	0	0
2000-2499	29	14	15	9	5	4	3	1	2	0	0	0
2500+	29	18	11	16	10	6	10	6	4	3	2	1
2500-2999	37	21	16	9	5	4	1	1	0	2	2	0
3000-3499	34	16	18	3	2	1	7	4	3	1	0	1
3500-3999	17	10	7	2	2	0	1	0	1	0	0	0
4000-4499	10	7	3	1	0	1	1	1	0	0	0	0
4500+	2	1	1	1	1	0	0	0	0	0	0	0
Unknown	2	1	1	0	0	0	2	1	1	0	0	0
<b>Single Births</b>	318	167	151	74	37	37	100	53	47	11	4	7
<2500	223	114	109	58	27	31	89	47	42	8	2	6
<1500	180	96	84	50	23	27	83	45	38	8	2	6
<500	94	45	49	24	10	14	55	27	28	6	2	4
500-999	71	48	23	20	12	8	24	18	6	2	0	2
1000-1499	15	3	12	6	1	5	4	0	4	0	0	0
1500-1999	15	5	10	0	0	0	3	1	2	0	0	0
2000-2499	28	13	15	8	4	4	3	1	2	0	0	0
2500+	94	53	41	16	10	6	10	6	4	3	2	1
2500-2999	34	20	14	9	5	4	1	1	0	2	2	0
3000-3499	32	16	16	3	2	1	7	4	3	1	0	1
3500-3999	16	9	7	2	2	0	1	0	1	0	0	0
4000-4499	10	7	3	1	0	1	1	1	0	0	0	0
4500+	2	1	1	1	1	0	0	0	0	0	0	0
Unknown	1	0	1	0	0	0	1	0	1	0	0	0
<b>Plural Births</b>	64	29	35	19	10	9	20	9	11	1	1	0
<2500	57	26	31	19	10	9	19	8	11	1	1	0
<1500	52	24	28	18	9	9	19	8	11	1	1	0
<500	27	12	15	11	5	6	14	6	8	0	0	0
500-999	21	10	11	6	4	2	4	2	2	0	0	0
1000-1499	4	2	2	1	0	1	1	0	1	1	1	0
1500-1999	4	1	3	0	0	0	0	0	0	0	0	0
2000-2499	1	1	0	1	1	0	0	0	0	0	0	0
2500+	6	2	4	0	0	0	0	0	0	0	0	0
2500-2999	3	1	2	0	0	0	0	0	0	0	0	0
3000-3499	2	0	2	0	0	0	0	0	0	0	0	0
3500-3999	1	1	0	0	0	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0	0
Unknown	1	1	0	0	0	0	1	1	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 consists of a series of parallel, diagonal gray lines that run from the top-left towards the bottom-right. These lines are evenly spaced and cover the entire area of the slide.

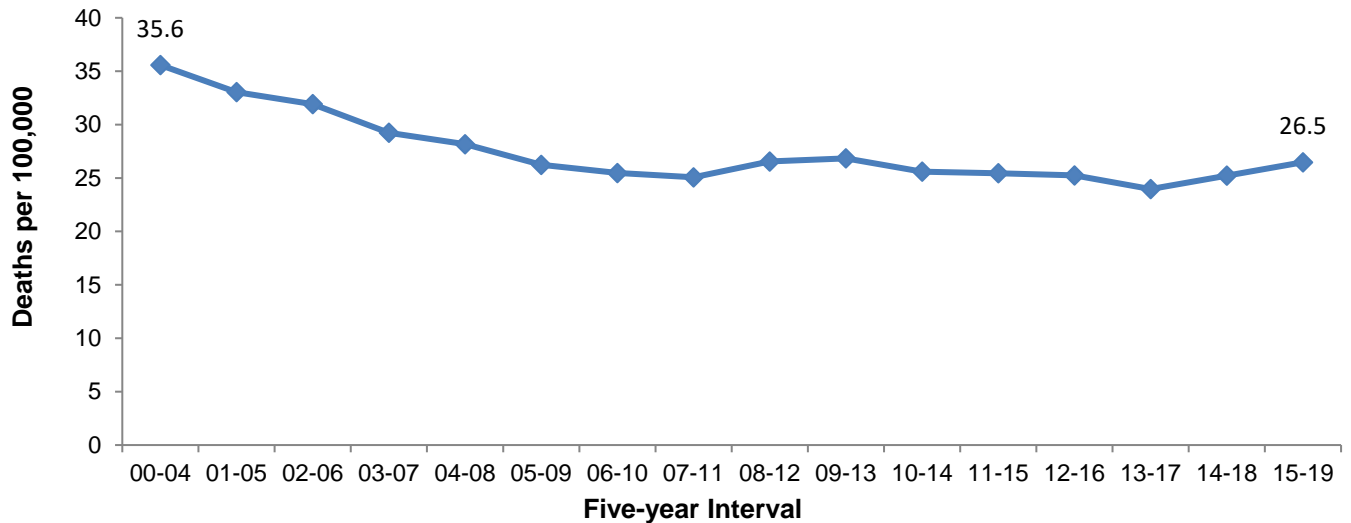
# Mortality

## CHILD MORTALITY

For 2015-2019, 289 children and adolescents between the ages of 1 and 19 died in Delaware, representing 0.6 percent of the total deaths that occurred during that time. Males accounted for 70 percent of all child deaths in 2015-2019.

Mortality rates for children ages 1 to 19 have been on a downward trend since 2000-2004, which had the highest rate of 35.6. By 2015-2019, the rate decreased 26 percent to 26.5 child deaths (ages 1-19) per 100,000 population.

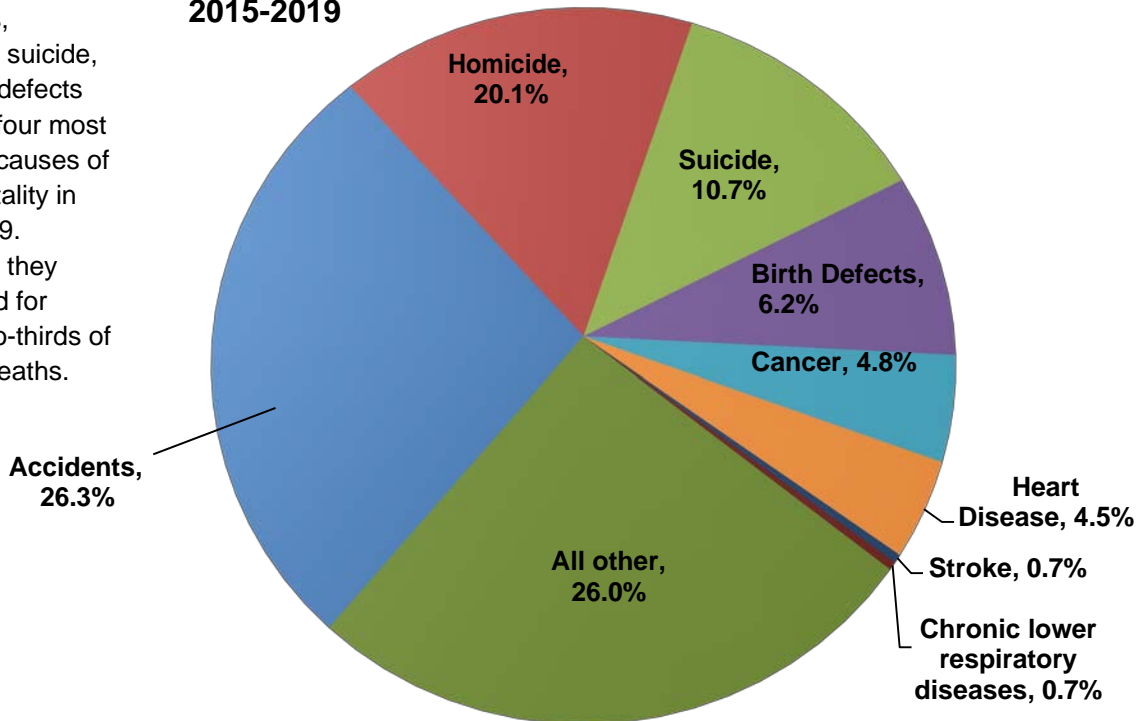
**Figure 43. Five-year Average Child (1-19) Mortality Rates, Delaware, 2000-2019**



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

**Figure 44. Leading Causes of Child Mortality, Delaware, 2015-2019**

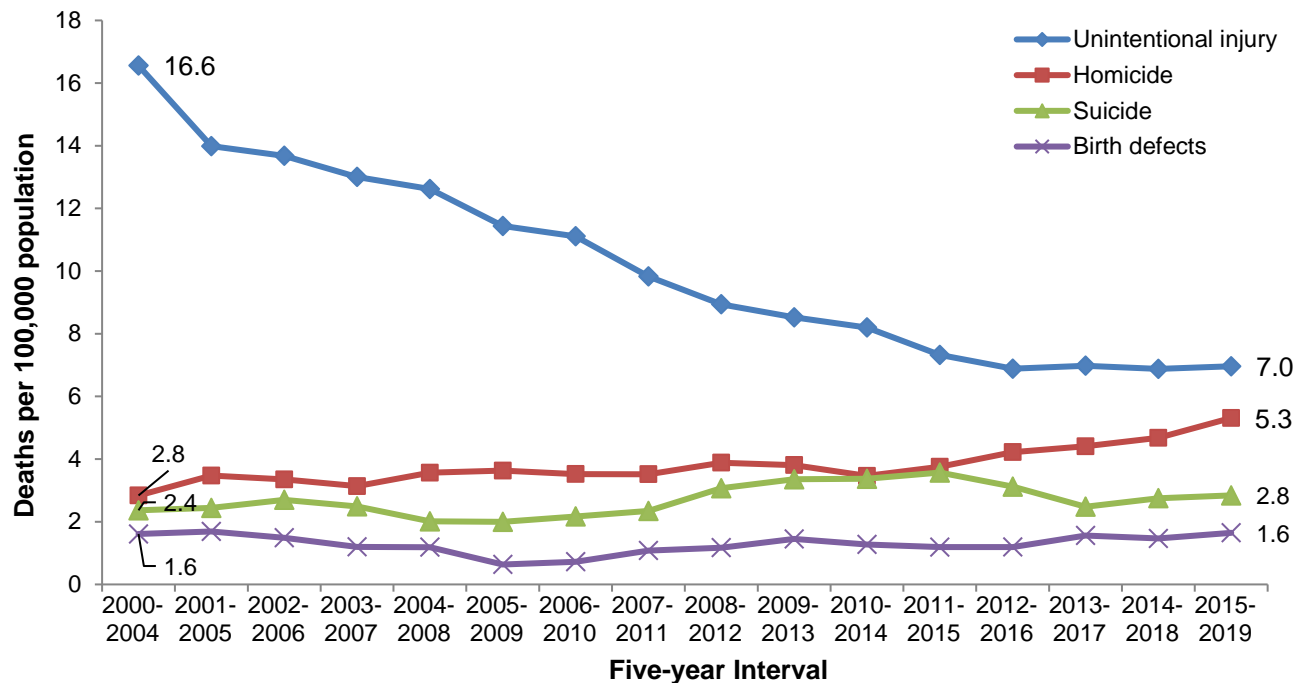
Accidents, homicide, suicide, and birth defects were the four most common causes of child mortality in 2015-2019. Together, they accounted for nearly two-thirds of all child deaths.



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

From 2000-2004 to 2015-2019, rates for one of the four leading causes of mortality in children ages 1-19 declined. Unintentional injury mortality rates declined 58 percent (16.6 to 7.0 deaths per 100,000 children). Homicide mortality rates increased by 89 percent from 2000-2004 to 2015-2019 (2.8 to 5.3 deaths per 100,000 children), suicide mortality rates increased 17 percent to 2.8 deaths per 100,000 children, and birth defects remained constant at 1.6 deaths per 100,000 children. Cancer deaths were the fifth leading cause of deaths for children although the rate decreased 57 percent from 2000-2004 to 2015-2019 (3.0 to 1.3 deaths per 100,000 children).

**Figure 45. Five-year Average Child (1-19) Mortality Rates, Delaware, 2000-2019**



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

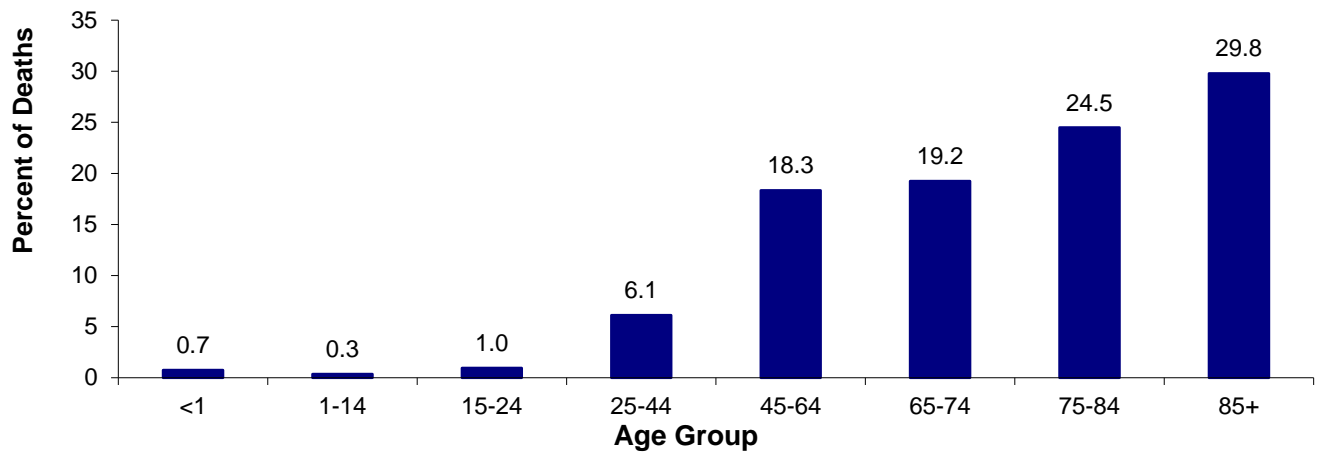
The most common causes of child deaths in 2015-2019 are:

- Motor vehicle crashes accounted for 57 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 21 and 11 percent of unintentional deaths, respectively.
- Most child homicides were due to firearms (78 percent) and suffocation (3.4 percent).
- The majority of child cancer deaths were due to brain cancer (36 percent) and leukemia (7 percent).
- Suffocation (45%), followed by firearms (32%), were the most common methods of suicide, which accounted for 77 percent of the total suicide deaths.

Less Delaware residents died in 2019 than in 2018. A total of 9147 residents died, 68 of whom were infants under the age of 1. Deaths were split almost equally between males (53%) and females(47%). Cancer and heart disease were the most common causes of death, accounting for 44 percent of all deaths in 2019.

- Nearly thirty percent of the Delawareans who died in 2019 were 85 or older. Deaths of those 75 and older accounted for more than half of all deaths.

**Figure 44. Percentage of Deaths by Age, Delaware, 2019**



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

- A Delaware resident born in 2019 could expect to live an average of 79 years.
- In 2019, life expectancy at birth varied by race and sex; non-Hispanic white females had the highest life expectancy (82.2) while non-Hispanic black males had the lowest (73.1).
- In 1989, 80 percent of Delaware decedents were buried and 15 percent were cremated. By 2019, the distribution had shifted: 39.4 percent of decedents were buried and 55.1 percent were cremated.
- In 2019, cancer was the leading cause of death in Delaware. Heart disease, accidents, strokes, and chronic lower respiratory disease made up the remaining top five, while chronic liver disease and cirrhosis became the tenth leading cause of death.

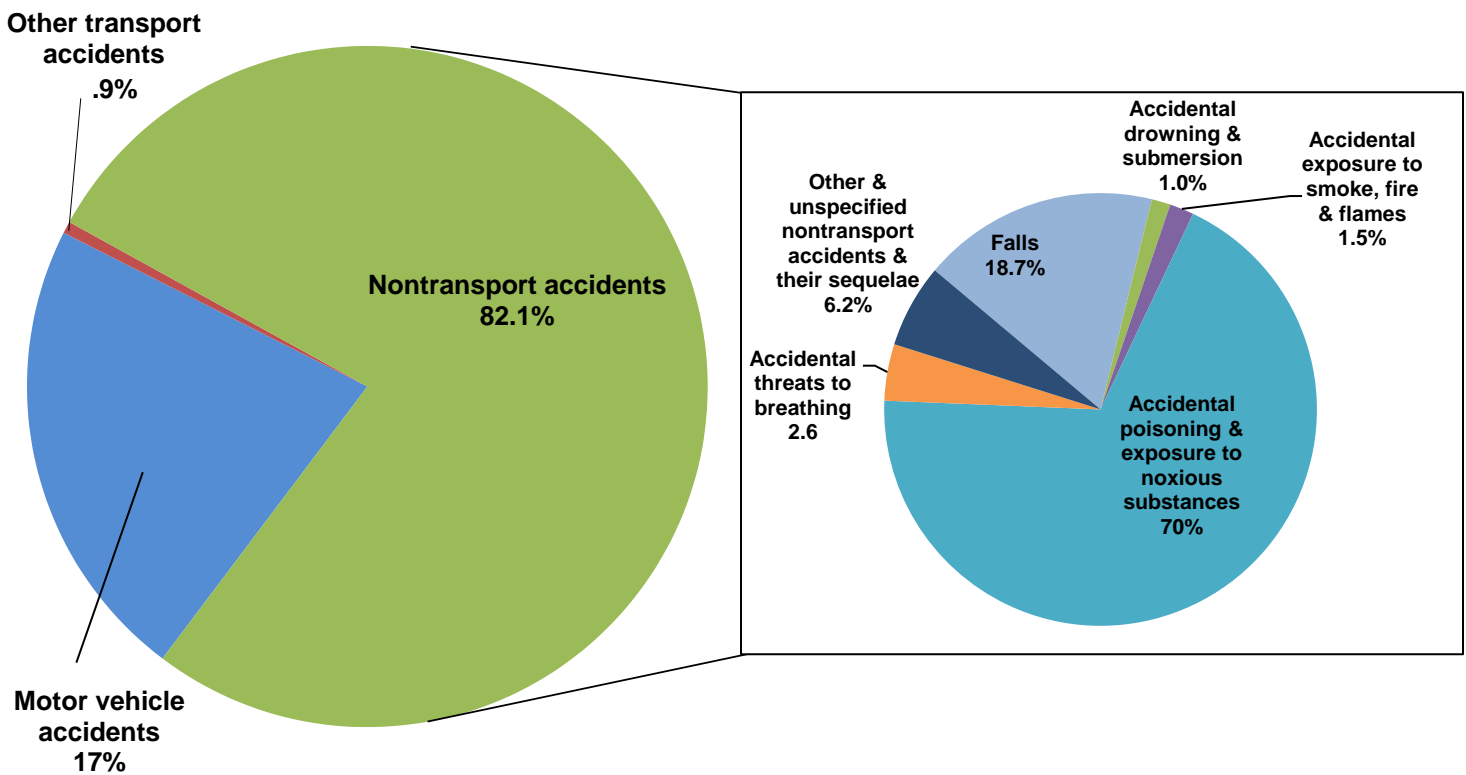
**Figure 47. Number of Deaths by Leading Cause Delaware, 2019**

Rank	Leading Cause of Death	Number
1	Malignant neoplasms	2,044
2	Diseases of heart	1,982
3	Accidents (unintentional injuries)	750
4	Cerebrovascular diseases	588
5	Chronic lower respiratory diseases	471
6	Alzheimer's disease	340
7	Diabetes mellitus	267
8	Nephritis, nephrotic syndrome & nephrosis	206
9	Influenza & pneumonia	121
10	Chronic liver disease & cirrhosis	111

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

- Of the 750 deaths due to unintentional injury in 2019 (8.2 percent of all deaths), 17 percent were due to motor vehicle accidents and 82.1 percent were due to non-transport accidents. More than two thirds (70 percent) of the 616 non-transport accidents were caused by unintentional poisonings; the majority (97 percent) of unintentional poisonings were drug-induced poisonings.
- For the eleventh year, unintentional poisonings surpassed motor vehicle injuries as the leading cause of unintentional injury death in 2019.
  - Poisonings caused the most unintentional injuries for non-Hispanic white and non-Hispanic black decedents. Motor vehicle traffic accidents were the second highest unintentional injuries for males both non-Hispanic black and non-Hispanic white and non-Hispanic black females whereas falls were the second highest unintentional injuries for non-Hispanic white females.
- In 2015-2019, accidents were the number one cause of deaths for people 1-44 years of age, and they were responsible for 44 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 82% of total deaths for that age group. See table F-11 in the annual report.

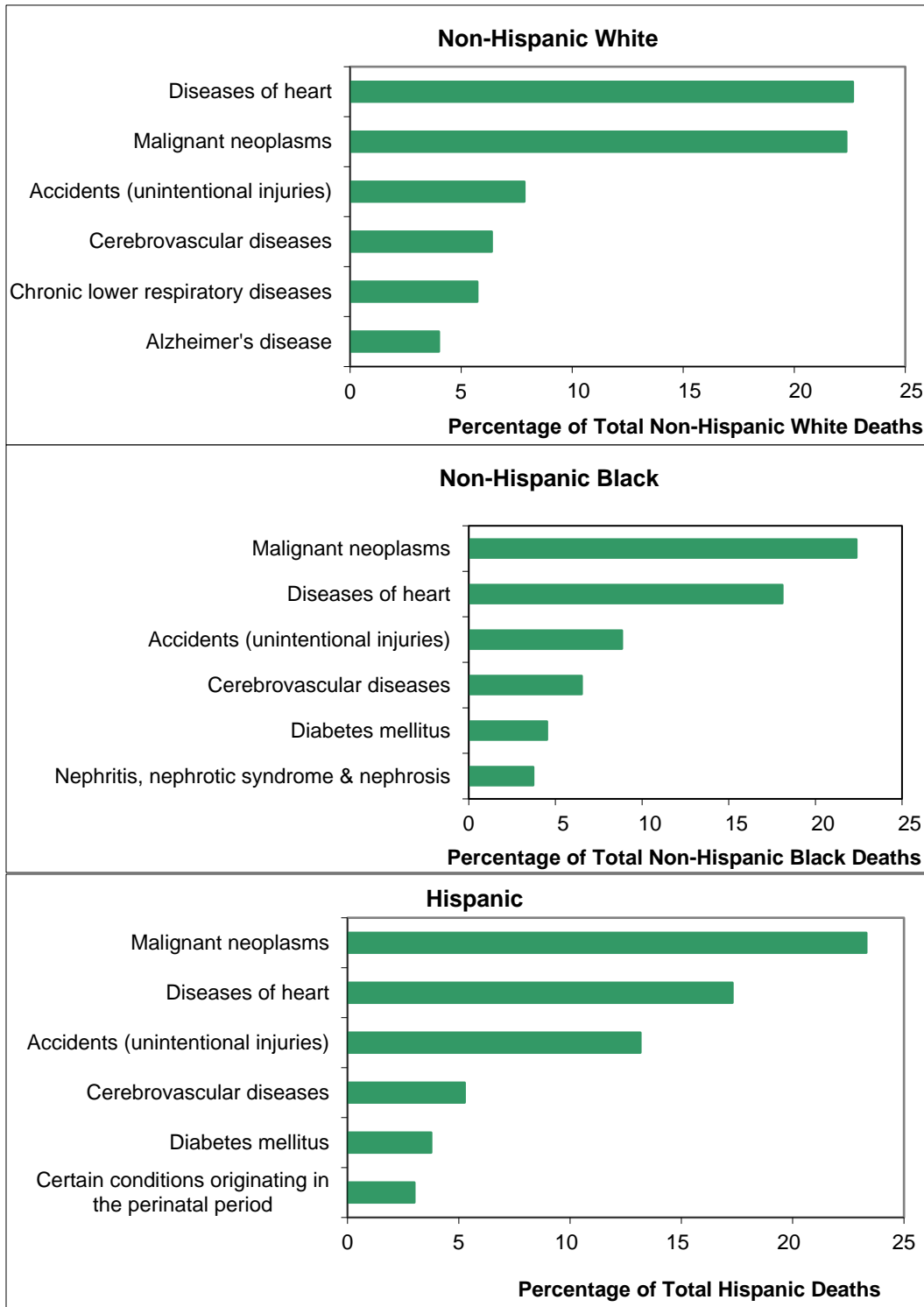
**Figure 48. Accidental Causes of Death by Specific Cause of Injury, Delaware, 2019**



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 ethnicity. In 2019, the most common causes of death for non-Hispanic white, non-Hispanic black, and Hispanic Delawareans were:

**Figure 49. Leading Causes of Death by Race and Ethnicity, Delaware, 2019**

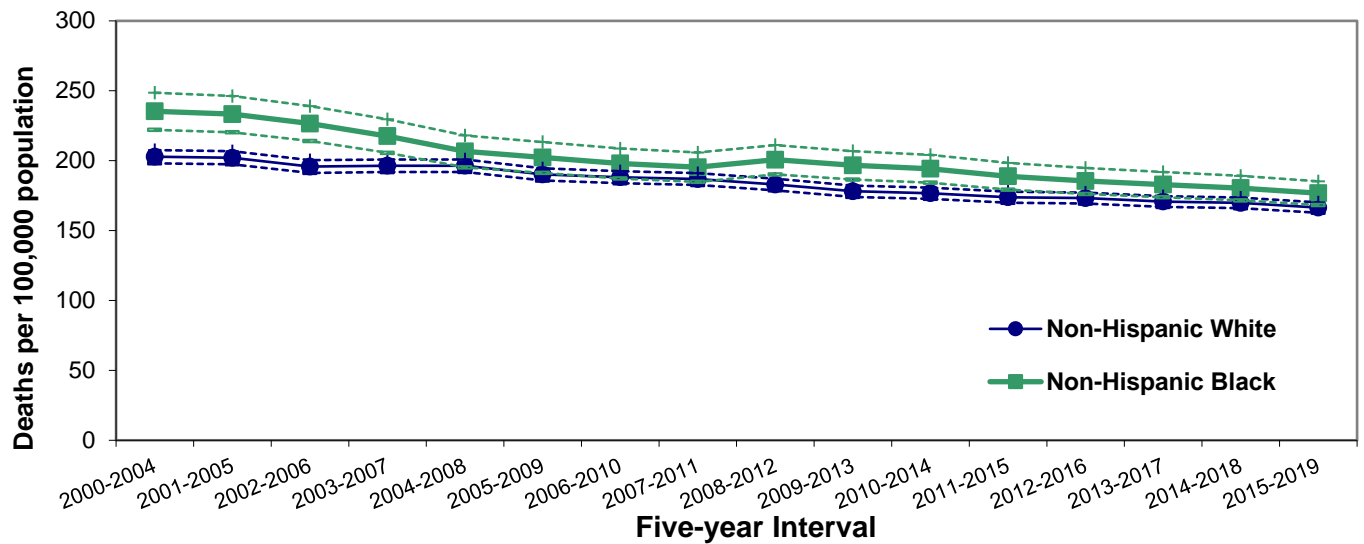


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

Cancer mortality rates decreased in all three counties since the 2000-2004 time period. In 2015-2019, the five-year age-adjusted cancer mortality rate was 156.4 deaths per 100,000 population in Sussex County, 162 deaths per 100,000 population in New Castle County, and 177.1 deaths per 100,000 population in Kent County. The cancer mortality rate in Wilmington exceeded that of Kent County at 177.7 and is nine percent higher than the Delaware age-adjusted cancer mortality rate of 162.5 deaths per 100,000 population .

Cancer mortality rates for non-Hispanic black and non-Hispanic white decedents followed the same declining trend. The disparity between the two has declined. In 2015-2019, the non-Hispanic black cancer mortality rate of 176.8 deaths per 100,000 population was 6.3 % higher than non-Hispanic white rate of 166.4 deaths per 100,000 population, whereas in 2000-2004 the non-Hispanic black rate was 16 % higher than the non-Hispanic white rate (235.3 vs 202.8).

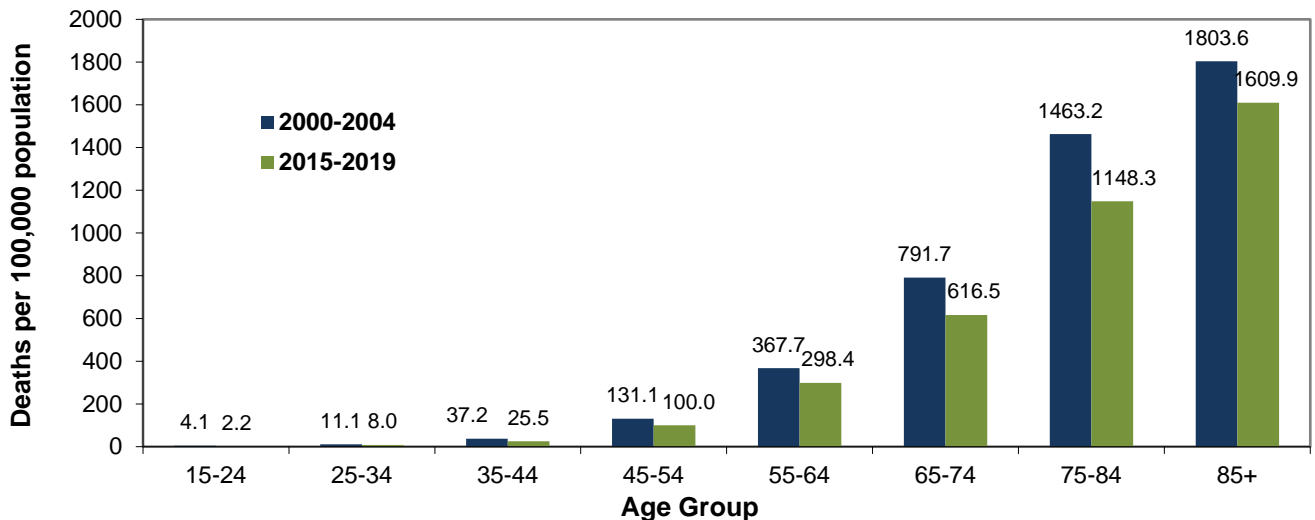
**Figure 50. Five-year Age-Adjusted Cancer Mortality Rates by Race, Delaware, 2000-2019**



Source: Delaware Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
 Note: Dashes represent upper or lower confidence intervals

The same decreasing trend in the age-adjusted cancer mortality rates were reflected in the age-specific rates. Cancer mortality rates declined for all age groups between the 2000-2004 and 2015-2019 time periods. The 15-24 and 35-44 age groups experienced the largest decreases; 46 and 31 percent decreases, respectively.

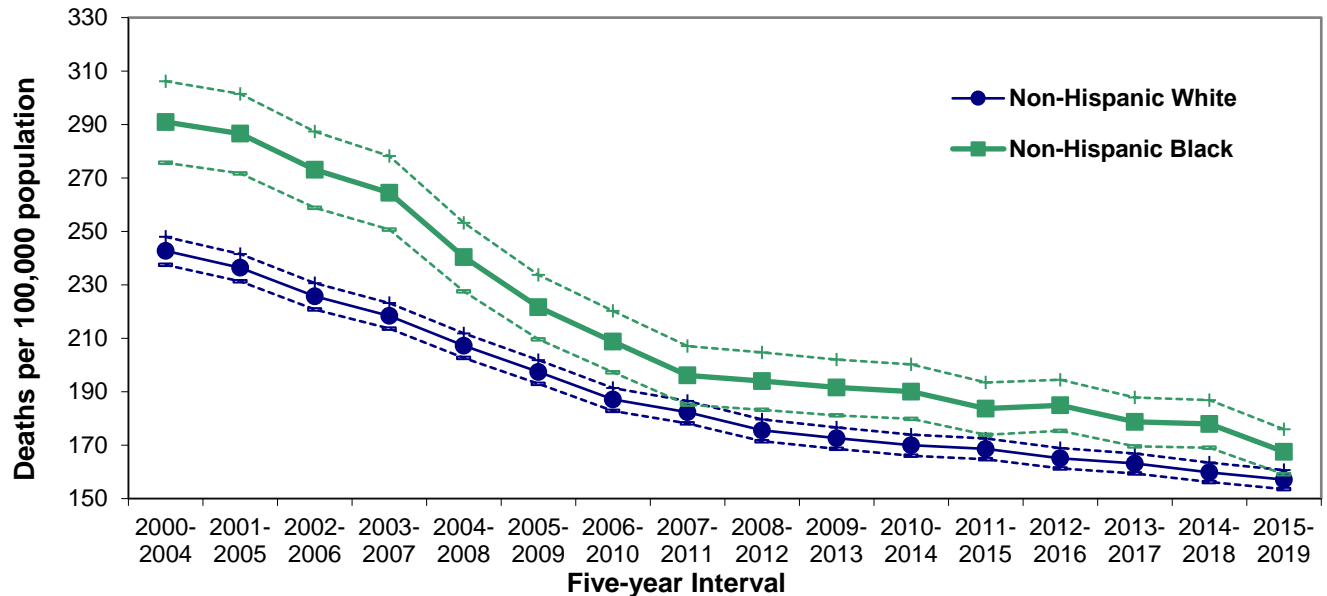
**Figure 51. Five-year Average Age-Specific Cancer Mortality Rates, Delaware, 2000-2004 and 2015-2019**



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 non-Hispanic black and non-Hispanic white Delawareans in 2015-2019. Non-Hispanic black and non-Hispanic white heart disease mortality rates have declined significantly since 2000-2004, with non-Hispanic black rates declining 42 percent and the non-Hispanic white rates declining 35 percent.

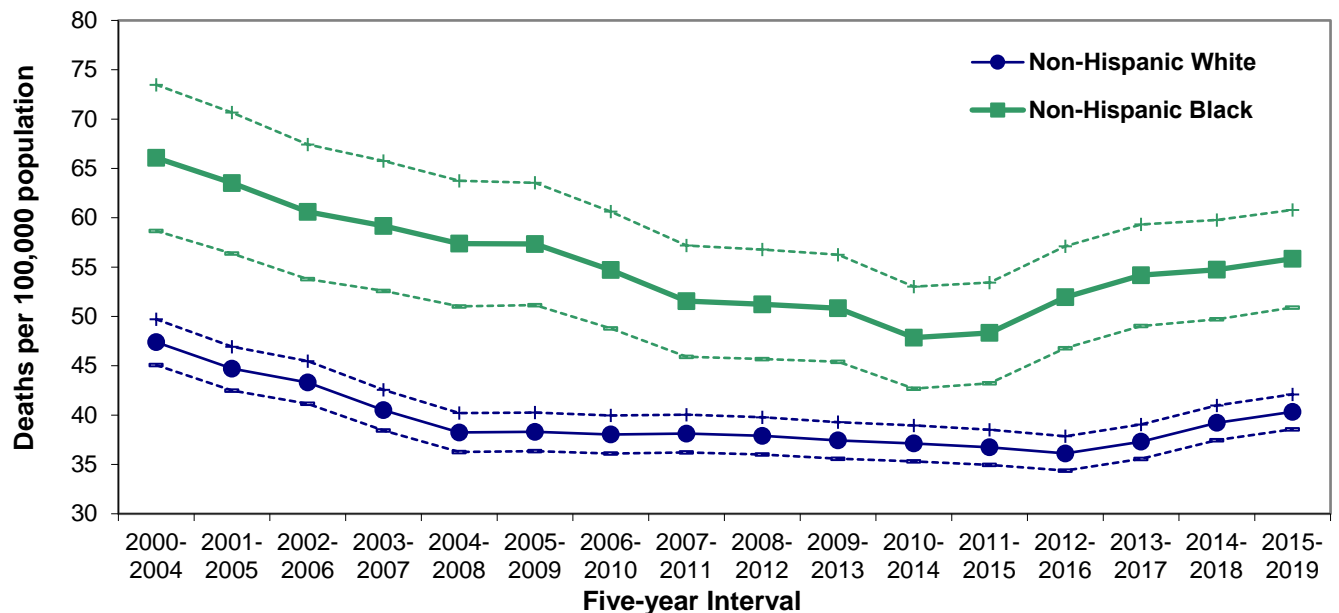
**Figure 52. Five-year Age-Adjusted Heart Disease Mortality Rates by Race, Delaware, 2000-2019**



Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
 Note: Dashes represent upper or lower confidence intervals

Both non-Hispanic black and non-Hispanic white stroke mortality rates decreased 15 percent from 2000-2004 to 2014-2019. In 2015-2019, the non-Hispanic black stroke mortality rate of 55.9 deaths per 100,000 population was 39 percent higher than the non-Hispanic white rate of 40.3 deaths per 100,000 population.

**Figure 53. Five-year Age-Adjusted Stroke Mortality Rates by Race, Delaware, 2000-2019**

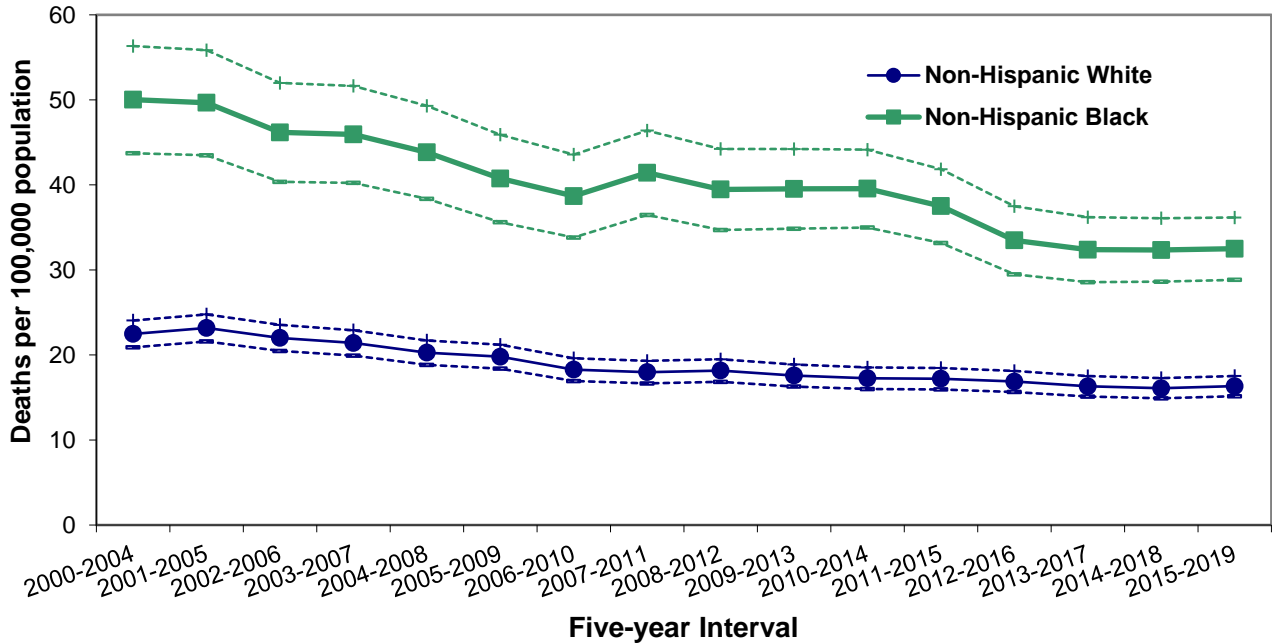


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
 Note: Dashes represent upper or lower confidence intervals



Although non-Hispanic black mortality rates for diabetes declined 35 percent since 2000-2004, their rates were double that of non-Hispanic white rates in 2015-2019

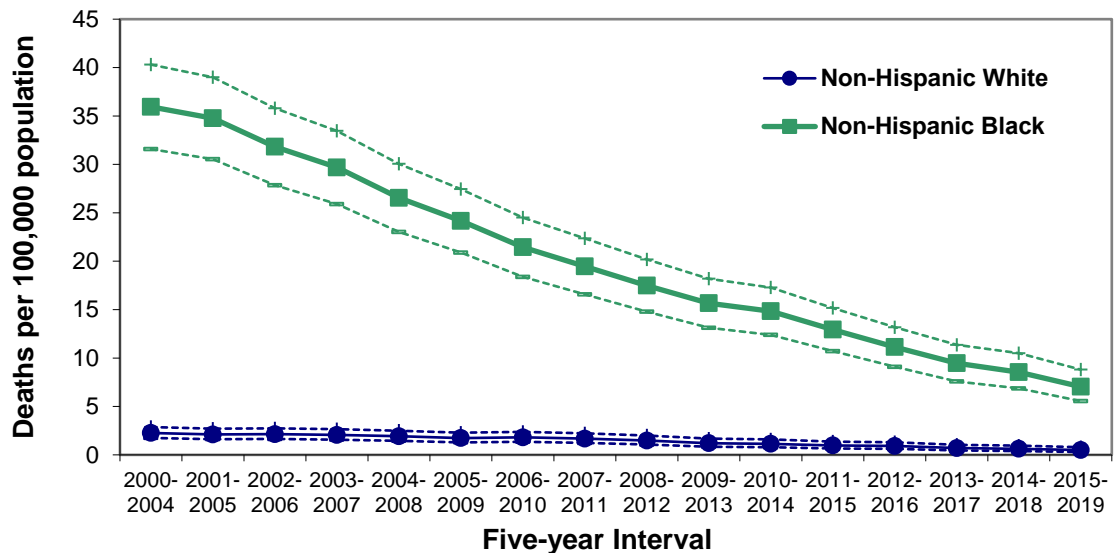
**Figure 54. Five-year Age-Adjusted Diabetes Mortality Rates by Race, Delaware, 2000-2019**



Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
 Note: Dashes represent upper or lower confidence intervals

HIV/AIDS mortality has disproportionately affected Delaware’s non-Hispanic black population. Although non-Hispanic black HIV/AIDS mortality rates decreased 81 percent since 2000-2004, their 2015-2019 mortality rate of 7 deaths per 100,000 population was more than 14 times that of non-Hispanic whites. Non-Hispanic black residents made up only 22 percent of the total Delaware population in 2015-2019; however, non-Hispanic black decedents accounted for 76 percent of all deaths due to HIV/AIDS.

**Figure 55. Five-year Age-Adjusted HIV/AIDS Mortality Rates by Race, Delaware, 2000-2019**

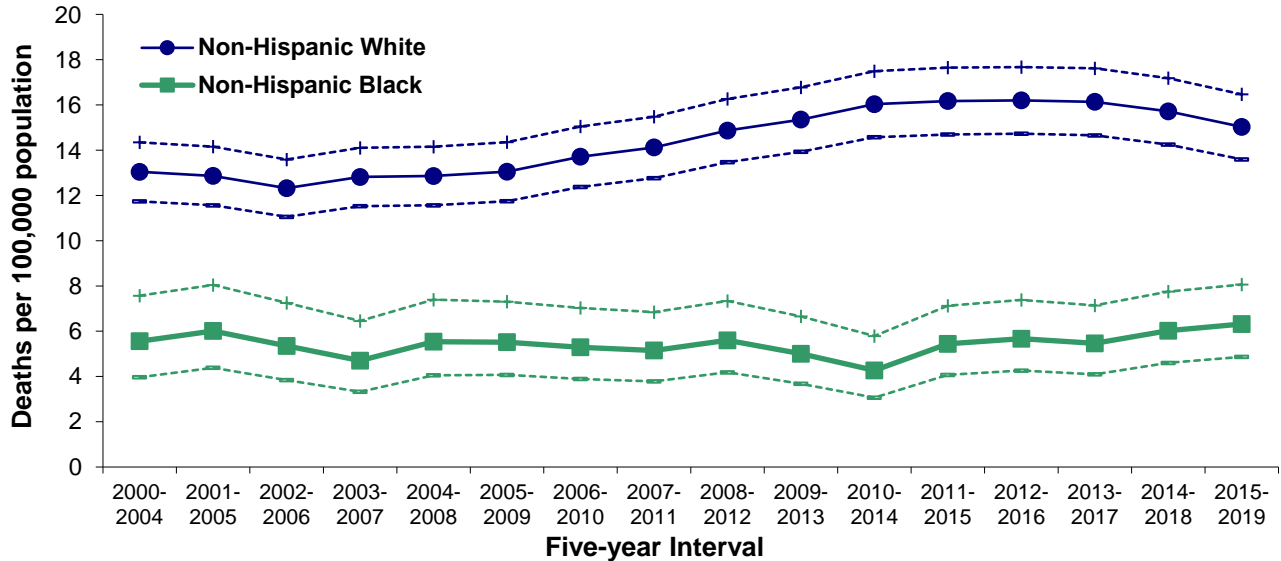


Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
 Note: Dashes represent upper or lower confidence intervals

In 2015-2019, HIV was the thirteenth leading cause of death for non-Hispanic black Delawareans; it ranked thirteenth for non-Hispanic black males and fifteenth for non-Hispanic black females.

Suicide mortality trends for non-Hispanic white populations increased 15 percent from 2000-2004 to 2015-2019, with the non-Hispanic white rate (15 deaths per 100,000 population) more than twice the non-Hispanic black rate (6.3 deaths per 100,000 population).

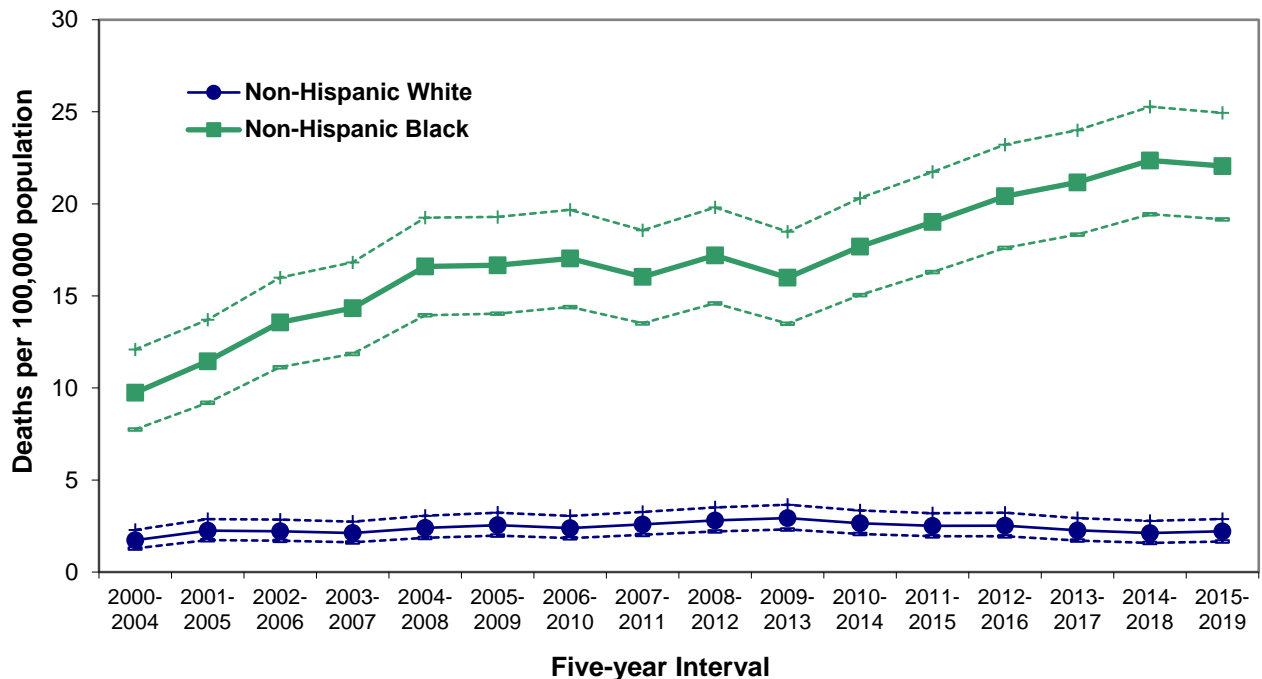
**Figure 56. Five-year Age-Adjusted Suicide Mortality Rates by Race, Delaware, 2000-2019**



Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
 Note: Dashes represent upper or lower confidence intervals

Homicide mortality rates increased 71 percent from 3.8 in 2000-2004 to 6.5 deaths per 100,000 population in 2015-2019. During the same period, the non-Hispanic black homicide rate increased 128 percent to 22.1 deaths per 100,000 population and the non-Hispanic white homicide mortality rate increased 29 percent from 1.7 to 2.2 deaths per 100,000 population.

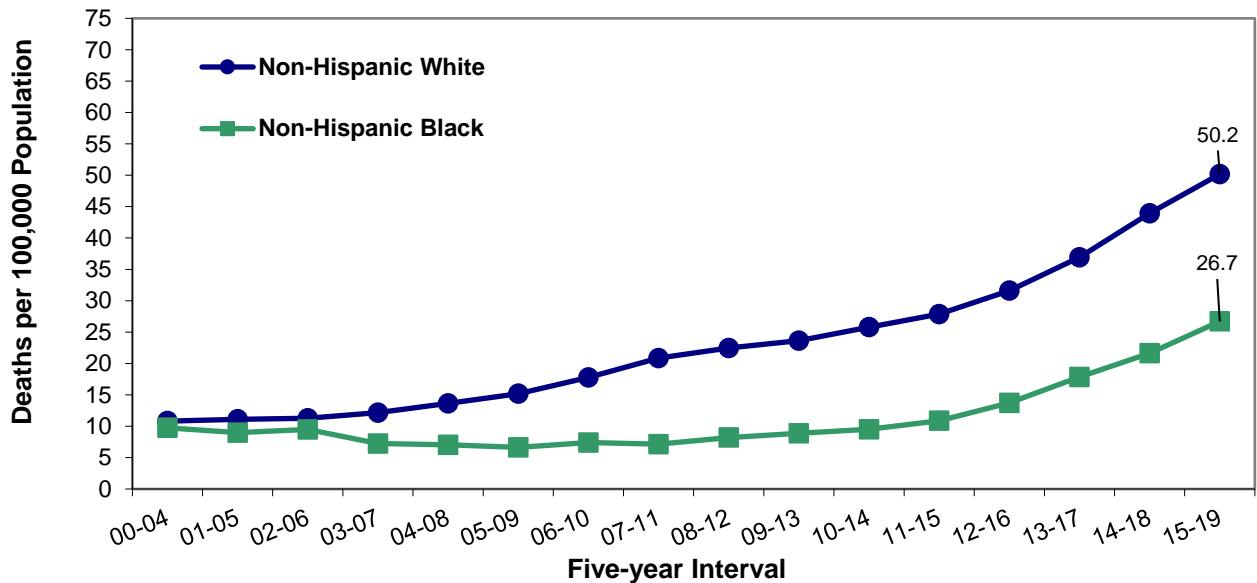
**Figure 57. Five-year Age-Adjusted Homicide Mortality Rates by Race, Delaware, 2000-2019**



Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center  
 Note: Dashes represent upper or lower confidence intervals

In 2000-2004, non-Hispanic white mortality rates for drug-induced deaths were 11 percent higher than non-Hispanic black rates. In 2015-2019, the disparity between these rates increased significantly with non-Hispanic white rates nearly twice the non-Hispanic black rates. Although the disparity exists between the races, both the non-Hispanic white and black mortality rates for drug-induced deaths increased since 2000-2004. From 2000-2004 to 2015-2019, non-Hispanic white rates increased 365 percent (10.8 to 50.2 deaths per 100,000 population) and non-Hispanic black rates increased 172 percent (9.8 to 26.7 deaths per 100,000 population).

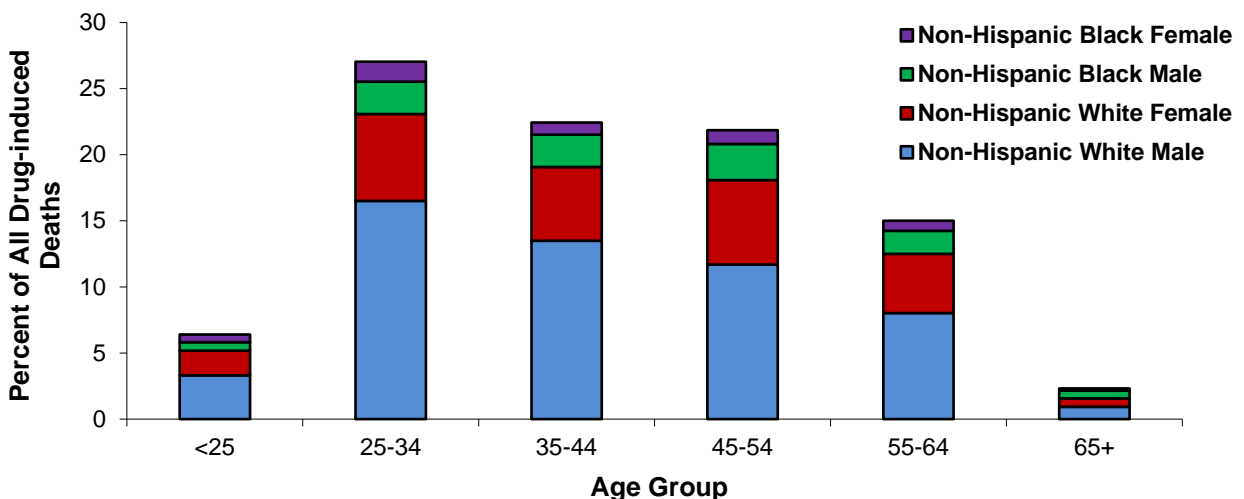
**Figure 58. Five-year Age-adjusted Mortality Rates for Drug-induced Deaths by Race, Delaware, 2000-2019**



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

The non-Hispanic white population has a significantly higher percentage of drug-induced deaths than the non-Hispanic black population. Non-Hispanic black decedents accounted for only 16 percent of drug induced deaths in 2015-2019. Fifty four percent of all drug-induced deaths were non-Hispanic white males. Non-Hispanic white males and females aged 25- to-54 made up the highest percentages of drug-induced deaths accounting for 60 percent of drug-induced deaths.

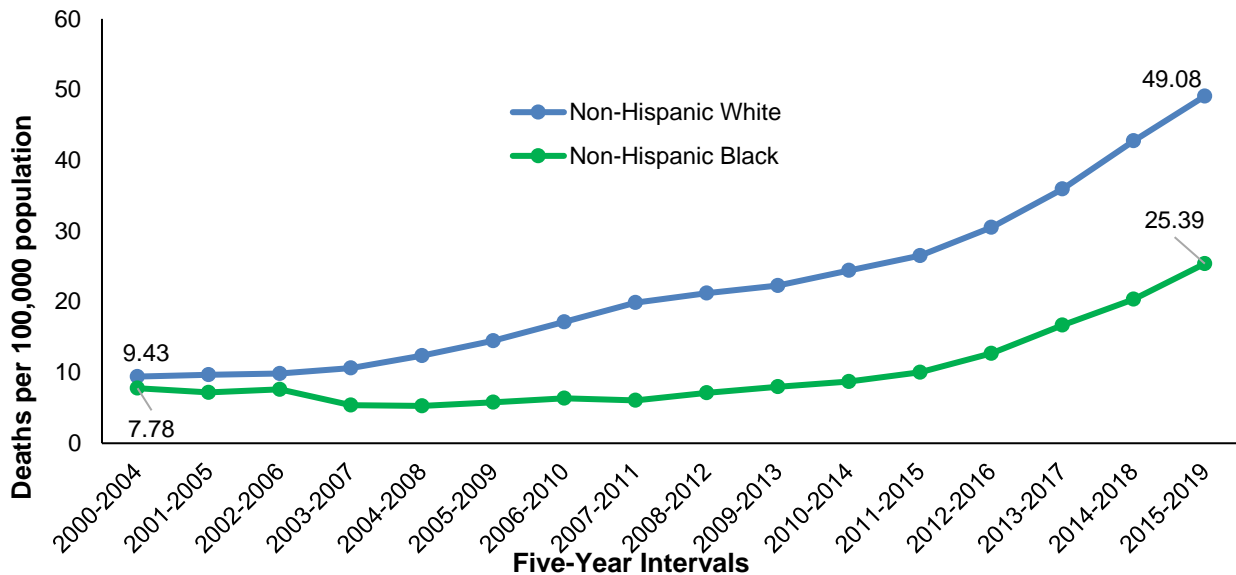
**Figure 59. Distribution of Drug-induced Deaths by Race, Sex, and Age group, Delaware 2015-2019**



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

In 2000-2004, the non-Hispanic white five-year age-adjusted drug overdose mortality rate of 9.43 was 21 percent higher than the non-Hispanic black rate of 7.78 deaths per 100,000 population. In 2015-2019, the five-year age-adjusted mortality rate for drug overdose deaths among non-Hispanic whites increased 420 percent to 49.08 deaths per 100,000 population, while the non-Hispanic black rate increased 226 percent to 25.39 deaths per 100,000 population.

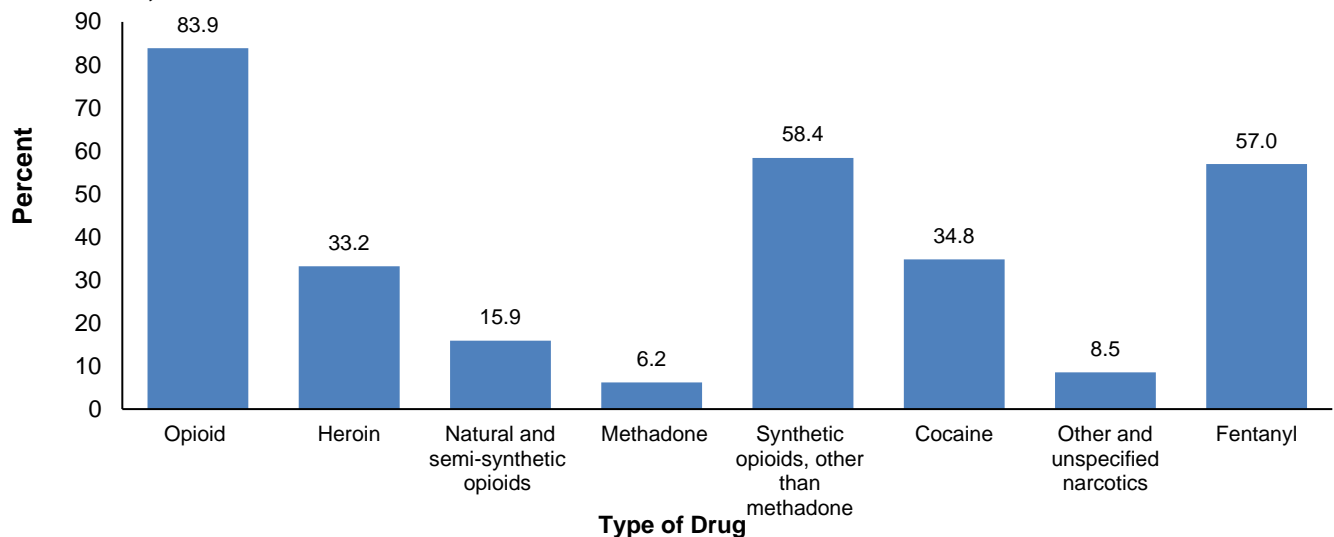
**Figure 60. Five-Year Age-adjusted Mortality Rates for Drug Overdose by Race, Delaware 2000-2019**



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

In 2015-2019, 84 percent of drug overdose deaths were opioid related, 58 percent involved synthetic opioids other than methadone, 57 percent involved fentanyl, and 33 percent included heroin. Thirty five percent of overdose deaths included cocaine. In the same time period, methadone contributed to the least number of drug overdose deaths at 6 percent.

**Figure 61. Percentage of Drug Overdose Deaths by Type of Drug, Delaware, 2015-2019**



Note: ICD codes Opioid: T40.0 to T40.4 and T40.6, Heroin: T40.1, Natural and semi-synthetic opioids: T40.2, Methadone: T40.3, Synthetic opioids, other than methadone: T40.4 (includes Fentanyl), Cocaine: T40.5, Other and unspecified narcotics: T40.6, Fentanyl is based on literal

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

**TABLE F-1. NUMBER OF DEATHS BY RACE, COUNTIES AND CITY OF WILMINGTON, U.S., DELAWARE, 2008-2019**

Area/ Race	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>U.S.</b>												
All Races	304,093,966	306,771,529	309,321,666	311,556,874	313,830,990	315,983,715	318,301,008	320,635,163	322,941,311	324,985,539	326,687,501	328,239,523
Non-Hispanic White	199,783,797	199,993,079	200,214,016	200,395,860	200,635,112	200,772,067	200,970,514	201,097,266	201,195,577	201,183,505	201,051,684	200,905,474
Non-Hispanic Black	38,651,733	39,104,815	39,551,752	39,975,910	40,412,190	40,833,425	41,266,720	41,703,936	42,135,660	42,534,653	42,887,182	43,235,803
Other Non-Hispanic	17,864,651	18,346,146	69,555,898	71,185,104	72,783,688	74,388,223	76,063,774	77,833,971	79,610,074	81,267,381	82,748,635	84,089,246
<b>Delaware</b>												
All Races	7,602	7,498	7,667	7,816	7,873	7,967	8,252	8,580	8,872	9,173	9,437	9,147
Non-Hispanic White	6,140	5,971	6,178	6,307	6,230	6,365	6,467	6,798	6,986	7,095	7,329	7,071
Non-Hispanic Black	1,200	1,254	1,245	1,248	1,387	1,284	1,424	1,438	1,504	1,703	1,682	1,641
Other Non-Hispanic	73	109	102	117	108	118	127	127	113	137	151	169
<b>Kent</b>												
All Races	1,367	1,379	1,345	1,368	1,462	1,422	1,524	1,592	1,626	1,622	1,766	1,660
Non-Hispanic White	1,106	1,078	1,064	1,072	1,138	1,110	1,146	1,215	1,216	1,235	1,300	1,198
Non-Hispanic Black	215	259	229	237	272	246	298	301	321	325	372	370
Other Non-Hispanic	13	19	27	33	21	27	27	27	25	30	40	40
<b>New Castle</b>												
All Races	4,290	4,100	4,221	4,394	4,260	4,338	4,334	4,547	4,666	4,881	4,972	4,872
Non-Hispanic White	3,336	3,125	3,259	3,413	3,190	3,301	3,218	3,423	3,472	3,500	3,625	3,555
Non-Hispanic Black	792	792	818	815	907	841	892	907	962	1,126	1,088	1,051
Other Non-Hispanic	46	64	54	65	70	75	73	78	71	85	83	101
<b>Wilmington</b>												
All Races	726	682	713	697	691	651	729	666	716	738	664	672
Non-Hispanic White	305	299	279	299	289	247	283	264	270	251	259	287
Non-Hispanic Black	385	355	403	360	382	362	390	359	403	431	358	336
Other Non-Hispanic	3	3	3	9	9	7	8	6	7	8	5	9
<b>Balance of NC County</b>												
All Races	3,564	3,408	3,508	3,697	3,569	3,687	3,605	3,881	3,950	4,143	4,308	4,200
Non-Hispanic White	3,031	2,826	2,980	3,114	2,921	3,054	2,935	3,159	3,202	3,249	3,366	3,268
Non-Hispanic Black	407	437	415	455	525	479	502	548	559	695	730	715
Other Non-Hispanic	43	61	51	56	61	68	65	72	64	77	78	92
<b>Sussex</b>												
All Races	1,945	2,019	2,101	2,054	2,151	2,207	2,394	2,441	2,580	2,670	2,699	2,615
Non-Hispanic White	1,698	1,768	1,855	1,822	1,902	1,954	2,103	2,160	2,298	2,360	2,404	2,318
Non-Hispanic Black	193	203	198	196	208	197	234	230	221	252	222	220
Other Non-Hispanic	14	26	21	19	17	16	27	22	17	22	28	28

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, 2019**

Area/ Age	All Races	Non-Hispanic								Hispanic Origin <sup>2</sup>
		White	Black	American Indian <sup>1</sup>	Asian or Pacific Islander (API)				All Other	
					Chinese	Japanese	Filipino	Other API		
<b>Delaware</b>	9,147	7,071	1,641	23	12	7	15	65	47	266
<1	68	16	35	0	0	0	0	3	4	10
1-4	20	5	6	0	0	0	0	0	1	8
5-14	12	6	5	0	0	0	0	0	0	1
15-24	87	40	39	0	0	0	0	1	2	5
25-34	247	156	69	0	0	1	0	2	4	15
35-44	312	182	93	0	0	0	2	2	1	32
45-54	502	322	140	2	0	0	1	6	5	26
55-64	1,175	838	280	1	1	0	0	7	6	42
65-74	1,760	1,313	362	6	1	0	3	14	7	54
75+	4,964	4,193	612	14	10	6	9	30	17	73
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	1,660	1,198	370	9	0	2	4	10	15	52
<1	17	5	9	0	0	0	0	0	2	1
1-4	3	1	0	0	0	0	0	0	0	2
5-14	2	1	1	0	0	0	0	0	0	0
15-24	22	8	12	0	0	0	0	0	1	1
25-34	45	25	16	0	0	0	0	0	0	4
35-44	54	31	18	0	0	0	0	1	0	4
45-54	113	75	27	2	0	0	0	1	2	6
55-64	236	166	57	1	0	0	0	2	0	10
65-74	309	209	84	4	0	0	1	1	5	5
75+	859	677	146	2	0	2	3	5	5	19
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	4,872	3,555	1,051	3	11	4	10	48	25	165
<1	44	8	23	0	0	0	0	3	2	8
1-4	10	1	5	0	0	0	0	0	0	4
5-14	8	3	4	0	0	0	0	0	0	1
15-24	50	21	24	0	0	0	0	1	1	3
25-34	155	99	43	0	0	1	0	2	3	7
35-44	191	103	65	0	0	0	2	1	0	20
45-54	268	151	94	0	0	0	1	5	3	14
55-64	644	430	181	0	1	0	0	4	5	23
65-74	905	621	227	1	1	0	2	11	2	40
75+	2,597	2,118	385	2	9	3	5	21	9	45
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Wilmington</b>	672	287	336	1	0	0	1	4	3	40
<1	13	2	7	0	0	0	0	0	0	4
1-4	2	0	1	0	0	0	0	0	0	1
5-14	1	0	1	0	0	0	0	0	0	0
15-24	14	2	12	0	0	0	0	0	0	0
25-34	24	4	16	0	0	0	0	1	0	3
35-44	42	15	20	0	0	0	1	1	0	5
45-54	42	11	26	0	0	0	0	0	0	5
55-64	101	33	63	0	0	0	0	0	1	4
65-74	140	46	82	0	0	0	0	1	1	10
75+	293	174	108	1	0	0	0	1	1	8
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	4,200	3,268	715	2	11	4	9	44	22	125
<1	31	6	16	0	0	0	0	3	2	4
1-4	8	1	4	0	0	0	0	0	0	3
5-14	7	3	3	0	0	0	0	0	0	1
15-24	36	19	12	0	0	0	0	1	1	3
25-34	131	95	27	0	0	1	0	1	3	4
35-44	149	88	45	0	0	0	1	0	0	15
45-54	226	140	68	0	0	0	1	5	3	9
55-64	543	397	118	0	1	0	0	4	4	19
65-74	765	575	145	1	1	0	2	10	1	30
75+	2,304	1,944	277	1	9	3	5	20	8	37
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2,615	2,318	220	11	1	1	1	7	7	49
<1	7	3	3	0	0	0	0	0	0	1
1-4	7	3	1	0	0	0	0	0	1	2
5-14	2	2	0	0	0	0	0	0	0	0
15-24	15	11	3	0	0	0	0	0	0	1
25-34	47	32	10	0	0	0	0	0	1	4
35-44	67	48	10	0	0	0	0	0	1	8
45-54	121	96	19	0	0	0	0	0	0	6
55-64	295	242	42	0	0	0	0	1	1	9
65-74	546	483	51	1	0	0	0	2	0	9
75+	1,508	1,398	81	10	1	1	1	4	3	9
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 Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**TABLE F-3. NUMBER OF DEATHS BY AGE AND RACE, COUNTIES AND CITY OF WILMINGTON, DELAWARE, 2019**

**BOTH SEXES**

Area/ Race	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>Delaware</b>														
All Races	9,147	68	20	6	6	32	55	247	312	502	1,175	1,760	4,964	0
Non-Hispanic White	7,071	16	5	3	3	7	33	156	182	322	838	1,313	4,193	0
Non-Hispanic Black	1,641	35	6	3	2	21	18	69	93	140	280	362	612	0
Other Non-Hispanic	169	7	1	0	0	0	3	7	5	14	15	31	86	0
Hispanic	266	10	8	0	1	4	1	15	32	26	42	54	73	0
<b>Kent</b>														
All Races	1,660	17	3	0	2	8	14	45	54	113	236	309	859	0
Non-Hispanic White	1,198	5	1	0	1	1	7	25	31	75	166	209	677	0
Non-Hispanic Black	370	9	0	0	1	7	5	16	18	27	57	84	146	0
Other Non-Hispanic	40	2	0	0	0	0	1	0	1	5	3	11	17	0
Hispanic	52	1	2	0	0	0	1	4	4	6	10	5	19	0
<b>New Castle</b>														
All Races	4,872	44	10	4	4	19	31	155	191	268	644	905	2,597	0
Non-Hispanic White	3,555	8	1	1	2	3	18	99	103	151	430	621	2,118	0
Non-Hispanic Black	1,051	23	5	3	1	13	11	43	65	94	181	227	385	0
Other Non-Hispanic	101	5	0	0	0	0	2	6	3	9	10	17	49	0
Hispanic	165	8	4	0	1	3	0	7	20	14	23	40	45	0
<b>Wilmington</b>														
All Races	672	13	2	1	0	9	5	24	42	42	101	140	293	0
Non-Hispanic White	287	2	0	0	0	0	2	4	15	11	33	46	174	0
Non-Hispanic Black	336	7	1	1	0	9	3	16	20	26	63	82	108	0
Other Non-Hispanic	9	0	0	0	0	0	0	1	2	0	1	2	3	0
Hispanic	40	4	1	0	0	0	0	3	5	5	4	10	8	0
<b>Balance of</b>														
<b>NC County</b>														
All Races	4,200	31	8	3	4	10	26	131	149	226	543	765	2,304	0
Non-Hispanic White	3,268	6	1	1	2	3	16	95	88	140	397	575	1,944	0
Non-Hispanic Black	715	16	4	2	1	4	8	27	45	68	118	145	277	0
Other Non-Hispanic	92	5	0	0	0	0	2	5	1	9	9	15	46	0
Hispanic	125	4	3	0	1	3	0	4	15	9	19	30	37	0
<b>Sussex</b>														
All Races	2,615	7	7	2	0	5	10	47	67	121	295	546	1,508	0
Non-Hispanic White	2,318	3	3	2	0	3	8	32	48	96	242	483	1,398	0
Non-Hispanic Black	220	3	1	0	0	1	2	10	10	19	42	51	81	0
Other Non-Hispanic	28	0	1	0	0	0	0	1	1	0	2	3	20	0
Hispanic	49	1	2	0	0	1	0	4	8	6	9	9	9	0

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

**TABLE F-4. NUMBER OF DEATHS BY AGE AND RACE, COUNTIES AND CITY OF WILMINGTON, DELAWARE, 2019**

**MALES**

Area/ Race	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>Delaware</b>														
All Races	4,836	37	9	2	4	23	40	168	197	304	742	1,041	2,269	0
Non-Hispanic White	3,700	10	0	0	2	4	23	106	117	200	533	760	1,945	0
Non-Hispanic Black	882	17	4	2	2	16	13	47	55	77	168	226	255	0
Non-Hispanic Other	88	4	0	0	0	0	3	4	4	7	8	23	35	0
Hispanic	166	6	5	0	0	3	1	11	21	20	33	32	34	0
<b>Kent</b>														
All Races	874	10	1	0	2	7	9	28	30	69	146	183	389	0
Non-Hispanic White	622	2	0	0	1	1	6	16	17	45	103	115	316	0
Non-Hispanic Black	202	6	0	0	1	6	1	8	10	17	34	55	64	0
Non-Hispanic Other	18	1	0	0	0	0	1	0	1	2	2	10	1	0
Hispanic	32	1	1	0	0	0	1	4	2	5	7	3	8	0
<b>New Castle</b>														
All Races	2,541	25	5	2	2	13	24	108	120	164	417	515	1,146	0
Non-Hispanic White	1,820	8	0	0	1	2	12	66	66	95	283	341	946	0
Non-Hispanic Black	563	9	3	2	1	9	10	34	38	53	110	141	153	0
Non-Hispanic Other	58	3	0	0	0	0	2	4	3	5	5	10	26	0
Hispanic	100	5	2	0	0	2	0	4	13	11	19	23	21	0
<b>Wilmington</b>														
All Races	361	7	1	1	0	6	3	19	28	24	75	77	120	0
Non-Hispanic White	138	2	0	0	0	0	1	2	10	7	26	20	70	0
Non-Hispanic Black	191	3	1	1	0	6	2	14	12	12	45	49	46	0
Non-Hispanic Other	7	0	0	0	0	0	0	1	2	0	0	2	2	0
Hispanic	25	2	0	0	0	0	0	2	4	5	4	6	2	0
<b>Balance of NC County</b>														
All Races	2,180	18	4	1	2	7	21	89	92	140	342	438	1,026	0
Non-Hispanic White	1,682	6	0	0	1	2	11	64	56	88	257	321	876	0
Non-Hispanic Black	372	6	2	1	1	3	8	20	26	41	65	92	107	0
Non-Hispanic Other	51	3	0	0	0	0	2	3	1	5	5	8	24	0
Hispanic	75	3	2	0	0	2	0	2	9	6	15	17	19	0
<b>Sussex</b>														
All Races	1,421	2	3	0	0	3	7	32	47	71	179	343	734	0
Non-Hispanic White	1,258	0	0	0	0	1	5	24	34	60	147	304	683	0
Non-Hispanic Black	117	2	1	0	0	1	2	5	7	7	24	30	38	0
Non-Hispanic Other	12	0	0	0	0	0	0	0	0	0	1	3	8	0
Hispanic	34	0	2	0	0	1	0	3	6	4	7	6	5	0

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, 2009-2019**

CHARACTERISTIC		Year										
		2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>Resident Deaths</b>												
	Number	7,498	7,667	7,816	7,873	7,967	8,252	8,580	8,872	9,173	9,437	9,147
	Crude Rate	840.5	851.5	859.3	859.5	863.0	885.9	912.4	933.5	956.8	976.0	940.7
	AADR <sup>2</sup>	762.4	760.8	759.7	745.8	728.0	730.1	737.6	739.4	743.5	750.1	711.8
<b>Decedent's Race/Ethnicity</b>												
White Non-Hispanic	Number	5,971	6,178	6,307	6,230	6,365	6,467	6,798	6,986	7,095	7,329	7,071
	Percent	79.6%	80.6%	80.7%	79.1%	79.9%	78.4%	79.2%	78.7%	77.3%	77.7%	77.3%
	AADR <sup>2</sup>	750.9	763.6	767.6	741.7	735.6	725.5	748.7	748.8	748.6	760.3	721.8
Black Non-Hispanic	Number	1,254	1,245	1,248	1,387	1,284	1,424	1,438	1,504	1,703	1,682	1,641
	Percent	16.7%	16.2%	16.0%	17.6%	16.1%	17.3%	16.8%	17.0%	18.6%	17.8%	17.9%
	AADR <sup>2</sup>	878.5	857.3	823.1	896.5	781.0	842.2	809.9	813.5	874.2	840.5	786.7
Hispanic <sup>1</sup>	Number	164	142	144	148	200	234	217	269	238	275	266
	Percent	2.2%	1.9%	1.8%	1.9%	2.5%	2.8%	2.5%	3.0%	2.6%	2.9%	2.9%
	AADR <sup>2</sup>	672.0	542.6	494.9	464.3	608.2	700.2	589.1	713.2	612.1	632.6	518.3
<b>Decedent's Gender</b>												
Female	Number	3,782	3,802	3,946	4,015	3,936	4,062	4,209	4,275	4,426	4,513	4,311
	Percent	50.4%	49.6%	50.5%	51.0%	49.4%	49.2%	49.1%	48.2%	48.3%	47.8%	47.1%
	AADR <sup>2</sup>	656.2	644.9	660.5	649.9	617.5	616.6	623.5	611.0	616.2	611.4	577.1
Male	Number	3,716	3,865	3,870	3,858	4,031	4,190	4,371	4,597	4,747	4,924	4,836
	Percent	49.6%	50.4%	49.5%	49.0%	50.6%	50.8%	50.9%	51.8%	51.7%	52.2%	52.9%
	AADR <sup>2</sup>	891.4	901.6	880.0	861.7	865.6	873.4	877.7	896.1	898.3	918.3	875.3
<b>Decedent's age</b>												
<1	Number	91	88	98	84	68	74	100	87	72	62	68
	Percent	1.2%	1.1%	1.3%	1.1%	0.9%	0.9%	1.2%	1.0%	0.8%	0.7%	0.7%
1-14	Number	27	18	28	30	29	22	22	24	26	32	32
	Percent	0.4%	0.2%	0.4%	0.4%	0.4%	0.3%	0.3%	0.3%	0.3%	0.3%	0.3%
15-24	Number	92	97	86	89	82	88	90	95	105	100	87
	Percent	1.2%	1.3%	1.1%	1.1%	1.0%	1.1%	1.0%	1.1%	1.1%	1.1%	1.0%
25-44	Number	359	362	356	388	359	375	410	430	463	528	559
	Percent	4.8%	4.7%	4.6%	4.9%	4.5%	4.5%	4.8%	4.8%	5.0%	5.6%	6.1%
45-64	Number	1,529	1,578	1,579	1,620	1,739	1,610	1,662	1,681	1,796	1,719	1,677
	Percent	20.4%	20.6%	20.2%	20.6%	21.8%	19.5%	19.4%	18.9%	19.6%	18.2%	18.3%
65-74	Number	1,313	1,307	1,357	1,325	1,385	1,546	1,605	1,763	1,881	1,808	1,760
	Percent	17.5%	17.0%	17.4%	16.8%	17.4%	18.7%	18.7%	19.9%	20.5%	19.2%	19.2%
75-84	Number	1,944	1,976	2,077	1,897	1,931	2,048	2,097	2,165	2,139	2,305	2,240
	Percent	25.9%	25.8%	26.6%	24.1%	24.2%	24.8%	24.4%	24.4%	23.3%	24.4%	24.5%
85+	Number	2,143	2,241	2,235	2,440	2,374	2,489	2,594	2,627	2,691	2,882	2,724
	Percent	28.6%	29.2%	28.6%	31.0%	29.8%	30.2%	30.2%	29.6%	29.3%	30.5%	29.8%

**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, 2019**

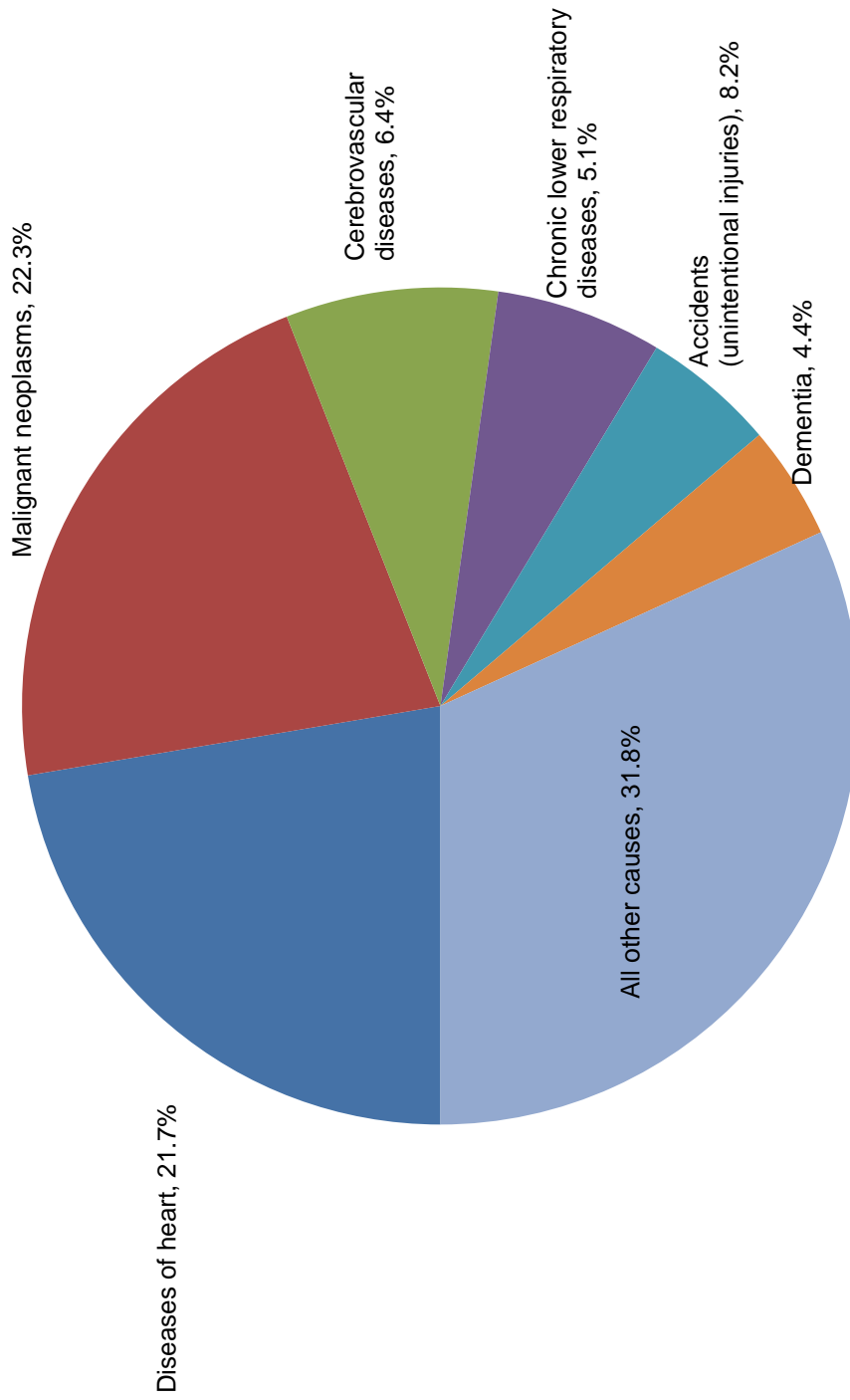
Cause of Death <sup>1</sup>	Deaths		Median Age at Death	
	Number	Percent	Male	Female
All causes	9,147	100.0	73	80
Malignant neoplasms	2,044	22.3	72	73
Diseases of heart	1,982	21.7	77	85
Accidents (unintentional injuries)	750	8.2	45	51
Cerebrovascular diseases	588	6.4	80	85
Chronic lower respiratory diseases	471	5.1	77	79
Dementia	402	4.4	85	90
Alzheimer's disease	340	3.7	85	89
Diabetes mellitus	267	2.9	70	71
Nephritis, nephrotic syndrome & nephrosis	206	2.3	77	81
Other diseases of respiratory system	140	1.5	78	77
Influenza & pneumonia	121	1.3	78	83
Chronic liver disease & cirrhosis	111	1.2	63	65
Intentional self-harm (suicide)	110	1.2	51	45
Septicemia	106	1.2	75	74
Parkinson's disease	94	1.0	83	83
Pneumonitis due to solids & liquids	76	0.8	81	86
Other diseases of circulatory system	74	0.8	75	80
Assault (homicide)	57	0.6	29	34
Symptoms, signs & abnormal clinical & lab findings, nec	49	0.5	63	81
In situ neopl, benign neopl & neopl of uncert or unk behav	43	0.5	80	88
Alcohol-induced deaths <sup>2</sup>	99	1.1	59	56
Drug-induced deaths <sup>2</sup>	442	4.8	39	39

Notes:

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

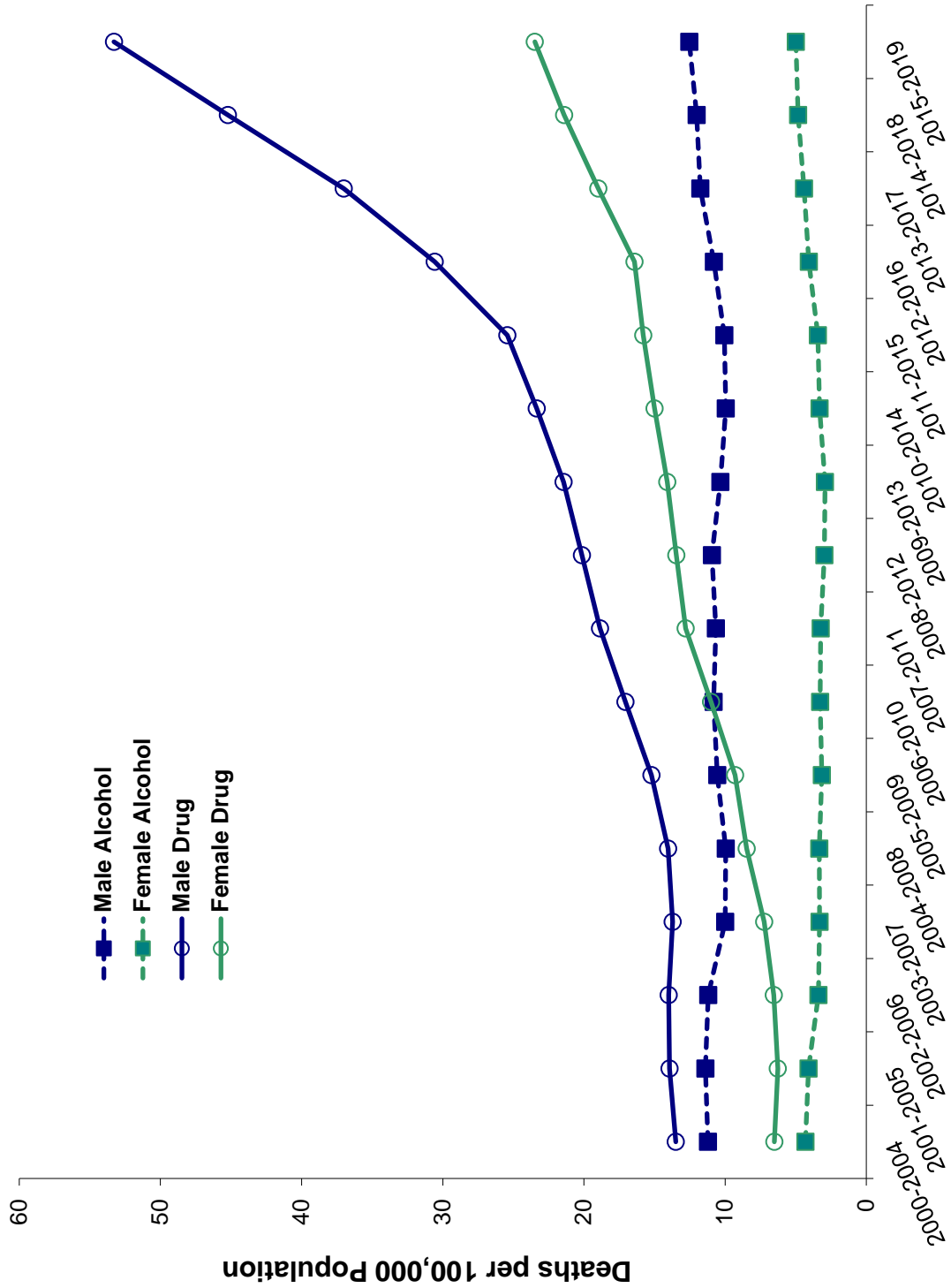
Source: Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center

**Figure F-1. Leading Causes of Death, Delaware, 2019**



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, 2000-2019**



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, 2015-2019**

**Kent**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	1,911	23.1
Diseases of heart	1,864	22.6
Accidents (unintentional injuries)	539	6.5
Chronic lower respiratory diseases	522	6.3
Cerebrovascular diseases	457	5.5
Alzheimer's disease	336	4.1
Diabetes mellitus	232	2.8
Nephritis, nephrotic syndrome & nephrosis	200	2.4
Influenza & pneumonia	130	1.6
Septicemia	127	1.5
Intentional self-harm (suicide)	109	1.3
Chronic liver disease & cirrhosis	93	1.1
Pneumonitis due to solids & liquids	79	1.0
Parkinson's disease	76	0.9
Essential (primary) hypertension & hypertensive renal disease	65	0.8
Assault (homicide)	51	0.6
All other causes	1,475	17.8
<b>Total</b>	<b>8,266</b>	<b>100.0</b>

**New Castle**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	5,329	22.3
Diseases of heart	4,897	20.5
Accidents (unintentional injuries)	1,749	7.3
Cerebrovascular diseases	1,573	6.6
Chronic lower respiratory diseases	1,255	5.2
Alzheimer's disease	881	3.7
Diabetes mellitus	620	2.6
Nephritis, nephrotic syndrome & nephrosis	546	2.3
Influenza & pneumonia	482	2.0
Intentional self-harm (suicide)	322	1.3
Septicemia	321	1.3
Parkinson's disease	246	1.0
Chronic liver disease & cirrhosis	243	1.0
Assault (homicide)	228	1.0
Pneumonitis due to solids & liquids	186	0.8
Certain conditions originating in the perinatal period	158	0.7
All other causes	4,902	20.5
<b>Total</b>	<b>23,938</b>	<b>100.0</b>

**City of Wilmington**

Cause of Death*	Deaths	
	#	%
Diseases of heart	702	20.3
Malignant neoplasms	682	19.7
Accidents (unintentional injuries)	294	8.5
Cerebrovascular diseases	209	6.0
Chronic lower respiratory diseases	170	4.9
Diabetes mellitus	111	3.2
Assault (homicide)	106	3.1
Alzheimer's disease	102	3.0
Nephritis, nephrotic syndrome & nephrosis	84	2.4
Septicemia	57	1.6
Influenza & pneumonia	53	1.5
Certain conditions originating in the perinatal period	42	1.2
Chronic liver disease & cirrhosis	40	1.2
Intentional self-harm (suicide)	39	1.1
Human immunodeficiency virus (HIV) disease	30	0.9
Essential (primary) hypertension & hypertensive renal disease	25	0.7
All other causes	710	20.5
<b>Total</b>	<b>3,456</b>	<b>100.0</b>

**Sussex**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	3,123	24.0
Diseases of the heart	3,102	23.9
Chronic Lower Respiratory Diseases	795	6.1
Accidents (unintentional injuries)	751	5.8
Cerebrovascular diseases	704	5.4
Alzheimer's Disease	506	3.9
Diabetes mellitus	313	2.4
Nephritis, nephrotic syndrome, and nephrosis	258	2.0
Septicemia	198	1.5
Chronic liver disease and cirrhosis	192	1.5
Influenza and pneumonia	187	1.4
Other diseases of respiratory system	174	1.3
Intentional self-harm (suicide)	145	1.1
Essential (primary) hypertension and hypertensive renal disease	126	1.0
Pneumonitis due to solids and liquids	103	0.8
Aortic aneurysm and dissection	43	0.3
All other causes	2,285	17.6
<b>Total</b>	<b>13,005</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, 2015-2019**

**All Races, Male**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	5,499	23.4
Diseases of heart	5,383	22.9
Accidents (unintentional injuries)	2,035	8.7
Cerebrovascular diseases	1,187	5.1
Chronic lower respiratory diseases	1,139	4.9
Diabetes mellitus	654	2.8
Alzheimer's disease	590	2.5
Nephritis, nephrotic syndrome & nephrosis	550	2.3
Intentional self-harm (suicide)	455	1.9
Influenza & pneumonia	412	1.8
All other causes	5,571	23.7
<b>Total</b>	<b>23,475</b>	<b>100.0</b>

**All Races, Female**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4,864	22.4
Diseases of heart	4,480	20.6
Cerebrovascular diseases	1,547	7.1
Chronic lower respiratory diseases	1,433	6.6
Alzheimer's disease	1,133	5.2
Accidents (unintentional injuries)	1,004	4.6
Diabetes mellitus	511	2.4
Nephritis, nephrotic syndrome & nephrosis	454	2.1
Influenza & pneumonia	387	1.8
Septicemia	323	1.5
All other causes	5,598	25.8
<b>Total</b>	<b>21,734</b>	<b>100.0</b>

**Non-Hispanic White, Both Sexes**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	8,196	23.2
Diseases of heart	7,886	22.4
Accidents (unintentional injuries)	2,309	6.5
Chronic lower respiratory diseases	2,222	6.3
Cerebrovascular diseases	2,077	5.9
Alzheimer's disease	1,419	4.0
Diabetes mellitus	784	2.2
Nephritis, nephrotic syndrome & nephrosis	666	1.9
Influenza & pneumonia	659	1.9
Septicemia	501	1.4
All other causes	8,560	24.3
<b>Total</b>	<b>35,279</b>	<b>100.0</b>

**Non-Hispanic Black, Both Sexes**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	1,775	22.3
Diseases of heart	1,601	20.1
Accidents (unintentional injuries)	532	6.7
Cerebrovascular diseases	513	6.4
Diabetes mellitus	320	4.0
Chronic lower respiratory diseases	303	3.8
Nephritis, nephrotic syndrome & nephrosis	290	3.6
Alzheimer's disease	239	3.0
Assault (homicide)	229	2.9
Septicemia	123	1.5
All other causes	2,043	25.6
<b>Total</b>	<b>7,968</b>	<b>100.0</b>

**Hispanic, Both Sexes**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	243	19.2
Diseases of heart	237	18.7
Accidents (unintentional injuries)	138	10.9
Cerebrovascular diseases	86	6.8
Diabetes mellitus	42	3.3
Certain conditions originating in the perinatal period	41	3.2
Alzheimer's disease	38	3.0
Chronic lower respiratory diseases	28	2.2
Intentional self-harm (suicide)	24	1.9
chromosomal abnormalities	24	1.9
All other causes	364	28.8
<b>Total</b>	<b>1,265</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, 2015-2019**

**Non-Hispanic White Male**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4,429	24.4
Diseases of heart	4,288	23.6
Accidents (unintentional injuries)	1,513	8.3
Chronic lower respiratory diseases	965	5.3
Cerebrovascular diseases	870	4.8
Alzheimer's disease	506	2.8
Diabetes mellitus	430	2.4
Intentional self-harm (suicide)	379	2.1
Nephritis, nephrotic syndrome & nephrosis	368	2.0
Influenza & pneumonia	333	1.8
All other causes	4,106	22.6
<b>Total</b>	<b>18,187</b>	<b>100.0</b>

**Non-Hispanic White Females**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	3,767	22.0
Diseases of heart	3,598	21.1
Chronic lower respiratory diseases	1,257	7.4
Cerebrovascular diseases	1,207	7.1
Alzheimer's disease	913	5.3
Accidents (unintentional injuries)	796	4.7
Diabetes mellitus	354	2.1
Influenza & pneumonia	326	1.9
Nephritis, nephrotic syndrome & nephrosis	298	1.7
Septicemia	251	1.5
All other causes	4,325	25.3
<b>Total</b>	<b>17,092</b>	<b>100.0</b>

**Non-Hispanic Black Males**

Cause of Death*	Deaths	
	#	%
Diseases of heart	875	20.9
Malignant neoplasms	841	20.1
Accidents (unintentional injuries)	376	9.0
Cerebrovascular diseases	249	6.0
Assault (homicide)	196	4.7
Diabetes mellitus	189	4.5
Nephritis, nephrotic syndrome & nephrosis	161	3.9
Chronic lower respiratory diseases	151	3.6
Alzheimer's disease	65	1.6
Septicemia	62	1.5
All other causes	1,016	24.3
<b>Total</b>	<b>4,181</b>	<b>100.0</b>

**Non-Hispanic Black Females**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	934	24.7
Diseases of heart	726	19.2
Cerebrovascular diseases	264	7.0
Alzheimer's disease	174	4.6
Accidents (unintentional injuries)	156	4.1
Chronic lower respiratory diseases	152	4.0
Diabetes mellitus	131	3.5
Nephritis, nephrotic syndrome & nephrosis	129	3.4
Septicemia	61	1.6
Influenza & pneumonia	49	1.3
All other causes	1,011	26.7
<b>Total</b>	<b>3,787</b>	<b>100.0</b>

**Hispanic Males**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	145	19.8
Diseases of heart	131	17.8
Accidents (unintentional injuries)	111	15.1
Cerebrovascular diseases	47	6.4
Diabetes mellitus	22	3.0
Certain conditions originating in the perinatal period	21	2.9
Intentional self-harm (suicide)	18	2.5
Chronic liver disease & cirrhosis	17	2.3
Chronic lower respiratory diseases	17	2.3
Assault (homicide)	14	1.9
All other causes	191	26.0
<b>Total</b>	<b>734</b>	<b>100.0</b>

**Hispanic Females**

Cause of Death*	Deaths	
	#	%
Diseases of heart	106	20.0
Malignant neoplasms	98	18.5
Cerebrovascular diseases	39	7.3
Accidents (unintentional injuries)	27	5.1
Alzheimer's disease	25	4.7
Certain conditions originating in the perinatal period	20	3.8
Diabetes mellitus	20	3.8
chromosomal abnormalities	12	2.3
Nephritis, nephrotic syndrome & nephrosis	12	2.3
Chronic lower respiratory diseases	11	2.1
All other causes	161	30.3
<b>Total</b>	<b>531</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, 2015-2019**

**1-4 Years**

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	14	20.6
Assault (homicide)	11	16.2
chromosomal abnormalities	9	13.2
Malignant neoplasms	3	4.4
Certain conditions originating in the perinatal period	2	2.9
Complications of medical & surgical care	1	1.5
Chronic lower respiratory diseases	1	1.5
Influenza & pneumonia	1	1.5
Diseases of heart	1	1.5
In situ neoplasms, benign neoplasms & neoplasms	1	1.5
	24	35.3
<b>Total</b>	<b>68</b>	<b>100.0</b>

**5-14 Years**

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	13	19.1
Congenital malformations, deformations, &	8	11.8
Malignant neoplasms	7	10.3
Intentional self-harm (suicide)	6	8.8
Diseases of heart	5	7.4
Assault (homicide)	2	2.9
Chronic lower respiratory diseases	2	2.9
Complications of medical & surgical care	1	1.5
Influenza & pneumonia	1	1.5
Cerebrovascular diseases	1	1.5
All other causes	22	32.4
<b>Total</b>	<b>68</b>	<b>100.0</b>

**15-24 Years**

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	211	44.2
Assault (homicide)	104	21.8
Intentional self-harm (suicide)	74	15.5
Diseases of heart	15	3.1
Malignant neoplasms	13	2.7
Chronic lower respiratory diseases	3	0.6
Diabetes mellitus	3	0.6
Human immunodeficiency virus (HIV) disease	3	0.6
Congenital malformations, deformations, &	1	0.2
Cerebrovascular diseases	1	0.2
All other causes	49	10.3
<b>Total</b>	<b>477</b>	<b>100.0</b>

**25-44 Years**

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	1,122	46.9
Diseases of heart	213	8.9
Malignant neoplasms	194	8.1
Intentional self-harm (suicide)	181	7.6
Assault (homicide)	143	6.0
Diabetes mellitus	56	2.3
Chronic liver disease & cirrhosis	34	1.4
Cerebrovascular diseases	31	1.3
Influenza & pneumonia	19	0.8
Human immunodeficiency virus (HIV) disease	16	0.7
All other causes	381	15.9
<b>Total</b>	<b>2,390</b>	<b>100.0</b>

**45-64 Years**

Cause of Death*	Deaths	
	Number	Percent
Malignant neoplasms	2,580	30.2
Diseases of heart	1,563	18.3
Accidents (unintentional injuries)	956	11.2
Chronic lower respiratory diseases	336	3.9
Diabetes mellitus	320	3.7
Cerebrovascular diseases	288	3.4
Chronic liver disease & cirrhosis	256	3.0
Intentional self-harm (suicide)	222	2.6
Nephritis, nephrotic syndrome & nephrosis	176	2.1
Septicemia	131	1.5
All other causes	1,707	20.0
<b>Total</b>	<b>8,535</b>	<b>100.0</b>

**65+ Years**

Cause of Death*	Deaths	
	Number	Percent
Diseases of heart	8,063	24.2
Malignant neoplasms	7,566	22.7
Cerebrovascular diseases	2,410	7.2
Chronic lower respiratory diseases	2,217	6.7
Alzheimer's disease	1,707	5.1
Nephritis, nephrotic syndrome & nephrosis	813	2.4
Diabetes mellitus	786	2.4
Accidents (unintentional injuries)	708	2.1
Influenza & pneumonia	659	2.0
Septicemia	491	1.5
All other causes	7,862	23.6
<b>Total</b>	<b>33,282</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, 2019**  
**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>	1,982	0	0	2	1	1	2	9	28	77	214	388	1,260	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	13	0	0	0	0	0	0	1	0	0	1	1	10	0
Hypertensive heart disease (I11)	145	0	0	0	0	0	0	0	3	18	37	37	50	0
Hypertensive heart and renal disease (I13)	18	0	0	0	0	0	0	0	1	2	2	4	9	0
Ischemic heart disease (I20-I25)	1,077	0	0	0	0	0	0	1	9	32	119	238	678	0
All other forms of heart disease (I26-I51)	729	0	0	2	1	1	2	7	15	25	55	108	513	0
<b>Malignant neoplasms (C00-C97)</b>	2,044	0	0	0	0	1	1	5	34	109	371	597	926	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	31	0	0	0	0	0	0	0	0	3	14	5	9	0
Malignant neoplasms of digestive organs (C15-C26)	522	0	0	0	0	0	0	0	8	30	118	155	211	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	517	0	0	0	0	0	0	0	4	16	94	172	231	0
Malignant neoplasms of breast (C50)	142	0	0	0	0	0	0	3	6	22	23	28	60	0
Malignant neoplasms of female genital organs, (C51-C58)	115	0	0	0	0	0	0	0	5	5	26	38	41	0
Malignant neoplasms of male genital organs, (C60-C63)	109	0	0	0	0	0	0	0	0	4	9	33	63	0
Malignant neoplasms of urinary tract (C64-C68)	126	0	0	0	0	0	0	0	0	4	20	32	70	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	45	0	0	0	0	0	0	0	3	3	13	12	14	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	199	0	0	0	0	0	1	0	5	7	24	60	102	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	238	0	0	0	0	1	0	2	3	15	30	62	125	0
<b>Cerebrovascular diseases (I60-I69)</b>	588	0	1	0	0	0	0	6	7	12	44	86	432	0

**TABLE F-12. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019  
ALL RACES, BOTH SEXES - CON.**

	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>	471	0	0	1	0	1	0	1	2	15	48	108	295	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	750	3	6	2	1	14	35	161	133	111	102	42	140	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)	127	0	1	1	1	7	16	21	20	12	23	9	16	0
Nontransport Accidents (W00-X59, Y86)	616	3	5	0	0	7	19	140	112	99	77	32	122	0
<b>Diabetes mellitus (E10-E14)</b>	267	0	0	0	0	1	0	5	11	19	53	61	117	0
<b>Influenza and pneumonia (J10-J18)</b>	121	0	0	0	0	0	1	3	1	11	17	10	78	0
<b>Alzheimer's disease (G30)</b>	340	0	0	0	0	0	0	0	0	0	1	23	316	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	206	0	0	0	0	0	0	2	1	9	23	46	125	0
<b>Septicemia (A40-A41)</b>	106	2	0	0	0	0	0	2	1	7	21	22	51	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	110	0	0	0	1	3	5	19	20	25	21	8	8	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	111	0	0	0	0	0	0	0	5	21	31	36	18	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	93	0	0	0	0	0	0	1	0	6	16	16	54	0
<b>Aortic aneurysm and dissection (I71)</b>	38	1	0	0	0	0	0	0	4	3	2	9	19	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	57	1	3	0	0	10	7	13	13	5	2	2	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	16	0	0	0	0	0	0	2	1	3	7	3	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	39	38	1	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	21	7	2	0	1	0	0	1	3	0	3	2	2	0
<b>All other causes</b>	1,787	16	7	1	2	1	4	17	48	69	199	301	1,122	0
<b>TOTAL</b>	9,147	68	20	6	6	32	55	247	312	502	1,175	1,760	4,964	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, KENT COUNTY, DELAWARE, 2019**

**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>	379	0	0	0	0	0	0	3	7	22	47	75	224	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	3	0	0	0	0	0	0	0	0	0	1	0	2	0
Hypertensive heart disease (I11)	25	0	0	0	0	0	0	0	1	5	5	8	6	0
Hypertensive heart and renal disease (I13)	2	0	0	0	0	0	0	0	0	0	1	0	1	0
Ischemic heart disease (I20-I25)	216	0	0	0	0	0	0	0	1	10	29	48	128	0
All other forms of heart disease (I26-I51)	133	0	0	0	0	1	0	3	5	7	11	19	87	0
<b>Malignant neoplasms (C00-C97)</b>	364	0	0	0	0	0	0	1	4	21	74	103	161	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	6	0	0	0	0	0	0	0	0	0	3	1	2	0
Malignant neoplasms of digestive organs (C15-C26)	94	0	0	0	0	0	0	0	2	4	17	30	41	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	87	0	0	0	0	0	0	0	0	8	17	26	36	0
Malignant neoplasms of breast (C50)	24	0	0	0	0	0	0	1	0	3	5	3	12	0
Malignant neoplasms of female genital organs, (C51-C58)	18	0	0	0	0	0	0	0	0	1	7	4	6	0
Malignant neoplasms of male genital organs, (C60-C63)	23	0	0	0	0	0	0	0	0	0	3	6	14	0
Malignant neoplasms of urinary tract (C64-C68)	31	0	0	0	0	0	0	0	0	2	8	4	17	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	7	0	0	0	0	0	0	0	0	1	1	2	3	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	34	0	0	0	0	0	0	0	2	1	5	15	11	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	40	0	0	0	0	0	0	0	0	1	8	12	19	0
<b>Cerebrovascular diseases (I60-I69)</b>	103	0	0	0	0	0	0	1	2	6	9	12	73	0

**TABLE F-13. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, KENT COUNTY, DELAWARE, 2019**

**ALL RACES, BOTH SEXES - CON.**

	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>	104	0	0	0	0	0	0	0	0	0	4	10	19	71	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	128	0	0	0	0	4	10	27	21	22	18	6	6	20	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)	31	0	0	0	0	4	6	5	3	2	4	3	3	4	0
Nontransport Accidents (W00-X59, Y86)	96	0	0	0	0	0	4	22	17	20	14	3	3	16	0
<b>Diabetes mellitus (E10-E14)</b>	47	0	0	0	0	1	0	0	2	4	12	13	15	15	0
<b>Influenza and pneumonia (J10-J18)</b>	24	0	0	0	0	0	0	1	0	4	3	2	2	14	0
<b>Alzheimer's disease (G30)</b>	65	0	0	0	0	0	0	0	0	0	0	0	3	62	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	36	0	0	0	0	0	0	0	0	0	2	7	4	23	0
<b>Septicemia (A40-A41)</b>	22	0	0	0	0	0	0	0	0	0	3	4	4	11	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	23	0	0	0	0	1	2	4	8	4	2	2	2	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	17	0	0	0	0	0	0	0	0	0	5	6	4	2	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	21	0	0	0	0	0	0	1	0	3	2	2	2	13	0
<b>Aortic aneurysm and dissection (I71)</b>	9	1	0	0	0	0	0	0	0	0	0	0	2	6	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	10	0	2	0	0	1	0	2	4	1	0	0	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	2	0	0	0	0	0	0	0	0	1	1	0	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	6	2	0	0	1	0	0	0	2	0	1	0	0	0	0
<b>All other causes</b>	290	4	1	0	1	0	2	5	4	11	40	58	164	0	0
<b>TOTAL</b>	1,660	17	3	0	2	8	14	45	54	113	236	309	859	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-14. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, NEW CASTLE COUNTY, DELAWARE, 2019**

**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>	1,023	0	0	1	1	0	2	4	18	39	118	198	642	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	4	0	0	0	0	0	0	1	0	0	0	1	2	0
Hypertensive heart disease (I11)	76	0	0	0	0	0	0	0	2	6	25	21	22	0
Hypertensive heart and renal disease (I13)	9	0	0	0	0	0	0	0	1	2	1	2	3	0
Ischemic heart disease (I20-I25)	519	0	0	0	0	0	0	0	7	19	65	111	317	0
All other forms of heart disease (I26-I51)	415	0	0	1	1	0	2	3	8	12	27	63	298	0
<b>Malignant neoplasms (C00-C97)</b>	1,064	0	0	0	0	1	1	3	20	64	201	294	480	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	18	0	0	0	0	0	0	0	0	3	8	4	3	0
Malignant neoplasms of digestive organs (C15-C26)	290	0	0	0	0	0	0	0	5	19	74	82	110	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	241	0	0	0	0	0	0	0	0	4	48	72	117	0
Malignant neoplasms of breast (C50)	84	0	0	0	0	0	0	2	4	14	9	20	35	0
Malignant neoplasms of female genital organs, (C51-C58)	66	0	0	0	0	0	0	0	5	3	11	26	21	0
Malignant neoplasms of male genital organs, (C60-C63)	53	0	0	0	0	0	0	0	0	3	4	18	28	0
Malignant neoplasms of urinary tract (C64-C68)	52	0	0	0	0	0	0	0	0	2	6	11	33	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	27	0	0	0	0	0	0	0	2	1	9	7	8	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	106	0	0	0	0	0	1	0	2	5	15	30	53	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	127	0	0	0	0	1	0	1	2	10	17	24	72	0
<b>Cerebrovascular diseases (I60-I69)</b>	337	0	1	0	0	0	0	5	5	5	22	45	254	0

**TABLE F-14. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, NEW CASTLE COUNTY, DELAWARE, 2019**

**ALL RACES, BOTH SEXES - CON.**

	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>	234	0	0	1	0	0	1	0	1	2	9	28	56	136	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	425	3	2	2	1	7	16	96	81	61	59	17	80	0	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)	56	0	1	1	1	3	4	11	10	6	13	3	3	0	0
Nontransport Accidents (W00-X59, Y86)	365	3	1	0	0	4	12	85	71	55	44	14	76	0	0
<b>Diabetes mellitus (E10-E14)</b>	146	0	0	0	0	0	0	4	8	10	26	38	60	0	0
<b>Influenza and pneumonia (J10-J18)</b>	61	0	0	0	0	0	1	2	1	5	8	7	37	0	0
<b>Alzheimer's disease (G30)</b>	154	0	0	0	0	0	0	0	0	0	1	10	143	0	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	109	0	0	0	0	0	0	2	1	4	12	25	65	0	0
<b>Septicemia (A40-A41)</b>	56	1	0	0	0	0	0	2	1	1	9	12	30	0	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	62	0	0	0	0	1	3	15	8	13	13	5	3	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	57	0	0	0	0	0	0	0	4	9	15	21	8	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	33	0	0	0	0	0	0	0	0	3	9	10	11	0	0
<b>Aortic aneurysm and dissection (I71)</b>	18	0	0	0	0	0	0	0	3	1	0	7	7	0	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	42	1	1	0	0	8	7	9	8	3	2	2	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	14	0	0	0	0	0	0	2	1	2	6	3	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	26	25	1	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	8	4	0	0	0	0	0	0	1	0	1	1	1	0	0
<b>All other causes</b>	1,003	10	5	0	1	1	1	10	29	39	114	154	639	0	0
<b>TOTAL</b>	4,872	44	10	4	4	19	31	155	191	268	644	905	2,597	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-15. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, WILMINGTON, DELAWARE, 2019

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>	128	0	0	0	0	0	1	1	4	6	21	27	68	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	0	1	1	5	4	2	0
Hypertensive heart and renal disease (I13)	4	0	0	0	0	0	0	0	0	2	0	1	1	0
Ischemic heart disease (I20-I25)	63	0	0	0	0	0	0	0	2	2	8	14	37	0
All other forms of heart disease (I26-I51)	48	0	0	0	0	0	1	1	1	1	8	8	28	0
<b>Malignant neoplasms (C00-C97)</b>	127	0	0	0	0	0	0	0	6	3	24	45	49	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	2	0	0	0	0	0	0	0	0	0	0	2	0	0
Malignant neoplasms of digestive organs (C15-C26)	35	0	0	0	0	0	0	1	1	10	14	9	0	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	31	0	0	0	0	0	0	0	0	0	7	9	15	0
Malignant neoplasms of breast (C50)	8	0	0	0	0	0	0	0	0	1	3	2	2	0
Malignant neoplasms of female genital organs, (C51-C58)	13	0	0	0	0	0	0	0	2	0	0	6	5	0
Malignant neoplasms of male genital organs, (C60-C63)	7	0	0	0	0	0	0	0	0	0	2	3	2	0
Malignant neoplasms of urinary tract (C64-C68)	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	5	0	0	0	0	0	0	0	2	0	0	1	2	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	8	0	0	0	0	0	0	0	1	0	1	3	3	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	17	0	0	0	0	0	0	0	0	1	1	5	10	0
<b>Cerebrovascular diseases (I60-I69)</b>	44	0	0	0	0	0	0	2	1	0	1	10	30	0



**TABLE F-15. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, WILMINGTON, DELAWARE, 2019**

**ALL RACES, BOTH SEXES - CON.**

	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)	25	0	0	0	0	0	0	0	1	0	5	6	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	67	3	0	1	0	4	1	9	17	15	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)	9	0	0	0	0	1	1	2	4	0	1	0	0
Nontransport Accidents (W00-X59, Y86)	57	3	0	0	0	3	0	7	13	15	7	1	0
Diabetes mellitus (E10-E14)	40	0	0	0	0	0	0	1	3	3	6	11	16
Influenza and pneumonia (J10-J18)	8	0	0	0	0	0	0	1	0	0	3	1	0
Alzheimer's disease (G30)	15	0	0	0	0	0	0	0	0	0	1	0	14
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	14	0	0	0	0	0	0	0	1	1	2	3	0
Septicemia (A40-A41)	13	0	0	0	0	0	0	1	0	1	2	3	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	9	0	0	0	0	1	2	2	1	2	1	0	0
Chronic liver disease and cirrhosis (K70, K73-K74)	12	0	0	0	0	0	0	0	0	1	4	5	0
Essential hypertension and hypertensive renal disease (I10, I12)	4	0	0	0	0	0	0	0	0	0	1	1	0
Aortic aneurysm and dissection (I71)	3	0	0	0	0	0	0	0	1	0	0	2	0
Assault (homicide) (X85-Y09, Y87.1)	17	0	0	0	0	4	1	5	4	2	1	0	0
Human immunodeficiency virus (HIV) (B20-B24)	5	0	0	0	0	0	0	0	1	0	2	0	0
Certain conditions originating in the perinatal period (P00-P96)	6	6	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	1	1	0	0	0	0	0	0	0	0	0	0	0
All other causes	134	3	2	0	0	0	0	2	2	8	19	23	75
<b>TOTAL</b>	<b>672</b>	<b>13</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>9</b>	<b>5</b>	<b>24</b>	<b>42</b>	<b>42</b>	<b>101</b>	<b>140</b>	<b>293</b>

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, SUSSEX COUNTY, DELAWARE, 2019**

**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>	581	0	0	1	0	0	0	2	3	16	49	115	395	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	6	0	0	0	0	0	0	0	0	0	0	0	6	0
Hypertensive heart disease (I11)	44	0	0	0	0	0	0	0	0	7	7	8	22	0
Hypertensive heart and renal disease (I13)	7	0	0	0	0	0	0	0	0	0	0	2	5	0
Ischemic heart disease (I20-I25)	343	0	0	0	0	0	1	1	3	25	79	234	0	0
All other forms of heart disease (I26-I51)	181	0	0	1	0	0	1	2	6	17	26	128	0	0
<b>Malignant neoplasms (C00-C97)</b>	616	0	0	0	0	0	1	10	24	96	200	285	0	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	7	0	0	0	0	0	0	0	0	0	3	0	4	0
Malignant neoplasms of digestive organs (C15-C26)	138	0	0	0	0	0	0	1	7	27	43	60	0	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	189	0	0	0	0	0	0	4	4	29	74	78	0	0
Malignant neoplasms of breast (C50)	34	0	0	0	0	0	0	2	5	9	5	13	0	0
Malignant neoplasms of female genital organs, (C51-C58)	31	0	0	0	0	0	0	0	1	8	8	14	0	0
Malignant neoplasms of male genital organs, (C60-C63)	33	0	0	0	0	0	0	0	1	2	9	21	0	0
Malignant neoplasms of urinary tract (C64-C68)	43	0	0	0	0	0	0	0	0	6	17	20	0	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	11	0	0	0	0	0	0	1	1	3	3	3	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	59	0	0	0	0	0	0	1	1	4	15	38	0	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	71	0	0	0	0	0	1	1	4	5	26	34	0	0
<b>Cerebrovascular diseases (I60-I69)</b>	148	0	0	0	0	0	0	1	13	29	105	0	0	0

**TABLE F-16. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, SUSSEX COUNTY, DELAWARE, 2019**

**ALL RACES, BOTH SEXES - CON.**

	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>Chronic lower respiratory diseases (J40-J47)</b>	133	0	0	0	0	0	0	0	0	2	10	33	88	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	197	0	4	0	0	3	9	38	31	28	25	19	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)	40	0	0	0	0	0	6	5	7	4	6	3	9	0
Nontransport Accidents (W00-X59, Y86)	154	0	4	0	0	3	3	33	24	24	19	15	29	0
<b>Diabetes mellitus (E10-E14)</b>	74	0	0	0	0	0	0	1	1	5	15	10	42	0
<b>Influenza and pneumonia (J10-J18)</b>	36	0	0	0	0	0	0	0	0	2	6	1	27	0
<b>Alzheimer's disease (G30)</b>	121	0	0	0	0	0	0	0	0	0	0	10	111	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	61	0	0	0	0	0	0	0	0	3	4	17	37	0
<b>Septicemia (A40-A41)</b>	28	1	0	0	0	0	0	0	0	3	8	6	10	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	25	0	0	0	0	1	0	0	4	8	6	1	5	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	37	0	0	0	0	0	0	0	1	7	10	11	8	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	39	0	0	0	0	0	0	0	0	0	5	4	30	0
<b>Aortic aneurysm and dissection (I71)</b>	11	0	0	0	0	0	0	0	1	2	2	0	6	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	5	0	0	0	0	1	0	2	1	1	0	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	3	3	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	7	1	2	0	0	0	0	1	0	0	1	1	1	0
<b>All other causes</b>	493	2	1	1	0	0	1	2	15	19	45	89	318	0
<b>TOTAL</b>	2,615	7	7	2	0	5	10	47	67	121	295	546	1,508	0

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, 2019**

**ALL RACES, 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>	1,087	0	0	0	0	0	1	4	19	48	145	261	608	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	3	0	0	0	0	0	0	1	0	0	0	0	2	0
Hypertensive heart disease (I11)	79	0	0	0	0	0	0	0	3	14	24	20	18	0
Hypertensive heart and renal disease (I13)	8	0	0	0	0	0	0	0	0	1	1	1	5	0
Ischemic heart disease (I20-I25)	663	0	0	0	0	0	0	0	6	25	81	176	375	0
All other forms of heart disease (I26-I51)	334	0	0	0	0	1	1	3	10	8	39	64	208	0
<b>Malignant neoplasms (C00-C97)</b>	1,104	0	0	0	0	0	1	0	15	53	215	334	486	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	24	0	0	0	0	0	0	0	0	3	11	4	6	0
Malignant neoplasms of digestive organs (C15-C26)	313	0	0	0	0	0	0	0	3	17	86	101	106	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	281	0	0	0	0	0	0	0	2	9	56	99	115	0
Malignant neoplasms of breast (C50)	2	0	0	0	0	0	0	0	0	1	0	1	0	0
Malignant neoplasms of male genital organs, (C60-C63)	109	0	0	0	0	0	0	0	0	4	9	33	63	0
Malignant neoplasms of urinary tract (C64-C68)	90	0	0	0	0	0	0	0	0	3	16	20	51	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	29	0	0	0	0	0	0	0	3	3	8	7	8	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	123	0	0	0	0	0	1	0	4	5	12	32	69	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	133	0	0	0	0	0	0	0	3	8	17	37	68	0
<b>Cerebrovascular diseases (I60-I69)</b>	270	0	1	0	0	0	0	3	2	9	30	50	175	0

**TABLE F-17. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019  
ALL RACES, MALES - CON.**

	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>Chronic lower respiratory diseases (J40-J47)</b>	198	0	0	1	0	0	0	1	0	0	7	24	51	113	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)	507	2	2	1	1	9	25	114	97	78	77	77	27	74	0
Nontransport Accidents (W00-X59, Y86)	411	2	1	0	0	3	14	99	82	70	58	21	61	61	0
<b>Diabetes mellitus (E10-E14)</b>	171	0	0	0	0	0	0	4	5	12	37	38	75	0	0
<b>Influenza and pneumonia (J10-J18)</b>	59	0	0	0	0	0	0	2	0	5	10	6	36	0	0
<b>Alzheimer's disease (G30)</b>	100	0	0	0	0	0	0	0	0	0	1	8	91	0	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	117	0	0	0	0	0	0	2	0	4	16	29	66	0	0
<b>Septicemia (A40-A41)</b>	51	0	0	0	0	0	0	2	0	3	7	13	26	0	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	79	0	0	0	0	1	3	14	13	16	16	6	8	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	66	0	0	0	0	0	0	0	2	15	19	21	9	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	52	0	0	0	0	0	0	0	0	5	11	13	23	0	0
<b>Aortic aneurysm and dissection (I71)</b>	20	1	0	0	0	0	0	0	3	0	1	5	10	0	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	46	0	2	0	0	9	7	10	12	3	1	2	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	13	0	0	0	0	0	0	1	1	3	6	2	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	11	4	2	0	1	0	0	0	0	0	3	0	1	0	0
<b>All other causes</b>	862	7	2	0	1	1	3	12	27	43	123	175	468	0	0
<b>TOTAL</b>	4,836	37	9	2	4	23	40	168	197	304	742	1,041	2,269	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-18. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019**  
**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>	896	0	0	2	1	0	1	5	9	29	69	127	653	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	10	0	0	0	0	0	0	0	0	0	1	1	8	0
Hypertensive heart disease (I11)	66	0	0	0	0	0	0	0	0	4	13	17	32	0
Hypertensive heart and renal disease (I13)	10	0	0	0	0	0	0	0	1	1	1	3	4	0
Ischemic heart disease (I20-I25)	415	0	0	0	0	0	1	3	7	38	62	304	0	0
All other forms of heart disease (I26-I51)	395	0	0	2	1	0	1	4	5	17	44	305	0	0
<b>Malignant neoplasms (C00-C97)</b>	940	0	0	0	0	1	0	5	19	56	156	263	440	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	7	0	0	0	0	0	0	0	0	0	3	1	3	0
Malignant neoplasms of digestive organs (C15-C26)	209	0	0	0	0	0	0	0	5	13	32	54	105	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	236	0	0	0	0	0	0	0	2	7	38	73	116	0
Malignant neoplasms of breast (C50)	140	0	0	0	0	0	0	3	6	21	23	27	60	0
Malignant neoplasms of female genital organs, (C51-C58)	115	0	0	0	0	0	0	0	5	5	26	38	41	0
Malignant neoplasms of urinary tract (C64-C68)	36	0	0	0	0	0	0	0	0	1	4	12	19	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	16	0	0	0	0	0	0	0	0	0	5	5	6	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	76	0	0	0	0	0	0	0	1	2	12	28	33	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	105	0	0	0	0	1	0	2	0	7	13	25	57	0
<b>Cerebrovascular diseases (I60-I69)</b>	318	0	0	0	0	0	0	3	5	3	14	36	257	0

**TABLE F-18. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019  
ALL RACES, FEMALES - CON.**

	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>	273	0	0	0	0	0	0	1	1	8	24	57	182	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	243	1	4	1	0	5	10	47	36	33	25	15	66	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)	36	0	0	1	0	1	5	6	5	4	5	4	5	0
Nontransport Accidents (W00-X59, Y86)	204	1	4	0	0	4	5	41	30	29	19	11	60	0
<b>Diabetes mellitus (E10-E14)</b>	96	0	0	0	0	1	0	1	6	7	16	23	42	0
<b>Influenza and pneumonia (J10-J18)</b>	62	0	0	0	0	0	1	1	1	6	7	4	42	0
<b>Alzheimer's disease (G30)</b>	240	0	0	0	0	0	0	0	0	0	0	15	225	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	89	0	0	0	0	0	0	0	1	5	7	17	59	0
<b>Septicemia (A40-A41)</b>	55	2	0	0	0	0	0	0	1	4	14	9	25	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	31	0	0	0	0	1	2	5	7	9	5	2	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	45	0	0	0	0	0	0	0	3	6	12	15	9	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	41	0	0	0	0	0	0	1	0	1	5	3	31	0
<b>Aortic aneurysm and dissection (I71)</b>	18	0	0	0	0	0	0	0	1	3	1	4	9	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	11	1	1	0	0	1	0	3	1	2	1	0	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	3	0	0	0	0	0	0	1	0	0	1	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	16	15	1	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	10	3	0	0	0	0	0	1	3	0	0	2	1	0
<b>All Other Causes</b>	924	9	5	1	1	0	1	5	21	26	76	126	653	0
<b>TOTAL</b>	4,311	31	11	4	2	9	15	79	115	198	433	719	2,695	0

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, 2019**  
**NON-HISPANIC 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>	1,601	0	0	2	1	0	1	5	12	44	153	282	1,101	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	9	0	0	0	0	0	0	1	0	0	0	0	8	0
Hypertensive heart disease (I11)	107	0	0	0	0	0	0	0	2	11	29	22	43	0
Hypertensive heart and renal disease (I13)	11	0	0	0	0	0	0	0	1	0	1	1	8	0
Ischemic heart disease (I20-I25)	893	0	0	0	0	0	0	0	3	19	86	190	595	0
All other forms of heart disease (I26-I51)	581	0	0	2	1	0	1	4	6	14	37	69	447	0
<b>Malignant neoplasms (C00-C97)</b>	1,580	0	0	0	0	0	1	2	18	64	272	454	769	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	25	0	0	0	0	0	0	0	0	2	12	3	8	0
Malignant neoplasms of digestive organs (C15-C26)	379	0	0	0	0	0	0	0	5	12	81	111	170	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	423	0	0	0	0	0	0	0	3	12	72	143	193	0
Malignant neoplasms of breast (C50)	103	0	0	0	0	0	0	1	4	12	17	23	46	0
Malignant neoplasms of female genital organs, (C51-C58)	79	0	0	0	0	0	0	0	1	3	16	29	30	0
Malignant neoplasms of male genital organs, (C60-C63)	74	0	0	0	0	0	0	0	0	3	3	17	51	0
Malignant neoplasms of urinary tract (C64-C68)	108	0	0	0	0	0	0	0	0	3	17	24	64	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	37	0	0	0	0	0	0	0	3	3	9	8	14	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	160	0	0	0	0	0	1	0	1	4	20	45	89	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	192	0	0	0	0	0	0	1	1	10	25	51	104	0
<b>Cerebrovascular diseases (I60-I69)</b>	451	0	0	0	0	0	0	3	2	8	27	53	358	0



**TABLE F-19. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019  
NON-HISPANIC WHITE, BOTH SEXES - CON.**

	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>	405	0	0	0	0	0	0	1	2	12	35	89	266	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)	555	0	3	0	0	6	24	118	92	80	74	33	125	0
Nontransport Accidents (W00-X59, Y86)	70	0	0	0	0	3	8	8	9	7	15	7	13	0
<b>Diabetes mellitus (E10-E14)</b>	479	0	3	0	0	3	16	110	82	73	57	25	110	0
<b>Influenza and pneumonia (J10-J18)</b>	178	0	0	0	0	0	0	2	4	13	36	41	82	0
<b>Alzheimer's disease (G30)</b>	98	0	0	0	0	0	1	0	1	7	14	5	70	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	283	0	0	0	0	0	0	0	0	0	0	20	263	0
<b>Septicemia (A40-A41)</b>	130	0	0	0	0	0	0	0	1	5	12	31	81	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	85	1	0	0	0	0	0	0	0	4	15	19	46	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	90	0	0	0	1	0	4	14	15	21	20	7	8	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	92	0	0	0	0	0	0	0	2	18	27	28	17	0
<b>Aortic aneurysm and dissection (I71)</b>	69	0	0	0	0	0	0	1	0	3	13	9	43	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	30	0	0	0	0	0	0	0	1	2	1	7	19	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	9	0	0	0	0	1	0	3	1	2	1	0	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	1	0	0	0	0	0	0	0	0	0	1	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	10	10	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	11	1	0	0	1	0	0	1	2	0	3	1	2	0
<b>TOTAL</b>	1,393	4	2	1	0	0	2	6	29	39	134	234	942	0
	7,071	16	5	3	3	7	33	156	182	322	838	1,313	4,193	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, 2019**

**NON-HISPANIC WHITE 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>	878	0	0	0	0	0	1	2	7	30	107	192	539	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	3	0	0	0	0	0	0	1	0	0	0	0	2	0
Hypertensive heart disease (I11)	55	0	0	0	0	0	0	0	2	8	19	13	13	0
Hypertensive heart and renal disease (I13)	5	0	0	0	0	0	0	0	0	0	0	0	5	0
Ischemic heart disease (I20-I25)	555	0	0	0	0	0	0	0	1	17	61	140	336	0
All other forms of heart disease (I26-I51)	260	0	0	0	0	0	1	1	4	5	27	39	183	0
<b>Malignant neoplasms (C00-C97)</b>	873	0	0	0	0	0	1	0	9	36	158	245	424	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	20	0	0	0	0	0	0	0	0	2	10	2	6	0
Malignant neoplasms of digestive organs (C15-C26)	223	0	0	0	0	0	0	0	2	7	59	66	89	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	232	0	0	0	0	0	0	0	2	6	43	82	99	0
Malignant neoplasms of breast (C50)	2	0	0	0	0	0	0	0	0	1	0	1	0	0
Malignant neoplasms of genital organs, (C60-C63)	74	0	0	0	0	0	0	0	0	3	3	17	51	0
Malignant neoplasms of urinary tract (C64-C68)	78	0	0	0	0	0	0	0	0	3	13	15	47	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	24	0	0	0	0	0	0	0	3	3	5	5	8	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	107	0	0	0	0	0	1	0	1	4	11	26	64	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	113	0	0	0	0	0	0	0	1	7	14	31	60	0
<b>Cerebrovascular diseases (I60-I69)</b>	197	0	0	0	0	0	0	2	1	7	18	30	139	0

**TABLE F-20. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019  
NON-HISPANIC WHITE MALES - CON.**

	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>	164	0	0	0	0	0	0	0	1	6	20	39	98	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)	370	0	0	0	3	17	85	69	52	56	56	21	67	0
Nontransport Accidents (W00-X59, Y86)	50	0	0	0	2	6	4	8	4	13	4	4	9	0
<b>Diabetes mellitus (E10-E14)</b>	316	0	0	0	0	1	81	61	48	42	42	16	56	0
<b>Influenza and pneumonia (J10-J18)</b>	115	0	0	0	0	0	2	3	8	24	26	26	52	0
<b>Alzheimer's disease (G30)</b>	45	0	0	0	0	0	0	0	3	7	2	2	33	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	89	0	0	0	0	0	0	0	0	0	0	8	81	0
<b>Septicemia (A40-A41)</b>	72	0	0	0	0	0	0	0	1	8	19	44	44	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	41	0	0	0	0	0	0	0	1	5	11	24	24	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	65	0	0	0	1	3	9	10	13	15	15	6	8	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	53	0	0	0	0	0	0	0	13	17	17	15	8	0
<b>Aortic aneurysm and dissection (I71)</b>	39	0	0	0	0	0	0	0	3	9	7	20	20	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	16	0	0	0	0	0	0	1	0	0	0	5	10	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	4	0	0	0	0	1	1	1	1	1	0	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	1	0	0	0	0	0	0	0	0	0	1	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	7	7	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	6	1	0	0	1	0	0	0	0	0	3	0	1	0
<b>TOTAL</b>	665	2	0	0	0	1	5	15	26	85	134	397	397	0
<b>TOTAL</b>	3,700	10	0	0	2	4	23	106	117	200	533	760	1,945	0

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, 2019**  
**NON-HISPANIC WHITE FEMALE**

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>	723	0	0	2	1	0	0	3	5	14	46	90	562	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	6	0	0	0	0	0	0	0	0	0	0	0	6	0
Hypertensive heart disease (I11)	52	0	0	0	0	0	0	0	0	3	10	9	30	0
Hypertensive heart and renal disease (I13)	6	0	0	0	0	0	0	0	1	0	1	1	3	0
Ischemic heart disease (I20-I25)	338	0	0	0	0	0	0	0	2	2	25	50	259	0
All other forms of heart disease (I26-I51)	321	0	0	2	1	0	0	3	2	9	10	30	264	0
<b>Malignant neoplasms (C00-C97)</b>	707	0	0	0	0	0	0	2	9	28	114	209	345	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5	0	0	0	0	0	0	0	0	0	2	1	2	0
Malignant neoplasms of digestive organs (C15-C26)	156	0	0	0	0	0	0	0	3	5	22	45	81	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	191	0	0	0	0	0	0	0	1	6	29	61	94	0
Malignant neoplasms of breast (C50)	101	0	0	0	0	0	0	1	4	11	17	22	46	0
Malignant neoplasms of female genital organs, (C51-C58)	79	0	0	0	0	0	0	0	1	3	16	29	30	0
Malignant neoplasms of urinary tract (C64-C68)	30	0	0	0	0	0	0	0	0	0	4	9	17	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	13	0	0	0	0	0	0	0	0	0	4	3	6	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	53	0	0	0	0	0	0	0	0	0	9	19	25	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	79	0	0	0	0	0	0	1	0	3	11	20	44	0
<b>Cerebrovascular diseases (I60-I69)</b>	254	0	0	0	0	0	0	1	1	1	9	23	219	0

**TABLE F-21. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019  
NON-HISPANIC WHITE FEMALES - CON.**

	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>	241	0	0	0	0	0	0	1	1	6	15	50	168	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)	185	0	3	0	0	3	7	33	23	28	18	12	58	0
Nontransport Accidents (W00-X59, Y86)	20	0	0	0	0	1	2	4	1	3	2	3	4	0
<b>Diabetes mellitus (E10-E14)</b>	163	0	3	0	0	2	5	29	21	25	15	9	54	0
<b>Influenza and pneumonia (J10-J18)</b>	63	0	0	0	0	0	0	0	1	5	12	15	30	0
<b>Alzheimer's disease (G30)</b>	53	0	0	0	0	0	1	0	1	4	7	3	37	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	194	0	0	0	0	0	0	0	0	0	0	12	182	0
<b>Septicemia (A40-A41)</b>	58	0	0	0	0	0	0	0	1	4	4	12	37	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	44	1	0	0	0	0	0	0	0	3	10	8	22	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	25	0	0	0	0	0	1	5	5	8	5	1	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	39	0	0	0	0	0	0	0	2	5	10	13	9	0
<b>Aortic aneurysm and dissection (I71)</b>	30	0	0	0	0	0	0	1	0	0	4	2	23	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	14	0	0	0	0	0	0	0	0	2	1	2	9	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	5	0	0	0	0	0	0	2	0	1	1	0	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	3	3	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	5	0	0	0	0	0	0	1	2	0	0	1	1	0
<b>TOTAL</b>	728	2	2	1	1	1	10	50	65	122	305	553	2,248	0
	3,371	6	5	3	1	3	10	50	65	122	305	553	2,248	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, 2019**  
**NON-HISPANIC 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)	297	0	0	0	0	1	1	3	14	30	50	83	115	0
Hypertensive heart disease (I11)	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Hypertensive heart and renal disease (I13)	33	0	0	0	0	0	0	0	1	7	8	14	3	0
Ischemic heart disease (I20-I25)	4	0	0	0	0	0	0	0	0	2	1	1	0	0
All other forms of heart disease (I26-I51)	141	0	0	0	0	0	0	0	4	10	27	38	62	0
<b>Malignant neoplasms (C00-C97)</b>														
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	117	0	0	0	0	1	1	3	9	11	14	29	49	0
Malignant neoplasms of digestive organs (C15-C26)	367	0	0	0	0	0	0	3	9	33	83	115	124	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	4	0	0	0	0	0	0	0	0	0	2	1	1	0
Malignant neoplasms of breast (C50)	108	0	0	0	0	0	0	0	1	10	29	33	35	0
Malignant neoplasms of female genital organs, (C51-C58)	73	0	0	0	0	0	0	0	0	2	19	24	28	0
Malignant neoplasms of male genital organs, (C60-C63)	37	0	0	0	0	0	0	2	2	10	6	5	12	0
Malignant neoplasms of urinary tract (C64-C68)	34	0	0	0	0	0	0	0	4	2	10	8	10	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	29	0	0	0	0	0	0	0	0	1	5	14	9	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	15	0	0	0	0	0	0	0	0	1	3	7	4	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	5	0	0	0	0	0	0	0	0	0	3	2	0	0
<b>Cerebrovascular diseases (I60-I69)</b>														
	26	0	0	0	0	0	0	0	1	3	3	12	7	0
	36	0	0	0	0	0	0	1	1	4	3	9	18	0
	107	0	1	0	0	0	0	1	4	3	13	30	55	0

**TABLE F-22. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019  
NON-HISPANIC BLACK, BOTH SEXES - CON.**

	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>	59	0	0	1	0	1	0	0	0	0	10	19	28	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)	145	3	1	2	1	8	9	30	23	25	26	5	12	0
Nontransport Accidents (W00-X59, Y86)	104	3	1	0	0	4	3	22	17	23	18	3	10	0
<b>Diabetes mellitus (E10-E14)</b>	74	0	0	0	0	1	0	3	6	6	12	18	28	0
<b>Influenza and pneumonia (J10-J18)</b>	21	0	0	0	0	0	0	3	0	4	3	5	6	0
<b>Alzheimer's disease (G30)</b>	46	0	0	0	0	0	0	0	0	0	1	3	42	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	61	0	0	0	0	0	0	2	0	3	10	12	34	0
<b>Septicemia (A40-A41)</b>	17	1	0	0	0	0	0	1	1	3	6	3	2	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	10	0	0	0	0	2	1	3	2	1	0	1	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	12	0	0	0	0	0	0	0	2	2	2	5	1	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	21	0	0	0	0	0	0	0	0	2	3	5	11	0
<b>Aortic aneurysm and dissection (I71)</b>	6	1	0	0	0	0	0	0	3	0	0	2	0	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	40	1	0	0	0	8	6	9	11	3	0	2	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	15	0	0	0	0	0	0	2	1	3	6	3	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	16	16	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	6	4	0	0	0	0	0	0	1	0	0	1	0	0
<b>All other causes</b>	321	9	4	0	1	0	1	9	16	22	55	50	154	0
<b>TOTAL</b>	1,641	35	6	3	2	21	18	69	93	140	280	362	612	0

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, 2019**  
**NON-HISPANIC BLACK 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>	159	0	0	0	0	1	0	2	10	15	30	54	47	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)	19	0	0	0	0	0	0	0	1	6	5	6	1	0
Hypertensive heart and renal disease (I13)	2	0	0	0	0	0	0	0	0	1	1	0	0	0
Ischemic heart disease (I20-I25)	80	0	0	0	0	0	0	0	3	5	15	28	29	0
All other forms of heart disease (I26-I51)	58	0	0	0	0	1	0	2	6	3	9	20	17	0
<b>Malignant neoplasms (C00-C97)</b>	170	0	0	0	0	0	0	0	1	9	43	69	48	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	2	0	0	0	0	0	0	0	0	0	1	1	0	0
Malignant neoplasms of digestive organs (C15-C26)	64	0	0	0	0	0	0	0	0	4	20	25	15	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	39	0	0	0	0	0	0	0	0	2	11	14	12	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	1	5	14	9	0
Malignant neoplasms of urinary tract (C64-C68)	11	0	0	0	0	0	0	0	0	0	3	5	3	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	3	0	0	0	0	0	0	0	0	0	2	1	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	7	0	0	0	0	0	0	0	0	1	0	4	2	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	15	0	0	0	0	0	0	0	1	1	1	5	7	0
<b>Cerebrovascular diseases (I60-I69)</b>	57	0	1	0	0	0	0	1	1	1	8	18	27	0



**TABLE F-23. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019  
NON-HISPANIC BLACK MALES - CON.**

	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)	32	0	0	1	0	1	0	0	0	0	4	12	14	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	103	2	1	1	1	6	6	19	16	22	19	4	6	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)	28	0	0	0	1	4	3	7	4	2	5	1	1	0
Nontransport Accidents (W00-X59, Y86)	74	2	1	0	0	2	3	12	12	20	14	3	5	0
Diabetes mellitus (E10-E14)	48	0	0	0	0	0	0	2	2	4	10	11	19	0
Influenza and pneumonia (J10-J18)	13	0	0	0	0	0	0	2	0	2	3	4	2	0
Alzheimer's disease (G30)	8	0	0	0	0	0	0	0	0	0	1	0	7	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	39	0	0	0	0	0	0	2	0	3	7	8	19	0
Septicemia (A40-A41)	8	0	0	0	0	0	0	1	0	2	2	2	1	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	5	0	0	0	0	1	0	3	0	1	0	0	0	0
Chronic liver disease and cirrhosis (K70, K73-K74)	9	0	0	0	0	0	0	0	1	2	1	4	1	0
Essential hypertension and hypertensive renal disease (I10, I12)	10	0	0	0	0	0	0	0	0	1	2	4	3	0
Aortic aneurysm and dissection (I71)	3	1	0	0	0	0	0	0	2	0	0	0	0	0
Assault (homicide) (X85-Y09, Y87.1)	36	0	0	0	0	7	6	9	10	2	0	2	0	0
Human immunodeficiency virus (HIV) (B20-B24)	12	0	0	0	0	0	0	1	1	3	5	2	0	0
Certain conditions originating in the perinatal period (P00-P96)	9	9	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	2	2	0	0	0	0	0	0	0	0	0	0	0	0
All other causes	159	3	2	0	1	0	1	5	11	10	33	32	61	0
<b>TOTAL</b>	<b>882</b>	<b>17</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>16</b>	<b>13</b>	<b>47</b>	<b>55</b>	<b>77</b>	<b>168</b>	<b>226</b>	<b>255</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, 2019**  
**NON-HISPANIC BLACK FEMALES**

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>	138	0	0	0	0	0	1	1	4	15	20	29	68	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Hypertensive heart disease (I11)	14	0	0	0	0	0	0	0	0	1	3	8	2	0
Hypertensive heart and renal disease (I13)	2	0	0	0	0	0	0	0	0	1	0	1	0	0
Ischemic heart disease (I20-I25)	61	0	0	0	0	0	0	1	5	12	10	33	0	0
All other forms of heart disease (I26-I51)	59	0	0	0	0	0	1	3	8	5	9	32	0	0
<b>Malignant neoplasms (C00-C97)</b>	197	0	0	0	0	0	0	3	8	24	40	46	76	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	2	0	0	0	0	0	0	0	0	1	0	0	1	0
Malignant neoplasms of digestive organs (C15-C26)	44	0	0	0	0	0	0	1	6	9	8	20	0	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	34	0	0	0	0	0	0	0	0	8	10	16	0	0
Malignant neoplasms of breast (C50)	37	0	0	0	0	0	2	2	10	6	5	12	0	0
Malignant neoplasms of female genital organs, (C51-C58)	34	0	0	0	0	0	0	4	2	10	8	10	0	0
Malignant neoplasms of urinary tract (C64-C68)	4	0	0	0	0	0	0	0	1	0	2	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	0	1	1	0	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	19	0	0	0	0	0	0	1	2	3	8	5	0	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	21	0	0	0	0	0	0	1	0	3	2	4	11	0
<b>Cerebrovascular diseases (I60-I69)</b>	50	0	0	0	0	0	0	3	2	5	12	28	0	0

**TABLE F-24. NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH, DELAWARE, 2019  
NON-HISPANIC BLACK FEMALES - CON.**

	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)	27	0	0	0	0	0	0	0	0	0	0	6	7	14	0
Accidents (unintentional injuries) (V01-X59, Y85-Y86)	42	1	0	1	0	2	3	11	7	3	7	1	1	6	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)	12	0	0	1	0	0	3	1	2	0	3	1	1	1	0
Nontransport Accidents (W00-X59, Y86)	30	1	0	0	0	2	0	10	5	3	4	0	0	5	0
Diabetes mellitus (E10-E14)	26	0	0	0	0	1	0	1	4	2	7	9	0	0	0
Influenza and pneumonia (J10-J18)	8	0	0	0	0	0	0	1	0	2	0	1	4	0	0
Alzheimer's disease (G30)	38	0	0	0	0	0	0	0	0	0	0	3	35	0	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	22	0	0	0	0	0	0	0	0	0	3	4	15	0	0
Septicemia (A40-A41)	9	1	0	0	0	0	0	1	1	1	4	1	1	1	0
Intentional self-harm (suicide) (X60-X84, Y87.0)	5	0	0	0	0	1	1	0	2	0	0	1	0	0	0
Chronic liver disease and cirrhosis (K70, K73-K74)	3	0	0	0	0	0	0	0	1	0	1	1	0	0	0
Essential hypertension and hypertensive renal disease (I10, I12)	11	0	0	0	0	0	0	0	0	1	1	1	8	0	0
Aortic aneurysm and dissection (I71)	3	0	0	0	0	0	0	0	1	0	0	2	0	0	0
Assault (homicide) (X85-Y09, Y87.1)	4	1	0	0	0	1	0	0	1	1	0	0	0	0	0
Human immunodeficiency virus (HIV) (B20-B24)	3	0	0	0	0	0	1	0	1	0	1	1	0	0	0
Certain conditions originating in the perinatal period (P00-P96)	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	4	2	0	0	0	0	0	0	1	0	0	1	0	0	0
All other causes	162	6	2	0	0	0	0	4	5	12	22	18	93	0	0
<b>TOTAL</b>	<b>759</b>	<b>18</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>22</b>	<b>38</b>	<b>63</b>	<b>112</b>	<b>136</b>	<b>357</b>	<b>0</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-25. HIV INFECTION/AIDS<sup>1</sup> DEATHS BY COUNTY, RACE, HISPANIC<sup>2</sup> ORIGIN AND SEX, DELAWARE, 2005-2019**

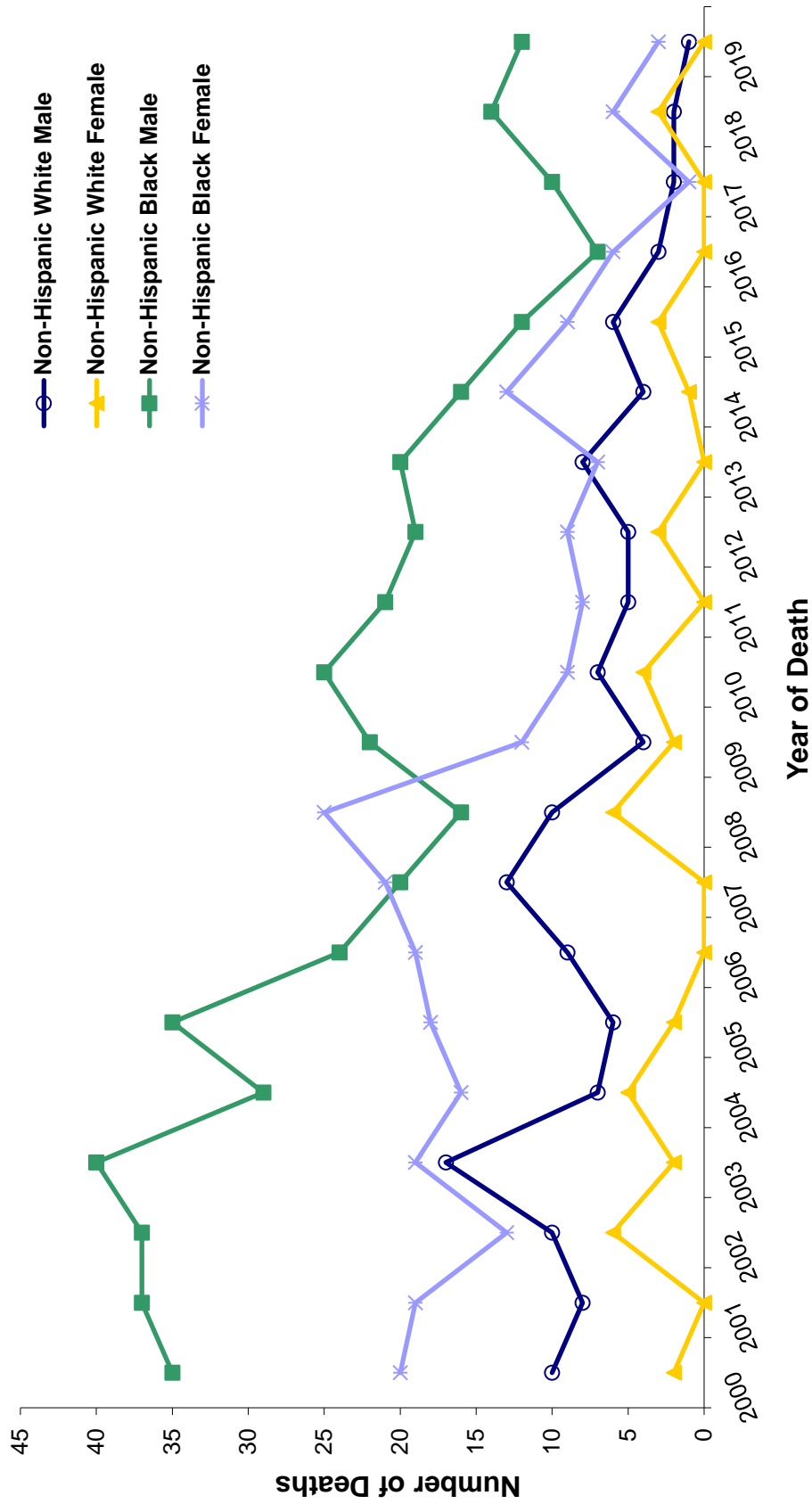
Area/ Race	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
<b>Delaware</b>	63	53	55	58	41	46	36	36	36	38	31	17	16	25	16
Males	43	33	33	27	27	33	28	24	28	24	19	10	13	16	13
Non-Hispanic White	6	9	13	10	4	7	5	5	8	4	6	3	2	2	1
Non-Hispanic Black	35	24	20	16	22	25	21	19	20	16	12	7	10	14	12
Females	20	20	22	31	14	13	8	12	8	14	12	7	3	9	3
Non-Hispanic White	2	0	0	6	2	4	0	3	0	1	3	0	0	3	0
Non-Hispanic Black	18	19	21	25	12	9	8	9	7	13	9	6	1	6	3
<b>Kent</b>	5	11	9	8	5	10	5	8	4	4	8	3	1	6	2
Males	2	7	5	2	5	6	5	6	4	2	6	1	0	3	2
Non-Hispanic White	0	1	2	1	2	2	1	2	1	0	1	0	0	0	1
Non-Hispanic Black	2	6	3	1	3	4	3	4	3	2	5	1	0	3	1
Females	3	4	4	6	0	4	0	2	0	2	2	2	1	3	0
Non-Hispanic White	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
Non-Hispanic Black	3	4	4	5	0	4	0	2	0	2	2	1	1	2	0
<b>New Castle</b>	51	34	39	42	34	31	25	27	27	27	18	9	9	17	14
Males	35	19	21	17	21	23	18	17	19	18	10	5	8	11	11
Non-Hispanic White	4	5	6	3	1	2	3	3	4	3	2	1	1	0	0
Non-Hispanic Black	29	14	15	13	19	20	14	14	15	11	7	4	7	11	11
Females	16	15	18	25	13	8	7	10	8	9	8	4	1	6	3
Non-Hispanic White	2	0	0	5	1	4	0	3	0	1	2	0	0	2	0
Non-Hispanic Black	14	14	17	20	12	4	7	7	7	8	6	4	0	4	3
Wilmington	33	19	22	29	27	19	15	15	18	21	8	3	8	6	5
Males	21	7	10	13	16	16	9	9	13	16	4	1	7	5	4
Non-Hispanic White	2	0	0	1	0	0	0	2	1	2	0	0	0	0	0
Non-Hispanic Black	19	7	10	12	15	15	9	7	12	11	4	1	7	5	4
Females	12	12	12	16	11	3	6	6	5	5	4	2	1	1	1
Non-Hispanic White	1	0	0	3	1	1	0	0	0	0	1	0	0	0	0
Non-Hispanic Black	11	11	11	13	10	2	6	6	4	5	3	2	0	1	1
Bal of NCCo	18	15	17	13	7	12	10	12	9	6	10	6	1	11	9
Males	14	12	11	4	5	7	9	8	6	2	6	4	1	6	7
Non-Hispanic White	2	5	6	2	1	2	3	1	3	1	2	1	1	0	0
Non-Hispanic Black	10	7	5	1	4	5	5	7	3	0	3	3	0	6	7
Females	4	3	6	9	2	5	1	4	3	4	4	2	0	5	2
Non-Hispanic White	1	0	0	2	0	3	0	3	0	1	1	0	0	2	0
Non-Hispanic Black	3	3	6	7	2	2	1	1	3	3	3	2	0	3	2
<b>Sussex</b>	7	8	7	8	2	5	6	1	5	7	5	5	6	2	0
Males	6	7	7	8	1	4	5	1	5	4	3	4	5	2	0
Non-Hispanic White	2	3	5	6	1	3	1	0	3	1	3	2	1	2	0
Non-Hispanic Black	4	4	2	2	0	1	4	1	2	3	0	2	3	0	0
Females	1	1	0	0	1	1	1	0	0	3	2	1	1	0	0
Non-Hispanic White	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0
Non-Hispanic Black	1	1	0	0	0	1	1	0	0	3	1	1	0	0	0
<b>Hispanic</b>	2	1	1	1	1	1	2	1	4	1	1	3	3	0	0
Males	2	0	0	1	1	1	2	0	4	1	0	1	1	0	0
Females	0	1	1	0	0	0	0	1	0	0	1	2	2	0	0

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, 2000-2019**



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, 2019**

Area/ Method of Disposition	Race							
	All Races		White Non-Hispanic		Black Non-Hispanic		Other Non-Hispanic	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	9,147	100.0	7,071	100.0	1,641	100.0	169	100.0
Burial	3,608	39.4	2,540	35.9	923	56.2	53	31.4
Cremation	5,043	55.1	4,116	58.2	680	41.4	106	62.7
Donation	185	2.0	172	2.4	7	0.4	3	1.8
Entombment	122	1.3	109	1.5	7	0.4	3	1.8
Removal from State	183	2.0	132	1.9	22	1.3	3	1.8
Unknown	6	0.1	2	0.0	2	0.1	1	0.6
<b>Kent</b>	1,660	100.0	1,198	100.0	370	100.0	40	100.0
Burial	707	42.6	466	38.9	206	55.7	15	37.5
Cremation	879	53.0	673	56.2	156	42.2	23	57.5
Donation	32	1.9	29	2.4	0	0.0	1	2.5
Entombment	11	0.7	7	0.6	2	0.5	1	2.5
Removal from State	31	1.9	23	1.9	6	1.6	0	0.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>New Castle</b>	4,872	100.0	3,555	100.0	1,051	100.0	101	100.0
Burial	1,984	40.7	1,324	37.2	574	54.6	26	25.7
Cremation	2,627	53.9	2,016	56.7	452	43.0	69	68.3
Donation	71	1.5	64	1.8	5	0.5	1	1.0
Entombment	91	1.9	82	2.3	5	0.5	2	2.0
Removal from State	95	1.9	68	1.9	14	1.3	2	2.0
Unknown	4	0.1	1	0.0	1	0.1	1	1.0
Wilmington	672	100.0	287	100.0	336	100.0	9	100.0
Burial	294	43.8	97	33.8	179	53.3	2	22.2
Cremation	343	51.0	167	58.2	151	44.9	5	55.6
Donation	7	1.0	5	1.7	1	0.3	1	11.1
Entombment	14	2.1	13	4.5	0	0.0	0	0.0
Removal from State	13	1.9	5	1.7	4	1.2	1	11.1
Unknown/Other	1	0.1	0	0.0	1	0.3	0	0.0
Balance of NC County	4,200	100.0	3,268	100.0	715	100.0	92	100.0
Burial	1,690	40.2	1,227	37.5	395	55.2	24	26.1
Cremation	2,284	54.4	1,849	56.6	301	42.1	64	69.6
Donation	64	1.5	59	1.8	4	0.6	0	0.0
Entombment	77	1.8	69	2.1	5	0.7	2	2.2
Removal from State	82	2.0	63	1.9	10	1.4	1	1.1
Unknown	3	0.1	1	0.0	0	0.0	1	1.1
<b>Sussex</b>	2,615	100.0	2,318	100.0	220	100.0	28	100.0
Burial	917	35.1	750	32.4	143	65.0	12	42.9
Cremation	1,537	58.8	1,427	61.6	72	32.7	14	50.0
Donation	82	3.1	79	3.4	2	0.9	1	3.6
Entombment	20	0.8	20	0.9	0	0.0	0	0.0
Removal from State	57	2.2	41	1.8	2	0.9	1	3.6
Unknown	2	0.1	1	0.0	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, 2002-2019**

Year	Race and Sex								
	All Races			Non-Hispanic White			Non-Hispanic Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
2019	79.0	75.9	82.2	79.1	76.1	82.2	77.0	73.1	80.8
2018	78.5	75.4	81.6	78.5	75.6	81.5	75.9	71.8	79.9
2017	78.5	75.5	81.4	78.4	75.6	81.3	75.8	72.1	79.3
2016	78.6	75.6	81.6	78.5	75.5	81.6	77.2	73.1	80.9
2015	78.6	76.0	81.2	78.5	75.8	81.1	77.2	74.5	79.6
2014	78.9	76.4	81.4	79.1	76.5	81.6	76.8	74.0	79.2
2013	78.9	76.3	81.4	78.9	76.4	81.3	77.5	74.3	80.4
2012	78.5	76.1	80.8	78.8	76.4	81.0	75.4	73.0	77.7
2011	78.3	75.9	80.6	78.3	76.1	80.4	76.6	73.4	79.6
2010	78.6	76.0	81.0	78.6	76.4	80.7	76.2	72.4	79.8
2009	78.5	76.1	80.8	78.9	76.6	81.2	75.4	72.4	78.2
2008	77.9	75.5	80.3	78.3	75.8	80.7	75.6	72.8	78.1
2007	78.4	75.7	81.0	78.8	76.2	81.4	75.9	72.8	78.8
2006	78.1	75.4	80.5	78.6	76.1	81.1	74.4	71.1	77.3
2005	77.4	74.8	79.8	77.9	75.3	80.5	73.6	70.9	76.1
2004	77.3	74.6	79.9	77.8	75.3	80.2	73.4	69.9	76.7
2003	77.1	74.3	79.8	77.9	75.2	80.5	72.4	68.8	75.8
2002	77.2	74.5	79.7	77.7	75.3	80.0	73.5	69.1	77.8

**Note:**

\*Life expectancy at birth is the average expected lifetime of people born in the listed year.

**Source:**

Delaware 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, 2019**

Age Group	Race and Sex								
	All Races			Non-Hispanic White			Non-Hispanic Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
0-5	79.0	75.9	82.2	79.1	76.1	82.2	77.0	73.1	80.8
5-10	74.7	71.5	77.8	74.4	71.3	77.5	73.1	69.1	76.9
10-15	69.7	66.5	72.9	69.4	66.3	72.5	68.2	64.2	71.9
15-20	64.7	61.6	67.9	64.5	61.4	67.6	63.2	59.3	66.9
20-25	59.9	56.8	63.0	59.5	56.4	62.6	58.6	54.9	62.1
25-30	55.2	52.1	58.2	54.8	51.8	57.8	54.0	50.3	57.3
30-35	50.6	47.8	53.3	50.3	47.4	53.1	49.4	46.0	52.5
35-40	46.1	43.4	48.8	45.9	43.2	48.5	45.0	41.7	48.1
40-45	41.7	39.1	44.3	41.5	38.9	44.0	40.9	37.6	43.8
45-50	37.3	34.7	39.7	37.0	34.6	39.4	36.6	33.4	39.3
50-55	32.9	30.5	35.1	32.7	30.4	34.9	32.3	29.4	34.9
55-60	28.6	26.3	30.7	28.4	26.2	30.5	28.1	25.2	30.7
60-65	24.5	22.5	26.4	24.3	22.4	26.1	24.3	21.6	26.6
65-70	20.7	18.9	22.3	20.5	18.8	22.0	20.7	18.3	22.7
70-75	17.1	15.5	18.4	16.8	15.2	18.1	17.6	15.7	19.0
75-80	13.6	12.3	14.7	13.2	11.9	14.4	14.6	13.4	15.5
80-85	10.6	9.5	11.5	10.3	9.1	11.2	11.9	11.0	12.5
85+	8.2	7.3	8.7	7.7	6.8	8.3	10.5	10.3	10.6

**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, 1994-2019**

Year	Area			
	Delaware	Kent	New Castle	Sussex
2019	0	0	0	0
2018	2	0	1	1
2017	1	0	1	0
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

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, 2015-2019**

LEADING CAUSES OF DEATH	AREA				NON-HISPANIC	
	DE	Kent	NCC	Sussex	White	Black
Malignant neoplasms	162.5	177.1	162.0	156.4	166.4	176.8
Diseases of the heart	155.6	179.1	148.6	154.8	157.1	167.5
Chronic lower respiratory diseases	40.2	48.9	38.6	38.4	43.9	32.2
Cerebrovascular diseases	42.8	44.3	47.8	34.3	40.3	55.9
Dementia	33.5	29.3	40.0	25.4	33.8	37.6
Accidents (unintentional injuries)	61.4	60.5	60.5	66.3	72.7	51.8
Diabetes mellitus	18.8	22.2	19.1	16.2	16.3	32.5
Alzheimer's disease	26.8	33.0	26.9	23.8	27.0	29.1
Nephritis, nephrotic syndrome, and nephrosis	15.8	19.0	16.7	13.0	13.4	30.5
Influenza and pneumonia	12.7	12.4	14.8	9.2	13.2	11.1
Septicemia	10.3	11.9	9.8	10.1	10.1	12.6
Intentional self-harm (suicide)	11.6	12.7	11.0	12.0	15.0	6.3
Other diseases of respiratory system	9.7	12.4	9.5	8.5	10.3	8.0
Chronic liver disease and cirrhosis	8.7	8.7	7.3	11.9	10.0	5.9
Certain conditions originating in the perinatal period	5.6	4.6	6.5	1.2	2.9	10.1
Assault (homicide)	7.1	6.2	8.5	3.3	2.2	22.1
Parkinson's disease	7.4	7.4	7.8	7.0	8.1	4.7
Human immunodeficiency virus (HIV)	1.9	2.2	2.0	NA	0.5	7.0
Essential hypertension and hypertensive renal disease	5.2	6.4	4.1	6.2	4.9	7.7
Pneumonitis due to solids and liquids	5.8	7.8	5.6	5.0	6.0	4.7
Aortic aneurysm and dissection	2.9	2.4	3.4	2.4	3.1	2.7
Congenital malformations, deformations, and chromosomal abnormalities	2.9	3.3	2.3	2.1	2.3	3.5

*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, 2003-2019**

Cause of Death/ Area	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
	-2007	-2008	-2009	-2010	-2011	-2012	-2013	-2014	-2015	-2016	-2017	-2018	-2019
<b>Diseases of the heart</b>													
Delaware	222.6	210.0	199.1	188.1	182.3	175.6	172.6	169.9	167.8	164.9	162.2	159.6	155.6
Kent	259.6	248.8	240.9	231.1	221.3	207.9	202.8	194.9	187.4	184.5	182.2	180.7	179.1
New Castle	215.3	200.5	187.6	175.6	169.9	162.9	160.4	158.2	156.7	154.5	151.8	149.7	148.6
Sussex	217.1	207.9	199.3	189.8	186.0	183.3	180.1	179.3	178.1	173.6	170.6	165.5	154.8
<b>Malignant neoplasms</b>													
Delaware	196.2	194.5	188.7	186.2	184.2	181.5	176.8	175.1	171.8	170.5	167.4	165.7	162.5
Kent	203.6	204.7	201.8	199.7	198.0	199.3	190.5	189.4	188.0	185.6	180.0	183.0	177.1
New Castle	193.5	193.6	187.9	185.1	185.4	182.5	177.3	174.2	170.4	167.3	166.2	162.9	162.0
Sussex	199.2	192.5	184.9	181.6	174.5	169.5	168.2	168.2	165.5	167.6	163.0	161.3	156.6
<b>Cerebrovascular diseases</b>													
Delaware	43.1	40.8	41.0	40.4	40.1	39.8	39.6	38.8	38.6	38.7	40.1	41.7	42.8
Kent	42.1	39.1	40.9	38.7	36.4	38.5	38.3	37.3	38.0	40.1	40.4	42.5	44.3
New Castle	48.3	45.7	45.4	44.7	44.8	43.7	44.1	43.3	42.9	42.4	44.1	46.0	47.8
Sussex	32.7	31.6	32.1	33.1	33.4	33.3	31.9	31.8	31.4	31.6	33.3	34.6	34.3
<b>Chronic lower respiratory diseases</b>													
Delaware	40.8	42.6	43.3	42.8	44.0	43.8	42.9	42.2	41.9	41.8	41.9	41.3	40.2
Kent	50.2	54.2	54.6	53.4	54.2	54.3	48.9	47.4	47.7	47.6	46.9	49.0	48.9
New Castle	39.6	41.7	42.1	41.5	43.0	42.2	41.3	40.7	40.3	39.3	39.5	39.3	38.6
Sussex	38.4	38.5	39.7	39.5	40.8	41.1	42.5	42.5	42.0	43.2	44.0	41.0	38.4
<b>Diabetes mellitus</b>													
Delaware	24.5	23.3	22.6	21.2	21.4	21.2	20.6	20.4	20.1	19.3	18.7	18.6	18.8
Kent	28.5	28.0	28.2	25.8	24.5	23.1	22.8	20.5	20.4	21.3	22.5	21.6	22.2
New Castle	24.6	23.5	22.5	21.4	22.2	22.3	21.4	21.3	20.4	18.7	17.9	18.6	19.1
Sussex	22.0	20.4	19.6	18.0	18.0	18.2	17.8	18.8	19.4	18.9	17.6	16.5	16.2
<b>Influenza and pneumonia</b>													
Delaware	15.7	15.5	14.7	13.8	13.2	13.0	12.9	13.0	13.5	13.0	13.7	13.6	12.7
Kent	17.9	17.2	16.0	14.9	13.6	14.1	13.5	14.0	13.9	13.7	13.2	13.5	12.4
New Castle	13.3	14.0	14.1	13.9	13.9	13.7	13.5	13.8	14.7	14.3	15.7	16.0	14.8
Sussex	19.4	17.4	14.9	12.7	11.9	11.1	11.3	10.8	11.0	10.4	10.5	9.5	9.3
<b>Alzheimer's disease</b>													
Delaware	20.4	21.0	20.5	20.7	20.4	20.1	19.3	19.1	19.2	20.6	22.6	25.3	26.8
Kent	15.9	18.0	18.8	20.5	22.8	22.7	22.0	20.2	21.2	22.0	23.8	29.7	33.0
New Castle	19.2	18.5	17.9	17.9	16.2	16.1	16.5	17.5	18.3	21.3	23.7	26.1	26.9
Sussex	25.6	27.9	27.0	27.0	27.7	26.9	23.6	21.6	19.9	18.8	20.1	21.8	23.8
<b>Nephritis, nephrotic syndrome, and nephrosis</b>													
Delaware	15.8	16.6	17.1	17.3	16.9	16.0	15.4	14.8	14.7	15.0	15.7	15.7	15.8
Kent	16.4	15.6	17.2	15.8	16.2	15.9	15.2	14.0	15.3	16.3	18.3	19.5	0.0
New Castle	15.3	16.5	17.8	18.4	18.7	18.5	17.0	16.2	15.7	15.5	16.2	16.2	0.0
Sussex	14.3	13.9	15.4	15.0	14.8	14.6	14.7	12.8	12.3	12.1	12.8	12.0	13.0
<b>Septicemia</b>													
Delaware	13.8	13.5	13.0	12.3	11.9	11.7	11.8	11.8	12.1	12.3	12.1	11.1	10.3
Kent	17.8	17.9	17.0	17.6	16.9	16.0	16.6	17.0	16.1	16.1	15.7	13.2	11.9
New Castle	14.2	14.0	13.5	12.2	11.8	11.1	11.1	11.2	11.4	11.7	11.6	10.6	9.8
Sussex	10.9	10.1	9.9	9.3	9.0	9.9	10.0	9.7	11.0	11.2	11.1	10.8	10.1

**TABLE F-31. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 2003-2019 - CONTINUED**

Cause of Death/ Area	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>Intentional self-harm (suicide)</b>													
Delaware	10.5	10.6	10.7	11.1	11.2	11.8	12.0	12.3	12.5	12.6	12.3	12.0	11.6
Kent	9.8	10.3	11.3	11.3	11.4	12.5	13.2	14.1	14.2	14.0	13.5	13.3	12.7
New Castle	10.4	10.3	10.1	10.2	10.6	11.1	11.2	11.4	11.9	11.9	11.6	11.3	11.0
Sussex	11.2	11.9	12.1	13.5	13.1	13.4	12.8	13.2	12.6	12.9	12.7	12.7	12.1
<b>Chronic liver disease and cirrhosis</b>													
Delaware	8.6	8.1	8.2	8.4	8.5	8.4	8.0	8.2	8.4	8.2	8.6	8.8	8.7
Kent	9.7	8.7	9.2	9.4	9.7	8.5	7.9	8.2	8.5	8.2	9.0	9.4	8.7
New Castle	8.0	7.6	7.3	7.6	7.3	7.5	7.1	7.0	7.1	6.8	7.1	7.2	7.3
Sussex	9.3	8.8	9.2	9.5	10.3	10.2	10.0	10.5	11.1	11.2	11.6	12.2	11.9
<b>Assault (homicide)</b>													
Delaware	5.0	5.9	6.0	6.1	6.0	6.4	6.1	6.4	6.6	6.9	6.9	7.1	7.1
Kent	3.6	4.5	4.0	4.2	3.9	3.9	3.8	4.6	5.1	5.6	5.9	5.9	6.2
New Castle	5.9	7.0	7.3	7.4	7.3	8.0	7.7	7.9	8.1	8.4	8.3	8.4	8.5
Sussex	2.9	3.2	3.6	3.5	3.7	3.5	3.0	3.1	2.8	3.1	3.0	3.7	3.5
<b>Certain conditions originating in the perinatal period</b>													
Delaware	7.3	7.1	7.3	6.5	6.5	6.6	6.2	5.9	6.7	6.6	6.1	5.8	5.6
Kent	5.2	4.9	5.4	4.2	4.8	5.6	5.1	4.4	5.4	5.2	4.2	4.2	4.6
New Castle	8.3	8.1	8.4	7.7	8.0	8.1	7.6	7.3	7.8	7.6	7.1	6.6	6.5
Sussex	6.6	6.3	6.0	4.9	3.7	2.9	3.1	3.3	4.1	4.4	4.4	4.1	3.5
<b>Congenital malformations</b>													
Delaware	2.9	2.9	2.7	3.0	2.9	3.0	3.1	3.0	2.9	2.8	2.8	2.9	2.9
Kent	2.8	3.2	2.8	3.4	3.2	3.1	2.9	3.0	3.4	3.1	3.1	3.0	3.3
New Castle	2.8	2.7	2.6	2.7	2.8	3.0	3.0	2.8	2.6	2.4	2.3	2.4	2.3
Sussex	3.5	3.1	2.7	3.3	3.1	3.1	3.6	3.3	3.2	3.4	3.7	3.8	4.1
<b>Human immunodeficiency virus (HIV)</b>													
Delaware	7.3	6.6	6.1	5.6	5.1	4.5	4.0	3.8	3.4	3.0	2.6	2.3	1.9
Kent	5.9	5.7	5.3	5.7	4.8	4.4	3.7	3.4	3.1	2.9	2.2	2.4	2.2
New Castle	9.0	7.8	7.2	6.4	6.0	5.5	4.9	4.5	4.0	3.4	2.8	2.5	2.0
Sussex	3.4	3.9	3.8	3.4	3.1	2.5	---	2.3	2.2	2.0	2.3	2.0	---
<b>Accidents (unintentional injuries)</b>													
Delaware	35.1	36.0	36.4	37.3	36.9	37.8	38.5	40.2	41.9	45.5	50.5	55.4	61.4
Kent	39.6	39.8	38.2	37.8	35.3	38.1	39.4	43.6	46.0	51.5	53.6	57.0	60.5
New Castle	31.8	33.0	33.5	34.5	34.6	35.0	36.0	37.7	39.7	42.3	48.6	54.0	60.5
Sussex	42.3	44.7	45.6	47.3	46.7	46.9	46.1	45.3	46.1	52.0	55.4	59.8	67.2
<b>Essential hypertension and hypertensive renal disease</b>													
Delaware	6.6	6.3	5.7	5.4	5.4	5.2	5.4	5.0	4.9	4.9	4.9	4.7	5.2
Kent	7.8	7.7	7.5	7.3	7.2	7.5	7.9	7.4	6.5	6.3	5.7	5.6	6.4
New Castle	7.0	6.5	5.8	5.3	5.3	4.9	4.8	4.4	4.2	4.3	4.3	4.0	4.1
Sussex	4.9	4.9	4.7	4.7	4.6	4.5	5.3	4.9	5.2	5.3	5.5	5.2	6.2
<b>Aortic aneurysm and dissection</b>													
Delaware	4.6	3.9	3.6	3.4	3.3	3.4	3.2	3.1	3.0	2.9	2.9	2.8	2.9
Kent	5.4	3.9	2.9	2.7	2.7	3.4	4.1	4.3	4.1	3.9	2.9	2.2	2.4
New Castle	3.9	3.3	3.3	3.2	3.4	3.5	3.1	2.8	2.8	2.8	3.2	3.3	3.4
Sussex	5.9	5.2	4.6	4.0	3.7	3.1	2.8	2.8	2.7	2.7	2.5	2.3	2.4

**TABLE F-31. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY COUNTY, DELAWARE, 2003-2019 - CONTINUED**

Cause of Death/ Area	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>Pneumonitis due to solids and liquids</b>													
Delaware	6.7	5.7	5.6	5.2	5.0	4.7	4.6	4.5	5.0	5.2	5.4	5.7	5.8
Kent	3.8	3.4	3.4	3.0	3.3	3.5	3.5	3.8	4.2	5.4	6.6	7.8	7.8
New Castle	6.8	5.7	5.4	4.9	4.8	4.6	4.8	4.6	5.4	5.5	5.6	5.5	5.6
Sussex	7.9	7.2	7.1	6.8	6.5	5.7	5.2	4.9	4.7	4.5	4.5	4.8	5.0
<b>Other diseases of respiratory system</b>													
Delaware	9.0	9.3	9.1	9.1	9.4	9.8	9.7	9.8	9.6	9.3	9.0	9.6	9.7
Kent	10.4	10.3	10.4	11.1	11.5	11.8	11.9	11.5	10.9	10.8	10.7	12.0	12.4
New Castle	8.4	9.2	8.8	8.6	9.5	10.4	9.8	10.2	10.0	9.3	8.6	9.3	9.5
Sussex	9.2	9.0	9.1	9.2	8.1	7.5	8.4	8.0	8.2	8.6	8.5	8.7	8.6
<b>Parkinson's disease</b>													
Delaware	5.9	5.9	5.9	5.6	6.1	6.3	6.7	7.1	7.3	6.9	7.2	7.5	7.4
Kent	4.3	4.4	5.5	5.0	5.1	5.2	5.3	5.2	6.0	5.8	6.7	8.0	7.4
New Castle	6.6	6.5	6.2	5.8	6.3	6.4	7.2	7.7	7.8	7.3	7.6	7.6	7.8
Sussex	5.3	5.7	5.6	5.4	6.3	6.6	6.8	7.0	7.2	6.8	6.9	7.1	7.0
<b>Dementia</b>													
Delaware	21.1	26.6	32.7	37.8	40.5	43.6	43.1	42.7	41.4	39.7	36.5	35.7	33.5
Kent	15.3	20.6	26.5	30.5	36.0	40.5	41.6	40.6	42.0	38.7	33.9	31.2	29.3
New Castle	25.8	33.3	40.6	46.2	48.5	50.3	48.8	47.7	46.0	44.6	41.1	41.3	40.0
Sussex	14.1	15.9	19.7	24.9	27.1	32.0	33.3	34.9	33.1	32.1	30.1	29.0	25.4

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.

**TABLE F-32. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX, DELAWARE, 2003-2019**

Cause of Death/ Race-Sex	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>Diseases of the heart</b>													
Non-Hispanic White	218.4	207.2	197.4	187.1	182.3	175.5	172.6	170.0	168.6	165.1	163.1	159.8	157.1
Male	273.0	261.1	247.5	235.2	230.4	221.6	216.9	215.7	215.4	212.5	210.6	208.0	205.0
Female	175.9	166.2	158.5	149.9	144.8	139.2	137.2	133.9	131.3	127.1	125.4	121.3	118.8
Non-Hispanic Black	264.4	240.4	221.7	208.8	196.1	194.0	191.6	190.0	183.9	178.7	177.9	177.9	167.5
Male	242.9	219.0	201.7	197.0	189.8	178.6	175.7	170.1	166.9	166.6	167.6	177.0	174.1
Female	224.6	205.4	191.8	172.8	160.0	163.1	163.1	163.4	158.5	158.0	149.1	140.8	128.9
<b>Malignant neoplasms</b>													
Non-Hispanic White	196.4	196.4	190.2	188.2	186.9	183.0	178.2	176.7	173.9	173.2	170.7	169.8	166.4
Male	239.3	238.5	229.2	227.6	221.1	217.6	212.8	210.3	206.4	208.8	207.2	205.0	203.0
Female	167.5	167.7	162.9	160.1	161.7	158.4	153.4	152.7	150.4	147.1	143.5	143.4	139.0
Non-Hispanic Black	217.6	206.6	202.3	198.0	195.3	200.7	196.7	194.2	188.8	185.5	182.9	180.4	176.8
Male	237.8	222.7	219.1	215.4	213.8	212.4	208.0	201.2	183.4	178.3	177.5	175.2	168.6
Female	181.0	174.6	169.3	164.6	161.6	169.4	166.0	167.4	170.6	167.1	164.7	161.0	160.4
<b>Cerebrovascular diseases</b>													
Non-Hispanic White	40.5	38.2	38.3	38.0	38.1	37.9	37.4	37.1	36.7	36.1	37.3	39.2	40.3
Male	40.1	36.8	35.6	34.6	36.7	37.6	37.3	37.4	37.1	35.9	37.3	40.0	42.0
Female	40.2	38.7	39.6	39.7	38.6	37.8	37.3	36.9	36.3	36.2	36.9	38.2	38.5
Non-Hispanic Black	59.2	57.4	57.3	54.7	51.6	51.2	50.8	47.9	48.3	52.0	54.2	54.7	55.9
Male	64.7	64.6	64.8	62.7	61.2	58.1	56.4	56.4	54.9	59.1	64.9	65.5	68.6
Female	55.2	52.3	52.0	48.2	44.4	46.2	46.6	42.1	44.1	47.4	47.2	47.8	47.7
<b>Chronic lower respiratory diseases</b>													
Non-Hispanic White	42.8	44.6	45.6	45.2	46.7	46.3	45.6	45.1	44.9	44.8	45.3	44.9	43.9
Male	46.6	49.5	49.5	47.5	48.3	46.6	44.8	44.7	46.9	46.1	47.4	47.0	44.6
Female	40.2	41.0	42.8	43.4	45.4	46.3	46.5	45.6	43.8	44.1	43.6	43.4	43.3
Non-Hispanic Black	31.4	33.5	32.8	33.1	34.4	36.3	34.6	33.8	33.9	33.7	33.3	32.5	32.2
Male	45.5	50.5	48.0	47.0	47.6	47.1	43.2	41.3	42.1	39.6	40.1	38.4	39.5
Female	23.2	24.1	24.3	25.2	26.3	29.5	29.0	28.8	28.8	30.2	29.3	28.9	27.5
<b>Diabetes mellitus</b>													
Non-Hispanic White	21.4	20.3	19.8	18.3	18.0	18.2	17.6	17.3	17.2	16.9	16.3	16.1	16.3
Male	26.4	24.8	23.7	22.1	21.5	21.3	21.6	21.2	21.3	21.2	19.7	18.9	20.2
Female	17.9	17.0	16.6	15.0	14.8	15.2	14.1	13.9	13.8	13.4	13.7	13.8	13.3
Non-Hispanic Black	45.9	43.8	40.8	38.7	41.4	39.5	39.5	39.6	37.5	33.5	32.4	32.3	32.5
Male	48.2	49.7	45.1	43.7	44.0	41.9	43.1	46.3	45.2	43.3	45.0	44.8	46.9
Female	44.3	39.7	37.2	34.5	38.3	36.8	36.9	35.1	33.0	27.6	24.4	24.0	22.9
<b>Influenza and pneumonia</b>													
Non-Hispanic White	15.9	15.6	15.0	14.0	13.4	13.2	13.2	13.1	13.9	13.7	14.4	14.0	13.2
Male	19.5	18.9	18.2	17.3	16.3	16.0	15.8	15.0	15.9	15.8	16.8	17.0	16.1
Female	13.6	13.6	13.0	11.9	11.5	11.3	11.5	11.9	12.6	12.2	12.5	11.7	11.1
Non-Hispanic Black	15.5	15.1	12.6	12.0	12.4	12.9	12.4	13.9	13.2	11.7	11.8	12.2	11.1
Male	24.2	24.0	18.0	17.1	16.8	14.5	14.3	15.3	14.6	13.0	15.2	15.3	15.0
Female	11.1	10.6	9.9	9.3	9.7	11.5	11.1	13.0	12.3	11.0	10.0	10.5	8.6

**TABLE F-32. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX, DELAWARE, 2003-2019 - CONTINUED**

Cause of Death/ Race-Sex	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>Alzheimer's disease</b>													
Non-Hispanic White	20.9	21.6	21.2	21.1	20.8	20.3	19.2	18.9	19.3	20.3	22.3	25.3	27.0
Male	18.1	18.8	18.8	18.2	17.1	16.4	16.0	15.4	16.5	18.4	21.1	23.6	24.9
Female	22.4	23.2	22.4	22.7	23.0	22.6	22.1	21.1	20.9	21.4	23.0	26.3	28.3
Non-Hispanic Black	15.6	14.7	15.4	17.5	18.7	20.8	22.1	21.6	21.4	24.3	25.5	28.1	29.1
Male	13.2	12.6	12.2	13.6	14.0	14.0	16.0	15.3	16.3	20.2	20.1	22.1	21.9
Female	16.4	15.5	16.7	19.2	21.0	24.1	24.9	24.3	23.4	25.9	28.0	30.8	32.7
<b>Nephritis, nephrotic syndrome, and nephrosis</b>													
Non-Hispanic White	13.7	14.5	14.8	14.9	14.8	14.1	13.6	13.0	12.8	13.1	13.4	13.3	13.4
Male	18.1	18.6	18.4	18.5	17.7	16.5	16.1	15.5	15.3	16.1	16.9	17.4	17.5
Female	10.7	11.6	12.3	12.5	12.9	12.5	11.8	11.2	10.9	11.1	11.0	10.6	10.6
Non-Hispanic Black	30.2	31.8	32.6	31.9	30.6	28.3	26.2	26.7	27.1	27.2	29.9	30.9	30.5
Male	39.9	40.8	39.7	39.1	38.4	33.8	30.9	33.6	34.4	34.9	39.7	41.6	42.8
Female	24.8	26.6	27.8	27.2	26.0	24.9	23.4	23.1	23.1	23.2	24.8	24.8	22.9
<b>Septicemia</b>													
Non-Hispanic White	12.5	12.5	11.8	11.3	11.3	11.3	11.3	11.5	11.8	12.2	11.9	10.9	10.1
Male	14.8	14.5	13.0	12.6	12.7	12.0	12.5	13.2	13.1	13.8	13.4	12.8	11.8
Female	10.8	11.2	11.0	10.4	10.3	10.8	10.5	10.5	11.1	11.1	11.0	9.6	9.0
Non-Hispanic Black	21.8	20.0	19.7	18.1	15.8	15.6	15.2	14.5	15.5	15.1	14.6	13.9	12.6
Male	21.0	18.6	18.3	17.1	15.7	16.5	14.8	15.4	17.8	18.1	17.4	18.2	16.1
Female	22.2	20.6	20.4	18.3	15.8	14.8	15.4	14.0	14.7	13.8	13.2	11.6	10.8
<b>Intentional self-harm (suicide)</b>													
Non-Hispanic White	12.8	12.9	13.1	13.7	14.1	14.9	15.4	16.0	16.2	16.2	16.1	15.7	15.0
Male	20.4	20.8	21.3	22.2	22.6	24.3	24.7	25.9	25.7	26.2	26.5	26.3	24.6
Female	5.9	5.4	5.4	5.7	6.2	6.0	6.7	6.9	7.4	7.1	6.6	5.8	6.1
Non-Hispanic Black	4.7	5.5	5.5	5.3	5.1	5.6	5.0	4.3	5.4	5.7	5.5	6.0	6.3
Male	8.5	9.8	10.7	10.2	9.6	10.3	9.8	7.8	8.8	9.4	9.4	10.2	10.0
Female	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Chronic liver disease and cirrhosis</b>													
Non-Hispanic White	9.1	8.7	8.9	9.0	9.2	9.1	8.7	8.9	9.2	9.1	9.5	9.9	10.0
Male	12.1	11.9	12.5	12.9	13.2	13.4	12.9	12.9	13.3	12.3	12.8	13.2	13.0
Female	6.6	5.9	5.7	5.5	5.6	5.2	4.9	5.2	5.6	6.1	6.6	7.0	7.3
Non-Hispanic Black	6.4	6.3	6.1	6.7	6.6	6.6	6.1	6.0	6.0	5.4	5.8	6.1	5.9
Male	10.5	10.7	9.6	11.0	11.3	10.6	9.5	9.9	9.1	7.1	8.2	8.2	8.3
Female	---	---	---	---	---	---	---	---	3.8	4.2	4.2	4.5	4.0
<b>Assault (homicide)</b>													
Non-Hispanic White	2.1	2.4	2.5	2.4	2.6	2.8	2.9	2.7	2.5	2.5	2.3	2.1	2.2
Male	2.8	3.2	3.3	3.0	3.3	3.8	3.7	3.5	3.3	3.6	3.1	3.0	2.9
Female	1.5	1.6	1.8	1.8	1.9	1.8	2.2	1.8	1.8	1.5	1.4	1.2	1.5
Non-Hispanic Black	14.3	16.6	16.7	17.0	16.0	17.2	16.0	17.7	19.0	20.4	21.2	22.4	22.1
Male	26.6	31.3	31.9	32.7	30.7	32.6	29.7	32.7	35.5	37.2	38.2	39.5	39.1
Female	---	---	---	---	---	---	---	---	---	4.7	5.0	6.2	5.9

**TABLE F-32. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX, DELAWARE, 2003-2019 - CONTINUED**

Cause of Death/ Race-Sex	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>Certain conditions originating in the perinatal period</b>													
Non-Hispanic White	4.6	4.5	4.3	3.8	3.8	3.5	3.1	3.1	3.8	3.5	3.1	3.1	2.9
Male	5.0	4.9	5.0	4.4	4.5	4.2	3.5	3.7	4.0	3.6	3.3	3.2	3.0
Female	4.3	4.1	3.6	3.2	3.0	2.8	2.6	2.5	3.5	3.3	3.0	3.0	2.7
Non-Hispanic Black	15.2	15.2	16.2	14.4	14.5	14.9	14.3	12.3	12.8	12.2	10.9	10.1	10.1
Male	16.5	15.6	17.0	15.0	14.7	15.8	16.9	14.4	14.4	14.4	12.0	10.8	11.1
Female	13.8	14.9	15.3	13.7	14.3	14.0	11.6	10.5	11.2	10.0	9.7	9.5	9.0
<b>Congenital malformations</b>													
Non-Hispanic White	2.8	2.8	2.5	3.1	3.0	3.1	3.3	3.2	2.8	2.5	2.5	2.3	2.3
Male	3.0	2.7	2.2	2.8	2.4	2.4	2.6	2.6	2.3	2.4	2.3	1.9	1.9
Female	2.5	2.9	2.8	3.4	3.7	3.9	4.1	3.8	3.4	2.5	2.8	2.7	2.6
Non-Hispanic Black	3.1	3.1	2.7	2.6	2.5	2.7	2.4	2.7	3.2	3.2	3.0	3.7	3.5
Male	3.0	2.7	2.2	2.8	2.4	2.4	2.6	2.6	2.3	2.4	2.3	1.9	1.9
Female	2.5	2.9	2.8	3.4	3.7	3.9	4.1	3.8	3.4	2.5	2.8	2.7	2.6
<b>Human immunodeficiency virus (HIV)</b>													
Non-Hispanic White	2.1	1.9	1.7	1.8	1.7	1.5	1.2	1.1	1.0	0.9	0.7	0.6	0.5
Male	3.6	3.1	2.9	2.9	2.6	2.0	1.7	1.7	1.5	1.4	1.2	---	---
Female	---	---	---	---	---	---	---	---	---	---	---	---	---
Non-Hispanic Black	29.7	26.5	24.2	21.4	19.5	17.5	15.7	14.8	12.9	11.1	9.5	8.5	7.0
Male	40.6	33.1	29.8	26.7	25.4	24.3	24.7	22.8	19.0	15.4	13.7	11.7	10.5
Female	20.8	21.5	19.8	17.4	14.9	12.1	8.4	8.4	8.1	7.7	6.2	6.0	4.2
<b>Accidents (unintentional injuries)</b>													
Non-Hispanic White	37.1	39.4	40.7	42.1	42.9	44.5	45.4	47.3	49.2	53.9	59.8	65.9	72.7
Male	51.9	54.3	57.0	57.2	58.1	59.7	60.6	62.6	66.2	73.7	81.2	91.2	102.0
Female	23.6	25.7	25.9	28.3	28.9	30.7	31.6	33.3	33.4	35.4	39.5	42.0	45.2
Non-Hispanic Black	25.6	23.9	24.4	26.3	24.7	26.1	27.1	28.7	30.5	34.7	40.4	44.7	51.8
Male	36.8	33.9	35.7	37.6	36.7	38.7	40.2	42.2	44.6	52.5	61.3	67.7	79.1
Female	16.3	15.2	15.1	16.7	15.2	15.2	15.8	16.9	17.9	18.8	22.0	24.7	28.0
<b>Essential hypertension and hypertensive renal disease</b>													
Non-Hispanic White	5.5	5.0	4.8	4.7	4.7	4.6	5.0	4.6	4.4	4.4	4.4	4.2	4.9
Male	5.1	4.7	4.8	4.4	4.0	4.1	4.5	3.9	4.1	4.6	4.5	4.3	5.5
Female	5.6	5.1	4.6	4.5	4.8	4.7	5.2	4.9	4.5	4.2	4.3	4.0	4.3
Non-Hispanic Black	14.3	14.6	11.8	9.9	9.2	8.8	7.7	7.6	7.5	8.3	7.6	7.5	7.7
Male	19.9	17.8	11.8	10.2	9.9	9.3	7.9	8.5	7.4	8.4	7.2	8.2	8.1
Female	10.7	12.1	10.9	8.9	8.0	7.8	7.0	6.7	7.3	8.1	7.9	7.1	7.1
<b>Aortic aneurysm and dissection</b>													
Non-Hispanic White	4.6	3.9	3.6	3.4	3.4	3.4	3.2	3.1	3.1	3.0	3.0	3.1	3.1
Male	6.5	5.8	5.4	5.0	4.6	4.5	4.0	4.1	4.0	4.1	4.4	4.5	4.3
Female	3.1	2.4	2.3	2.0	2.3	2.6	2.5	2.3	2.4	2.1	1.9	1.9	2.2
Non-Hispanic Black	5.1	4.1	3.7	3.7	3.5	3.2	3.8	3.3	3.0	3.5	3.6	2.8	2.7
Male	---	---	---	---	---	---	---	---	---	---	---	---	---
Female	---	---	---	---	---	---	---	---	---	---	---	---	---

**TABLE F-32. FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX, DELAWARE, 2003-2019 - CONTINUED**

Cause of Death/ Race-Sex	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013	2010 -2014	2011 -2015	2012 -2016	2013 -2017	2014 -2018	2015 -2019
<b>Pneumonitis due to solids and liquids</b>													
Non-Hispanic White	6.4	5.7	5.5	5.2	5.1	4.8	4.7	4.6	5.2	5.4	5.7	5.8	6.0
Male	7.9	6.8	6.8	6.5	6.7	6.6	7.0	7.1	7.7	8.2	8.3	8.4	8.4
Female	5.4	4.9	4.6	4.2	4.0	3.6	3.2	3.0	3.6	3.6	4.0	4.1	4.4
Non-Hispanic Black	8.0	5.5	5.6	4.4	4.0	3.2	4.4	4.7	4.0	4.6	4.9	5.4	4.7
Male	12.1	---	---	---	---	---	8.2	8.6	---	7.4	8.7	8.2	6.9
Female	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Other diseases of respiratory system</b>													
Non-Hispanic White	9.3	9.5	9.2	9.1	9.3	10.0	10.2	10.2	10.0	9.8	9.2	10.0	10.3
Male	11.4	10.9	10.8	10.8	10.4	12.0	12.8	12.8	12.3	12.0	11.6	12.1	12.3
Female	7.8	8.5	8.1	7.8	8.3	8.4	8.2	8.2	8.2	8.1	7.4	8.5	8.8
Non-Hispanic Black	7.3	9.1	9.7	10.1	10.4	9.4	7.8	8.6	8.7	7.7	8.2	8.8	8.0
Male	9.5	11.2	12.5	13.5	14.5	13.2	12.4	13.4	11.6	10.1	9.9	9.6	6.9
Female	5.8	7.8	8.2	8.1	8.0	7.4	5.2	5.6	6.9	6.0	7.1	8.3	8.8
<b>Parkinson's disease</b>													
Non-Hispanic White	6.3	6.4	6.4	6.2	6.8	6.9	7.5	7.8	8.1	7.7	8.0	8.2	8.1
Male	9.4	9.3	8.9	8.5	8.7	8.9	9.9	10.7	11.0	11.1	11.7	12.3	12.5
Female	4.4	4.8	5.0	4.8	5.6	5.7	5.9	5.9	6.1	5.4	5.5	5.4	5.1
Non-Hispanic Black	---	---	---	---	---	---	---	---	3.5	3.1	3.8	5.3	4.7
Male	---	---	---	---	---	---	---	---	---	---	---	8.8	8.6
Female	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Dementia</b>													
Non-Hispanic White	20.1	25.8	32.0	37.4	40.4	43.8	43.5	43.1	41.6	40.0	36.7	35.7	33.8
Male	16.6	21.5	27.1	32.0	34.3	37.4	37.6	37.5	35.4	33.9	30.7	29.4	27.3
Female	22.0	28.0	34.6	40.2	43.5	46.9	46.4	45.9	45.0	43.3	40.0	39.2	37.4
Non-Hispanic Black	30.6	35.0	38.5	42.5	45.1	45.9	45.7	46.2	46.0	44.5	40.3	40.6	37.6
Male	29.1	35.4	40.8	42.9	41.4	43.0	44.1	43.9	44.3	44.9	44.4	43.3	40.2
Female	31.0	34.7	36.8	41.8	46.5	46.9	45.6	46.8	46.2	43.7	37.6	38.8	35.5

**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 are the source documents for Delaware resident vital events data. A copy of each type of certificate is included as Appendices F, G and H.

The cut-off date for data in this report was October 31<sup>st</sup>. If a certificate was filed after this date, the data pertaining to that event will not be included in this report, but will be available directly from the Delaware Health Statistics Center (DHSC). Due to the update and addition of records filed after the close of this report, discrepancies may be found between this report and data issued directly from DHSC. The data received directly from DHSC should be considered the most current and accurate data available.

This report also includes Delaware resident births and deaths that occurred in another state. The inclusion of these data is made possible by the State and Territorial Exchange of Vital Events (STEVE) system created by the National Association for Public Health Statistics and Information (NAPHSIS). States not using STEVE to share vital event data with other states and the National Center for Health Statistics (NCHS) agree to send copies of resident certificates.

**MARRIAGES AND DIVORCES:** Each of Delaware's three counties has a state office for filing marriage certificates. The Office of Vital Statistics in the Division of Public Health's central office in Dover uploads all of the certificate data into the Electronic Vital Record System (EVRS). 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:** As of January 1, 1997, all induced terminations of pregnancy (ITOP) are required to be reported to the Department. Reports of induced termination of pregnancy are filed directly with the DHSC and are only used for statistical purposes. Once all reports for the data year are coded, they are shredded and discarded. ITOP records are not exchanged among the States, therefore 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 include the combination of live births, fetal deaths, and ITOPs, thereby producing comprehensive information regarding pregnancies and pregnancy outcomes. As a result, pregnancy rates can give a better understanding as to why the live birth rate in either two or more geographical areas or within the same area at different points of time are different. The pregnancy rate can determine if the differences are due to the rate of pregnancy, the differences in pregnancy outcomes (i.e., live birth, fetal death, or ITOP) or a combination of these factors. 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. 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 both the query and field programs related to improving the quality of information received on vital records.

The query program is a system used to correspond with hospital and clinic personnel, funeral directors and/or physicians concerning data quality problems. 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/conferences for participants and their associations.

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 two 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, when the weight is unattainable, or when 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 vital events are classified geographically 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. Allocation of

place of residence depends entirely on a statement of the usual place of residence furnished by the informant at the time the original certificate is completed. 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.

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.

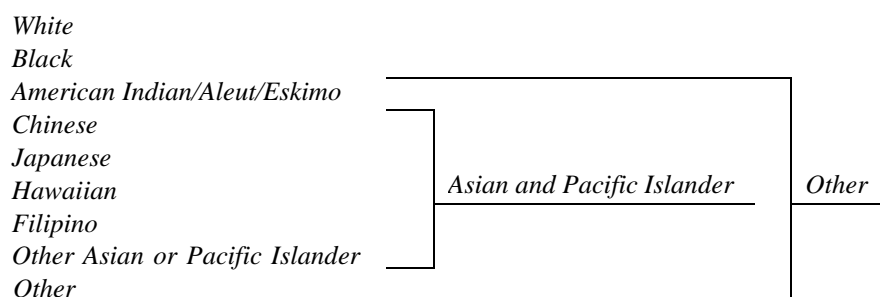
All statistics are subject to random variation.<sup>1</sup> Rates based on a relatively small number of events tend to be subject to more random variation than rates based on a large number of events.

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. 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*.

<sup>1</sup> See Appendix A for details.

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 race of the mother in most tables throughout this report. However, some tables containing historical birth data prior to 1989 are reported by race of child. For these tables, race of 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 race of the mother and 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, 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:

$$R_1 \pm 1.96 * SE$$

$$\text{where } SE(R_1) = R_1 * \frac{RSE(R_1)}{100}$$

$$\text{and } RSE(R_1) = 100 * \sqrt{\left(\frac{1}{D} + \frac{1}{B}\right)}$$

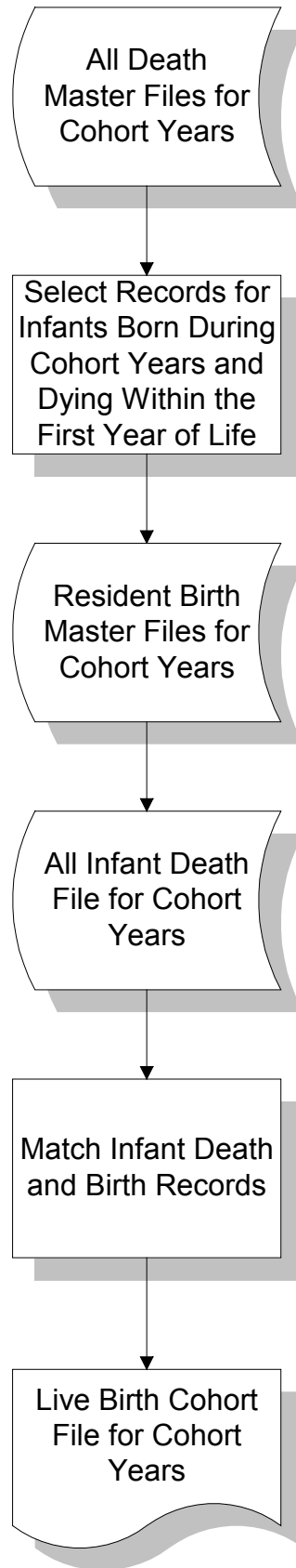
*Comparison of two infant mortality rates* - When the number of events for one or both of the rates was less than 100, comparisons between rates were based on the confidence intervals for each. If they overlapped, the difference was not significant. When the number of events for both rates was 100 or 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

1. International Classification of Diseases, Tenth Revision.

2. International Classification of Diseases, Ninth Revision.

## 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

1. International Classification of Diseases, Tenth Revision.

2. International Classification of Diseases, Ninth Revision.

# 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)		
<b>CERTIFIER</b>	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>INFORMATION FOR ADMINISTRATIVE USE</b>					
<b>MOTHER</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 MARRIED? (At birth, conception, or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No		16. SOCIAL SECURITY NUMBER REQUESTED FOR CHILD? <input type="checkbox"/> Yes <input type="checkbox"/> No	17. FACILITY ID. (NPI)		
	IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED IN THE HOSPITAL? <input type="checkbox"/> Yes <input type="checkbox"/> No		18. MOTHER'S SOCIAL SECURITY NUMBER:			
18. MOTHER'S SOCIAL SECURITY NUMBER:		19. FATHER'S SOCIAL SECURITY NUMBER:				
<b>INFORMATION FOR MEDICAL AND HEALTH PURPOSES ONLY</b>						
<b>MOTHER</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 _____	
	MOTHER'S MEDICAL RECORD NO _____					
<b>FATHER</b>	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, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., Ph.D., EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		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 _____	
	STATE OFFICE USE ONLY					
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) _____		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)		34. DID MOTHER GET WIC FOOD FOR HERSELF DURING THIS PREGNANCY? <input type="checkbox"/> YES <input type="checkbox"/> NO	
	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			
35c. DATE OF LAST LIVE BIRTH MM / DD / YYYY		36a. OTHER OUTCOMES NUMBER <input type="checkbox"/> None		38. PRINCIPAL SOURCE OF PAYMENT FOR THE DELIVERY <input type="checkbox"/> Private Insurance <input type="checkbox"/> Medicaid <input type="checkbox"/> Self pay <input type="checkbox"/> Other (Specify) _____		
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, $\geq 12$ hrs.) <input type="checkbox"/> Precipitous Labor (< 3 hrs.) <input type="checkbox"/> Prolonged Labor ( $\geq 20$ 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 $\geq 38^{\circ}$ C ( $100.4^{\circ}$ 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		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		
50. OBSTETRIC ESTIMATE OF GESTATION _____ (completed weeks)		58. IS INFANT BEING BREASTFED AT DISCHARGE? <input type="checkbox"/> Yes <input type="checkbox"/> No				
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) _____						

# 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. _____ Due to (or as a consequence of): _____						
Sequentially list conditions,						
b. _____ Due to (or as a consequence of): _____						
if any, leading to the cause listed on line a. Enter the <b>UNDERLYING CAUSE</b>						
c. _____ Due to (or as a consequence of): _____						
(disease or injury that initiated the events resulting in death) <b>LAST</b>						
d. _____						
<b>PART II.</b> 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 Investigation  <input type="checkbox"/> Suicide <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)
Amendmen t Code:  Amendmen t Number:  Date:  User ID:  DE Birth SFN:	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 (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 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			



# 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)
	5a. CITY, TOWN, OR LOCATION OF DELIVERY		7. PLACE WHERE DELIVERY OCCURRED (Check one)	
	5b. ZIP CODE OF DELIVERY		8. FACILITY NAME (if not institution, give street and number)	
	6. COUNTY OF DELIVERY		9. FACILITY ID (NPI)	
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 ONE WHICH MOST LIKELY BEGAN THE SEQUENCE OF EVENTS RESULTING IN THE DEATH OF THE FETUS)		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		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		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)		<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		13g. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned
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			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>	20. MOTHER'S EDUCATION (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, LL.B., JD)</li> </ul>	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) <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>	22. MOTHER'S RACE (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 _____																				
	23. MOTHER MARRIED? (At delivery, conception, or anytime between) <input type="checkbox"/> Yes <input type="checkbox"/> No	24a. DATE OF FIRST PRENATAL CARE VISIT _____ / _____ / _____ <input type="checkbox"/> No Prenatal Care M M / D D / Y Y Y Y	24b. DATE OF LAST PRENATAL CARE VISIT _____ / _____ / _____ M M / D D / Y Y Y Y	25. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY _____ (If none, enter "0")																			
26. MOTHER'S HEIGHT _____ (feet/inches)	27. MOTHER'S PRE-PREGNANCY WEIGHT _____ (pounds)	28. MOTHER'S WEIGHT AT DELIVERY _____ (pounds)	29. DID MOTHER GET WIC FOOD FOR HERSELF DURING THIS PREGNANCY? <input type="checkbox"/> Yes <input type="checkbox"/> No																				
30. NUMBER OF PREVIOUS LIVE BIRTHS <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">                             30a. Now Living                              Number _____  <input type="checkbox"/> None                         </td> <td style="width: 50%; border: none;">                             30b. Now Dead                              Number _____  <input type="checkbox"/> None                         </td> </tr> </table>		30a. Now Living Number _____ <input type="checkbox"/> None	30b. Now Dead Number _____ <input type="checkbox"/> None	31. NUMBER OF OTHER PREGNANCY OUTCOMES (spontaneous or induced losses or ectopic pregnancies) <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">                             31a. Other Outcomes                              Number (Do not include this fetus) _____  <input type="checkbox"/> None                         </td> <td style="width: 50%; border: none;">                             32. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY                              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: 50%;">Three Months Before Pregnancy</td> <td style="width: 10%;"># of cigarettes</td> <td style="width: 10%;">OR</td> <td style="width: 10%;"># of packs</td> </tr> <tr> <td>First Three Months of Pregnancy</td> <td>_____</td> <td>OR</td> <td>_____</td> </tr> <tr> <td>Second Three Months of Pregnancy</td> <td>_____</td> <td>OR</td> <td>_____</td> </tr> <tr> <td>Third Trimester of Pregnancy</td> <td>_____</td> <td>OR</td> <td>_____</td> </tr> </table> </td> </tr> </table>		31a. Other Outcomes Number (Do not include this fetus) _____ <input type="checkbox"/> None	32. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY 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: 50%;">Three Months Before Pregnancy</td> <td style="width: 10%;"># of cigarettes</td> <td style="width: 10%;">OR</td> <td style="width: 10%;"># of packs</td> </tr> <tr> <td>First Three Months of Pregnancy</td> <td>_____</td> <td>OR</td> <td>_____</td> </tr> <tr> <td>Second Three Months of Pregnancy</td> <td>_____</td> <td>OR</td> <td>_____</td> </tr> <tr> <td>Third Trimester of Pregnancy</td> <td>_____</td> <td>OR</td> <td>_____</td> </tr> </table>	Three Months Before Pregnancy	# of cigarettes	OR	# of packs	First Three Months of Pregnancy	_____	OR	_____	Second Three Months of Pregnancy	_____	OR	_____	Third Trimester of Pregnancy	_____	OR	_____
30a. Now Living Number _____ <input type="checkbox"/> None	30b. Now Dead Number _____ <input type="checkbox"/> None																						
31a. Other Outcomes Number (Do not include this fetus) _____ <input type="checkbox"/> None	32. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY 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: 50%;">Three Months Before Pregnancy</td> <td style="width: 10%;"># of cigarettes</td> <td style="width: 10%;">OR</td> <td style="width: 10%;"># of packs</td> </tr> <tr> <td>First Three Months of Pregnancy</td> <td>_____</td> <td>OR</td> <td>_____</td> </tr> <tr> <td>Second Three Months of Pregnancy</td> <td>_____</td> <td>OR</td> <td>_____</td> </tr> <tr> <td>Third Trimester of Pregnancy</td> <td>_____</td> <td>OR</td> <td>_____</td> </tr> </table>	Three Months Before Pregnancy	# of cigarettes	OR	# of packs	First Three Months of Pregnancy	_____	OR	_____	Second Three Months of Pregnancy	_____	OR	_____	Third Trimester of Pregnancy	_____	OR	_____						
Three Months Before Pregnancy	# of cigarettes	OR	# of packs																				
First Three Months of Pregnancy	_____	OR	_____																				
Second Three Months of Pregnancy	_____	OR	_____																				
Third Trimester of Pregnancy	_____	OR	_____																				
30c. DATE OF LAST LIVE BIRTH _____ / _____ / _____ M M / Y Y Y Y	31b. DATE OF LAST OTHER PREGNANCY OUTCOME _____ / _____ / _____ M M / Y Y Y Y	33. DATE LAST NORMAL MENSES BEGAN _____ / _____ / _____ M M / D D / Y Y Y Y	34. PLURALITY - Single, Twin, Triplet, etc. (Specify) _____																				
35. IF NOT SINGLE BIRTH - Born First, Second, Third, etc. (Specify) _____																							
36. 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 _____																							
<b>MEDICAL AND HEALTH INFORMATION</b>	37. RISK FACTORS IN THIS PREGNANCY (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>		38. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (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>																				
	39. METHOD OF DELIVERY <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"/> Breach</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                                 <ul style="list-style-type: none"> <li>If cesarean, was a trial of labor attempted?  <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ul> </li> </ul> </li> <li>E. Hysterotomy/Hysterectomy  <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ul>	40. MATERNAL MORBIDITY (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>																					
41. CONGENITAL ANOMALIES OF THE FETUS (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"/> Gastroschisis</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		8. FACILITY NAME (if not institution, give street and number)		
	5b. ZIP CODE OF DELIVERY	6. COUNTY OF DELIVERY		9. FACILITY ID (NPI)		
		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)		
<b>MOTHER</b>		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>FATHER</b>		<b>13. CAUSE/CONDITIONS CONTRIBUTING TO 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)		13b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (SELECT OR SPECIFY ALL OTHER CONDITIONS CONTRIBUTING TO DEATH IN ITEM 13b)		
		Maternal Conditions/Diseases (Specify) _____		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) _____		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) _____		Other Obstetrical or Pregnancy Complications (Specify) _____				
Fetal Anomaly (Specify) _____		Fetal Anomaly (Specify) _____				
Fetal Injury (Specify) _____		Fetal Injury (Specify) _____				
Fetal Infection (Specify) _____		Fetal Infection (Specify) _____				
Other Fetal Conditions/Disorders (Specify) _____		Other Fetal Conditions/Disorders (Specify) _____				
<input type="checkbox"/> Unknown		<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) _____	
		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

AUTHORITY FOR BURIAL, TRANSPORTATION AND REMOVAL	
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.	
<i>This permit is not authority for cremation; separate authorization must be obtained.</i>	
<b>CEMETARY OR CREMATORY SHALL FILL OUT SECTION BELOW</b>	
The Decedent named above was buried <input type="checkbox"/> cremated <input type="checkbox"/> in the cemetery or crematory in item 17a.	
BURIAL WAS IN Section _____ Lot _____ Grave _____. The appropriate entry in the <input type="checkbox"/> Cemetery <input type="checkbox"/> Crematory registry has been made.	
Signature _____	_____
<small>Sexton or other person in charge</small>	<small>Date Signed</small>
<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>	

REV. 04/2005

Sample

# APPENDIX I

## STATE OF DELAWARE CERTIFICATE OF MARRIAGE

1

CERTIFICATE OF MARRIAGE

**State of Delaware**

DIVISION OF PUBLIC HEALTH

STATE FILE NUMBER

OFFICE OF VITAL STATISTICS

LOCAL REGISTRAR'S NO.      LICENSE NO. **58801**      NO. LICENSE APPLICATION      PLACE LICENSE ISSUED

GROOM				BRIDE													
NAME FIRST		MIDDLE		LAST		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 X						SIGNATURE OF BRIDE X											
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)											

DRAFT

I hereby certify that on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, \_\_\_\_\_ M. \_\_\_\_\_ HOUR  
 the aforementioned persons were by me united in marriage at \_\_\_\_\_  
 (CITY, TOWN, OR LOCATION)  
 County of \_\_\_\_\_, in accordance with the Laws of the State of Delaware.

Signature of Clergy or Other Official ▶ \_\_\_\_\_ TITLE \_\_\_\_\_

RESIDENCE-STATE \_\_\_\_\_ COUNTY \_\_\_\_\_

Witnesses (two are required.)

1. NAME \_\_\_\_\_ RESIDENCE \_\_\_\_\_

2. NAME \_\_\_\_\_ RESIDENCE \_\_\_\_\_

3. NAME \_\_\_\_\_ RESIDENCE \_\_\_\_\_

REGISTRAR'S SIGNATURE \_\_\_\_\_ DATE RECEIVED BY LOCAL REGISTRAR \_\_\_\_\_

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							





## 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 <i>(if not clinic or hospital, give address)</i>		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 <i>(Month, Day, Year)</i>	
8a. RESIDENCE - STATE		8b. COUNTY	8c. CITY, TOWN, OR LOCATION	8d. ZIP CODE	
9. OF HISPANIC ORIGIN? <i>(Specify No or Yes - If yes, specify Cuban, Mexican, Puerto Rican, etc.)</i>  <input type="checkbox"/> No <input type="checkbox"/> Yes  Specify: _____		10. RACE <input type="checkbox"/> White <input type="checkbox"/> Black <input type="checkbox"/> Other <i>(Specify)</i> _____		11. EDUCATION <i>(Specify only highest grade completed)</i> Elementary/Secondary (0-12)   College (1-4 or 5+)	
12. DATE LAST NORMAL MENSES BEGAN <i>(Month, Day, Year)</i>	13. CLINICAL ESTIMATE OF GESTATION <i>(Weeks)</i>	14. PREVIOUS PREGNANCIES <i>(Complete each section)</i>			
		LIVE BIRTHS		OTHER TERMINATIONS	
		14a. Now Living Number _____ <input type="checkbox"/> None	14b. Not Living Number _____ <input type="checkbox"/> None	14c. Spontaneous Number _____ <input type="checkbox"/> None	14d. Induced <i>(Do not include this termination)</i> Number _____ <input type="checkbox"/> None
15. TYPE OF TERMINATION PROCEDURE <i>(Check only one)</i>					
<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

## 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.)

**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;vol 65 no 5.*  
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