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# DELAWARE VITAL STATISTICS ANNUAL REPORT ■ 2010



*DELAWARE HEALTH AND SOCIAL SERVICES*

Division of Public Health

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Selected Characteristics: Delaware Vital Statistics Annual Report, 2010

Population			Fetal Deaths		
Number*	Percent		Number*	Percent	
Delaware	899,773	100.0%	Delaware	62	100.0%
<i>Kent</i>	162,916	18.1%	<i>Kent</i>	9	14.5%
<i>New Castle</i>	538,987	59.9%	<i>New Castle</i>	42	67.7%
<i>Sussex</i>	197,870	22.0%	<i>Sussex</i>	11	17.7%
Marriages			Race		
Number*	5-yr Rate <sup>1</sup>		White	33	53.2%
Delaware	4,677	5.5	<i>Black</i>	27	43.5%
<i>Kent</i>	908	6.1	<i>Hispanic Origin</i> <sup>4</sup>	8	12.9%
<i>New Castle</i>	2,384	4.8	Infant Mortality		
<i>Sussex</i>	1,385	7.2	Number*	5-yr Rate <sup>5</sup>	
Divorces			Delaware	88	8.0
Number*	5-yr Rate <sup>1</sup>		<i>Kent</i>	15	6.5
Delaware	3,152	3.6	<i>New Castle</i>	58	8.8
<i>Kent</i>	690	4.5	<i>Sussex</i>	15	7.0
<i>New Castle</i>	1,771	3.3	Race		
<i>Sussex</i>	691	3.6	<i>White</i>	47	5.8
Live Births			<i>Black</i>	36	14.2
Number*	5-yr Rate <sup>2</sup>		<i>Hispanic Origin</i> <sup>4</sup>	11	7.4
Delaware	11,291	66.5	Mortality		
<i>Kent</i>	2,228	67.4	Number*	Adj. Rate <sup>6</sup>	
<i>New Castle</i>	6,780	63.1	Delaware	7,667	745.1
<i>Sussex</i>	2,283	77.8	<i>Kent</i>	1,345	846.2
Births to Teenagers (15-19)			<i>New Castle</i>	4,221	744.2
<i>White</i>	541	32.8	<i>Sussex</i>	2,101	701.6
<i>Black</i>	409	60.0	Race and Gender		
Delaware	967	39.1	<i>White Males</i>	3,107	864.3
<i>Kent</i>	197	39.6	<i>White Females</i>	3,167	615.6
<i>New Castle</i>	534	34.3	<i>Black Males</i>	682	1111.3
<i>Sussex</i>	236	55.5	<i>Black Females</i>	576	665.5
Race			Decedent's Age		
Number*	Percent		Number*	Percent	
<i>White</i>	7,566	67.0%	<1	88	1.1%
<i>Black</i>	3,086	27.3%	1-14	18	0.2%
<i>Hispanic Origin</i> <sup>4</sup>	1,426	12.6%	15-24	97	1.3%
Marital Status			25-44	362	4.7%
<i>Married</i>	5,960	52.8%	45-64	1578	20.6%
<i>Single</i>	5,331	47.2%	65-74	1307	17.0%
Births to Single Mothers <sup>3</sup>			75-84	1976	25.8%
<i>White</i>	2,999	39.6%	85+	2241	29.2%
<i>Black</i>	2,230	72.3%	Leading Causes of Death		
<i>Hispanic Origin</i> <sup>4</sup>	910	63.8%	Malignant neoplasms	1,895	24.7%
Low Birth Weight (<2500 gms)			Diseases of heart	1,761	23.0%
All Races	1,015	9.0%	Chronic lower respiratory diseases	441	5.8%
<i>White</i>	556	7.3%	Dementia	438	5.7%
<i>Black</i>	413	13.4%	Cerebrovascular diseases	408	5.3%
<i>Hispanic Origin</i> <sup>4</sup>	95	6.7%	Accidents (unintentional injuries)	354	4.6%

Notes:

\* Numbers are for 2010.

1. The 5-year rate is per 1,000 population and refers to the period 2006-2010.

2. The 5-year rate refers to total live births per 1,000 women 15-44 years of age during the 2006-2010 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 2010.

5. The 5-year (2006-2010) infant mortality rates represent the number of deaths to children under one year of age per 1,000 live births.

6. The 2010 mortality rates (deaths per 100,000 population) for Delaware and the counties are age-adjusted to the 2000 U.S. population.

Source: Delaware Health Statistics Center

SUMMARY

**Jack Markell, Governor**  
State of Delaware

**Rita M. Landgraf, Secretary**  
Delaware Health and Social Services

# DELAWARE VITAL STATISTICS ANNUAL REPORT, 2010

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

Delaware  
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**SC** Statistics

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## PREFACE

I am pleased to present the 2010 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 2010 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

A handwritten signature in black ink that reads "K. Rattay MD". The signature is written in a cursive, flowing style.

Director  
Delaware Division of Public Health

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## ACKNOWLEDGMENTS

This report was prepared by Barbara Gladders and Maridelle Dizon, and reviewed by Denese Welch of the Delaware Health Statistics Center.

We gratefully acknowledge the contributions of Brenda Conner and 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 Health Statistics Center staff, including: Jean Hreczan, Louise Wishart, Rosemary Zimmermann, Genelyn Viray, and Georgette Ahiamadjie. We also recognize local registrars, 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 go to the Delaware Tourism Office for providing the cover photograph.

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### Visit our website at:

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

### Suggested citation:

Delaware Health Statistics Center. *Delaware Vital Statistics Annual Report, 2010*. Delaware Department of Health and Social Services, Division of Public Health: 2013.

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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.

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## 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

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

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

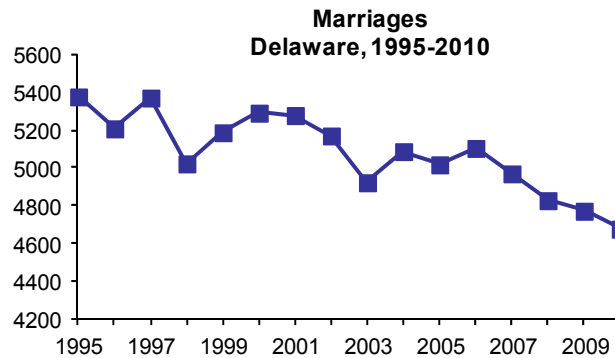
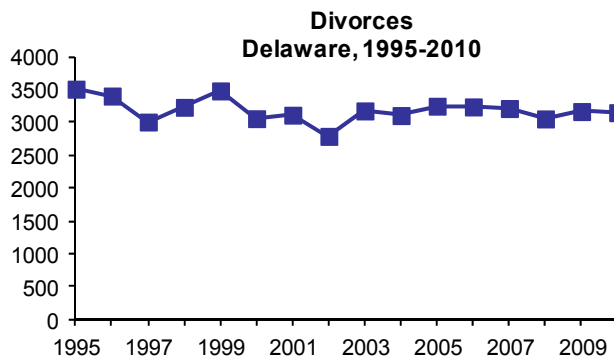
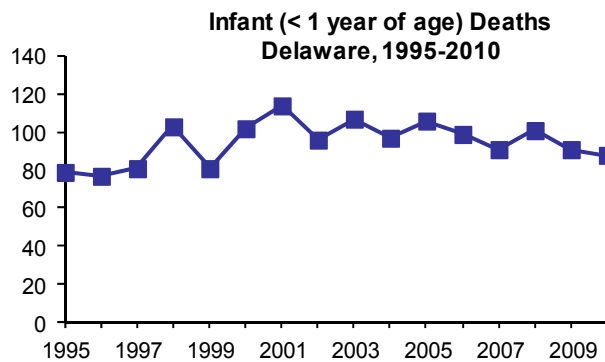
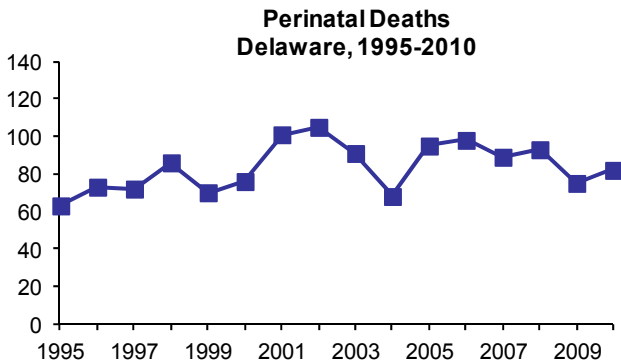
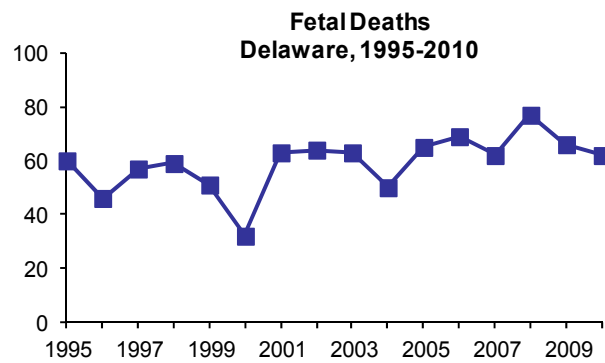
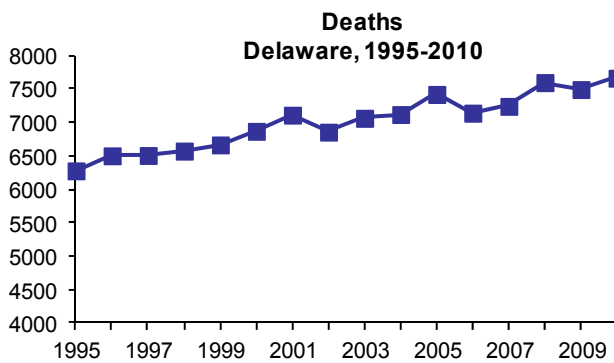
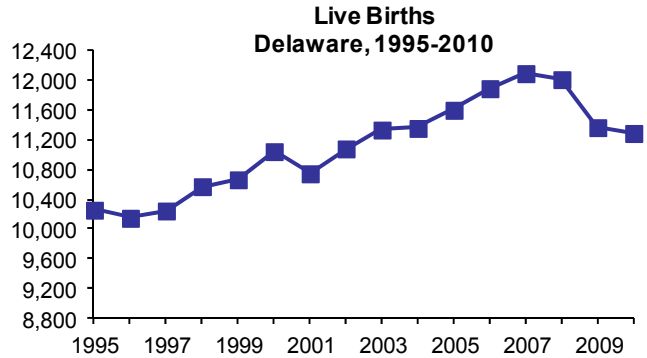
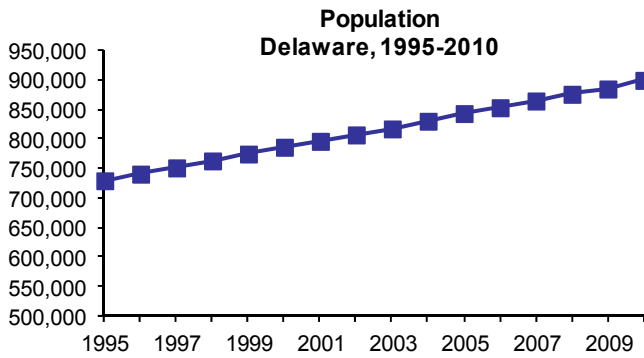
$$\text{Infant Mortality Rate} = \frac{\text{Number of Infant Deaths}}{\text{Total Live Births}} \times 1,000$$

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

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

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2010 DELAWARE VITAL STATISTICS



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# Population

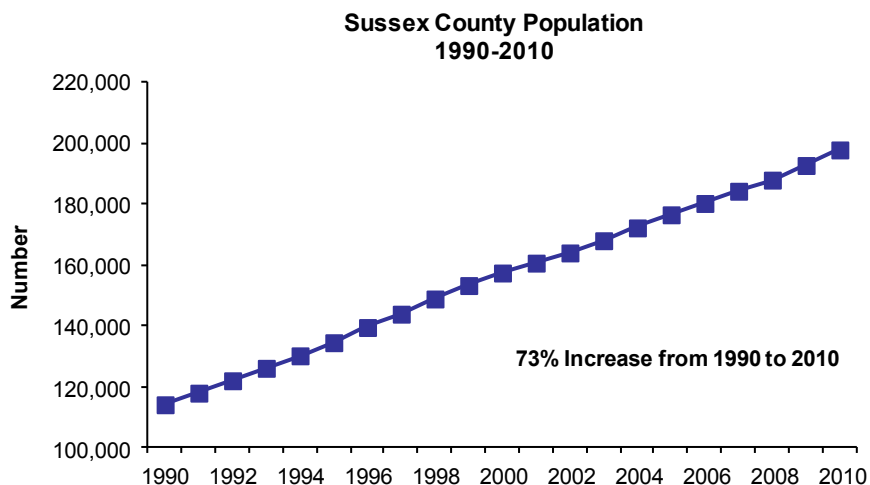
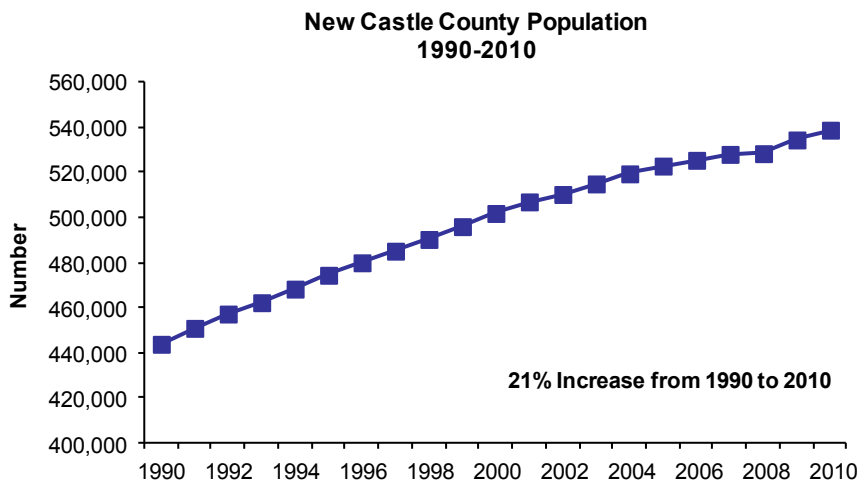
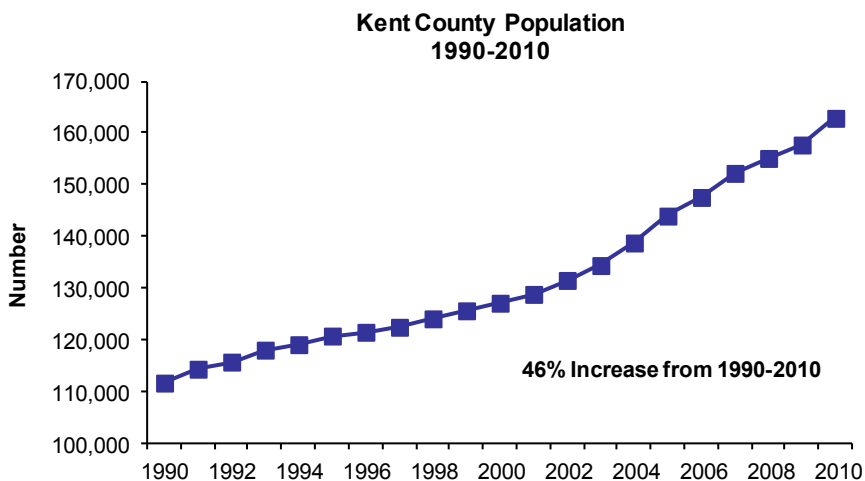
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## POPULATION

Delaware's three counties continued their increasing population trend, though they grew at different rates. Between 2000 and 2010, county populations grew annually by 2.8 percent for Kent, 0.7 percent for New Castle, and 2.6 percent for Sussex. Delaware's statewide increase was 1.4 percent.

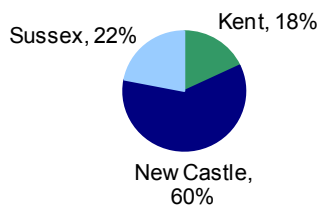
In 2010, more than half of Delaware's 65 and older population resided in New Castle County. However, residents 65 and older represented a much larger proportion of the Sussex County population, where 1 in 5 residents was 65 or older, versus New Castle and Kent counties, where approximately 1 in 8 residents was 65 or older.

### Delaware Resident Population by County, 1990-2010



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

#### Percent of Population by County Delaware, 2010

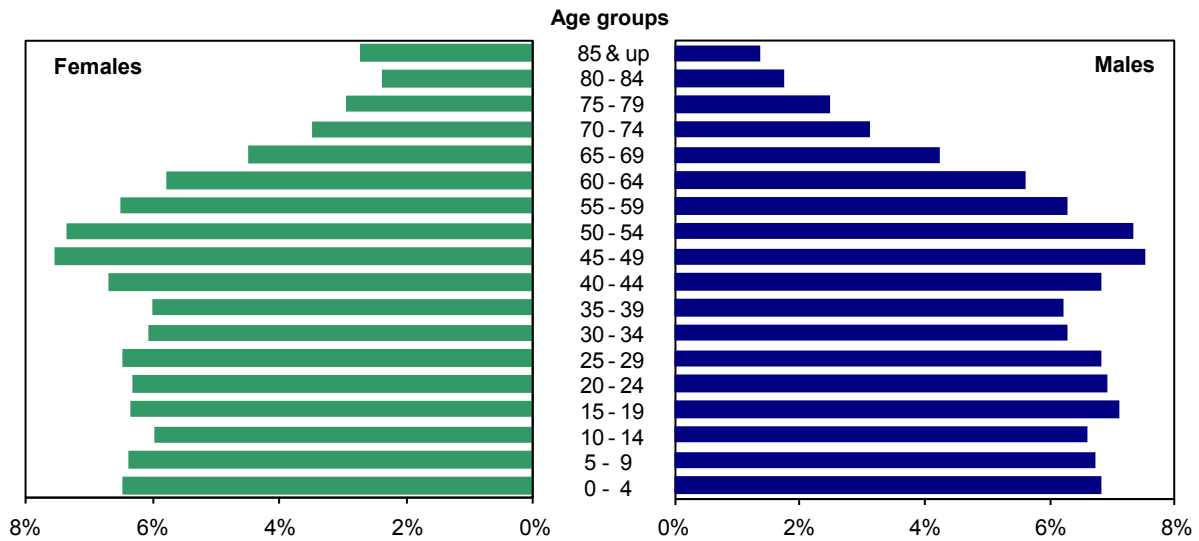


Source: Delaware Health Statistics Center

Source: Delaware Health Statistics Center

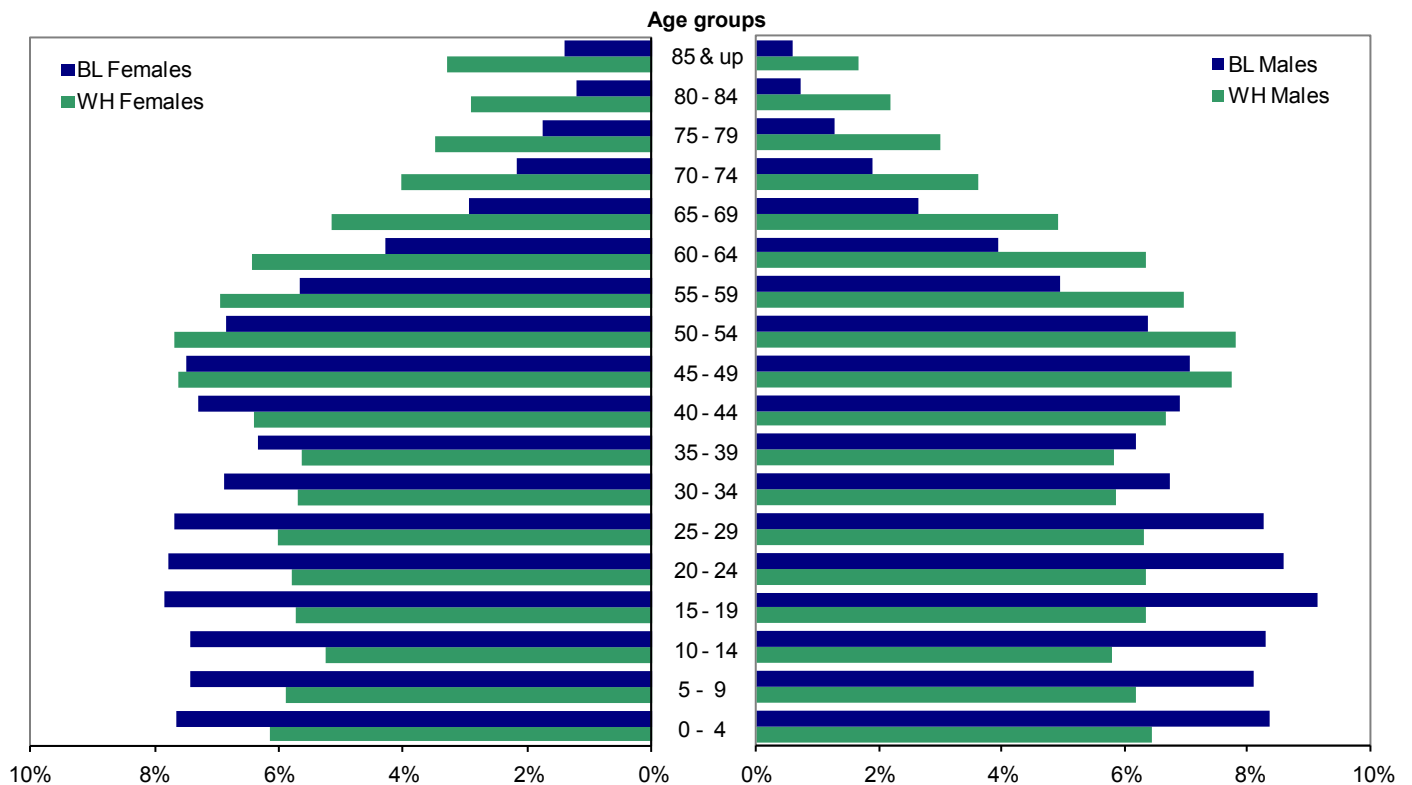
## POPULATION

In 2010, just over 50 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 2010 could expect to live an average of 81.7 years, versus males, who could expect to live 76.4 years.



Source: Delaware Health Statistics Center

When the population was broken down by race, the higher proportion of females in the older age groups appeared in the black population as well. However, both black males and females had a greater percentage of their population in the 0-44 year age range than whites; in the 45 and above age range, whites made up a greater proportion of the population.



Source: Delaware Health Statistics Center



TABLE A-1  
PERCENT CHANGE IN POPULATION BY SEX

DELAWARE, COUNTIES, CITY OF DOVER, CITY OF NEWARK, AND CITY OF WILMINGTON, 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>	548104	594338	8.4	666168	12.1	786393	18.0	899773	14.4	989170	9.9	25.8
Male	267332	286599	7.2	322966	12.7	381690	18.2	437346	14.6	481410	10.1	26.1
Female	280772	307739	9.6	343202	11.5	404703	17.9	462427	14.3	507760	9.8	25.5
<b>Kent</b>	81892	98219	19.9	110993	13.0	127230	14.6	162916	28.0	180357	10.7	41.8
Male	41337	48254	16.7	54300	12.5	61325	12.9	78394	27.8	86714	10.6	41.4
Female	40555	49965	23.2	56693	13.5	65905	16.2	84522	28.2	93643	10.8	42.1
Dover	17488	23512	34.4	27630	17.5	32135	16.3	36063	12.2	40475	12.2	26.0
Male	8319	11695	40.6	13408	14.6	15114	12.7	16798	11.1	18606	10.8	23.1
Female	9169	11817	28.9	14222	20.4	17021	19.7	19266	13.2	21869	13.5	28.5
<b>New Castle</b>	385856	398115	3.2	441946	11.0	501846	13.6	538987	7.4	573239	6.4	14.2
Male	187124	191176	2.2	213869	11.9	243587	13.9	262091	7.6	278844	6.4	14.5
Female	198732	206939	4.1	228077	10.2	258259	13.2	276896	7.2	294395	6.3	14.0
Newark	20757	25247	21.6	26463	4.8	28457	7.5	31465	10.6	34790	10.6	22.3
Male	10242	11993	17.1	12408	3.5	13085	5.5	14695	12.3	16251	10.6	24.2
Female	10515	13254	26.0	14055	6.0	15372	9.4	16770	9.1	18539	10.5	20.6
Wilmington	80386	70195	-12.7	71529	1.9	72730	1.7	70839	-2.6	69634	-1.7	-4.3
Male	36968	31458	-14.9	33249	5.7	34759	4.5	34568	-0.5	34461	-0.3	-0.9
Female	43418	38737	-10.8	38280	-1.2	37971	-0.8	36271	-4.5	35173	-3.0	-7.4
<b>Sussex</b>	80356	98004	22.0	113229	15.5	157317	38.9	197870	25.8	235574	19.1	49.7
Male	38871	47169	21.3	54797	16.2	76778	40.1	96861	26.2	115852	19.6	50.9
Female	41485	50835	22.5	58432	14.9	80539	37.8	101009	25.4	119722	18.5	48.7

**Note:**

\*Numbers for this year are projections.

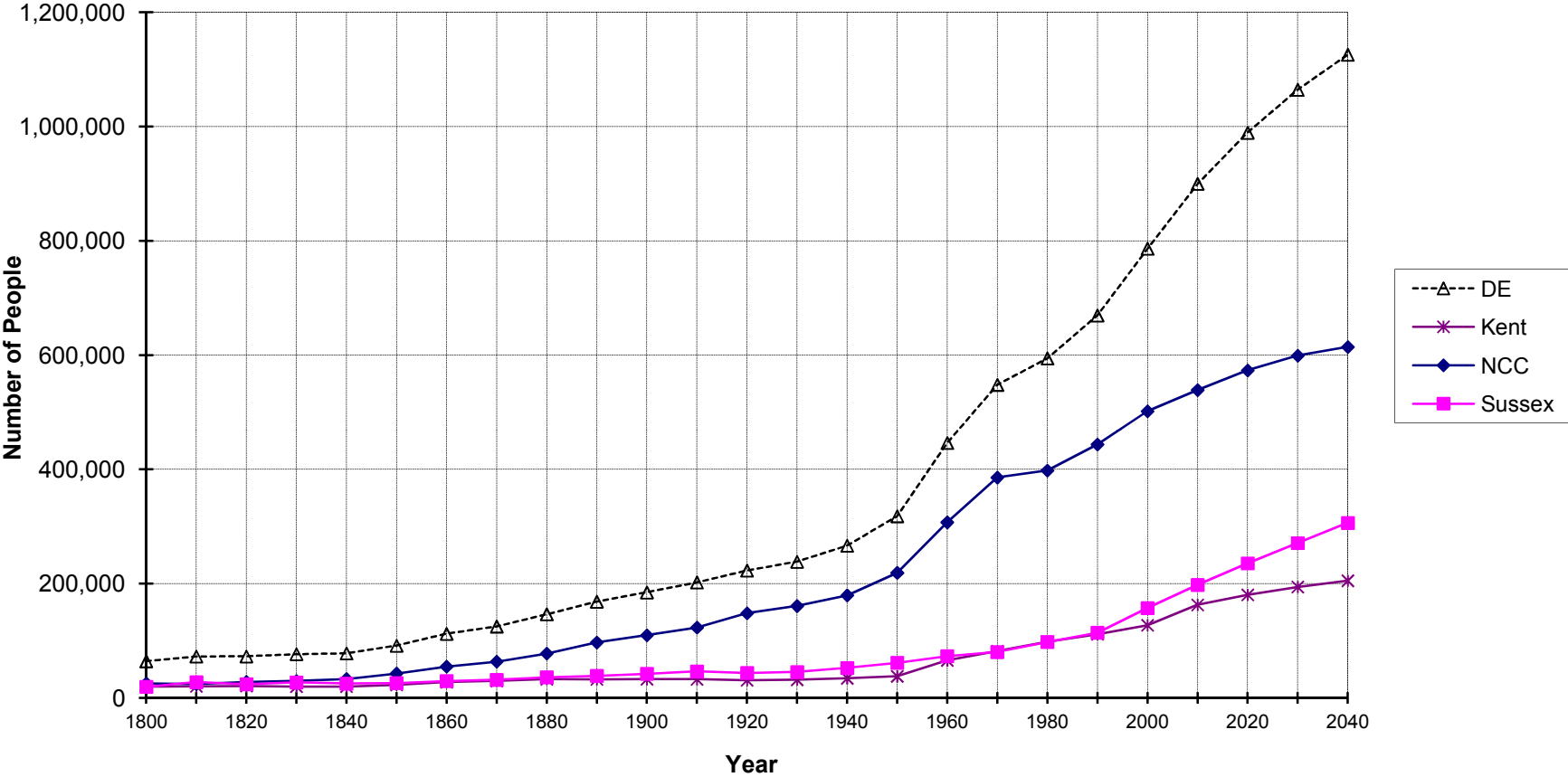
**Sources:**

Delaware Health Statistics Center  
Delaware Population Consortium  
U.S. Bureau of the Census

POPSEX

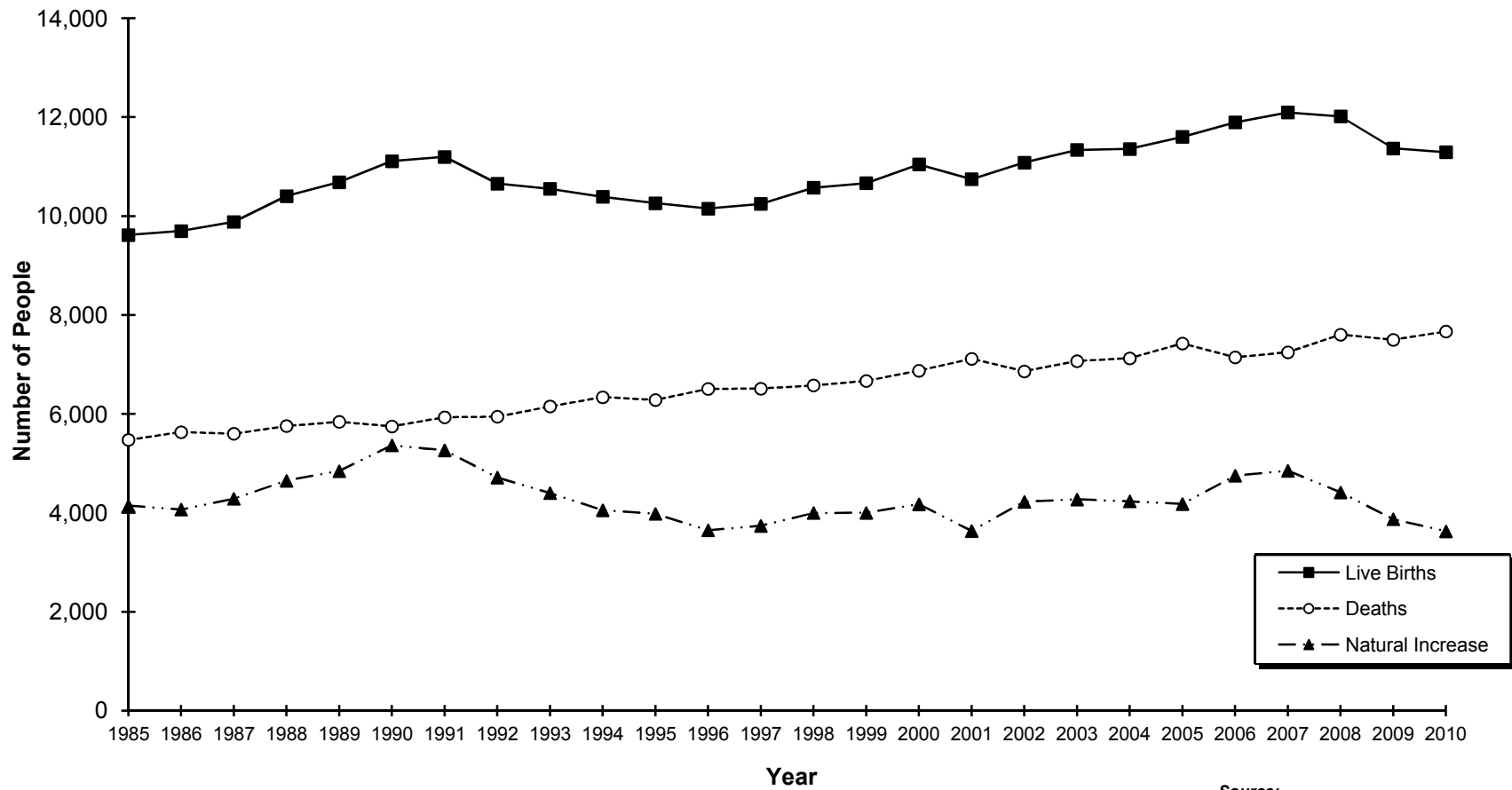
# Figure A-1 Population Growth

## Delaware and Counties, 1800-2040



Sources:  
Delaware Health Statistics Center  
Delaware Population Consortium

**Figure A-2**  
**Live Births, Deaths, and Natural Increase**  
**Delaware, 1985-2010**



Source:  
 Delaware Health Statistics Center

TABLE A-2  
POPULATION ESTIMATES BY SEX, RACE AND AGE

DELAWARE, COUNTIES, CITY OF DOVER, CITY OF NEWARK, AND CITY OF WILMINGTON, 2010

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>	899773	59757	58880	56416	60439	59530	59866	55617	54927	60756	67804	66038	57591	51291	39270	29732	24585	18722	18552
Male	437346	29825	29422	28826	31097	30242	29862	27496	27132	29787	32967	32038	27518	24523	18491	13610	10869	7672	5969
White	314757	20291	19454	18257	19919	19955	19840	18429	18368	21039	24386	24614	21878	19984	15484	11370	9397	6826	5266
Black	93643	7828	7585	7774	8544	8042	7728	6305	5793	6446	6624	5984	4634	3695	2458	1760	1192	686	565
Female	462427	29932	29458	27590	29342	29288	30004	28121	27795	30969	34837	34000	30073	26768	20779	16122	13716	11050	12583
White	331857	20338	19487	17373	19045	19162	19961	18854	18711	21282	25241	25510	23033	21340	17065	13361	11544	9594	10956
Black	103142	7895	7646	7654	8093	8011	7921	7093	6530	7515	7740	7075	5843	4424	3015	2224	1790	1229	1444
<b>Kent</b>	162916	11346	11221	11144	11757	12154	11896	10472	9781	10806	12466	11689	9408	8323	6249	4913	4057	2739	2495
Male	78394	5664	5600	5620	6055	6115	5854	5113	4583	5249	5964	5575	4399	3939	2892	2180	1796	1063	733
White	54891	3889	3805	3639	3968	4058	3694	3257	3183	3751	4367	4161	3326	2997	2259	1684	1402	872	579
Black	18875	1557	1534	1541	1738	1671	1836	1454	1012	1118	1187	1087	887	752	522	390	309	153	127
Female	84522	5682	5621	5524	5702	6039	6042	5359	5198	5557	6502	6114	5009	4384	3357	2733	2261	1676	1762
White	58160	3891	3806	3509	3785	4027	3768	3154	3451	3849	4596	4367	3581	3214	2546	2117	1718	1352	1429
Black	21028	1573	1553	1611	1538	1646	1951	1830	1286	1302	1439	1361	1099	887	599	447	397	234	275
Dover	36063	2424	2212	2098	3199	3885	2590	2107	1887	2067	2437	2422	1998	1711	1397	1128	1055	735	713
Male	16798	1226	1169	1008	1551	1880	1228	987	850	975	1069	1138	889	787	643	465	404	306	223
Female	19266	1198	1043	1090	1647	2005	1362	1121	1037	1091	1367	1284	1109	924	754	663	651	429	490
<b>New Castle</b>	538987	36195	36169	35005	37813	36333	37220	36206	35315	38717	41364	39416	33525	28429	20750	14774	12083	9539	10134
Male	262091	18049	18051	17958	19393	18588	18453	17739	17640	18964	20227	19201	15969	13465	9644	6721	5155	3757	3117
White	180369	11611	11587	10901	11935	11791	12051	11856	11511	12892	14392	14182	12131	10398	7647	5261	4283	3248	2692
Black	62357	5140	5024	5183	5680	5265	4831	4052	4111	4516	4551	4104	3159	2518	1626	1144	711	410	332
Female	276896	18146	18118	17047	17745	17745	18767	18467	17675	19753	21137	20215	17556	14964	11106	8053	6928	5782	7017
White	190010	11663	11646	10281	11478	11050	12329	12514	11373	12887	14630	14527	12809	11332	8682	6282	5636	4893	5998
Black	68759	5189	5061	5074	5468	5229	4937	4468	4582	5334	5343	4807	3999	2993	2022	1461	1106	770	916
Newark	31465	897	1006	1102	6183	8618	1928	1289	1004	1185	1544	1582	1345	1107	850	585	509	409	325
Male	14695	464	536	560	2393	4146	1065	684	492	599	762	771	634	537	365	239	211	153	87
Female	16770	433	470	542	3789	4471	864	606	512	586	783	812	712	570	485	346	298	256	238
Wilmington*	70839	5672	5083	4275	5038	5321	5661	5330	5195	4838	4763	4572	3979	3296	2386	1712	1398	1072	1248
Male	34568	2895	2609	2245	2573	2687	2888	2768	2654	2435	2398	2232	1872	1474	1021	680	507	331	299
White	12276	846	770	462	526	805	1101	1168	1230	897	823	840	739	658	488	287	245	195	196
Black	19376	1787	1621	1540	1771	1602	1446	1288	1200	1344	1423	1287	1027	728	482	356	247	128	99
Female	36271	2777	2474	2030	2465	2634	2773	2562	2541	2403	2365	2340	2107	1822	1365	1032	891	741	949
White	12229	797	699	398	441	706	980	949	1025	711	670	739	807	780	617	438	415	435	622
Black	21366	1730	1569	1456	1775	1662	1487	1409	1285	1507	1550	1493	1188	959	692	551	453	286	314
<b>Sussex</b>	197870	12216	11490	10267	10869	11043	10750	8939	9831	11233	13974	14933	14658	14539	12271	10045	8445	6444	5923
Male	96861	6112	5771	5248	5649	5539	5555	4644	4909	5574	6776	7262	7150	7119	5955	4709	3918	2852	2119
White	79497	4791	4062	3717	4016	4106	4095	3316	3674	4396	5627	6271	6421	6589	5578	4425	3712	2706	1995
Black	12411	1131	1027	1050	1126	1106	1061	799	670	812	886	793	588	425	310	226	172	123	106
Female	101009	6104	5719	5019	5220	5504	5195	4295	4922	5659	7198	7671	7508	7420	6316	5336	4527	3592	3804
White	83687	4784	4035	3583	3782	4085	3864	3186	3887	4546	6015	6616	6643	6794	5837	4962	4190	3349	3529
Black	13355	1133	1032	969	1087	1136	1033	795	662	879	958	907	745	544	394	316	287	225	253

Sources:  
Delaware Health Statistics Center  
Delaware Population Consortium

POPSRA

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# Marriage & Divorce

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## MARRIAGE AND DIVORCE

There were 4,677 marriages and 3,152 divorces in Delaware in 2010 (see Tables B-1 and B-11). Over half of all divorces in 2010 were of marriages that lasted less than 10 years.

### Marriage

#### Male

Youngest: 17  
Oldest: 90

#### Female

Youngest: 17  
Oldest: 89

Marriage with the greatest age difference between bride and groom: 44 years.  
Most popular month to get married: October (see Table B-9).

### Divorce

#### Male

Youngest: 19  
Oldest: 83

#### Female

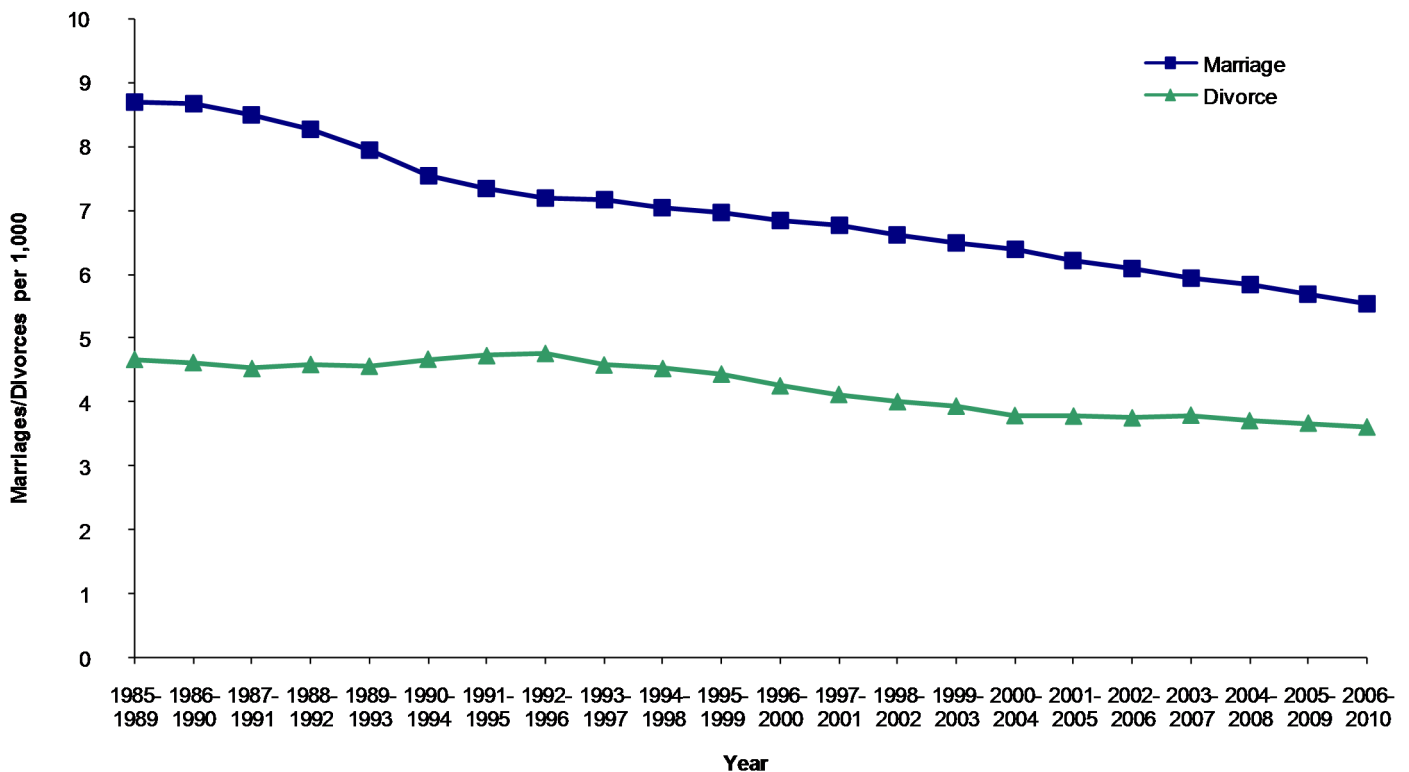
Youngest: 17  
Oldest: 91

Shortest duration of marriage: 66 days.  
Longest duration of marriage: 51 years.  
Median duration of marriage: 8.8 years (see Table B-16).  
Total children under 18 years of age: 2,484 (see Table B-18).

Between 1986-1990 and 2006-2010 the five-year average marriage rate decreased from 8.7 to 5.5 marriages per 1,000 population.

Divorce rates remained fairly stable between 1985-1989 and 1992-1996. Between 1992-1996 and 2006-2010, divorce rates declined 24 percent, with most of the decrease occurring in the 1992-1996 to 2000-2004 time period.

**Five-year Average Marriage and Divorce Rates per 1,000 Population  
Delaware, 1985-2010**



Source: Delaware Health Statistics Center

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TABLE B-1  
NUMBER OF MARRIAGES BY PLACE OF CEREMONY  
U.S., DELAWARE AND COUNTIES, 1990-2010

Year	U.S.	Delaware	Kent	New Castle	Sussex
1990	2443489	5643	1027	3524	1092
1991	2371000	5348	1073	3259	1016
1992	2362000	5069	1026	3028	1015
1993	2334000	5023	982	3033	1008
1994	2362000	5080	1000	3028	1052
1995	2336000	5378	1019	3216	1143
1996	2344000	5209	980	3081	1148
1997	2384000	5372	1017	3154	1201
1998	2244000	5023	937	2951	1135
1999	2358000	5188	929	3011	1248
2000	2329000	5292	957	3117	1218
2001	2345000	5279	963	3118	1198
2002	2254000	5171	1015	2899	1257
2003	2245000	4923	923	2784	1216
2004	2279000	5088	998	2801	1289
2005	2249000	5018	973	2726	1319
2006	2194000	5105	993	2754	1358
2007	2204000	4970	944	2670	1356
2008	2157000	4828	984	2429	1415
2009	2077000	4772	930	2491	1351
2010	N/A	4677	908	2384	1385

FYAMAR1

**Note:**

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

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

TABLE B-2  
FIVE-YEAR AVERAGE MARRIAGE RATES PER 1,000 POPULATION  
BY PLACE OF CEREMONY

U.S., DELAWARE AND COUNTIES, 1990-2010

Years	U.S.	Delaware	Kent	New Castle	Sussex
1990-1994	9.3	7.5	8.8	7.0	8.5
1991-1995	9.1	7.3	8.7	6.7	8.3
1992-1996	9.0	7.2	8.4	6.6	8.2
1993-1997	9.0	7.1	8.3	6.5	8.2
1994-1998	8.8	7.0	8.2	6.4	8.1
1995-1999	8.7	7.0	7.9	6.4	8.2
1996-2000	8.6	6.8	7.8	6.2	8.0
1997-2001	8.5	6.8	7.6	6.2	7.9
1998-2002	8.2	6.6	7.5	6.0	7.7
1999-2003	8.1	6.5	7.4	5.9	7.6
2000-2004	8.0	6.4	7.3	5.8	7.5
2001-2005	7.8	6.2	7.2	5.6	7.4
2002-2006	7.7	6.1	7.0	5.4	7.4
2003-2007	7.6	5.9	6.7	5.3	7.4
2004-2008	7.4	5.8	6.6	5.1	7.4
2005-2009	7.2	5.7	6.3	4.9	7.3
2006-2010	N/A	5.5	6.1	4.8	7.2

FYAMAR2

**Note:**

U.S. rates are based on NCHS estimate.

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

TABLE B-3  
NUMBER AND PERCENT OF MARRIAGES BY RACE OF GROOM AND BRIDE  
DELAWARE, 2010

Race of Groom	Race of bride									
	White		Black		American Indian		Asian/Pacific Islander		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
White	3262	93.2	62	6.8	14	33.3	54	40.0	40	49.4
Black	176	5.0	847	92.3	0	0.0	11	8.1	12	14.8
American Indian	6	0.2	1	0.1	27	64.3	0	0.0	1	1.2
Asian/Pacific Islander	19	0.5	2	0.2	0	0.0	64	47.4	1	1.2
Other/Unknown	38	1.1	6	0.7	1	2.4	6	4.4	27	33.3

GRBRRC1

**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 Health Statistics Center

TABLE B-4  
NUMBER AND PERCENT OF MARRIAGES BY PREVIOUS MARITAL STATUS  
AND RACE OF BRIDE AND GROOM

DELAWARE, 2010

Previous Marital Status	Race					
	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>						
Single	3168	67.7	2324	67.7	690	66.0
Widowed	114	2.4	87	2.5	24	2.3
Divorced	1395	29.8	1021	29.7	332	31.7
<b>Bride</b>						
Single	3270	69.9	2437	69.6	633	69.0
Widowed	111	2.4	86	2.5	21	2.3
Divorced	1296	27.7	978	27.9	264	28.8

GRBRRC2

**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 Health Statistics Center

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

DELAWARE, 2010

Marriage Order	Type of Ceremony	Race					
		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>							
First Marriage	Civil	1034	32.6	646	27.8	306	44.3
	Religious	2134	67.4	1678	72.2	384	55.7
Remarriage	Civil	581	38.5	404	36.5	151	42.4
	Religious	928	61.5	704	63.5	205	57.6
<b>Bride</b>							
First Marriage	Civil	1058	32.4	672	27.6	287	45.3
	Religious	2212	67.6	1765	72.4	346	54.7
Remarriage	Civil	557	39.6	415	39.0	108	37.9
	Religious	850	60.4	649	61.0	177	62.1

RCORDRTYPE1

**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 Health Statistics Center

TABLE B-6  
MEDIAN AND MEAN AGE OF BRIDE AND GROOM BY MARRIAGE ORDER AND RACE

DELAWARE, 2010

Marriage Order	Race					
	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Groom</b>						
First Marriage	28	30	28	29	30	32
Remarriage	44	46	44	46	44	45
<b>Bride</b>						
First Marriage	27	28	26	27	29	31
Remarriage	42	43	42	43	42	43

RCORDRTYPE 2

**Note:**

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE, 2010

Marriage Order	Age	Race						
		All Races		White		Black		
		Number	Percent	Number	Percent	Number	Percent	
<b>Groom</b>								
All Marriages	<20	54	1.2	43	1.3	10	1.0	
	20-29	1886	40.3	1460	42.5	323	30.9	
	30-39	1454	31.1	1053	30.7	338	32.3	
	40-49	685	14.6	446	13.0	223	21.3	
	50-64	482	10.3	333	9.7	135	12.9	
	65+	116	2.5	97	2.8	17	1.6	
	Unk	0	0.0	0	0.0	0	0.0	
	First Marriage	<20	54	1.7	43	1.9	10	1.4
		20-29	1777	56.1	1377	59.3	301	43.6
		30-39	1029	32.5	742	31.9	241	34.9
		40-49	229	7.2	123	5.3	100	14.5
		50-64	73	2.3	36	1.5	35	5.1
		65+	6	0.2	3	0.1	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	109	7.2	83	7.5	22	6.2	
	30-39	425	28.2	311	28.1	97	27.2	
	40-49	456	30.2	323	29.2	123	34.6	
	50-64	409	27.1	297	26.8	100	28.1	
	65+	110	7.3	94	8.5	14	3.9	
	Unk	0	0.0	0	0.0	0	0.0	
<b>Bride</b>								
All Marriages	<20	143	3.1	114	3.3	20	2.2	
	20-29	2267	48.5	1789	51.1	333	36.3	
	30-39	1242	26.6	878	25.1	299	32.6	
	40-49	594	12.7	398	11.4	173	18.8	
	50-64	363	7.8	262	7.5	86	9.4	
	65+	68	1.5	60	1.7	7	0.8	
	Unk	0	0.0	0	0.0	0	0.0	
	First Marriage	<20	142	4.3	113	4.6	20	3.2
		20-29	2110	64.5	1665	68.3	311	49.1
		30-39	813	24.9	559	22.9	206	32.5
		40-49	158	4.8	78	3.2	72	11.4
		50-64	45	1.4	20	0.8	24	3.8
		65+	2	0.1	2	0.1	0	0.0
		Unk	0	0.0	0	0.0	0	0.0
Remarriage	<20	1	0.1	1	0.1	0	0.0	
	20-29	157	11.2	124	11.7	22	7.7	
	30-39	429	30.5	319	30.0	93	32.6	
	40-49	436	31.0	320	30.1	101	35.4	
	50-64	318	22.6	242	22.7	62	21.8	
	65+	66	4.7	58	5.5	7	2.5	
	Unk	0	0.0	0	0.0	0	0.0	

AGEBYRCORDR

**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 Health Statistics Center

TABLE B-8  
NUMBER OF MARRIAGES BY MARRIAGE ORDER AND AGE OF BRIDE  
BY MARRIAGE ORDER AND AGE OF GROOM

DELAWARE, 2010

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	29	20	2	0	0	0	0	0	3	0	0	0	0	0
	20-29	104	1442	106	2	1	0	0	0	60	57	5	0	0	0
	30-39	3	422	409	19	0	0	0	0	21	125	25	5	0	0
	40-49	0	13	57	35	6	0	0	0	6	36	59	17	0	0
	50-64	0	0	8	19	9	0	0	0	1	0	14	22	0	0
	65+	0	0	0	0	1	2	0	0	0	0	0	2	1	0
	Unk	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Remarriage	<20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20-29	5	61	10	0	0	0	0	1	23	7	2	0	0	0
	30-39	0	110	130	10	0	0	0	0	29	109	36	1	0	0
	40-49	1	34	71	42	5	0	0	0	11	76	177	39	0	0
	50-64	0	6	20	31	23	0	0	0	3	18	111	192	5	0
	65+	0	2	0	0	0	0	0	0	0	1	7	40	60	0
	Unk	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Source:**  
Delaware Health Statistics Center

ORDRBYAGE

TABLE B-9  
NUMBER AND PERCENT OF MARRIAGES BY MONTH OF CEREMONY  
DELAWARE, 2010

Month	Number	Percent
January	199	4.3
February	200	4.3
March	278	5.9
April	292	6.2
May	552	11.8
June	553	11.8
July	432	9.2
August	479	10.2
September	518	11.1
October	655	14.0
November	266	5.7
December	253	5.4
Total	4677	100.0

DAYMONT1

**Notes:**

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

**Source:**

Delaware Health Statistics Center

TABLE B-10  
NUMBER AND PERCENT OF MARRIAGES BY DAY OF WEEK CEREMONY PERFORMED  
DELAWARE, 2010

Day	Number	Percent
Sunday	483	10.3
Monday	117	2.5
Tuesday	172	3.7
Wednesday	781	16.7
Thursday	169	3.6
Friday	586	12.5
Saturday	2369	50.7
Total	4677	100.0

DAYMONT2

**Notes:**

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

**Source:**

Delaware Health Statistics Center

TABLE B-11  
NUMBER OF DIVORCES/ANNULMENTS\* BY PLACE OF DECREE  
DELAWARE AND COUNTIES, 1990-2010

Year	Delaware	Kent	New Castle	Sussex
1990	3034	575	1922	537
1991	3009	646	1724	639
1992	3397	653	2065	679
1993	3175	634	1957	584
1994	3551	707	2152	692
1995	3509	798	2003	708
1996	3405	712	1970	723
1997	3009	647	1700	662
1998	3233	652	1984	597
1999	3482	801	2008	673
2000	3060	674	1808	578
2001	3114	666	1657	791
2002	2792	714	1392	686
2003	3178	673	1834	671
2004	3108	701	1744	663
2005	3250	708	1753	789
2006	3239	673	1836	730
2007	3215	721	1771	723
2008	3057	704	1753	600
2009	3169	694	1795	680
2010	3152	690	1771	691

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

FYADIV1

**Source:**  
Delaware Health Statistics Center

TABLE B-12  
FIVE-YEAR AVERAGE DIVORCE/ANNULMENT\* RATES PER 1,000 POPULATION  
BY PLACE OF DECREE  
DELAWARE AND COUNTIES, 1990-2010

Years	Delaware	Kent	New Castle	Sussex
1990-1994	4.7	5.6	4.3	5.1
1991-1995	4.7	5.8	4.3	5.2
1992-1996	4.7	5.9	4.3	5.2
1993-1997	4.6	5.8	4.1	5.0
1994-1998	4.5	5.8	4.1	4.9
1995-1999	4.4	5.9	4.0	4.7
1996-2000	4.2	5.6	3.9	4.4
1997-2001	4.1	5.5	3.7	4.3
1998-2002	4.0	5.5	3.5	4.2
1999-2003	3.9	5.4	3.4	4.2
2000-2004	3.8	5.2	3.3	4.1
2001-2005	3.8	5.1	3.3	4.3
2002-2006	3.7	5.0	3.3	4.1
2003-2007	3.8	4.8	3.4	4.0
2004-2008	3.7	4.7	3.4	3.8
2005-2009	3.7	4.6	3.4	3.8
2006-2010	3.6	4.4	3.3	3.6

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

FYADIV2

**Source:**  
Delaware Health Statistics Center

TABLE B-13  
NUMBER OF DIVORCES/ANNULMENTS\* BY RACE OF WIFE AND RACE OF HUSBAND  
DELAWARE, 2010

Race of Husband	Race of Wife								
	White	Black	American Indian	Chinese	Hawaiian	Filipino	Other Asian	Other Race	Not Classifiable
White	2118	39	5	2	0	9	12	11	2
Black	106	709	5	0	2	1	5	2	4
American Indian	7	2	0	0	0	0	0	0	0
Chinese	2	1	0	8	0	0	1	0	0
Hawaiian	1	0	0	0	0	0	0	0	0
Filipino	4	0	0	0	0	4	0	0	0
Other Asian	11	2	0	2	0	1	30	0	0
Other Race	6	5	0	0	0	1	0	0	0
Not Classifiable	2	1	0	0	0	0	0	0	29

RACE

**Notes:**

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

**Source:**

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, 2010

Number of Marriage	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	41	42	41	42	42	42
First Marriage	38	39	38	39	39	39
Second Marriage	47	48	47	47	47	49
Third Marriage+	53	54	54	54	49	51
Not Stated	46	47	46	46	46	48
<b>Wife</b>						
All Marriages	39	40	39	40	40	41
First Marriage	36	37	36	37	38	38
Second Marriage	45	46	45	45	47	47
Third Marriage+	48	49	48	48	50	50
Not Stated	42	42	43	42	42	41

AGENUMRC

**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 Health Statistics Center



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

DELAWARE, 2010

Marriage Order	Age	Husband's Race						Wife's Race					
		All Races		White		Black		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Marriages	<20	1	0.0	1	0.0	0	0.0	4	0.1	4	0.2	0	0.0
	20-29	424	13.5	306	13.9	91	10.9	578	18.3	434	19.2	111	14.6
	30-39	947	30.0	670	30.5	241	28.9	987	31.3	702	31.1	243	32.0
	40-49	979	31.1	664	30.2	284	34.1	956	30.3	682	30.2	242	31.9
	50-64	653	20.7	452	20.6	182	21.8	525	16.7	366	16.2	137	18.1
	65+	108	3.4	85	3.9	18	2.2	64	2.0	51	2.3	12	1.6
	Unk	40	1.3	20	0.9	18	2.2	38	1.2	18	0.8	14	1.8
First Marriage	<20	1	0.0	1	0.1	0	0.0	3	0.1	3	0.2	0	0.0
	20-29	397	18.4	284	18.9	87	15.4	543	25.7	408	27.1	103	20.4
	30-39	782	36.2	545	36.2	205	36.3	757	35.8	534	35.4	186	36.9
	40-49	639	29.6	439	29.2	179	31.7	536	25.3	374	24.8	147	29.2
	50-64	289	13.4	197	13.1	82	14.5	231	10.9	160	10.6	57	11.3
	65+	35	1.6	31	2.1	3	0.5	23	1.1	19	1.3	4	0.8
	Unk	17	0.8	8	0.5	8	1.4	22	1.0	10	0.7	7	1.4
Second Marriage	<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	20-29	26	3.8	21	4.3	4	2.2	21	3.2	17	3.4	3	2.1
	30-39	129	18.7	101	20.5	26	14.4	148	22.4	114	23.1	31	21.7
	40-49	253	36.7	178	36.1	68	37.8	289	43.8	217	43.9	59	41.3
	50-64	229	33.2	157	31.8	67	37.2	164	24.8	117	23.7	41	28.7
	65+	42	6.1	30	6.1	11	6.1	30	4.5	24	4.9	6	4.2
	Unk	11	1.6	6	1.2	4	2.2	8	1.2	5	1.0	3	2.1
Third Marriage and more	<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	0.4	1	0.6	0	0.0
	30-39	16	7.7	11	7.2	4	7.8	37	16.2	31	17.6	6	11.5
	40-49	55	26.3	32	20.9	22	43.1	85	37.1	66	37.5	19	36.5
	50-64	107	51.2	85	55.6	21	41.2	96	41.9	70	39.8	25	48.1
	65+	27	12.9	22	14.4	3	5.9	9	3.9	7	4.0	2	3.8
	Unk	4	1.9	3	2.0	1	2.0	1	0.4	1	0.6	0	0.0
Not Stated	<20	0	0.0	0	0.0	0	0.0	1	0.7	1	1.3	0	0.0
	20-29	1	1.1	1	2.1	0	0.0	13	8.8	8	10.1	5	8.3
	30-39	20	21.5	13	27.7	6	15.4	45	30.4	23	29.1	20	33.3
	40-49	32	34.4	15	31.9	15	38.5	46	31.1	25	31.6	17	28.3
	50-64	28	30.1	13	27.7	12	30.8	34	23.0	19	24.1	14	23.3
	65+	4	4.3	2	4.3	1	2.6	2	1.4	1	1.3	0	0.0
	Unk	8	8.6	3	6.4	5	12.8	7	4.7	2	2.5	4	6.7

AGENUMRC\_DET

**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 Health Statistics Center

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

DELAWARE, 2010

Number of Marriage	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	8.8	11.2	9.3	11.8	7.8	9.7
First Marriage	9.4	11.9	10.0	12.6	8.4	10.3
Second Marriage	8.1	10.1	8.4	10.5	6.7	9.0
Third Marriage+	6.4	7.9	6.7	8.6	4.4	5.6
Not Stated	7.7	10.9	10.7	11.6	6.5	9.3
<b>Wife</b>						
All Marriages	8.8	11.2	9.1	11.6	8.1	10.0
First Marriage	9.3	11.8	9.5	12.3	8.8	10.8
Second Marriage	8.6	10.5	9.1	11.0	7.7	8.9
Third Marriage+	6.0	7.6	6.3	8.0	5.2	6.4
Not Stated	8.6	10.8	10.3	12.0	6.6	9.1

DURNUMRC

**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 Health Statistics Center

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

DELAWARE, 2010

Marriage Order	Duration of this Marriage	Husband's Race						Wife's Race					
		All Races		White		Black		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Marriages	<1	72	2.3	39	1.8	28	3.4	72	2.3	42	1.9	22	2.9
	1-4	827	26.2	557	25.3	241	28.9	827	26.2	585	25.9	207	27.3
	5-9	855	27.1	569	25.9	244	29.3	855	27.1	593	26.3	222	29.2
	10-14	543	17.2	370	16.8	155	18.6	543	17.2	375	16.6	147	19.4
	15-19	348	11.0	266	12.1	74	8.9	348	11.0	263	11.7	74	9.7
	20-24	233	7.4	184	8.4	42	5.0	233	7.4	185	8.2	40	5.3
	25-29	115	3.6	93	4.2	17	2.0	115	3.6	93	4.1	17	2.2
	30+	138	4.4	111	5.1	22	2.6	138	4.4	111	4.9	21	2.8
	Not Stated	21	0.7	9	0.4	11	1.3	21	0.7	10	0.4	9	1.2
First Marriage	<1	42	1.9	26	1.7	11	2.0	47	2.2	30	2.0	9	1.8
	1-4	532	24.6	360	23.9	150	26.6	539	25.5	388	25.7	127	25.2
	5-9	567	26.3	367	24.4	169	30.0	539	25.5	366	24.3	145	28.8
	10-14	367	17.0	249	16.5	104	18.4	354	16.7	239	15.8	99	19.6
	15-19	253	11.7	190	12.6	58	10.3	242	11.4	177	11.7	56	11.1
	20-24	179	8.3	141	9.4	33	5.9	173	8.2	136	9.0	31	6.2
	25-29	91	4.2	73	4.9	14	2.5	95	4.5	77	5.1	13	2.6
	30+	116	5.4	95	6.3	17	3.0	113	5.3	90	6.0	18	3.6
	Not Stated	13	0.6	4	0.3	8	1.4	13	0.6	5	0.3	6	1.2
Second Marriage	<1	18	2.6	9	1.8	9	5.0	9	1.4	5	1.0	4	2.8
	1-4	204	29.6	142	28.8	58	32.2	170	25.8	116	23.5	45	31.5
	5-9	189	27.4	134	27.2	48	26.7	203	30.8	155	31.4	41	28.7
	10-14	126	18.3	86	17.4	37	20.6	120	18.2	86	17.4	30	21.0
	15-19	75	10.9	60	12.2	13	7.2	81	12.3	66	13.4	14	9.8
	20-24	40	5.8	33	6.7	6	3.3	40	6.1	36	7.3	2	1.4
	25-29	16	2.3	14	2.8	2	1.1	14	2.1	11	2.2	3	2.1
	30+	18	2.6	14	2.8	4	2.2	18	2.7	16	3.2	2	1.4
	Not Stated	4	0.6	1	0.2	3	1.7	5	0.8	3	0.6	2	1.4
Third Marriage and more	<1	10	4.8	4	2.6	6	11.8	13	5.7	7	4.0	6	11.5
	1-4	73	34.9	49	32.0	22	43.1	82	35.8	63	35.8	19	36.5
	5-9	66	31.6	53	34.6	12	23.5	69	30.1	53	30.1	15	28.8
	10-14	33	15.8	22	14.4	10	19.6	38	16.6	29	16.5	9	17.3
	15-19	12	5.7	11	7.2	1	2.0	15	6.6	14	8.0	1	1.9
	20-24	7	3.3	6	3.9	0	0.0	8	3.5	6	3.4	2	3.8
	25-29	5	2.4	5	3.3	0	0.0	1	0.4	1	0.6	0	0.0
	30+	1	0.5	1	0.7	0	0.0	2	0.9	2	1.1	0	0.0
	Not Stated	2	1.0	2	1.3	0	0.0	1	0.4	1	0.6	0	0.0
Not Stated	<1	2	2.2	0	0.0	2	5.1	3	1.3	0	0.0	3	5.0
	1-4	18	19.4	6	12.8	11	28.2	36	15.7	18	22.8	16	26.7
	5-9	33	35.5	15	31.9	15	38.5	44	19.2	19	24.1	21	35.0
	10-14	17	18.3	13	27.7	4	10.3	31	13.5	21	26.6	9	15.0
	15-19	8	8.6	5	10.6	2	5.1	10	4.4	6	7.6	3	5.0
	20-24	7	7.5	4	8.5	3	7.7	12	5.2	7	8.9	5	8.3
	25-29	3	3.2	1	2.1	1	2.6	5	2.2	4	5.1	1	1.7
	30+	3	3.2	1	2.1	1	2.6	5	2.2	3	3.8	1	1.7
	Not Stated	2	2.2	2	4.3	0	0.0	2	0.9	1	1.3	1	1.7

DURNUMRC\_DET

**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 Health Statistics Center

TABLE B-18  
NUMBER AND PERCENT OF DIVORCES BY RACE OF HUSBAND AND WIFE  
AND NUMBER OF CHILDREN UNDER 18

DELAWARE, 2010

Number of Children Under 18	Race							
	All Races		White		Black		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Husband</b>	3152	100.0	2198	100.0	834	100.0	120	100.0
None	1743	55.3	1164	53.0	508	60.9	71	59.2
1	637	20.2	481	21.9	133	15.9	23	19.2
2	538	17.1	402	18.3	115	13.8	21	17.5
3	186	5.9	124	5.6	59	7.1	3	2.5
4	37	1.2	22	1.0	14	1.7	1	0.8
5+	11	0.3	5	0.2	5	0.6	1	0.8
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>Wife</b>	3152	100.0	2257	100.0	759	100.0	136	100.0
None	1743	55.3	1184	52.5	469	61.8	90	66.2
1	637	20.2	492	21.8	119	15.7	26	19.1
2	538	17.1	419	18.6	105	13.8	14	10.3
3	186	5.9	132	5.8	49	6.5	5	3.7
4	37	1.2	25	1.1	12	1.6	0	0.0
5+	11	0.3	5	0.2	5	0.7	1	0.7
Unknown	0	0.0	0	0.0	0	0.0	0	0.0

CHILD

**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 Health Statistics Center

The background of the slide consists of a series of parallel, diagonal gray lines that create a textured, striped effect. The lines are evenly spaced and run from the top-left towards the bottom-right.

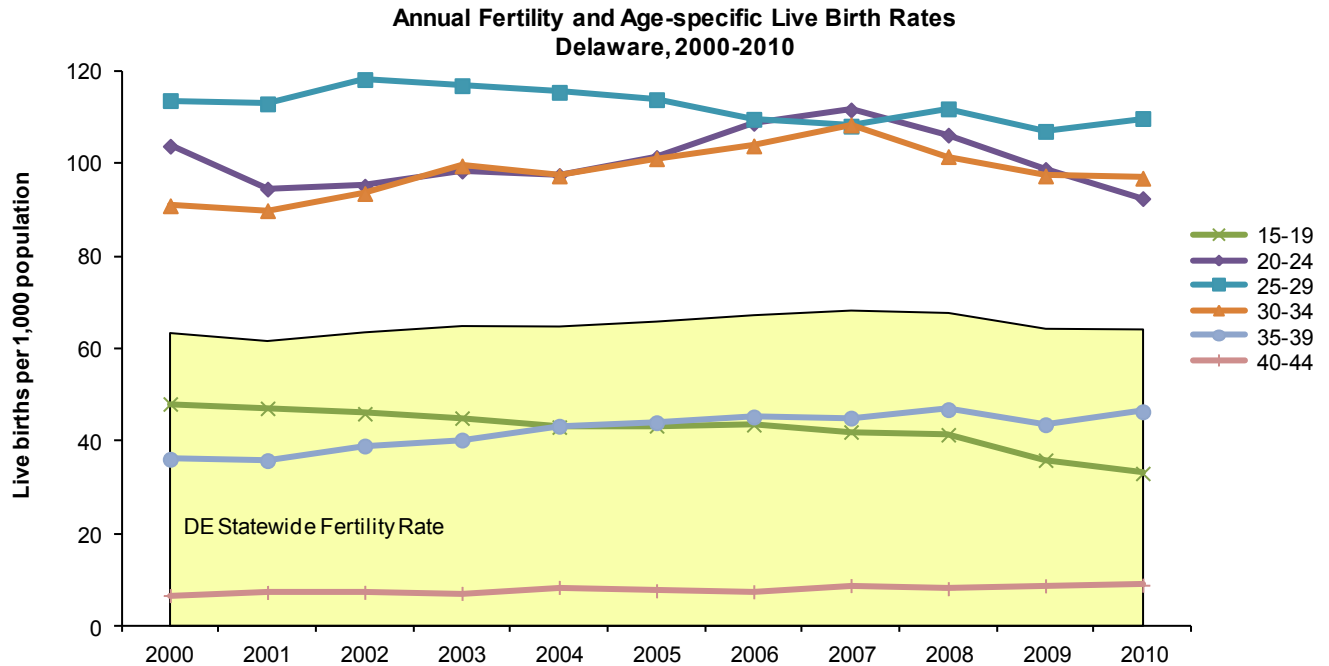
# Live Births

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## LIVE BIRTHS

In 2010, there were 11,682 births in Delaware; 10,727 were to Delaware residents and 955 were to non-residents. Additionally, 564 births to Delaware residents occurred out of state, for a total of 11,291 Delaware resident births, 78 fewer than in 2009.

The recent national declines in general fertility and live birth rates were also apparent in Delaware statistics. From 2007 to 2010, the general fertility rate (number of births per 1,000 women aged 15-44 years) declined from a high of 68.5 to 64.4 births per 1,000 women aged 15-44. The birth rate of teens (15-19) exhibited the largest decline, followed by rates for women ages 20-24 and women ages 30-34; birth rates for all three groups decreased by 10 percent or more. Birth rates of women 35 and older remained stable.



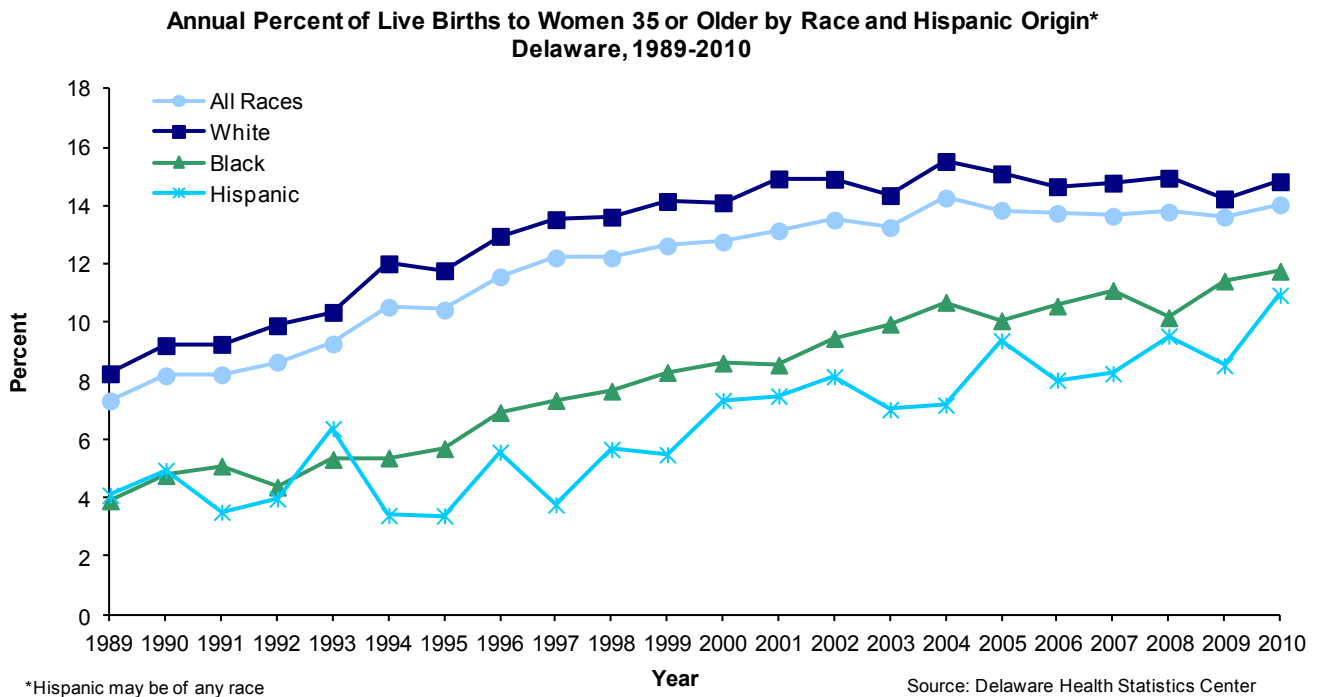
Source: Delaware Health Statistics Center

The 2007 to 2010 decline seen in teens aged 15-19 was apparent in both the 15-17 and 18-19 age groups, whose birth rates declined by 25 and 22 percent, respectively. Birth rates for teens in both age groups were highest in Sussex County.

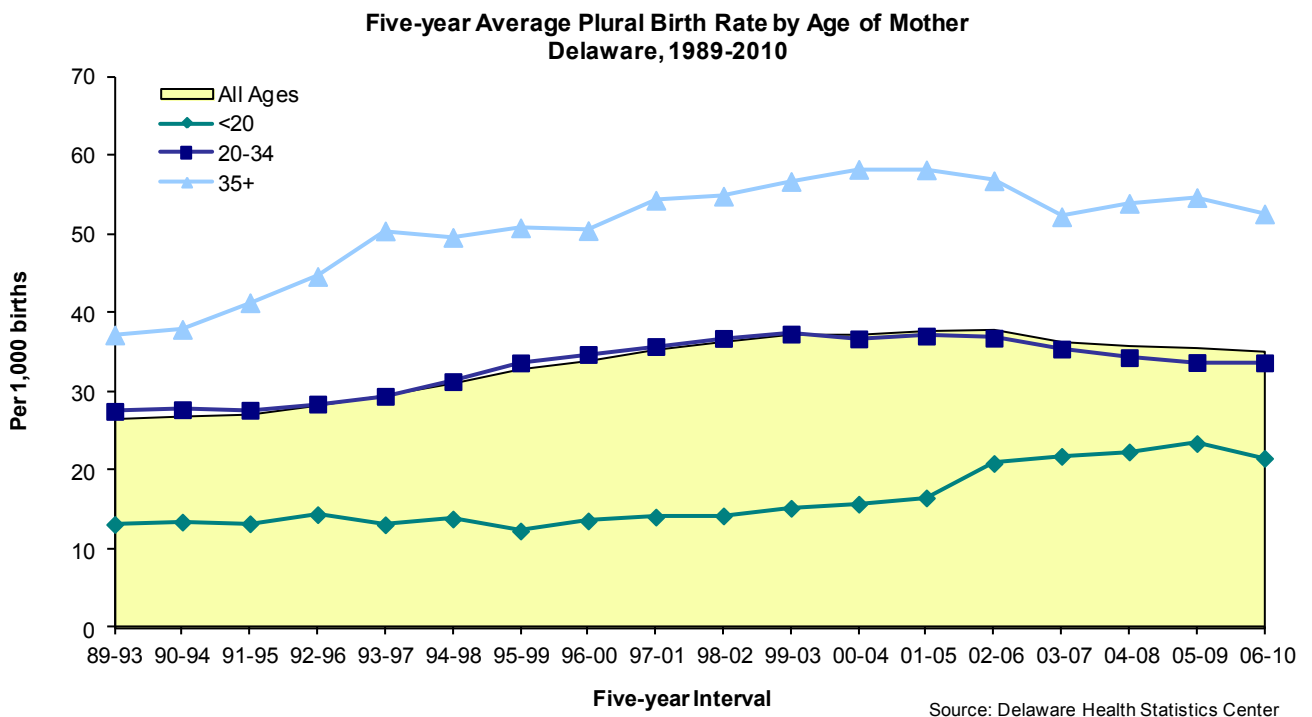
To view long-term birth rate trends by more detailed age and race categories, see Tables C-5 through C-8 in the Live Births section of the annual report.

## LIVE BIRTHS

Between 1989 and 2004, the percentage of births to women 35 and older exhibited a clear upward trend that has since stabilized. In 2010, 14 percent of all births were to women 35 and older, versus 7.3 percent of all births in 1989.



For mothers of all ages, the rate of plural births increased 32 percent between 1989-1993 and 2006-2010. In 2006-2010, older mothers (35+) had the highest plural birth rates, at 53 multiples per 1,000 births, more than double that of mothers under 20, and 56 percent higher than mothers 20-34.



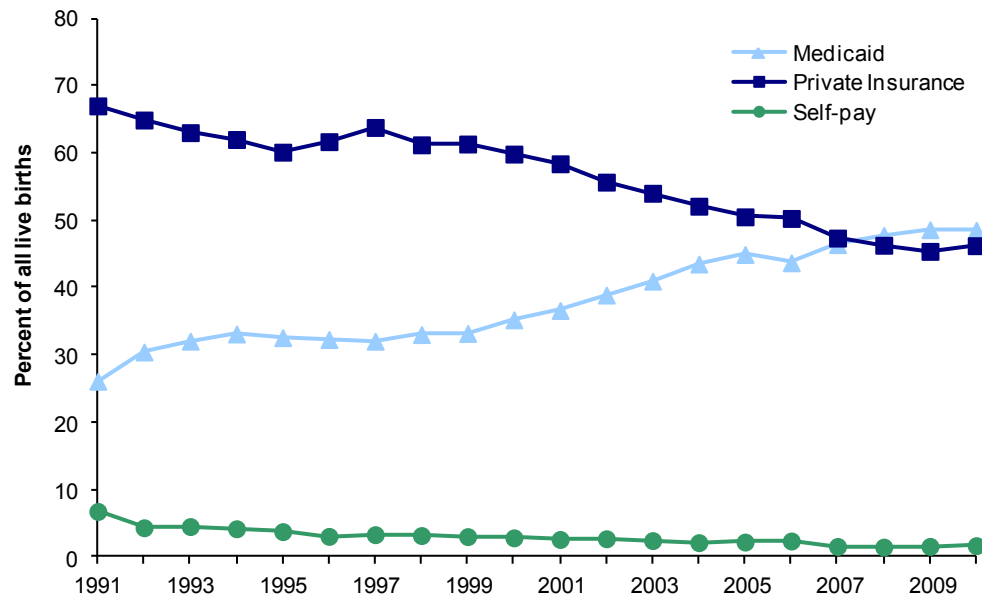


## LIVE BIRTHS

In 2010, 95 percent of live births had either private insurance or Medicaid listed as the primary source of payment; the remaining 5 percent were split between other government coverage and self-pay.

- For the last three years, Medicaid paid for more births than private insurance.
- Medicaid was the primary source of payment for the majority of mothers under 20, covering 80 percent of both black and white mothers, and 72 percent of mothers of other races.

**Percent of Births by Source of Payment for Delivery  
Delaware, 1991-2010**

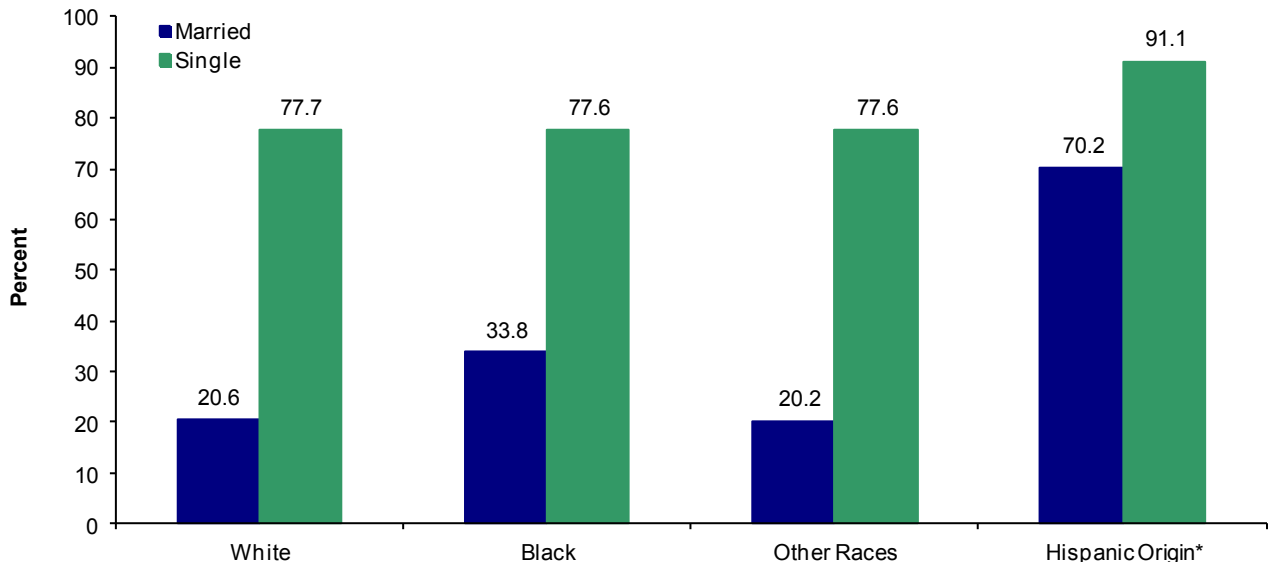


Source: Delaware Health Statistics Center

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

- 20.6 percent of white married women used Medicaid as their primary source of payment, but that number more than tripled, to 77.7 percent, for single white women.
- 33.8 percent of black married women used Medicaid as their primary source of payment, but that number more than doubled, to 77.6 percent, for single black women.
- 20.2 percent of married women of other races used Medicaid as their primary source of payment, but that number was three times higher, at 77.6 percent, if the mother was single.
- 70.2 percent of Hispanic married women used Medicaid as their primary source of payment; that number increased to 91.1 percent for single Hispanic women.

**Percent of Births by Race, Hispanic Origin, Marital Status, and  
Medicaid as Primary Source of Payment, Delaware, 2010**

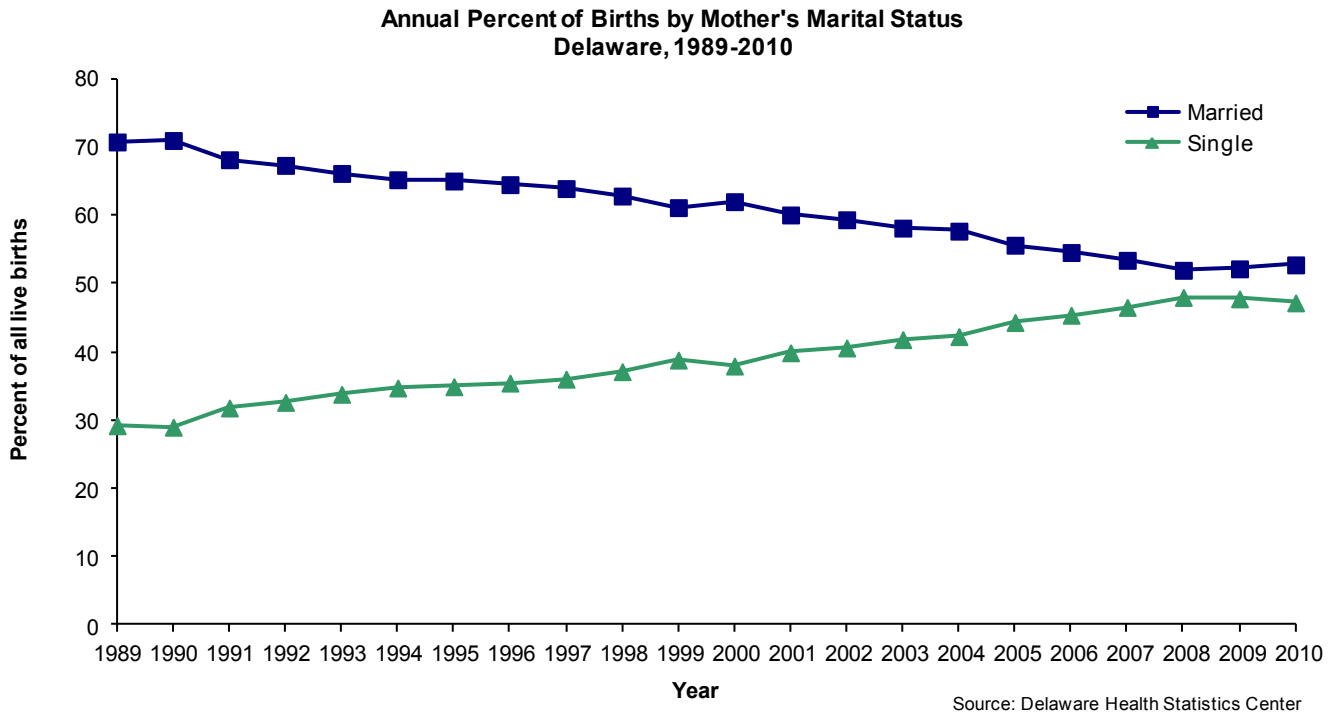


\*Hispanic may be of any race.

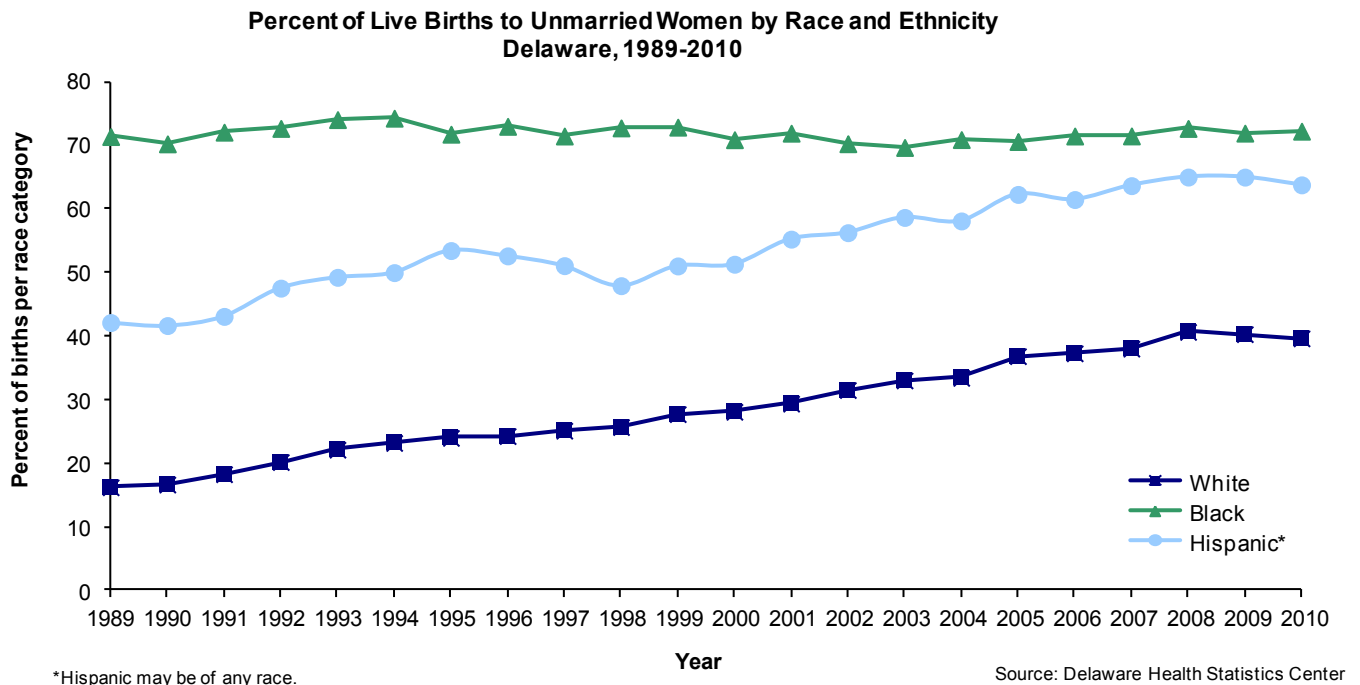
Source: Delaware Health Statistics Center

## LIVE BIRTHS

After increasing steadily from 1991 to 2008, the percent of births to unmarried women stabilized and there was little change between 2008 and 2010. In 2010, 47 percent of all births were to unmarried women.



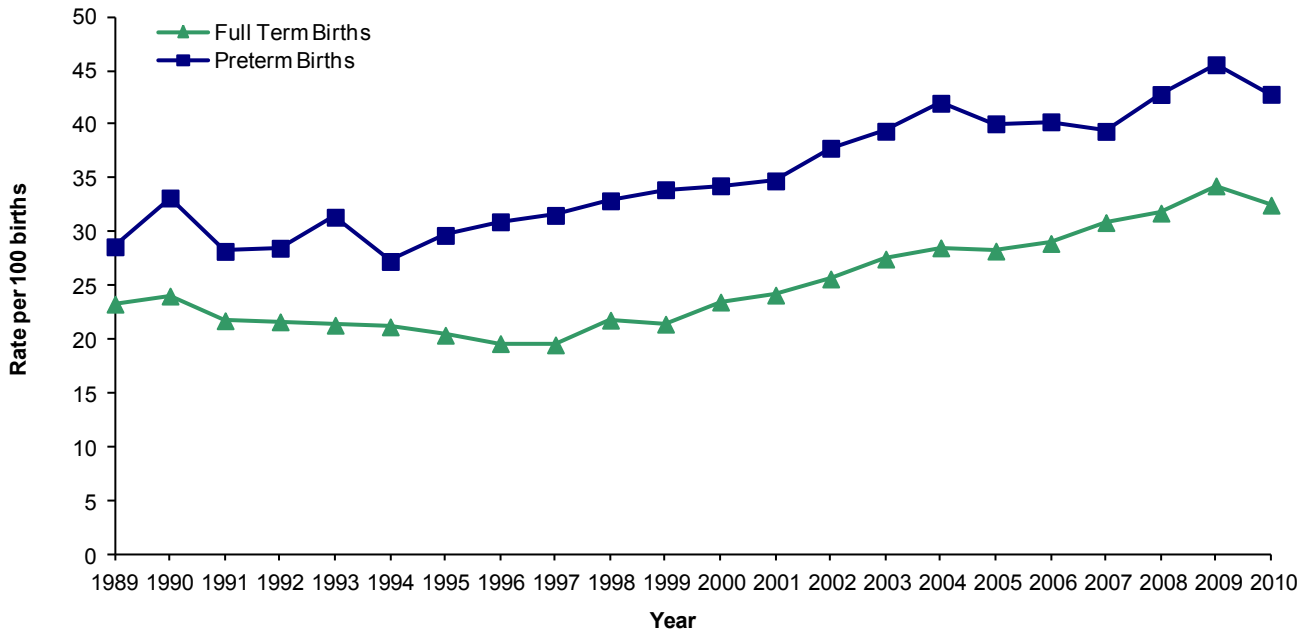
This shift in the distribution of mother's marital status was only apparent in births to white and Hispanic women. Between 1989 and 2010, the percentage of births to unmarried white women increased from 16 to 40 percent, and the percentage of births to unmarried Hispanic women rose from 42 to 64 percent. During the same time period, the percent of births to unmarried black women remained stable at approximately 72 percent.



## LIVE BIRTHS

From 1997 to 2010, the rate of cesarean deliveries increased 61 percent, to 33.8 per 100 live births. This increasing trend was apparent in both preterm (<37 weeks gestation) and term (37+ weeks gestation) births. Although term births demonstrated a greater increase in rates between 1997 and 2010, the c-section rate for preterm births remained significantly higher at 42.8 per 100 preterm births, versus 32.5 per 100 term births in 2010.

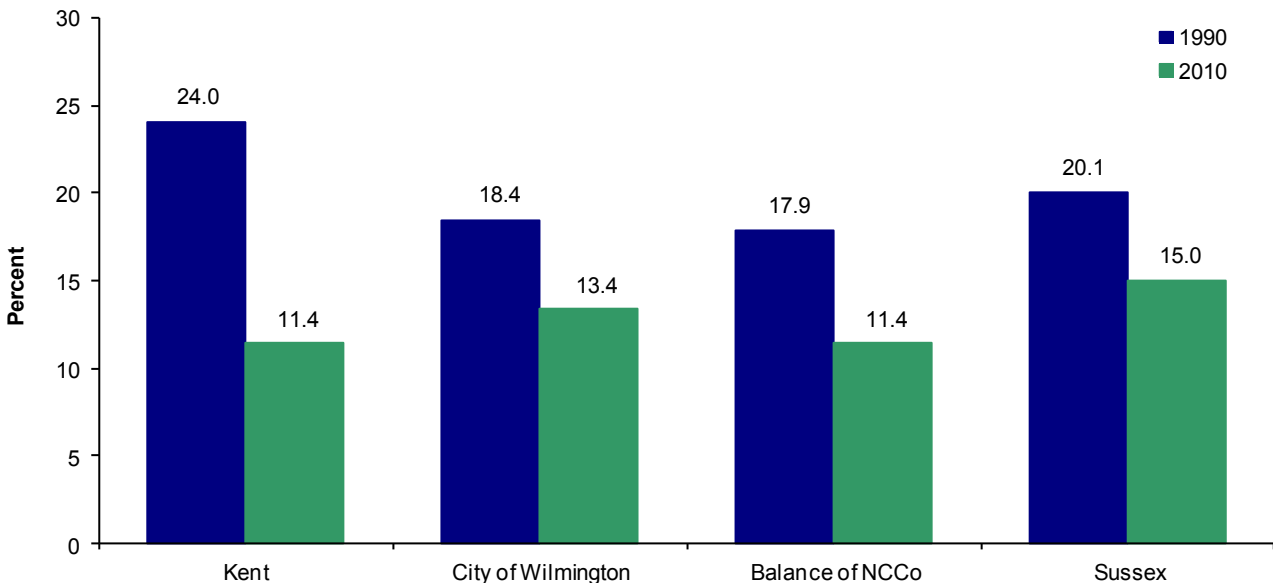
**Annual Rate of Cesarean Deliveries by Gestational Category  
Delaware, 1989-2010**



Source: Delaware Health Statistics Center

From 1990 to 2010, the percentage of Delaware mothers who used tobacco while pregnant decreased in all three counties and the city of Wilmington. In 2010, Sussex had the highest percentage of mothers who smoked while pregnant.

**Percent of Mothers who Smoked While Pregnant  
Delaware Counties and City of Wilmington, 1990 and 2010**



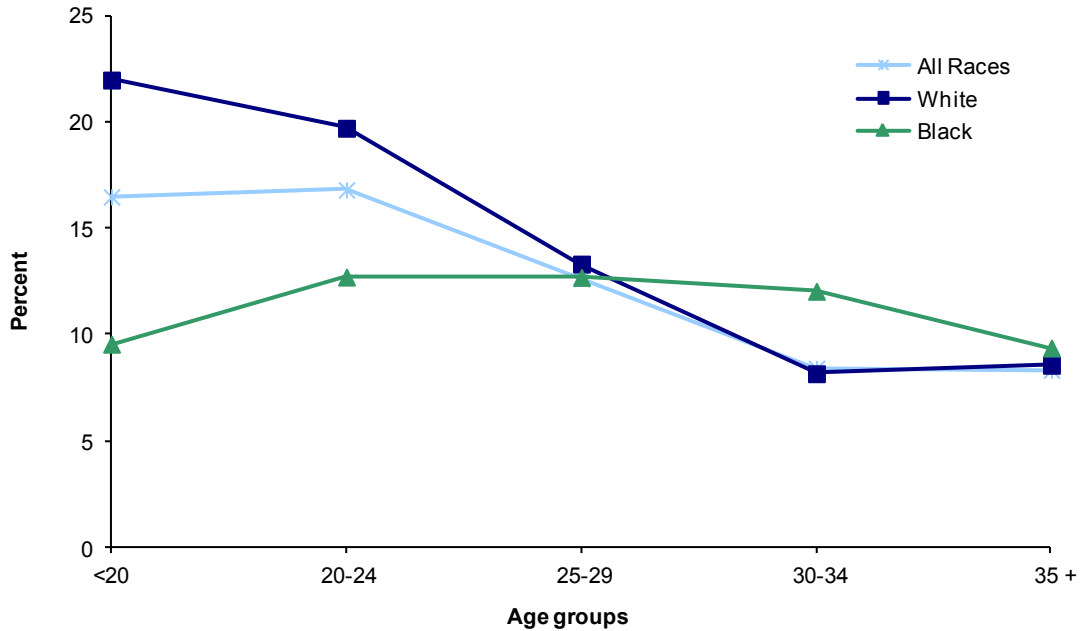
Source: Delaware Health Statistics Center

## LIVE BIRTHS

The largest percent of mothers who smoked while pregnant were white mothers under 20.

In the under 20 and 20-24 age groups, white mothers were more likely than black mothers to smoke while pregnant. In the 30-34 age group, black mothers were more likely to smoke while pregnant.

**Percent of Mothers who Smoked While Pregnant by Age Group and Race  
Delaware, 2010**

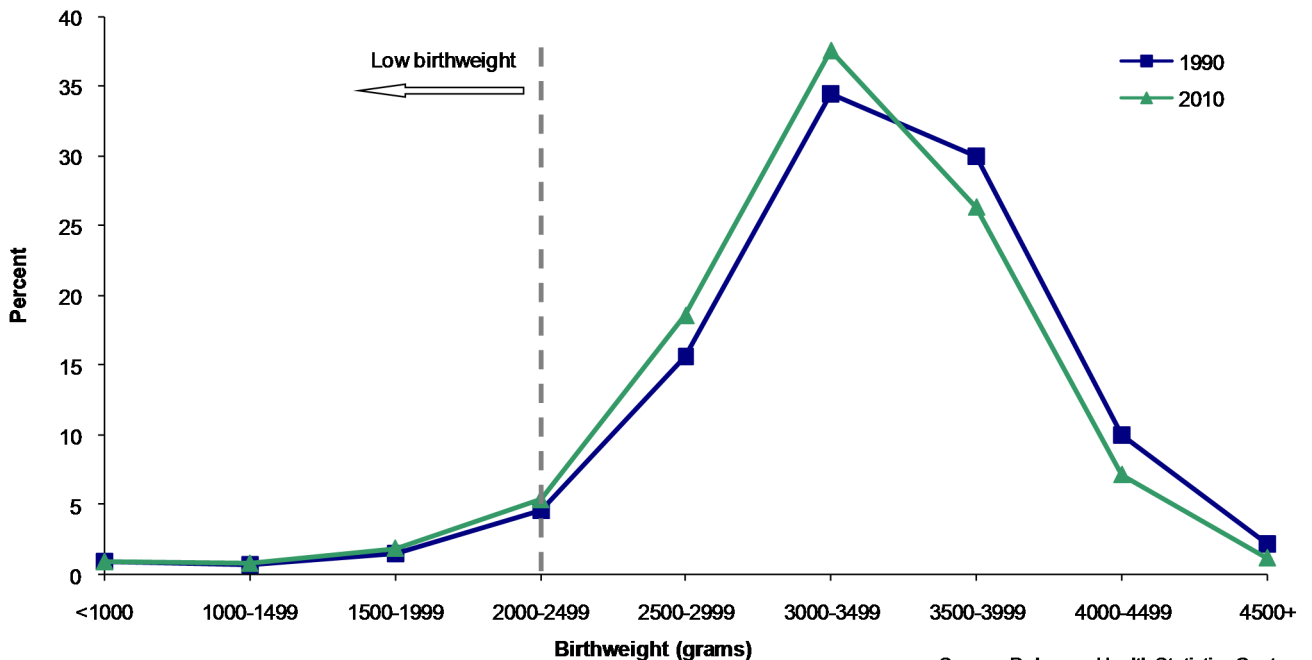


Source: Delaware Health Statistics Center

In 2010, 14.7 percent of Delaware women who smoked while pregnant gave birth to low birthweight babies (< 2500 grams), versus the significantly lower percentage (8.2) of non-smokers who gave birth to low birthweight babies.

The percent distribution of births by birthweight did not differ significantly between 1990 and 2010. The greatest percentage of births fell within the 3,000 to 3,499 gram range.

**Percent Distribution of Births by Birthweight  
Delaware, 1990 and 2010**

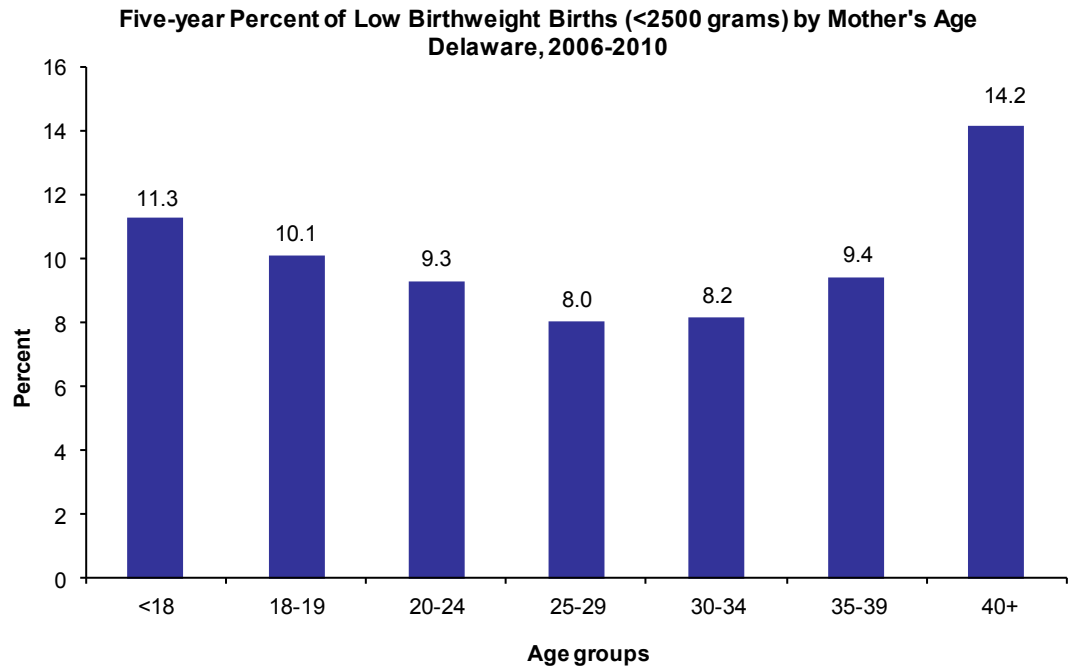


Source: Delaware Health Statistics Center

## LIVE BIRTHS

From 2005-2009 to 2006-2010, the five-year percent of low birthweight (LBW) births and very low birthweight (VLBW) births remained relatively stable at 9.0 and 2.0, respectively.

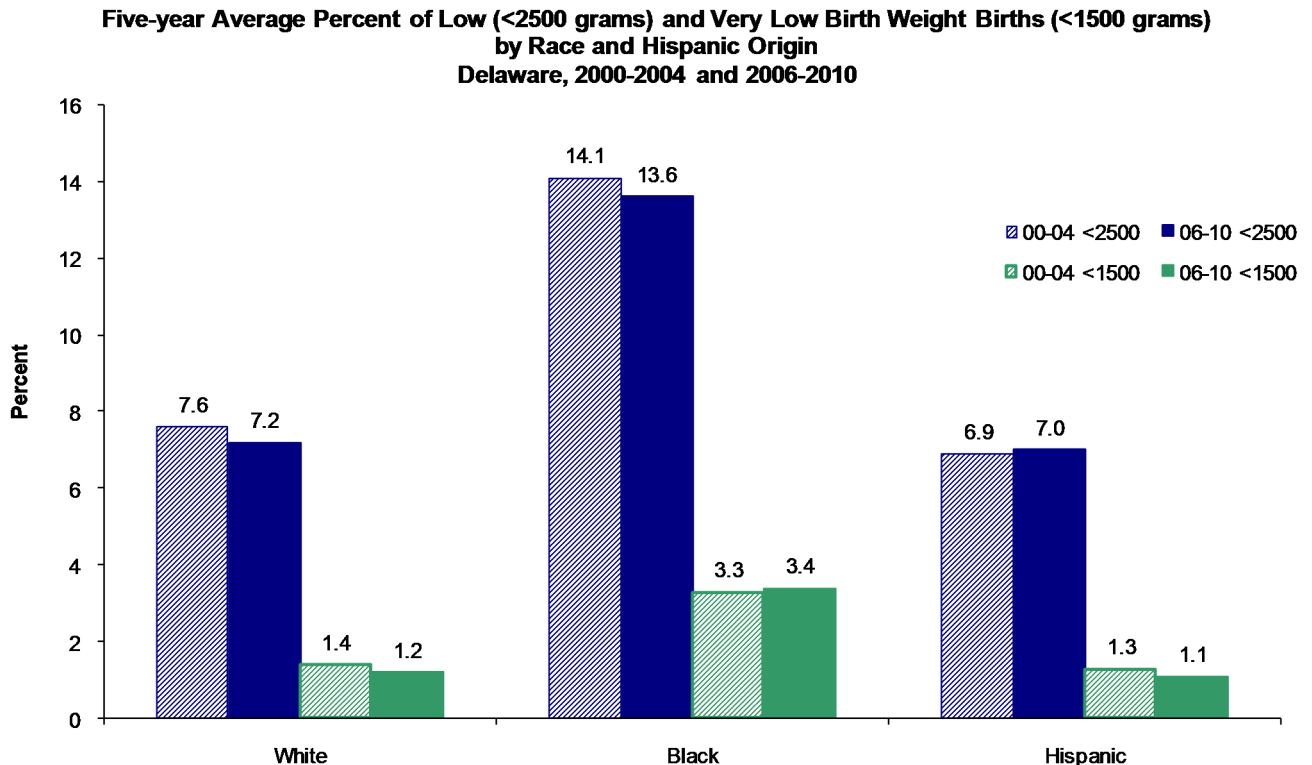
The percent of LBW births was greatest for mothers in the 40 and older age group (14.2 percent).



Source: Delaware Health Statistics Center

Among mothers of all ages, black mothers had the highest percentage of LBW and VLBW births, at 13.6 percent and 3.4 percent respectively.

Between 2000-2004 and 2006-2010, the percent of white and black infants born at low birthweight declined, while the percent of Hispanic infants born at LBW remained stable.



Source: Delaware Health Statistics Center

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TABLE C-1  
NUMBER OF LIVE BIRTHS BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2000-2010

(ALL RACES)

Area/ Age	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>U.S.</b>	4058814	4025933	4021726	4089950	4112052	4138349	4265555	4316233	4247694	4130665	3999386
<20	477509	453725	432808	421241	422043	421315	441832	451094	440522	414831	372175
20-24	1017806	1021627	1022106	1032305	1034454	1040388	1080437	1082354	1052184	1005982	951688
25-29	1087547	1058265	1060391	1086366	1104485	1131596	1181899	1208408	1195774	1166787	1133713
30+	1475952	1492316	1506421	1550038	1551070	1545050	1561387	1574377	1559214	1543065	1541810
<b>Delaware</b>	11046	10747	11083	11337	11358	11603	11894	12097	12016	11369	11291
<20	1361	1285	1233	1227	1198	1239	1281	1251	1251	1085	983
20-24	2703	2653	2799	2917	2861	2931	3056	3095	3000	2831	2707
25-29	2921	2781	2858	2878	2985	3101	3226	3335	3477	3280	3293
30+	4061	4028	4193	4315	4314	4332	4331	4416	4288	4173	4308
<b>Kent</b>	1957	1901	1902	2062	2010	2175	2230	2243	2294	2258	2228
<20	266	278	230	243	242	266	246	252	235	209	198
20-24	647	606	598	713	660	670	679	685	672	719	633
25-29	521	484	521	507	531	603	625	689	669	687	703
30+	523	533	553	599	577	636	680	617	718	643	694
<b>New Castle</b>	7110	6812	7163	7174	7120	7172	7300	7357	7229	6794	6780
<20	795	689	730	712	667	654	716	669	695	613	546
20-24	1472	1445	1587	1577	1502	1562	1652	1599	1554	1424	1418
25-29	1894	1761	1852	1840	1858	1922	1953	1965	2081	1921	1915
30+	2949	2917	2994	3045	3093	3034	2979	3124	2899	2836	2901
Wilmington	1253	1184	1254	1219	1162	1207	1341	1290	1295	1237	1064
<20	297	246	274	243	222	218	243	221	238	193	153
20-24	371	363	396	395	375	351	423	399	375	360	294
25-29	284	249	253	249	252	285	317	309	337	312	275
30+	301	326	331	332	313	353	358	361	345	372	342
Balance of NC County	5857	5628	5909	5955	5958	5965	5959	6067	5934	5557	5716
<20	498	443	456	469	445	436	473	448	457	420	393
20-24	1101	1082	1191	1182	1127	1211	1229	1200	1179	1064	1124
25-29	1610	1512	1599	1591	1606	1637	1636	1656	1744	1609	1640
30+	2648	2591	2663	2713	2780	2681	2621	2763	2554	2464	2559
<b>Sussex</b>	1979	2034	2018	2101	2228	2256	2364	2497	2493	2317	2283
<20	300	318	273	272	289	319	319	330	321	263	239
20-24	584	602	614	627	699	699	725	811	774	688	656
25-29	506	536	485	531	596	576	648	681	727	672	675
30+	589	578	646	671	644	662	672	675	671	694	713

Sources:  
National Center for Health Statistics  
Delaware Health Statistics Center

RESLVBR1

TABLE C-2  
NUMBER OF LIVE BIRTHS BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2000-2010

(WHITE)

Area/ Age	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>U.S.</b>	3194005	3177626	3174760	3225848	3222928	3229294	3310308	3336626	3274163	3173293	3069315
<20	337452	322658	309872	302024	300858	298910	311947	318103	309714	291731	261750
20-24	772811	779529	783000	790910	788264	790445	818253	818503	791852	751430	706130
25-29	874180	850343	851142	871496	880870	899406	935928	954168	942837	917877	893103
30+	1209562	1225096	1230746	1261418	1252936	1240533	1244180	1245852	1229760	1212255	1208332
<b>Delaware</b>	7889	7557	7772	7823	7897	8113	8110	7996	8113	7612	7566
<20	740	672	655	691	653	714	717	659	703	592	546
20-24	1717	1655	1778	1820	1817	1910	1894	1895	1871	1788	1659
25-29	2179	2036	2063	2035	2102	2224	2291	2278	2393	2270	2290
30+	3253	3194	3276	3277	3325	3265	3208	3164	3146	2962	3071
<b>Kent</b>	1412	1355	1350	1444	1388	1529	1557	1528	1578	1538	1502
<20	164	157	128	146	125	146	131	151	132	111	103
20-24	439	417	411	463	442	459	449	428	440	469	410
25-29	399	358	373	373	370	437	466	501	472	485	507
30+	410	423	438	462	451	487	511	448	534	473	482
<b>New Castle</b>	5032	4750	4921	4885	4816	4846	4802	4711	4560	4260	4264
<20	402	357	378	380	343	363	384	337	343	310	265
20-24	891	863	933	956	881	964	940	922	865	809	783
25-29	1383	1257	1313	1281	1257	1313	1334	1265	1327	1239	1233
30+	2356	2273	2297	2268	2335	2206	2144	2187	2025	1902	1983
Wilmington	465	439	462	477	437	475	488	472	446	423	444
<20	66	55	64	62	51	61	51	43	50	39	36
20-24	109	97	96	116	112	109	118	118	87	105	92
25-29	128	105	108	112	104	117	140	118	138	106	131
30+	162	182	194	187	170	188	179	193	171	173	185
Balance of NC County	4567	4311	4459	4408	4379	4371	4314	4239	4114	3837	3820
<20	336	302	314	318	292	302	333	294	293	271	229
20-24	782	766	837	840	769	855	822	804	778	704	691
25-29	1255	1152	1205	1169	1153	1196	1194	1147	1189	1133	1102
30+	2194	2091	2103	2081	2165	2018	1965	1994	1854	1729	1798
<b>Sussex</b>	1445	1452	1501	1494	1693	1738	1751	1757	1975	1814	1800
<20	174	158	149	165	185	205	202	171	228	171	178
20-24	387	375	434	401	494	487	505	545	566	510	466
25-29	397	421	377	381	475	474	491	512	594	546	550
30+	487	498	541	547	539	572	553	529	587	587	606

Sources:  
National Center for Health Statistics  
Delaware Health Statistics Center

RESLVBR2



TABLE C-3  
NUMBER OF LIVE BIRTHS BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2000-2010

(BLACK)

Area/ Age	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>U.S.</b>	622598	606156	593691	599847	616074	633134	666481	675676	670809	657618	636425
<20	122762	114298	106983	103677	105620	106742	113615	116006	114249	107548	96606
20-24	202596	199221	194704	196268	200398	203716	213877	215052	212493	208885	202082
25-29	141968	137400	136591	139947	147858	156161	166860	170270	169068	165737	160007
30+	155272	155237	155413	159955	162198	166515	172129	174348	174999	175448	177730
<b>Delaware</b>	2634	2702	2706	2865	2870	2881	3018	3251	3245	3159	3086
<20	597	568	540	504	516	494	523	531	526	479	419
20-24	890	903	912	981	946	936	1012	1037	1034	959	976
25-29	549	590	597	617	687	683	691	790	845	821	788
30+	598	641	657	763	721	768	792	893	840	900	903
<b>Kent</b>	464	479	478	559	529	549	578	645	645	646	638
<20	98	115	97	93	110	103	110	95	99	91	93
20-24	191	169	171	237	195	192	211	237	217	229	206
25-29	89	109	117	118	133	139	125	168	175	186	163
30+	86	86	93	111	91	115	132	145	154	140	176
<b>New Castle</b>	1744	1780	1858	1878	1879	1878	2026	2128	2152	2063	2019
<20	389	328	344	323	307	285	320	320	339	296	268
20-24	535	555	610	583	569	550	647	626	630	566	591
25-29	387	400	413	404	451	458	470	519	562	527	517
30+	433	497	491	568	552	585	589	663	621	674	643
Wilmington	775	734	775	728	707	710	820	802	824	794	601
<20	231	191	210	178	167	157	186	176	185	151	116
20-24	257	262	294	277	260	238	298	277	285	255	195
25-29	153	139	140	134	143	159	170	185	192	198	141
30+	134	142	131	139	137	156	166	164	162	190	149
Balance of NC County	969	1046	1083	1150	1172	1168	1206	1326	1328	1269	1418
<20	158	137	134	145	140	128	134	144	154	145	152
20-24	278	293	316	306	309	312	349	349	345	311	396
25-29	234	261	273	270	308	299	300	334	370	329	376
30+	299	355	360	429	415	429	423	499	459	484	494
<b>Sussex</b>	426	443	370	428	462	454	414	478	448	450	429
<20	110	125	99	88	99	106	93	116	88	92	58
20-24	164	179	131	161	182	194	154	174	187	164	179
25-29	73	81	67	95	103	86	96	103	108	108	108
30+	79	58	73	84	78	68	71	85	65	86	84

RESLVBR3

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

TABLE C-4  
NUMBER OF LIVE BIRTHS BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2000-2010

(HISPANIC ORIGIN<sup>1</sup>)

Area/ Age	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>U.S.</b>	815868	851851	876642	912329	946349	985505	1039077	1062779	1041239	999548	945180
<20	132107	132562	130321	130880	135400	139372	148125	150974	147240	138336	123609
20-24	247552	258431	265235	273311	279746	287896	303454	305262	293054	274726	254723
25-29	218167	227910	236143	246361	254358	266590	280615	287942	281319	270641	254982
30+	218042	232948	244943	261777	276845	291647	306883	318601	319626	315845	311866
<b>Delaware</b>	1023	1082	1313	1382	1519	1674	1917	1914	1845	1653	1426
<20	163	190	204	217	206	271	290	255	275	223	174
20-24	332	365	432	460	527	560	614	654	565	524	404
25-29	287	304	369	382	433	417	550	537	498	467	425
30+	241	223	308	323	353	426	463	468	507	439	423
<b>Kent</b>	90	105	110	121	143	165	166	199	185	197	156
<20	10	17	20	17	25	32	25	31	28	31	17
20-24	30	32	40	46	66	54	49	67	54	74	52
25-29	34	28	34	25	29	35	48	63	40	47	57
30+	16	28	16	33	23	44	44	38	63	45	30
<b>New Castle</b>	657	685	817	862	906	990	1183	1069	1015	906	760
<20	108	123	138	148	124	157	185	136	154	137	101
20-24	214	232	248	274	291	324	379	340	293	268	207
25-29	168	181	236	233	260	247	331	285	290	255	213
30+	167	149	195	207	231	262	288	308	278	246	239
Wilmington	194	185	217	221	205	223	267	228	200	174	172
<20	47	34	52	54	38	48	50	37	38	30	25
20-24	67	60	75	79	77	75	94	89	64	61	55
25-29	41	55	49	53	52	55	70	48	65	49	48
30+	39	36	41	35	38	45	53	54	33	34	44
Balance of NC County	463	500	600	641	701	767	916	841	815	732	588
<20	61	89	86	94	86	109	135	99	116	107	76
20-24	147	172	173	195	214	249	285	251	229	207	152
25-29	127	126	187	180	208	192	261	237	225	206	165
30+	128	113	154	172	193	217	235	254	245	212	195
<b>Sussex</b>	276	292	386	399	470	519	568	646	645	550	510
<20	45	50	46	52	57	82	80	88	93	55	56
20-24	88	101	144	140	170	182	186	247	218	182	145
25-29	85	95	99	124	144	135	171	189	168	165	155
30+	58	46	97	83	99	120	131	122	166	148	154

RESLVB4

**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 Health Statistics Center

TABLE C-5  
FIVE-YEAR AVERAGE TEENAGE LIVE BIRTH RATES BY AGE AND RACE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

Age/Area/ Race	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>Teens 15-19</b>																
<b>U.S.</b>	59.3	57.7	56.0	54.4	52.6	50.8	49.0	47.2	45.3	43.6	42.2	41.5	41.5	41.4	41.0	40.1
White	51.2	50.2	49.0	47.9	46.7	45.4	44.0	42.7	41.2	39.8	38.6	38.1	38.0	37.9	37.5	36.6
Black	106.9	101.6	96.8	92.2	87.7	84.0	80.5	76.3	71.9	68.4	65.3	63.9	63.6	63.4	62.7	61.2
<b>Delaware</b>	56.5	55.3	54.3	53.2	52.0	50.7	49.6	48.4	47.3	45.7	44.8	44.1	43.3	42.6	41.1	39.1
White	39.9	39.5	39.5	38.8	38.4	37.7	37.2	36.6	36.5	35.7	35.6	35.9	35.5	35.3	34.5	32.8
Black	119.4	113.7	108.2	104.0	98.8	94.9	90.4	86.5	81.6	77.5	73.4	69.9	67.2	65.6	62.9	60.0
<b>Kent</b>	66.8	64.3	61.4	58.0	56.7	55.2	54.7	52.4	51.6	48.7	47.7	45.2	44.9	43.6	42.1	39.6
White	53.9	53.3	52.3	50.8	50.5	50.6	49.8	46.2	44.5	40.3	38.2	35.8	36.3	35.2	34.5	32.4
Black	102.4	92.5	83.5	74.0	70.2	66.4	67.5	69.8	73.1	75.3	77.0	74.8	71.7	69.7	65.6	63.5
<b>New Castle</b>	48.2	47.7	46.1	45.8	44.9	44.1	42.7	43.0	42.4	41.3	40.2	40.0	38.3	37.2	35.9	34.3
White	32.5	32.6	31.3	30.9	30.4	29.9	29.6	30.9	31.5	31.4	31.5	32.2	31.1	30.1	29.3	27.6
Black	113.1	108.9	105.4	104.2	100.9	98.5	91.6	86.7	80.3	74.6	68.3	65.3	61.4	59.7	57.2	55.3
Wilmington	129.9	126.7	125.5	121.8	119.3	118.5	111.2	107.4	103.1	98.5	92.4	91.3	86.6	85.5	82.8	78.2
White	98.6	101.4	101.2	94.5	93.9	100.6	98.9	105.4	108.2	110.2	109.8	107.6	101.8	98.7	95.6	87.2
Black	158.3	151.7	149.4	145.4	141.4	138.2	129.0	122.0	115.3	108.2	99.9	97.9	92.6	92.0	89.2	85.0
<b>Sussex</b>	81.4	79.0	82.7	80.7	77.8	73.8	72.0	64.8	60.7	58.0	57.3	56.4	58.5	60.0	58.6	55.5
White	57.6	56.0	63.1	62.3	61.4	58.4	55.7	48.5	45.8	45.1	45.3	46.9	48.0	51.3	50.3	49.2
Black	164.0	158.9	153.5	146.7	134.0	124.5	119.6	108.3	97.6	91.5	90.3	83.7	87.6	87.3	86.5	78.3
<b>Teens 15-17</b>																
<b>U.S.</b>	37.5	36.5	35.3	33.8	32.1	30.3	28.4	26.7	25.1	23.8	22.7	22.2	22.0	21.8	21.5	20.8
<b>Delaware</b>	41.8	41.4	39.5	38.0	35.8	33.8	31.6	29.3	27.5	25.9	24.5	23.3	22.8	22.2	20.8	19.6
<b>Kent</b>	41.3	41.2	38.1	35.4	33.4	31.8	30.3	28.7	27.5	25.0	24.2	21.6	21.1	20.6	19.8	18.8
<b>New Castle</b>	38.8	38.5	36.2	34.9	33.3	31.8	29.6	28.4	27.0	25.1	23.3	22.4	21.4	20.5	19.1	18.1
<b>Sussex</b>	53.7	52.7	53.8	52.9	48.0	43.2	40.1	33.2	29.3	29.6	28.7	28.1	29.4	30.2	27.6	26.1
<b>Teens 18-19</b>																
<b>U.S.</b>	91.7	89.9	87.7	85.8	83.7	81.6	79.8	77.8	75.5	73.4	71.7	71.1	71.3	71.2	70.5	68.7
<b>Delaware</b>	74.7	73.2	73.8	73.4	73.3	72.6	73.1	74.1	74.7	74.5	75.6	76.3	75.0	73.9	72.1	68.2
<b>Kent</b>	105.0	100.7	99.5	95.6	94.2	91.1	91.2	87.5	87.1	84.4	83.8	81.4	80.4	77.6	74.5	69.7
<b>New Castle</b>	58.8	58.3	57.9	58.8	58.6	58.5	58.2	61.1	62.3	64.0	65.6	67.6	65.0	63.7	61.9	58.9
<b>Sussex</b>	123.4	119.5	127.9	125.3	126.9	125.3	126.1	117.8	112.6	103.6	101.2	99.2	102.3	104.1	104.0	99.3

FYATEEN

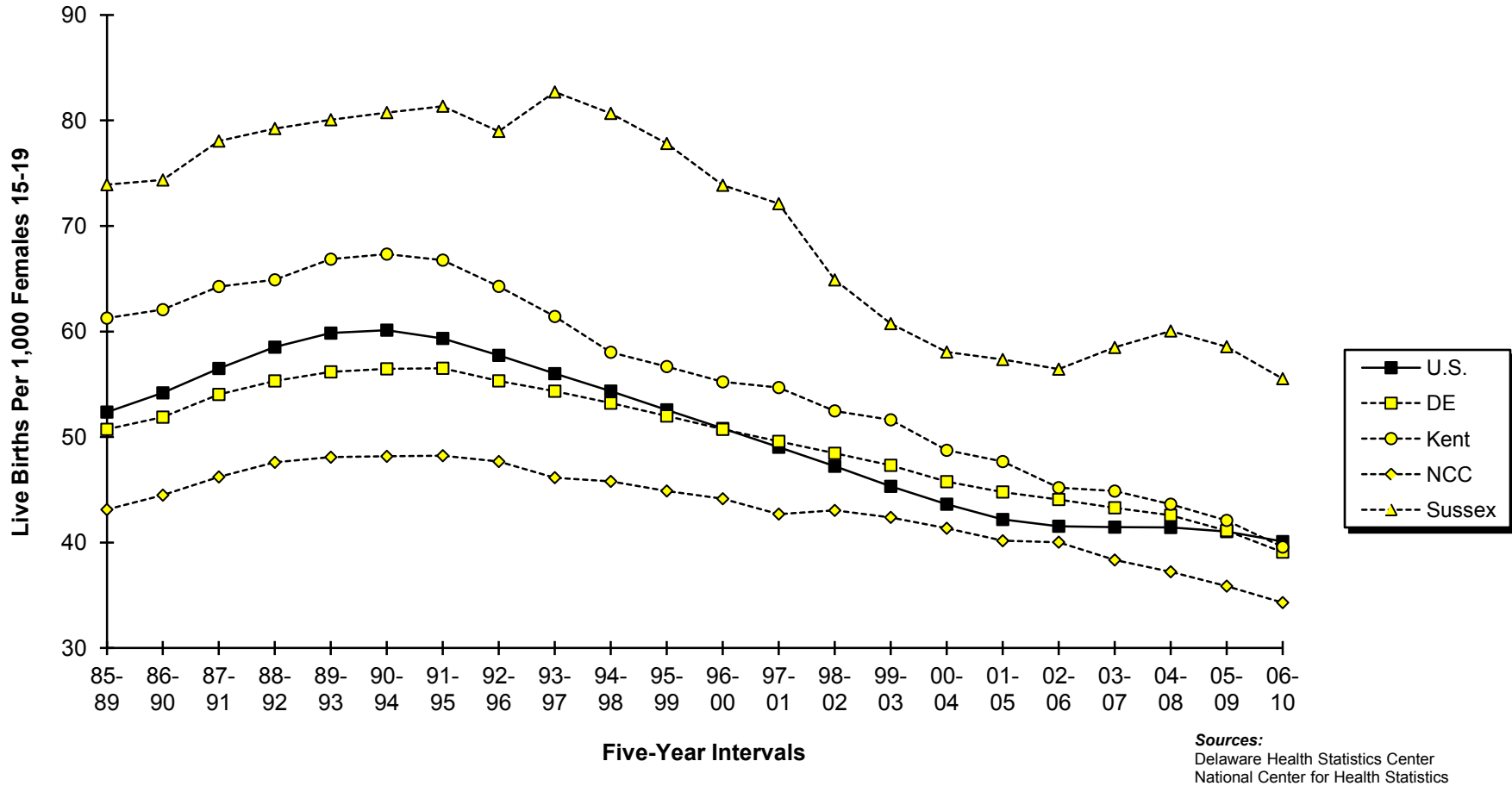
**Notes:**

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.

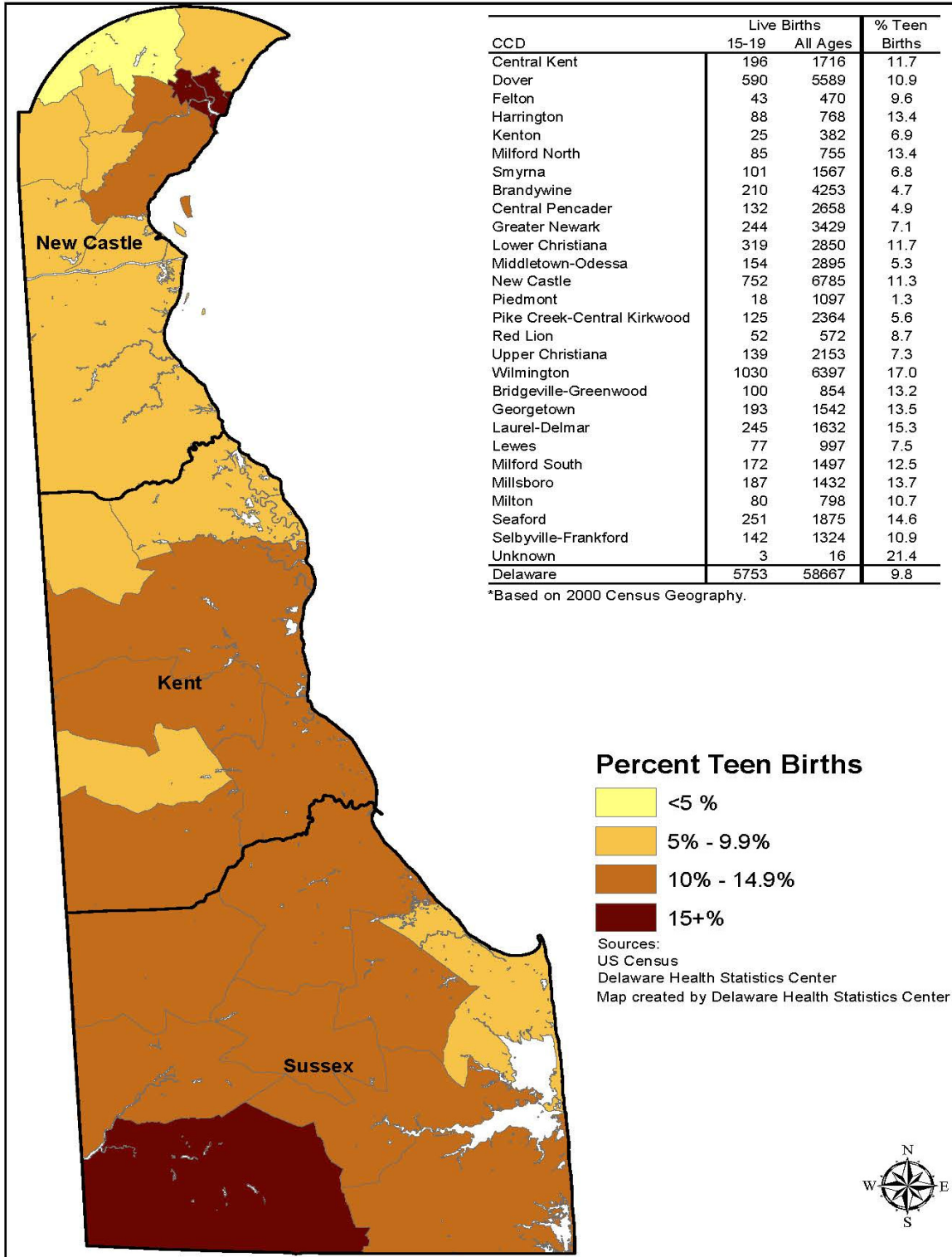
**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

**Figure C-1**  
**Five-Year Average Teenage (15-19) Live Birth Rates**  
**U.S., Delaware and Counties, 1985-2010**



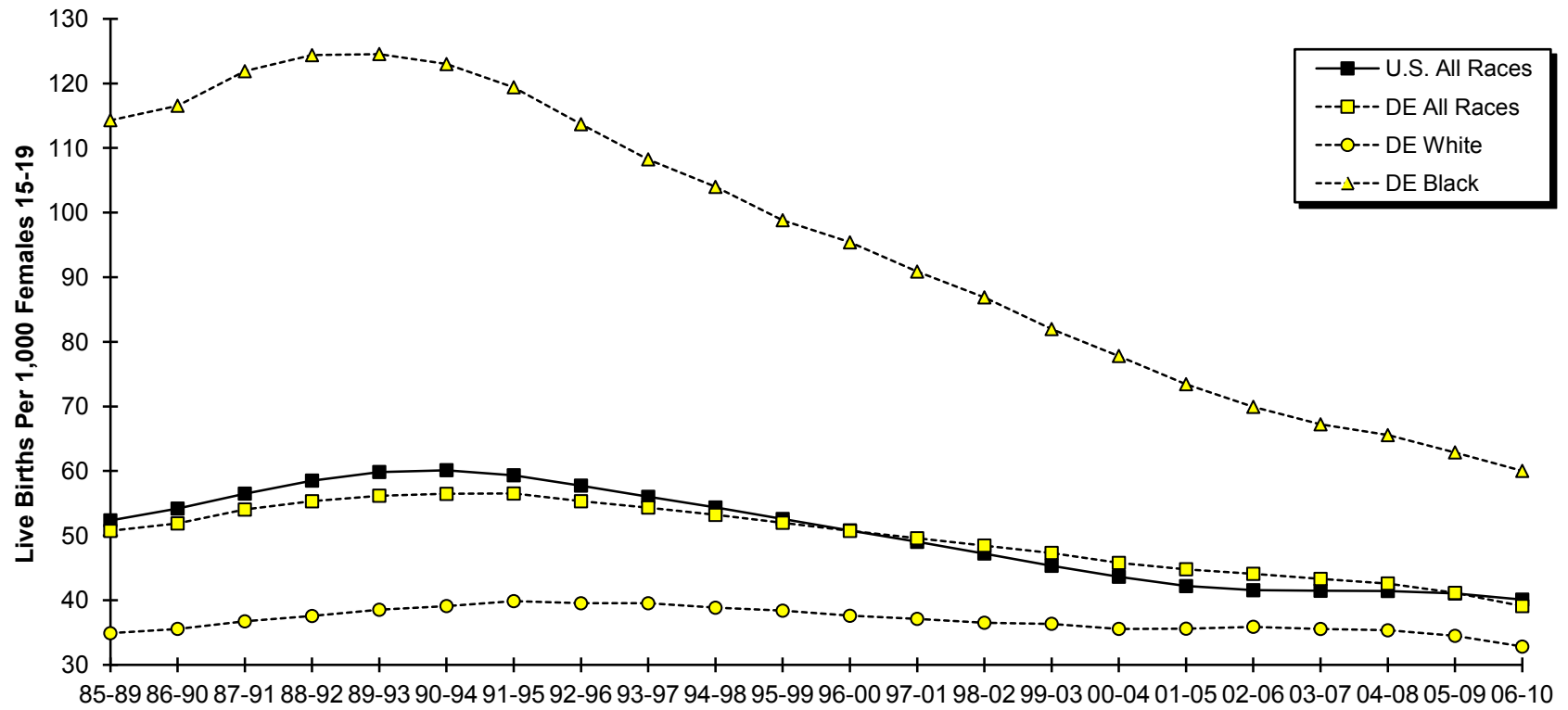
**Figure C-2**  
**Five-year Average Percent Live Births to Teens (15-19) by Census County Division\***  
**Delaware, 2006-2010**



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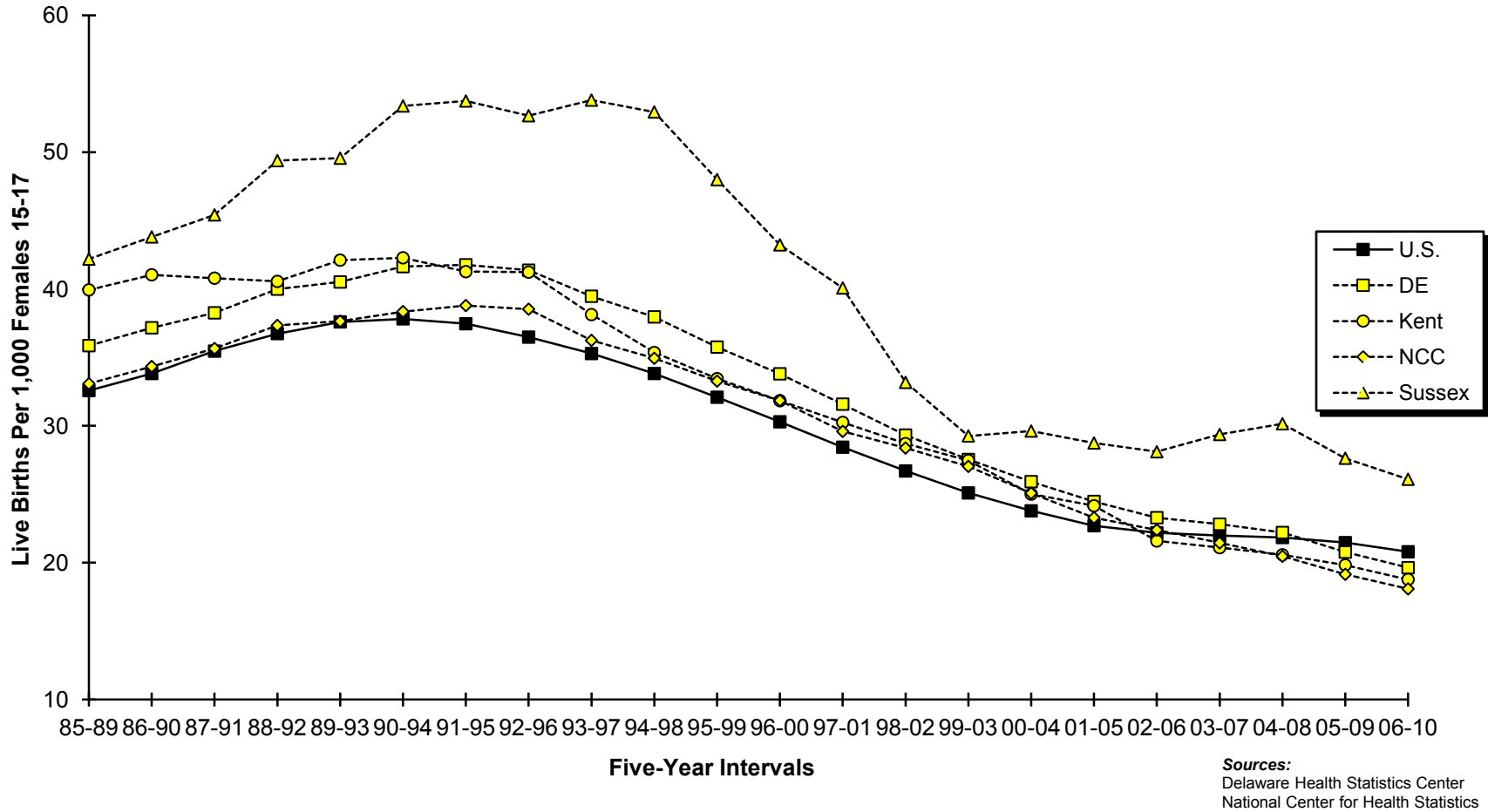
**Figure C-3**  
**Five-Year Average Teenage (15-19) Live Birth Rates by Race**

**U.S. and Delaware, 1985-2010**



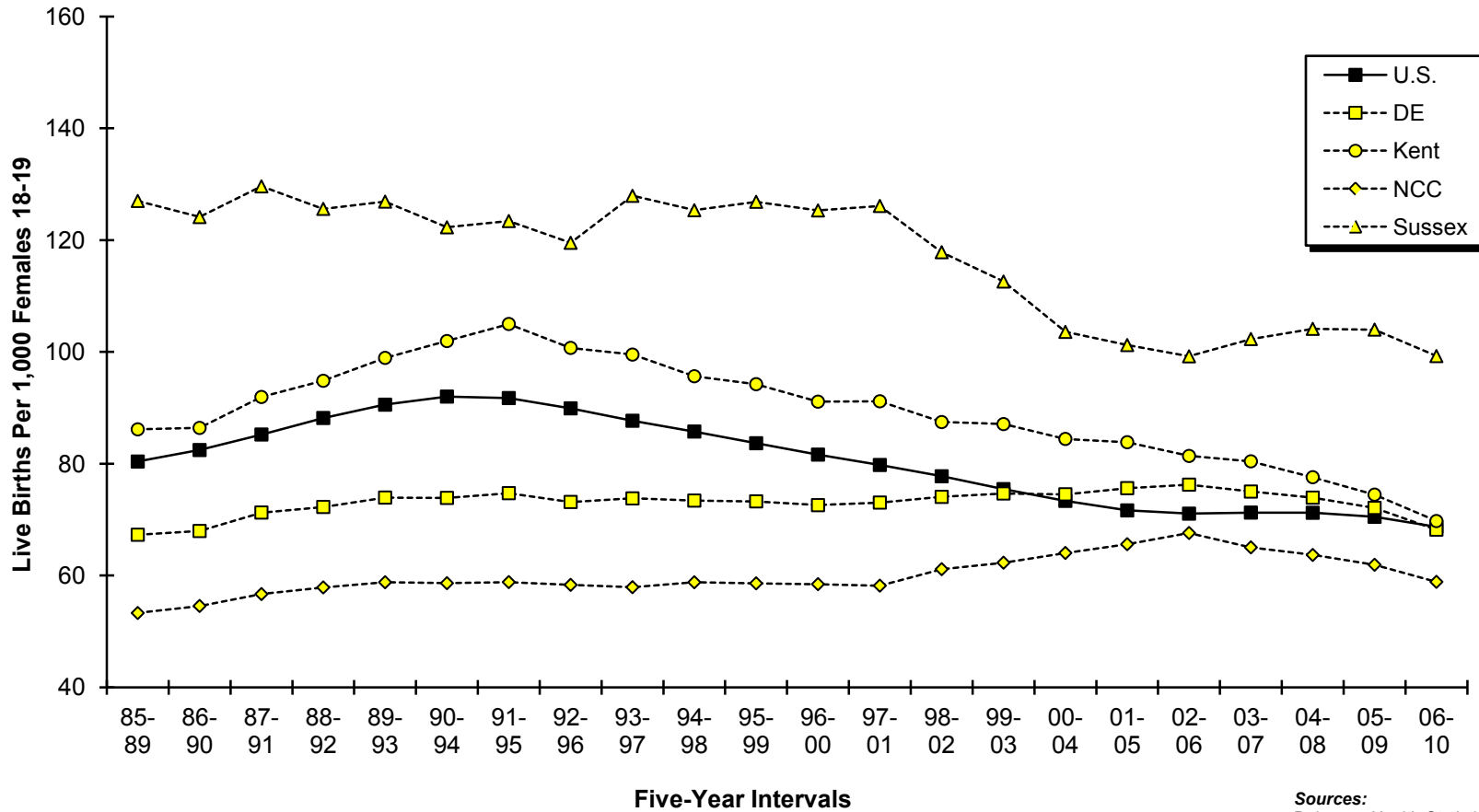
**Sources:**  
 Delaware Health Statistics Center  
 National Center for Health Statistics

**Figure C-4**  
**Five-Year Average Teenage (15-17) Live Birth Rates**  
**U.S., Delaware and Counties, 1985-2010**



**Figure C-5**  
**Five-Year Average Teenage (18-19) Live Birth Rates**

**U.S., Delaware and Counties, 1985-2010**



**Sources:**  
 Delaware Health Statistics Center  
 National Center for Health Statistics



TABLE C-6  
FIVE-YEAR GENERAL FERTILITY AND AGE-SPECIFIC LIVE BIRTH RATES

U.S., DELAWARE AND COUNTIES, 1991-2010

(ALL RACES)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>																
General	67.6	66.7	65.9	65.5	65.4	65.4	65.4	65.5	65.6	65.8	66.0	66.7	67.7	68.1	68.2	67.7
10-14	1.4	1.3	1.3	1.2	1.1	1.0	0.9	0.9	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6
15-19	59.3	57.7	56.0	54.4	52.6	50.8	49.0	47.2	45.3	43.6	42.2	41.5	41.5	41.4	41.0	40.1
20-24	112.6	111.4	110.4	110.1	110.2	110.1	109.2	107.8	106.0	104.2	102.8	102.9	103.4	103.3	102.3	99.9
25-29	115.6	114.5	113.6	113.7	114.4	114.8	114.9	115.2	115.3	114.9	115.4	116.1	116.7	116.3	115.2	113.4
30-34	80.9	81.7	82.7	84.0	85.6	87.3	89.0	90.5	92.2	93.5	94.6	96.0	97.7	98.5	98.8	98.7
35-39	33.1	33.7	34.4	35.3	36.3	37.4	38.4	39.5	40.8	42.3	43.7	45.1	46.4	47.1	47.3	47.3
40-44	6.1	6.3	6.6	6.8	7.0	7.3	7.6	7.8	8.1	8.4	8.7	8.9	9.2	9.4	9.6	9.9
45-49**	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7
<b>Delaware</b>																
General	63.9	62.2	61.3	60.8	60.7	61.2	61.7	62.4	63.1	63.8	64.3	65.4	66.4	67.0	66.9	66.5
10-14	2.2	2.2	2.0	1.9	1.7	1.5	1.3	1.2	1.0	0.9	0.8	0.8	0.7	0.7	0.7	0.7
15-19	56.5	55.3	54.3	53.2	52.0	50.7	49.6	48.5	47.3	45.8	44.8	44.1	43.3	42.6	41.1	39.1
20-24	93.0	90.8	89.4	90.6	92.5	95.8	96.6	98.0	98.3	97.7	97.4	100.1	103.3	104.9	105.2	103.4
25-29	110.8	106.3	104.8	103.7	104.1	105.8	108.8	111.6	113.8	115.4	115.4	114.6	112.5	111.6	110.0	109.2
30-34	81.0	81.4	82.0	82.8	83.6	85.1	86.5	88.5	91.3	94.1	96.1	98.9	101.9	102.3	102.3	101.4
35-39	29.4	29.9	31.0	32.1	32.9	34.0	34.8	36.0	37.1	38.7	40.3	42.2	43.5	44.8	44.9	45.3
40-44	4.7	5.0	5.1	5.3	5.4	5.9	6.2	6.5	6.8	7.3	7.5	7.5	7.8	8.0	8.1	8.3
45-49**	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5	0.6
<b>Kent</b>																
General	68.6	67.6	65.8	65.0	64.6	65.5	65.2	65.8	66.4	66.0	66.3	67.0	67.7	67.6	68.0	67.4
10-14	1.7	1.7	1.5	1.5	1.6	1.5	1.2	1.2	1.0	0.9	1.0	0.9	0.8	0.8	0.6	0.4
15-19	66.8	64.3	61.4	58.0	56.7	55.2	54.7	52.5	51.6	48.7	47.7	45.2	44.9	43.6	42.1	39.6
20-24	126.2	128.2	125.5	128.7	130.0	136.2	133.3	133.5	132.5	130.2	125.4	124.5	125.2	120.7	120.3	116.8
25-29	114.2	112.5	111.4	112.2	112.1	115.0	116.1	120.1	119.8	119.3	120.0	120.0	118.9	117.5	116.8	115.5
30-34	69.3	69.8	70.4	70.0	70.5	71.9	72.5	73.0	76.2	77.9	80.2	83.4	85.2	86.6	87.7	87.3
35-39	22.1	22.6	23.1	23.7	25.5	26.6	27.8	29.2	30.3	30.5	32.0	34.3	34.7	37.0	36.9	37.0
40-44	4.3	4.7	4.8	5.0	4.6	4.9	4.8	5.1	5.4	5.6	6.2	6.7	6.8	6.7	6.8	7.0
45-49**	0.3	0.2	0.3	0.2	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.3	0.3	0.2	0.3	0.4
<b>New Castle</b>																
General	61.6	59.8	58.9	58.6	58.6	59.1	59.5	60.3	61.0	61.6	61.9	63.0	63.5	63.8	63.5	63.1
10-14	2.1	2.1	1.8	1.8	1.6	1.4	1.2	1.0	0.9	0.8	0.6	0.6	0.6	0.6	0.7	0.7
15-19	48.2	47.7	46.1	45.8	44.9	44.1	42.7	43.0	42.4	41.4	40.2	40.0	38.3	37.2	35.9	34.3
20-24	75.2	72.0	70.8	71.1	73.9	75.9	76.9	78.2	78.8	77.7	78.2	82.0	85.3	88.1	89.3	88.6
25-29	109.0	103.7	101.5	99.7	99.7	101.1	103.9	106.5	108.8	109.9	108.7	106.8	102.8	101.0	99.3	98.9
30-34	87.8	88.4	88.8	89.8	90.3	91.8	93.0	94.9	96.8	99.6	101.4	104.0	107.6	108.5	107.9	106.1
35-39	32.4	33.0	34.7	35.9	37.0	38.5	39.4	40.1	41.4	43.0	44.6	46.3	47.7	48.3	48.1	48.5
40-44	5.2	5.3	5.5	5.7	5.9	6.4	6.9	7.2	7.4	8.0	8.1	8.1	8.6	8.9	8.9	9.2
45-49**	0.2	0.2	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.7
<b>Sussex</b>																
General	68.9	66.7	66.5	66.2	65.4	65.6	66.9	67.3	68.2	70.4	71.6	73.2	75.8	77.8	77.9	77.8
10-14	3.1	3.0	2.9	2.8	2.3	2.0	1.8	1.7	1.4	1.3	1.1	1.1	1.0	1.0	1.0	0.9
15-19	81.4	79.0	82.7	80.7	77.8	73.9	72.1	64.9	60.7	58.1	57.3	56.4	58.5	60.0	58.6	55.5
20-24	145.3	141.2	138.6	140.4	138.6	144.5	149.4	153.0	152.5	154.7	151.4	148.2	147.8	147.2	142.0	136.6
25-29	115.5	111.7	112.6	112.5	115.3	116.7	122.7	124.3	128.5	134.5	139.1	142.8	148.8	152.5	148.8	145.2
30-34	64.2	64.2	65.9	67.3	69.1	71.0	73.7	77.5	83.2	87.6	90.6	94.4	97.0	95.2	96.8	99.2
35-39	24.1	24.3	23.9	25.0	24.0	23.8	24.7	27.0	28.0	30.8	32.3	34.6	36.0	39.0	40.6	42.1
40-44	3.4	3.8	4.0	4.1	4.2	4.9	4.9	5.4	5.8	6.3	6.3	6.3	6.1	6.2	6.4	6.6
45-49**	0.2	0.2	0.1	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.4	0.3	0.5	0.4

AGEFERT1

**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 Health Statistics Center

TABLE C-7  
FIVE-YEAR GENERAL FERTILITY AND AGE-SPECIFIC LIVE BIRTH RATES

U.S., DELAWARE AND COUNTIES, 1991-2010

(WHITE)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>																
General	65.6	65.0	64.5	64.3	64.4	64.6	64.7	65.0	65.3	65.6	65.8	66.5	67.3	67.7	67.6	67.1
10-14	0.8	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4
15-19	51.2	50.2	49.0	47.9	46.7	45.4	44.0	42.7	41.2	39.8	38.6	38.1	38.0	37.9	37.5	36.6
20-24	107.2	106.7	106.3	106.3	106.5	106.5	105.8	104.8	103.4	101.8	100.5	100.3	100.6	100.2	98.9	96.3
25-29	117.1	116.5	115.9	116.4	117.4	117.9	118.2	118.7	118.9	118.6	119.0	119.6	119.8	119.0	117.5	115.5
30-34	82.3	83.5	84.7	86.3	88.3	90.3	92.3	94.1	96.0	97.3	98.4	99.7	101.1	101.7	101.8	101.6
35-39	33.0	33.7	34.5	35.5	36.6	37.7	38.9	40.1	41.5	43.1	44.6	46.1	47.3	47.8	47.8	47.7
40-44	5.9	6.2	6.4	6.7	6.9	7.2	7.5	7.7	8.0	8.3	8.6	8.8	9.1	9.3	9.5	9.7
45-49**	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6
<b>Delaware</b>																
General	61.2	60.5	60.1	59.7	59.6	60.1	60.2	60.7	61.3	62.0	62.8	64.1	65.0	66.0	66.1	65.8
10-14	0.8	0.8	0.8	0.8	0.8	0.7	0.6	0.6	0.6	0.5	0.4	0.5	0.4	0.4	0.4	0.4
15-19	39.9	39.5	39.5	38.8	38.4	37.6	37.1	36.5	36.3	35.6	35.6	35.9	35.5	35.3	34.5	32.8
20-24	80.5	80.1	79.5	80.5	81.8	84.7	84.5	85.6	85.9	86.1	87.1	90.5	94.0	96.8	98.2	96.4
25-29	114.8	112.0	111.5	110.8	111.3	112.5	114.8	116.5	117.7	118.2	118.2	117.2	114.2	113.2	111.9	111.5
30-34	86.9	88.5	89.7	91.0	92.6	94.8	96.1	98.4	100.9	103.7	105.2	108.1	110.6	111.4	110.7	109.5
35-39	31.4	32.2	33.4	34.5	35.3	36.2	37.1	38.3	39.3	41.0	43.0	44.8	46.0	47.9	47.8	47.9
40-44	5.0	5.3	5.4	5.6	5.7	6.2	6.5	6.8	7.0	7.4	7.5	7.5	7.6	7.7	7.7	8.0
45-49**	0.2	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6
<b>Kent</b>																
General	67.9	68.0	66.4	65.9	65.3	66.4	65.9	66.5	67.0	66.4	66.8	67.8	68.5	68.9	69.9	69.5
10-14	0.8	1.1	1.0	0.9	0.9	0.9	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.3	0.3
15-19	53.9	53.3	52.3	50.8	50.5	50.6	49.7	46.2	44.5	40.2	38.2	35.8	36.3	35.2	34.5	32.4
20-24	127.3	129.6	125.4	127.9	129.8	138.0	138.4	143.7	144.3	142.3	136.5	131.7	126.4	119.5	116.8	111.7
25-29	119.4	121.1	121.1	122.8	121.7	124.8	124.9	127.3	127.7	128.0	131.1	136.1	140.3	141.2	142.3	140.1
30-34	73.0	74.1	75.1	74.9	75.7	77.1	77.5	78.9	82.5	84.6	87.7	92.1	94.0	97.1	99.8	101.0
35-39	24.1	24.9	24.7	25.2	26.6	27.4	28.5	30.4	31.9	32.1	34.0	35.9	36.3	38.9	39.3	39.5
40-44	4.8	5.4	5.5	5.6	4.8	5.1	5.0	5.2	5.3	5.7	6.2	6.4	6.5	6.6	6.5	6.4
45-49**	0.4	0.3	0.3	0.3	0.4	0.4	0.6	0.5	0.6	0.4	0.5	0.3	0.3	0.3	0.4	0.4
<b>New Castle</b>																
General	59.3	58.5	58.0	57.5	57.5	57.8	58.0	58.6	59.2	59.6	60.2	61.3	61.8	62.1	61.6	61.1
10-14	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5	0.5
15-19	32.5	32.6	31.3	30.9	30.4	29.8	29.4	30.8	31.3	31.2	31.5	32.2	31.1	30.1	29.3	27.6
20-24	62.1	60.2	59.9	59.6	60.8	62.2	62.3	62.5	63.3	62.8	64.4	68.4	73.1	76.6	79.5	78.7
25-29	112.9	109.1	107.8	106.0	106.1	106.9	109.0	110.7	112.1	111.1	108.4	105.1	98.8	95.3	93.4	93.1
30-34	95.0	97.3	98.3	99.8	101.5	104.2	105.1	107.2	108.9	111.3	111.7	114.3	117.4	117.9	115.1	111.6
35-39	34.8	35.9	37.7	39.1	40.1	41.6	42.4	43.2	44.3	46.2	48.4	50.1	51.6	52.6	51.8	51.7
40-44	5.5	5.6	5.7	6.0	6.3	6.8	7.3	7.6	7.8	8.1	8.3	8.1	8.4	8.7	8.5	9.0
45-49**	0.2	0.2	0.3	0.4	0.3	0.4	0.5	0.5	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.7
<b>Sussex</b>																
General	62.6	61.4	62.4	62.9	62.9	62.8	63.4	63.6	63.8	66.3	68.3	70.4	72.1	75.9	76.7	77.3
10-14	1.0	1.1	1.2	1.2	1.3	1.1	1.1	1.1	0.9	0.6	0.6	0.6	0.5	0.4	0.4	0.4
15-19	57.6	56.0	63.1	62.3	61.4	58.2	55.5	48.3	45.7	45.0	45.3	46.9	48.0	51.3	50.3	49.2
20-24	125.7	126.7	125.9	130.1	130.6	136.2	136.9	141.5	138.9	142.2	140.2	139.1	136.3	138.4	134.3	129.7
25-29	118.3	115.2	117.7	118.8	122.5	122.9	128.1	128.5	129.8	136.4	144.3	148.3	154.5	162.9	159.8	155.5
30-34	67.2	67.4	70.4	72.6	74.8	76.1	79.5	83.7	88.4	93.7	97.9	101.4	102.8	103.1	106.2	110.2
35-39	25.0	25.0	25.0	26.0	25.4	25.3	26.5	28.5	29.1	31.8	33.6	35.5	36.7	40.8	42.5	43.5
40-44	3.4	3.9	4.0	4.0	4.2	4.9	5.0	5.5	6.1	6.4	6.4	6.3	6.0	6.0	6.3	6.5
45-49**	0.1	0.2	0.1	0.1	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.4	0.4

AGEFERT2

**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 Health Statistics Center

TABLE C-8  
FIVE-YEAR GENERAL FERTILITY AND AGE-SPECIFIC LIVE BIRTH RATES

U.S., DELAWARE AND COUNTIES, 1991-2010

(BLACK)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>																
General	79.4	76.1	73.6	71.7	70.4	70.0	69.8	68.9	68.0	67.5	67.3	68.2	69.6	70.6	71.1	70.8
10-14	4.6	4.3	4.0	3.7	3.3	2.9	2.6	2.3	2.1	1.9	1.7	1.6	1.6	1.5	1.4	1.3
15-19	106.9	101.6	96.8	92.2	87.7	84.0	80.5	76.3	71.9	68.4	65.3	63.9	63.6	63.4	62.7	61.2
20-24	150.4	144.9	141.0	138.9	138.2	138.9	138.9	136.4	133.3	130.6	128.7	129.2	130.9	131.9	131.5	129.1
25-29	107.1	103.4	100.9	99.5	99.1	99.6	100.5	100.5	100.3	100.7	101.9	104.0	106.1	107.2	107.1	105.9
30-34	66.5	65.1	64.5	63.9	63.6	63.9	64.7	64.9	65.2	65.9	66.9	68.7	70.9	72.6	73.9	74.5
35-39	28.8	28.7	28.9	29.2	29.6	30.1	30.8	31.2	31.8	32.4	33.2	34.2	35.3	36.1	36.6	37.0
40-44	5.8	5.9	6.1	6.2	6.3	6.6	6.8	7.0	7.2	7.5	7.8	8.0	8.3	8.5	8.8	9.0
45-49**	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6
<b>Delaware</b>																
General	76.2	71.3	69.1	68.5	68.2	68.3	68.9	68.9	69.2	69.4	69.4	69.5	70.7	71.1	71.1	71.1
10-14	6.5	6.3	5.6	5.5	4.5	3.9	3.3	2.9	2.3	2.1	1.7	1.6	1.4	1.5	1.4	1.5
15-19	119.4	113.7	108.2	104.0	98.8	95.4	90.9	86.9	82.0	77.8	73.4	69.9	67.2	65.6	62.9	60.0
20-24	146.4	139.0	136.3	138.8	142.6	145.8	146.4	144.6	142.2	137.8	133.7	133.8	135.5	134.9	133.2	131.8
25-29	99.3	91.8	89.2	88.1	90.4	92.3	96.8	100.5	103.9	106.9	108.0	105.3	104.2	104.2	102.5	101.7
30-34	56.5	53.7	54.5	55.6	55.4	55.1	57.7	58.2	61.2	64.0	68.4	71.7	76.9	78.1	81.0	80.5
35-39	20.1	19.7	20.8	21.9	23.6	25.2	26.2	27.3	29.2	30.3	31.1	33.1	35.2	35.7	37.1	39.4
40-44	3.4	3.4	3.7	4.0	4.2	4.6	4.9	5.2	5.3	6.4	6.9	7.1	7.9	8.6	8.9	9.2
45-49**	0.1	0.1	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.5	0.4	0.5	0.6	0.6
<b>Kent</b>																
General	70.9	66.6	64.9	63.8	64.9	65.8	66.4	67.3	69.1	68.9	69.1	69.2	70.8	69.9	69.9	69.6
10-14	4.0	3.4	3.0	3.3	3.5	3.3	3.0	3.1	2.2	2.1	2.5	2.2	2.0	1.9	1.3	0.8
15-19	102.4	92.5	83.5	74.0	70.2	66.8	68.0	70.3	73.6	75.9	77.0	74.8	71.7	69.7	65.6	63.5
20-24	124.8	127.1	130.6	138.4	139.4	142.9	131.5	121.1	118.9	115.1	111.4	117.5	130.8	132.5	139.6	141.7
25-29	93.3	84.0	82.1	81.2	88.4	90.7	97.1	105.8	107.4	104.0	102.2	90.9	84.5	81.2	80.0	79.3
30-34	57.0	55.3	56.3	55.8	56.5	56.9	58.3	56.8	60.5	59.8	61.6	63.4	67.4	67.1	67.6	65.8
35-39	14.5	14.2	16.4	17.4	21.1	23.2	24.8	25.2	25.4	25.4	26.6	30.2	31.9	33.7	33.4	34.5
40-44	1.8	1.2	1.6	2.4	3.5	4.2	4.1	4.9	5.1	5.2	6.1	7.0	7.8	8.0	8.8	9.9
45-49**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.4	0.4	0.4	0.2	0.2	0.0	0.6
<b>New Castle</b>																
General	73.0	68.1	66.1	66.1	66.7	66.9	67.5	68.0	68.0	67.9	67.7	68.2	68.8	69.5	69.6	69.9
10-14	6.6	6.5	5.6	5.5	4.4	3.9	3.1	2.6	2.1	1.8	1.3	1.2	1.2	1.2	1.3	1.4
15-19	113.1	108.9	105.4	104.2	100.9	98.9	92.0	87.0	80.6	74.9	68.3	65.3	61.4	59.7	57.2	55.3
20-24	136.9	128.0	123.3	125.8	134.2	137.5	140.7	144.8	143.6	138.1	133.3	133.3	130.3	128.6	125.0	123.6
25-29	98.7	91.2	88.5	87.9	89.4	91.5	95.4	98.8	101.7	105.8	108.1	108.2	109.0	111.4	110.8	109.8
30-34	57.8	54.1	55.3	57.0	56.4	55.4	59.0	59.9	62.2	66.2	71.8	75.3	81.0	83.6	88.1	88.5
35-39	21.5	20.6	22.1	23.2	25.4	27.2	28.5	29.6	31.7	32.7	33.5	34.9	37.1	37.4	39.0	41.2
40-44	3.8	3.9	4.2	4.3	4.3	4.7	5.3	5.4	5.7	6.9	7.4	7.4	8.3	9.2	9.3	9.5
45-49**	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.2	0.2	0.4	0.4	0.4	0.6	0.7	0.7
<b>Sussex</b>																
General	96.9	91.5	88.0	84.9	79.4	78.2	78.9	75.7	75.7	77.3	78.0	76.8	80.7	81.4	80.8	79.8
10-14	9.5	8.9	8.6	7.9	5.6	4.5	4.4	3.7	3.0	3.2	2.7	2.4	2.1	2.3	2.3	2.6
15-19	164.0	158.9	153.5	146.7	134.0	125.3	120.3	108.9	98.1	92.0	90.3	83.7	87.6	87.3	86.5	78.3
20-24	224.6	209.1	206.0	200.2	185.7	187.6	195.5	183.2	177.3	177.5	175.5	163.6	165.0	166.2	159.8	154.4
25-29	109.3	104.6	101.8	98.0	97.8	98.5	103.7	102.3	111.0	117.6	117.3	116.1	118.8	115.5	110.3	109.8
30-34	50.2	49.9	48.8	48.5	49.3	51.2	50.6	50.4	56.2	56.7	56.6	60.8	66.0	62.8	62.3	62.2
35-39	20.1	21.6	19.4	20.9	18.2	18.1	16.4	18.8	20.3	22.9	23.5	26.4	28.6	27.8	30.5	35.7
40-44	3.7	3.8	4.1	4.7	4.2	4.5	4.1	4.6	4.0	5.4	5.7	5.8	5.7	6.6	7.0	6.9
45-49**	0.4	0.4	0.3	0.3	0.6	0.5	0.5	1.0	1.2	0.9	1.1	1.1	0.6	0.4	0.8	0.4

AGEFERT3

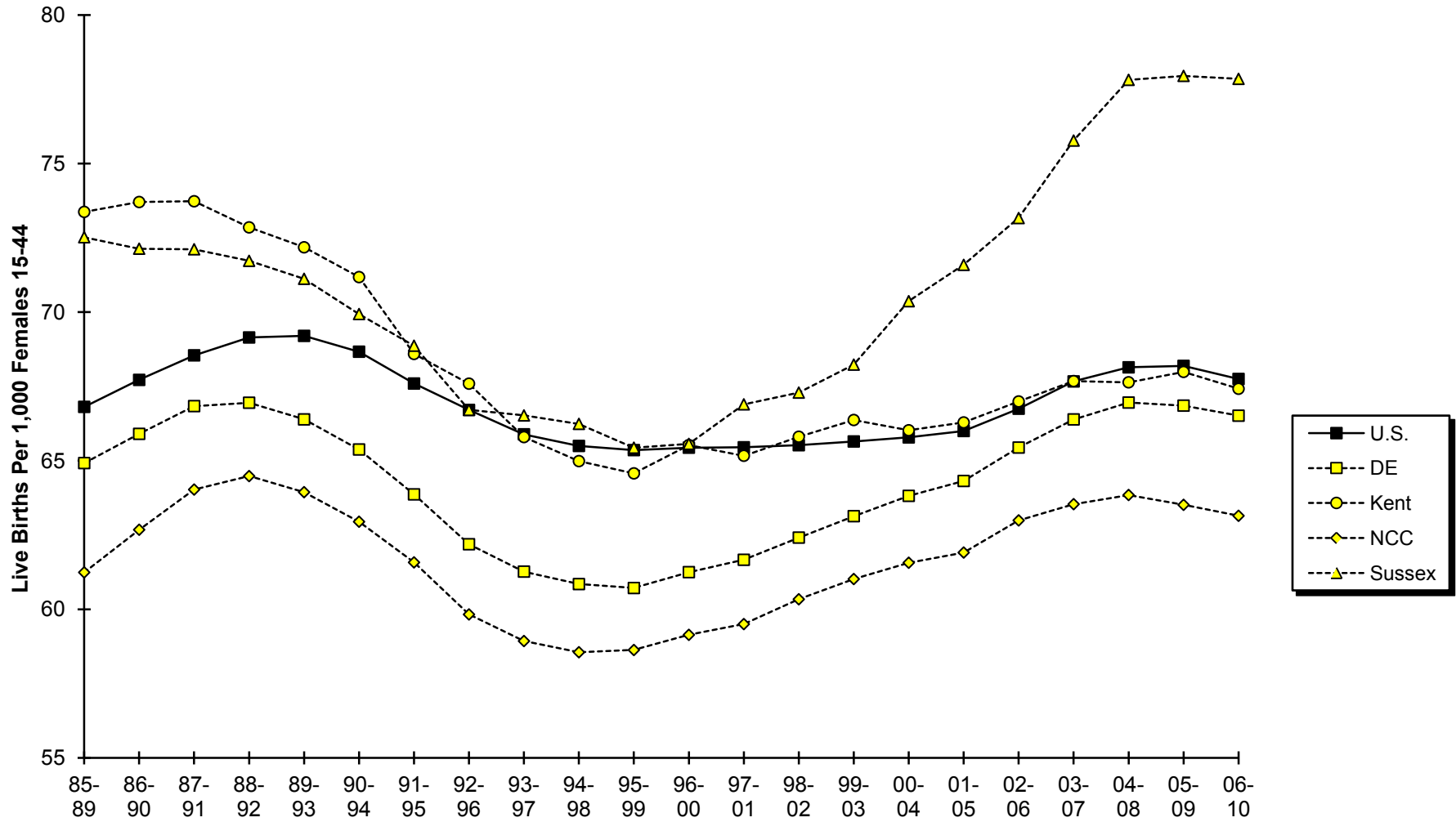
**Notes:**

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 Health Statistics Center

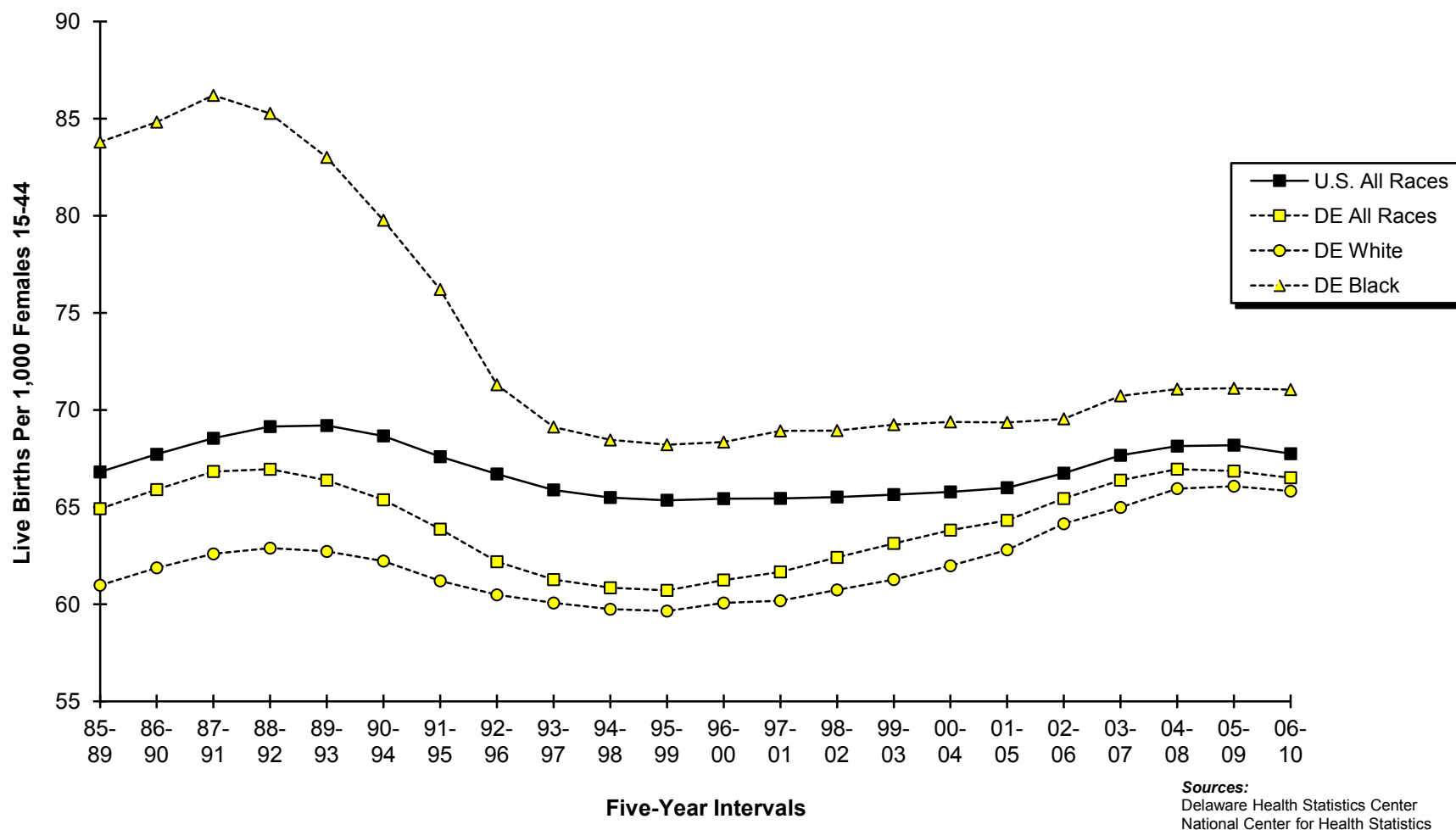
**Figure C-6**  
**Five-Year Average General Fertility Rates**  
**U.S., Delaware and Counties, 1985-2010**



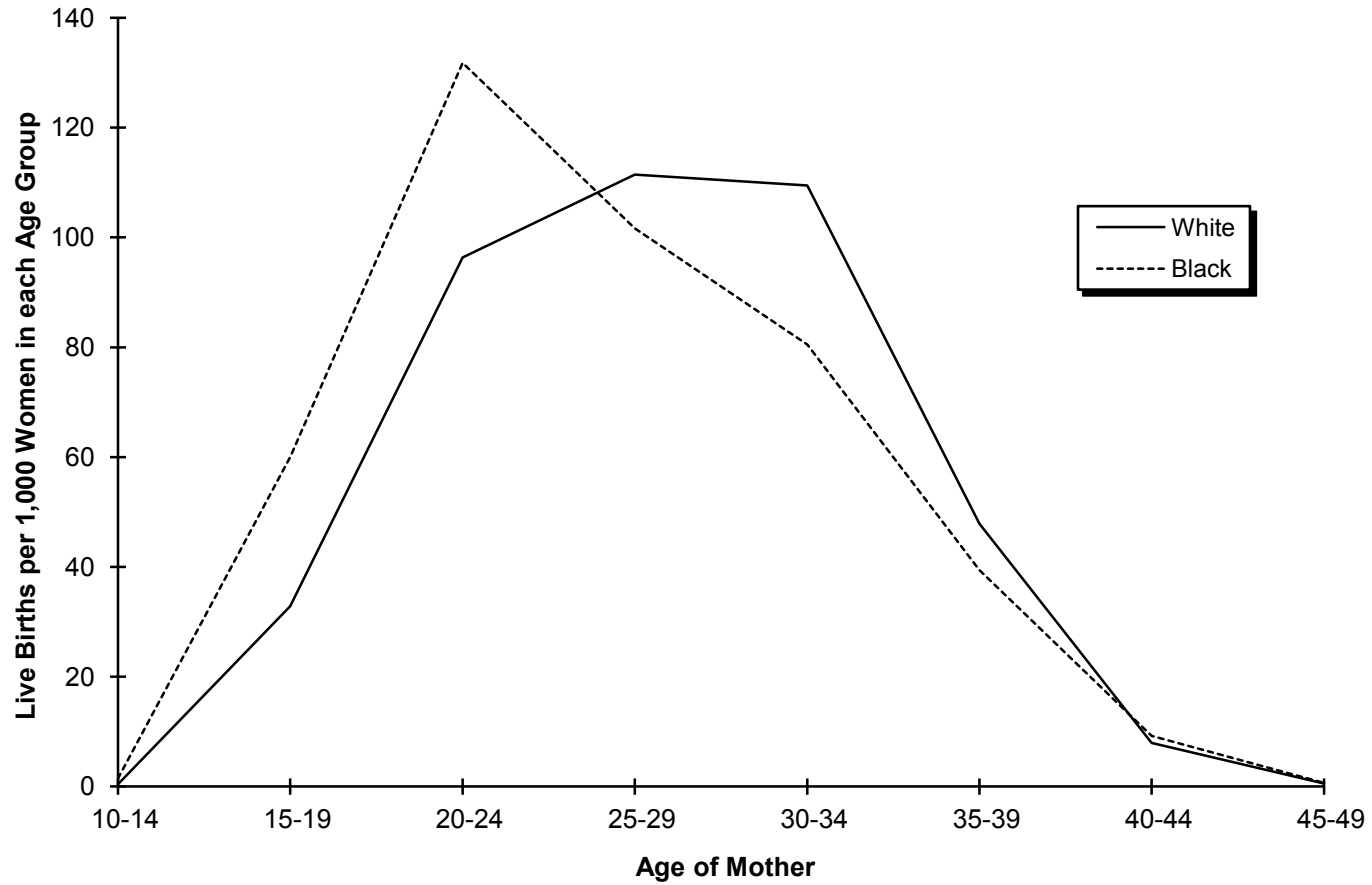
*Sources:*  
 Delaware Health Statistics Center  
 National Center for Health Statistics

**Figure C-7**  
**Five-Year Average General Fertility Rates by Race**

**U.S. and Delaware, 1985-2010**



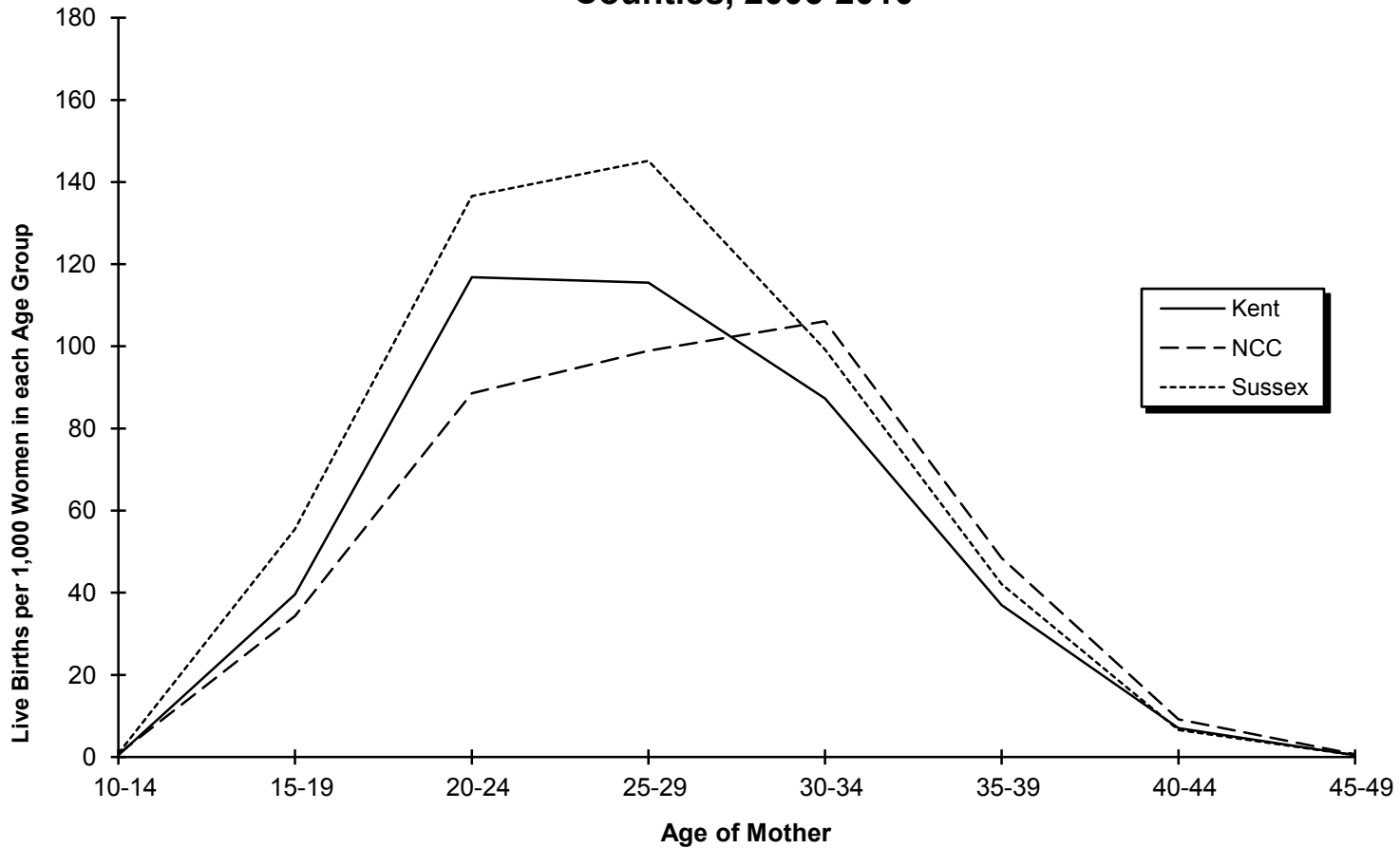
**Figure C-8**  
**Five-Year Average Age-Specific Live Birth Rates by Race**  
**Delaware, 2006-2010**



**Source:**  
 Delaware Health Statistics Center

**Figure C-9**  
**Five-Year Average Age-Specific Live Birth Rates by County**

**Counties, 2006-2010**



*Source:*  
 Delaware Health Statistics Center

TABLE C-9  
NUMBER OF LIVE BIRTHS BY AGE, RACE AND HISPANIC ORIGIN OF MOTHER

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Age	Race										Hispanic Origin**
	All Races	White	Black	American Indian*	Asian or Pacific Islander (API)					All Other	
					Chinese	Japanese	Hawaiian	Filipino	Other API		
<b>Delaware</b>	11291	7566	3086	25	70	3	0	45	407	77	1426
<15	16	5	10	0	0	0	0	0	0	1	4
15-17	282	158	119	2	0	0	0	0	0	3	67
18-19	685	383	290	2	0	0	0	1	4	5	103
20-24	2707	1659	976	3	4	0	0	8	34	22	404
25-29	3293	2290	788	12	16	2	0	6	154	19	425
30-34	2723	1949	540	5	31	0	0	17	161	18	267
35-39	1287	907	290	1	18	1	0	11	50	7	125
40+	298	215	73	0	1	0	0	2	4	2	31
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2228	1502	638	14	5	1	0	15	32	17	156
<15	1	0	1	0	0	0	0	0	0	0	0
15-17	60	32	27	0	0	0	0	0	0	1	7
18-19	137	71	65	1	0	0	0	0	0	0	10
20-24	633	410	206	2	0	0	0	5	5	5	52
25-29	703	507	163	7	2	1	0	2	13	5	57
30-34	455	320	109	3	3	0	0	5	9	6	22
35-39	187	132	45	1	0	0	0	3	5	0	6
40+	52	30	22	0	0	0	0	0	0	0	2
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6780	4264	2019	7	64	2	0	25	357	38	760
<15	12	4	7	0	0	0	0	0	0	1	3
15-17	159	80	76	1	0	0	0	0	0	2	38
18-19	375	181	185	1	0	0	0	1	4	3	60
20-24	1418	783	591	0	4	0	0	2	27	11	207
25-29	1915	1233	517	3	14	1	0	3	134	9	213
30-34	1808	1228	385	2	27	0	0	11	147	6	143
35-39	891	607	212	0	18	1	0	7	42	4	77
40+	202	148	46	0	1	0	0	1	3	2	19
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Wilmington</b>	1064	444	601	1	3	0	0	1	7	6	172
<15	6	2	4	0	0	0	0	0	0	0	2
15-17	46	15	31	0	0	0	0	0	0	0	13
18-19	101	19	81	0	0	0	0	0	1	0	10
20-24	294	92	195	0	2	0	0	0	0	5	55
25-29	275	131	141	1	0	0	0	0	1	1	48
30-34	224	116	102	0	1	0	0	1	3	0	27
35-39	100	57	41	0	0	0	0	0	2	0	11
40+	18	12	6	0	0	0	0	0	0	0	6
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	5716	3820	1418	6	61	2	0	24	350	32	588
<15	6	2	3	0	0	0	0	0	0	1	1
15-17	113	65	45	1	0	0	0	0	0	2	25
18-19	274	162	104	1	0	0	0	1	3	3	50
20-24	1124	691	396	0	2	0	0	2	27	6	152
25-29	1640	1102	376	2	14	1	0	3	133	8	165
30-34	1584	1112	283	2	26	0	0	10	144	6	116
35-39	791	550	171	0	18	1	0	7	40	4	66
40+	184	136	40	0	1	0	0	1	3	2	13
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2283	1800	429	4	1	0	0	5	18	22	510
<15	3	1	2	0	0	0	0	0	0	0	1
15-17	63	46	16	1	0	0	0	0	0	0	22
18-19	173	131	40	0	0	0	0	0	0	2	33
20-24	656	466	179	1	0	0	0	1	2	6	145
25-29	675	550	108	2	0	0	0	1	7	5	155
30-34	460	401	46	0	1	0	0	1	5	6	102
35-39	209	168	33	0	0	0	0	1	3	3	42
40+	44	37	5	0	0	0	0	1	1	0	10
Unknown	0	0	0	0	0	0	0	0	0	0	0

Notes:

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

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

Source:

Delaware Health Statistics Center

DETRACE



TABLE C-10  
NUMBER OF LIVE BIRTHS TO MARRIED MOTHERS BY AGE OF MOTHER AND AGE OF FATHER

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

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>	5960	1	0	14	401	1402	1935	1279	732	196
<15	1	0	0	0	0	1	0	0	0	0
15-17	5	0	0	0	1	0	0	0	1	3
18-19	54	0	0	9	29	12	1	0	0	3
20-24	714	0	0	5	282	280	78	29	13	27
25-29	1907	1	0	0	75	893	631	176	65	66
30-34	2026	0	0	0	11	186	1048	551	172	58
35-39	1018	0	0	0	3	28	164	476	316	31
40+	235	0	0	0	0	2	13	47	165	8
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	1273	0	0	6	173	416	325	204	123	26
<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	19	0	0	3	12	4	0	0	0	0
20-24	253	0	0	3	123	96	14	4	4	9
25-29	454	0	0	0	33	248	117	38	11	7
30-34	346	0	0	0	5	60	159	90	26	6
35-39	157	0	0	0	0	7	33	65	50	2
40+	44	0	0	0	0	1	2	7	32	2
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	3670	1	0	3	143	720	1300	875	478	150
<15	0	0	0	0	0	0	0	0	0	0
15-17	2	0	0	0	0	0	0	0	1	1
18-19	22	0	0	2	10	7	0	0	0	3
20-24	308	0	0	1	103	124	45	15	5	15
25-29	1091	1	0	0	23	476	396	107	34	54
30-34	1370	0	0	0	4	101	738	374	108	45
35-39	717	0	0	0	3	12	111	348	216	27
40+	160	0	0	0	0	0	10	31	114	5
Unknown	0	0	0	0	0	0	0	0	0	0
Wilmington	343	0	0	0	19	72	104	75	51	22
<15	0	0	0	0	0	0	0	0	0	0
15-17	1	0	0	0	0	0	0	0	1	0
18-19	4	0	0	0	2	2	0	0	0	0
20-24	32	0	0	0	12	11	6	1	0	2
25-29	101	0	0	0	5	43	32	10	2	9
30-34	127	0	0	0	0	14	53	33	18	9
35-39	67	0	0	0	0	2	12	29	23	1
40+	11	0	0	0	0	0	1	2	7	1
Unknown	0	0	0	0	0	0	0	0	0	0
Balance of NC County	3327	1	0	3	124	648	1196	800	427	128
<15	0	0	0	0	0	0	0	0	0	0
15-17	1	0	0	0	0	0	0	0	0	1
18-19	18	0	0	2	8	5	0	0	0	3
20-24	276	0	0	1	91	113	39	14	5	13
25-29	990	1	0	0	18	433	364	97	32	45
30-34	1243	0	0	0	4	87	685	341	90	36
35-39	650	0	0	0	3	10	99	319	193	26
40+	149	0	0	0	0	0	9	29	107	4
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	1017	0	0	5	85	266	310	200	131	20
<15	1	0	0	0	0	1	0	0	0	0
15-17	3	0	0	0	1	0	0	0	0	2
18-19	13	0	0	4	7	1	1	0	0	0
20-24	153	0	0	1	56	60	19	10	4	3
25-29	362	0	0	0	19	169	118	31	20	5
30-34	310	0	0	0	2	25	151	87	38	7
35-39	144	0	0	0	0	9	20	63	50	2
40+	31	0	0	0	0	1	1	9	19	1
Unknown	0	0	0	0	0	0	0	0	0	0

NLBAMAF

**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 Health Statistics Center

TABLE C-11  
NUMBER OF LIVE BIRTHS BY EDUCATION AND AGE OF MOTHER  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Education	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	11291	16	282	685	2707	3293	2723	1287	298	0
<9	739	11	26	33	201	222	159	68	19	0
9 to 11	1664	5	228	289	567	323	169	68	15	0
H.S. Graduate	2775	0	22	264	1015	784	459	180	51	0
1 to 3 College	2794	0	1	84	768	910	629	331	71	0
4+ College	3205	0	0	0	137	1018	1281	630	139	0
Unknown	114	0	5	15	19	36	26	10	3	0
<b>Kent</b>	2228	1	60	137	633	703	455	187	52	0
<9	106	1	5	2	34	26	25	12	1	0
9 to 11	359	0	49	68	131	56	37	13	5	0
H.S. Graduate	525	0	6	47	204	164	68	24	12	0
1 to 3 College	738	0	0	18	229	270	146	60	15	0
4+ College	486	0	0	0	32	183	177	77	17	0
Unknown	14	0	0	2	3	4	2	1	2	0
<b>New Castle</b>	6780	12	159	375	1418	1915	1808	891	202	0
<9	332	9	11	20	72	100	72	33	15	0
9 to 11	899	3	131	158	300	176	95	31	5	0
H.S. Graduate	1629	0	12	144	557	450	315	119	32	0
1 to 3 College	1546	0	1	44	391	483	367	220	40	0
4+ College	2298	0	0	0	85	679	943	482	109	0
Unknown	76	0	4	9	13	27	16	6	1	0
Wilmington	1064	6	46	101	294	275	224	100	18	0
<9	67	4	5	4	20	15	10	5	4	0
9 to 11	242	2	36	53	83	38	25	3	2	0
H.S. Graduate	329	0	5	33	117	92	60	19	3	0
1 to 3 College	190	0	0	5	60	62	40	22	1	0
4+ College	221	0	0	0	10	65	87	51	8	0
Unknown	15	0	0	6	4	3	2	0	0	0
Balance of NC County	5716	6	113	274	1124	1640	1584	791	184	0
<9	265	5	6	16	52	85	62	28	11	0
9 to 11	657	1	95	105	217	138	70	28	3	0
H.S. Graduate	1300	0	7	111	440	358	255	100	29	0
1 to 3 College	1356	0	1	39	331	421	327	198	39	0
4+ College	2077	0	0	0	75	614	856	431	101	0
Unknown	61	0	4	3	9	24	14	6	1	0
<b>Sussex</b>	2283	3	63	173	656	675	460	209	44	0
<9	301	1	10	11	95	96	62	23	3	0
9 to 11	406	2	48	63	136	91	37	24	5	0
H.S. Graduate	621	0	4	73	254	170	76	37	7	0
1 to 3 College	510	0	0	22	148	157	116	51	16	0
4+ College	421	0	0	0	20	156	161	71	13	0
Unknown	24	0	1	4	3	5	8	3	0	0

LBEDAGE1

**Source:**  
Delaware Health Statistics Center

TABLE C-12  
NUMBER AND PERCENT OF LIVE BIRTHS BY EDUCATION AND RACE AND HISPANIC ORIGIN OF MOTHER

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Education	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	11291	100.0	7566	100.0	3086	100.0	627	100.0	1426	100.0
<9	739	6.5	674	8.9	41	1.3	23	3.7	527	37.0
9 to 11	1664	14.7	981	13.0	639	20.7	42	6.7	360	25.2
H.S. Grad.	2775	24.6	1653	21.8	1033	33.5	85	13.6	290	20.3
1 to 3 College	2794	24.7	1854	24.5	853	27.6	85	13.6	170	11.9
4+ College	3205	28.4	2343	31.0	477	15.5	385	61.4	67	4.7
Unknown	114	1.0	61	0.8	43	1.4	7	1.1	12	0.8
<b>Kent</b>	2228	100.0	1502	100.0	638	100.0	84	100.0	156	100.0
<9	106	4.8	94	6.3	7	1.1	4	4.8	24	15.4
9 to 11	359	16.1	204	13.6	144	22.6	10	11.9	27	17.3
H.S. Grad.	525	23.6	335	22.3	173	27.1	17	20.2	38	24.4
1 to 3 College	738	33.1	505	33.6	213	33.4	19	22.6	52	33.3
4+ College	486	21.8	358	23.8	94	14.7	34	40.5	14	9.0
Unknown	14	0.6	6	0.4	7	1.1	0	0.0	1	0.6
<b>New Castle</b>	6780	100.0	4264	100.0	2019	100.0	493	100.0	760	100.0
<9	332	4.9	301	7.1	21	1.0	10	2.0	226	29.7
9 to 11	899	13.3	500	11.7	372	18.4	27	5.5	226	29.7
H.S. Grad.	1629	24.0	882	20.7	690	34.2	55	11.2	174	22.9
1 to 3 College	1546	22.8	947	22.2	541	26.8	58	11.8	86	11.3
4+ College	2298	33.9	1595	37.4	367	18.2	336	68.2	44	5.8
Unknown	76	1.1	39	0.9	28	1.4	7	1.4	4	0.5
Wilmington	1064	100.0	444	100.0	601	100.0	18	100.0	172	100.0
<9	67	6.3	55	12.4	10	1.7	2	11.1	47	27.3
9 to 11	242	22.7	79	17.8	160	26.6	3	16.7	58	33.7
H.S. Grad.	329	30.9	73	16.4	252	41.9	4	22.2	39	22.7
1 to 3 College	190	17.9	68	15.3	118	19.6	4	22.2	18	10.5
4+ College	221	20.8	164	36.9	52	8.7	5	27.8	10	5.8
Unknown	15	1.4	5	1.1	9	1.5	0	0.0	0	0.0
Balance of NC County	5716	100.0	3820	100.0	1418	100.0	475	100.0	588	100.0
<9	265	4.6	246	6.4	11	0.8	8	1.7	179	30.4
9 to 11	657	11.5	421	11.0	212	15.0	24	5.1	168	28.6
H.S. Grad.	1300	22.7	809	21.2	438	30.9	51	10.7	135	23.0
1 to 3 College	1356	23.7	879	23.0	423	29.8	54	11.4	68	11.6
4+ College	2077	36.3	1431	37.5	315	22.2	331	69.7	34	5.8
Unknown	61	1.1	34	0.9	19	1.3	7	1.5	4	0.7
<b>Sussex</b>	2283	100.0	1800	100.0	429	100.0	50	100.0	510	100.0
<9	301	13.2	279	15.5	13	3.0	9	18.0	277	54.3
9 to 11	406	17.8	277	15.4	123	28.7	5	10.0	107	21.0
H.S. Grad.	621	27.2	436	24.2	170	39.6	13	26.0	78	15.3
1 to 3 College	510	22.3	402	22.3	99	23.1	8	16.0	32	6.3
4+ College	421	18.4	390	21.7	16	3.7	15	30.0	9	1.8
Unknown	24	1.1	16	0.9	8	1.9	0	0.0	7	1.4

NPLBEDRC

**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 Health Statistics Center

TABLE C-13  
FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(ALL RACES)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	31.1	31.6	32.1	32.5	32.6	32.8	33.0	33.3	33.7	34.2	35.0	36.0	37.1	38.3	39.4	40.1
<20	72.6	74.0	75.6	77.0	77.6	78.3	78.9	79.3	79.8	80.5	81.4	82.5	83.6	84.7	85.6	86.4
20-24	42.3	43.6	44.8	45.9	46.6	47.6	48.6	49.6	50.7	51.9	53.3	54.8	56.4	57.9	59.3	60.6
25-29	20.6	21.1	21.6	21.9	22.2	22.6	23.0	23.7	24.5	25.5	26.7	28.1	29.4	30.8	31.9	32.8
30+	15.0	15.2	15.1	14.9	14.7	14.5	14.4	14.4	14.6	15.0	15.5	16.1	16.9	17.8	18.6	19.4
<b>Delaware</b>	33.5	34.3	35.0	35.7	36.5	37.1	38.0	38.9	39.8	40.5	41.8	42.9	44.1	45.4	46.4	47.0
<20	86.7	88.3	89.1	89.3	89.3	89.5	89.6	89.6	90.0	90.1	90.8	91.4	92.1	92.8	93.2	93.3
20-24	50.6	52.5	54.2	56.0	58.2	59.2	61.4	63.1	64.7	65.8	67.3	68.3	69.6	70.6	71.6	72.7
25-29	20.2	20.8	21.7	22.3	23.3	24.4	25.4	26.8	28.5	30.2	32.5	34.4	36.3	38.0	39.6	40.6
30+	13.1	13.2	13.5	13.8	13.9	14.0	14.4	14.8	15.2	15.8	16.9	17.7	18.5	19.8	20.9	21.8
<b>Kent</b>	33.5	34.5	35.3	35.9	37.3	38.0	38.8	39.2	40.0	40.6	41.5	41.8	42.8	43.6	43.9	44.0
<20	80.0	81.6	82.0	81.1	81.6	82.6	83.8	84.1	84.0	84.8	85.8	86.1	87.3	88.6	89.0	89.1
20-24	39.2	41.8	43.9	46.1	48.5	49.7	50.2	50.7	52.3	53.5	55.1	57.1	58.9	60.1	60.9	61.6
25-29	20.2	20.7	21.1	21.7	23.1	23.8	24.8	26.4	28.1	29.2	30.0	30.6	31.1	32.5	33.1	34.2
30+	16.2	16.0	16.3	16.2	16.7	16.3	16.7	16.4	16.3	16.2	17.4	17.4	18.5	19.6	20.6	20.9
<b>New Castle</b>	31.8	32.3	32.7	33.4	34.2	34.8	35.6	36.7	37.6	38.1	39.2	40.4	41.4	42.6	44.0	44.8
<20	90.6	91.7	92.5	92.6	92.5	92.5	92.4	92.0	92.3	92.0	92.4	93.0	93.5	94.3	94.9	95.1
20-24	54.5	57.0	58.3	60.2	62.6	63.9	66.4	68.3	70.1	70.8	71.8	72.2	73.5	74.2	75.5	76.8
25-29	19.5	19.9	20.7	21.4	22.2	23.2	24.0	25.3	26.9	28.8	31.3	33.5	35.6	37.3	39.1	40.3
30+	11.8	11.7	12.1	12.3	12.5	12.6	13.1	13.4	13.7	14.3	15.2	16.0	16.8	18.0	19.3	20.2
Wilmington	65.5	66.0	66.6	66.9	67.5	67.7	68.1	68.5	69.0	68.9	69.7	69.9	70.3	71.0	71.6	71.1
<20	96.2	96.7	96.9	97.1	96.8	96.6	96.5	96.2	96.0	95.8	96.0	96.4	97.0	97.6	98.1	97.9
20-24	80.8	81.6	81.9	82.9	82.5	82.3	83.5	84.3	85.1	85.3	86.1	86.6	87.6	88.3	89.5	90.0
25-29	48.4	48.3	51.3	52.0	53.2	53.9	55.0	55.9	57.7	58.5	61.9	62.8	63.4	63.5	65.8	65.4
30+	35.0	34.4	34.4	34.6	34.9	35.0	36.3	36.0	35.9	36.2	37.9	37.7	38.7	40.5	41.2	40.4
Balance of NC County	23.8	24.6	25.2	26.1	27.1	27.8	28.7	29.9	30.9	31.7	32.9	34.2	35.4	36.7	38.0	39.2
<20	86.7	88.3	89.5	89.7	89.8	89.9	90.1	89.7	90.2	90.0	90.4	91.1	91.7	92.6	93.2	93.7
20-24	45.4	48.6	50.7	52.8	55.8	57.6	60.5	62.7	65.0	65.9	67.2	67.5	68.9	69.7	71.0	72.6
25-29	14.5	15.2	15.8	16.6	17.4	18.2	18.9	20.3	21.8	24.0	26.4	28.6	30.8	32.6	34.0	35.6
30+	8.4	8.6	9.1	9.4	9.6	9.9	10.3	10.6	11.0	11.7	12.4	13.3	14.0	15.1	16.3	17.4
<b>Sussex</b>	40.5	41.7	43.2	43.8	44.1	44.7	45.7	46.6	47.6	48.8	51.0	52.4	53.9	55.3	56.1	56.2
<20	82.6	85.5	86.7	87.8	87.9	88.1	87.9	88.1	89.3	90.1	91.6	92.0	92.8	93.0	93.0	92.6
20-24	52.4	52.9	54.7	56.0	57.3	57.7	60.4	62.7	64.1	66.4	68.9	70.3	71.3	72.5	73.4	74.4
25-29	23.3	24.7	26.6	26.5	27.9	29.8	31.2	32.7	35.1	36.2	38.8	41.3	43.8	45.2	47.4	47.6
30+	17.2	18.6	18.8	19.3	18.8	19.0	18.9	20.3	21.2	22.8	24.6	26.1	26.6	28.0	28.6	29.5

Sources:  
National Center for Health Statistics  
Delaware Health Statistics Center

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TABLE C-14  
FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(WHITE)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	23.7	24.5	25.2	25.7	26.0	26.4	26.8	27.3	27.9	28.6	29.6	30.7	32.0	33.2	34.3	35.1
<20	63.7	65.7	67.8	69.7	70.7	71.8	72.6	73.3	74.1	75.1	76.3	77.7	79.1	80.4	81.5	82.6
20-24	33.5	35.0	36.4	37.7	38.5	39.6	40.7	41.9	43.3	44.8	46.4	48.2	49.9	51.6	53.0	54.4
25-29	15.1	15.8	16.4	16.8	17.1	17.6	18.1	18.8	19.7	20.8	22.0	23.3	24.7	26.0	27.1	28.0
30+	11.0	11.3	11.3	11.3	11.2	11.1	11.1	11.3	11.6	12.1	12.6	13.3	14.2	15.1	15.9	16.8
<b>Delaware</b>	21.5	22.7	23.7	24.4	25.4	26.2	27.2	28.5	30.0	31.1	32.9	34.5	35.7	37.3	38.6	39.2
<20	77.3	80.2	81.5	81.7	81.9	82.5	83.1	83.3	84.3	84.8	86.1	87.3	88.2	89.3	90.1	90.3
20-24	35.9	38.9	41.4	43.5	46.1	47.6	49.8	52.1	54.8	56.7	59.0	60.6	62.0	63.2	64.4	65.4
25-29	12.2	13.1	14.1	14.7	15.5	16.6	17.7	19.0	20.8	22.6	25.1	27.2	29.3	31.1	32.8	33.9
30+	8.1	8.4	8.8	9.1	9.2	9.4	9.7	10.4	10.8	11.5	12.5	13.4	13.9	15.4	16.4	17.1
<b>Kent</b>	23.5	24.7	25.3	25.6	26.8	27.6	28.6	29.0	30.1	30.9	31.9	32.5	33.7	34.4	34.6	34.7
<20	68.3	71.8	72.1	70.8	71.4	73.4	75.5	76.0	76.7	78.1	79.8	81.1	82.8	84.2	84.9	85.0
20-24	27.6	30.1	32.4	34.0	36.2	37.2	37.6	38.3	40.6	42.7	44.9	47.3	48.8	50.1	50.6	51.5
25-29	14.4	14.7	15.1	15.2	15.6	16.4	17.6	18.5	20.1	21.4	21.9	22.6	23.5	24.3	24.5	25.7
30+	11.8	12.0	11.7	11.9	12.6	11.9	12.2	12.2	12.1	11.8	13.0	12.9	14.0	15.3	16.0	15.8
<b>New Castle</b>	19.8	20.7	21.3	21.9	22.7	23.4	24.5	26.0	27.6	28.5	30.0	31.5	32.6	33.9	35.5	36.3
<20	83.5	85.2	86.5	86.6	86.6	86.6	86.8	86.5	87.1	86.6	87.5	88.5	89.3	90.4	91.5	92.1
20-24	39.4	42.9	45.4	47.5	50.4	52.3	55.4	58.0	61.0	62.3	63.9	64.7	66.4	67.4	69.1	70.5
25-29	11.1	12.0	12.7	13.5	14.1	15.1	15.8	17.3	19.2	21.2	23.8	26.2	28.2	29.9	31.9	33.4
30+	6.8	6.9	7.3	7.5	7.6	7.9	8.3	8.8	9.3	9.9	10.6	11.4	11.8	13.0	14.0	14.8
<b>Wilmington</b>	35.8	36.8	37.5	37.6	37.6	38.5	39.6	40.9	42.7	43.6	45.5	46.3	47.3	48.1	49.0	48.3
<20	87.3	87.4	88.5	88.8	87.1	86.4	87.5	86.1	85.4	85.9	87.4	87.9	89.9	92.2	93.4	93.6
20-24	59.9	60.8	60.8	62.2	62.0	61.3	64.4	66.7	69.5	70.4	72.1	72.8	74.9	75.6	77.8	79.6
25-29	21.1	21.9	26.1	27.4	27.3	28.4	30.5	31.7	35.8	37.3	42.3	43.9	44.8	44.7	47.5	46.9
30+	13.4	14.5	14.6	15.4	16.2	16.6	16.8	17.4	17.2	17.5	18.8	18.7	19.3	21.2	20.9	20.2
<b>Balance of NC County</b>	18.2	19.1	19.8	20.5	21.3	22.0	23.0	24.5	26.0	26.9	28.4	29.9	31.0	32.3	34.0	35.0
<20	82.7	84.8	86.2	86.2	86.6	86.6	86.7	86.5	87.4	86.7	87.5	88.6	89.1	90.1	91.2	91.8
20-24	36.8	40.8	43.6	45.8	49.0	51.2	54.2	56.8	59.8	61.2	62.9	63.6	65.2	66.3	67.9	69.3
25-29	10.3	11.2	11.7	12.5	13.1	13.9	14.5	16.0	17.7	19.6	22.0	24.5	26.5	28.3	30.3	32.0
30+	6.2	6.3	6.7	6.8	6.8	7.1	7.6	8.1	8.6	9.3	9.9	10.8	11.2	12.3	13.3	14.3
<b>Sussex</b>	26.4	28.7	31.3	32.5	33.6	34.7	35.4	36.7	37.9	39.7	42.7	45.0	46.5	48.7	50.0	50.0
<20	70.5	75.5	78.4	80.1	80.7	81.7	81.9	82.5	84.9	86.4	88.4	89.4	90.3	90.9	91.1	90.7
20-24	36.4	39.3	41.9	44.7	47.1	48.2	50.1	54.0	56.1	59.3	62.6	65.1	65.6	67.0	68.1	68.8
25-29	14.4	16.0	18.4	18.8	20.7	22.7	24.3	25.5	26.9	28.4	31.9	34.3	37.4	40.0	42.5	42.3
30+	11.8	13.4	14.1	14.7	14.7	15.0	14.9	16.1	16.8	18.2	20.4	21.9	22.4	24.7	26.0	26.7

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**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 Health Statistics Center

TABLE C-15  
FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(BLACK)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	69.0	69.7	70.0	70.1	69.8	69.5	68.8	68.6	68.5	68.4	68.6	69.0	69.6	70.3	71.0	71.5
<20	93.8	94.8	95.5	96.0	96.1	96.2	95.7	95.7	95.8	95.9	96.0	96.2	96.4	96.6	96.8	97.0
20-24	76.8	78.2	79.2	80.0	80.3	80.6	80.4	80.7	81.0	81.3	81.7	82.2	82.9	83.6	84.4	85.3
25-29	55.9	56.7	57.2	57.4	57.3	57.4	57.0	57.4	57.9	58.7	59.7	60.8	62.0	63.0	64.0	64.8
30+	46.1	46.3	45.8	45.2	44.3	43.5	42.5	42.1	41.7	41.6	41.8	42.1	42.8	43.6	44.6	45.4
<b>Delaware</b>	73.0	73.2	72.9	72.7	72.4	72.2	72.0	71.8	71.1	70.7	70.7	70.6	70.9	71.5	71.7	72.0
<20	97.4	97.7	97.9	97.9	97.9	97.8	97.7	97.6	97.6	97.4	97.3	97.2	97.6	97.9	97.9	97.8
20-24	81.9	82.5	82.6	83.1	83.5	83.5	84.8	85.4	85.1	84.9	85.3	85.3	86.0	86.8	87.6	88.3
25-29	55.9	55.7	56.3	56.3	56.7	57.5	57.4	58.1	59.1	60.1	61.4	62.8	63.8	65.2	65.9	66.7
30+	46.1	45.5	44.8	43.7	42.9	41.7	41.3	40.0	39.1	39.5	40.1	40.0	40.8	41.4	42.0	43.1
<b>Kent</b>	67.1	68.5	69.0	69.7	70.1	70.5	70.1	70.3	69.6	69.2	68.6	68.3	67.8	68.2	68.5	68.2
<20	97.7	97.1	96.9	95.9	96.0	96.4	96.2	96.0	95.4	94.7	94.0	93.2	93.7	94.4	94.8	94.9
20-24	71.6	74.8	76.5	78.2	79.6	80.1	80.5	80.7	79.7	78.7	78.9	79.3	80.2	81.0	82.4	82.1
25-29	46.7	49.4	49.3	52.8	55.3	56.3	54.7	57.4	57.3	56.9	56.7	57.4	56.1	58.5	59.4	60.3
30+	41.0	39.2	40.8	39.3	38.1	37.7	37.7	36.2	35.9	36.4	36.7	36.7	36.7	36.9	38.0	39.1
<b>New Castle</b>	72.9	73.0	72.3	71.9	71.8	71.6	71.1	70.8	70.2	69.6	69.4	69.6	70.1	70.7	71.0	71.3
<20	98.0	98.4	98.6	98.6	98.5	98.4	98.3	98.2	98.4	98.3	98.2	98.4	98.6	98.9	98.9	98.8
20-24	84.1	84.7	84.1	84.8	84.9	85.2	86.4	87.2	87.3	87.1	87.5	87.5	88.2	88.6	89.4	89.9
25-29	56.9	55.9	56.4	55.7	55.9	56.7	56.9	57.2	58.1	59.8	61.9	63.5	65.4	66.5	67.0	67.3
30+	46.6	46.2	45.2	44.0	43.6	42.4	41.8	40.0	38.9	38.6	39.2	39.2	40.4	41.4	42.5	43.4
<b>Wilmington</b>	83.0	83.7	84.2	84.0	84.5	84.6	84.8	85.0	85.3	84.9	85.4	85.3	85.3	85.5	85.7	85.4
<20	98.5	99.2	99.0	99.0	99.0	99.0	98.7	98.9	99.0	98.9	98.9	99.2	99.3	99.3	99.4	99.0
20-24	89.7	90.3	90.6	91.3	90.5	90.6	91.3	91.5	91.6	91.8	92.0	92.4	93.3	93.6	94.2	94.5
25-29	69.3	69.3	71.5	70.9	72.8	73.2	74.0	74.7	75.2	75.2	77.2	77.6	77.6	78.1	79.9	80.0
30+	61.5	60.6	61.0	59.8	60.1	59.7	61.3	60.9	61.7	61.5	64.0	62.8	63.3	64.2	64.4	63.5
<b>Balance of NC County</b>	61.7	61.8	60.6	60.7	60.7	60.7	60.3	59.9	59.2	59.0	59.0	59.5	60.6	61.5	61.7	63.0
<20	97.1	97.1	97.8	97.9	97.7	97.6	97.7	97.3	97.4	97.6	97.4	97.4	97.8	98.4	98.3	98.5
20-24	77.7	78.3	77.3	78.3	79.3	79.7	81.7	83.1	83.3	83.0	83.5	83.2	84.1	84.6	85.4	86.5
25-29	46.6	45.5	45.7	45.4	45.3	46.2	46.6	47.0	48.5	51.7	54.2	56.2	59.0	60.4	59.9	60.7
30+	34.4	35.8	34.9	34.4	35.0	34.0	32.7	31.1	30.1	30.1	30.4	30.8	32.5	33.4	34.4	36.3
<b>Sussex</b>	78.4	77.9	78.5	78.1	77.3	76.4	77.6	77.5	76.9	77.7	78.6	78.1	78.3	79.3	79.3	80.5
<20	95.6	96.1	96.8	97.4	97.6	97.2	97.0	97.0	97.1	97.1	97.9	97.7	98.2	98.2	97.8	97.8
20-24	84.6	83.5	83.9	82.8	82.8	81.7	84.0	83.9	83.3	84.2	85.0	84.8	85.4	87.2	88.2	90.4
25-29	61.2	61.4	63.3	62.3	62.1	63.3	63.0	63.8	66.3	65.6	65.5	67.1	67.3	68.3	70.7	73.8
30+	49.4	49.1	47.3	47.7	44.5	42.3	43.2	44.5	45.0	49.7	51.8	51.1	50.3	49.0	45.9	47.8

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**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 Health Statistics Center

TABLE C-16  
 FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER  
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(HISPANIC ORIGIN\*)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	40.3	40.8	41.1	41.4	41.3	41.6	42.0	42.5	43.2	44.1	45.2	46.7	48.3	49.7	51.0	52.0
<20	65.2	66.5	68.3	70.3	71.0	72.0	72.9	73.3	73.9	74.9	76.2	78.0	79.7	81.2	82.6	83.9
20-24	43.9	44.6	45.4	46.2	46.5	47.5	48.4	49.5	50.7	52.1	53.7	55.7	57.7	59.5	61.1	62.6
25-29	31.4	31.6	31.5	31.4	31.2	31.6	32.1	33.1	34.3	35.7	37.2	39.1	40.9	42.5	44.0	45.2
30+	27.8	27.7	27.1	26.4	25.6	25.5	25.4	25.8	26.3	27.1	28.0	29.1	30.4	31.7	32.9	34.0
<b>Delaware</b>	49.1	50.9	51.4	50.9	51.1	50.8	51.6	52.9	55.0	56.3	58.5	59.6	61.1	62.3	63.5	63.8
<20	75.9	76.9	79.6	81.0	80.9	80.3	80.2	80.2	80.7	81.1	83.5	85.3	86.4	88.4	89.4	89.0
20-24	54.7	56.5	56.7	56.3	57.1	57.6	59.4	61.6	64.5	66.2	67.3	68.1	69.9	70.6	72.3	73.7
25-29	31.3	34.3	34.8	35.8	37.2	38.9	40.2	41.8	44.5	46.9	50.6	52.4	55.1	56.3	57.6	57.7
30+	26.7	30.9	34.0	32.2	32.6	32.2	31.7	33.1	35.0	36.4	38.2	39.9	40.2	42.6	43.9	45.1
<b>Kent</b>	39.1	45.2	45.5	46.3	46.7	44.9	42.2	41.3	41.1	44.5	47.8	48.4	51.9	54.4	55.0	55.0
<20	76.6	77.5	78.5	76.8	79.1	76.2	81.3	76.9	71.6	70.8	76.6	77.3	80.8	84.4	85.7	82.6
20-24	40.4	47.9	51.6	51.6	53.5	51.4	46.1	42.9	46.2	50.0	53.8	54.5	59.2	61.0	62.8	64.5
25-29	17.7	28.2	26.4	29.3	28.3	29.8	29.6	30.3	32.2	40.0	39.7	39.2	43.5	44.2	43.8	44.3
30+	14.3	18.9	17.0	18.5	24.6	27.3	24.4	24.7	22.2	19.8	24.3	26.9	29.1	35.8	37.2	38.2
<b>New Castle</b>	49.4	49.4	49.3	47.8	47.5	47.0	48.0	49.5	52.3	52.7	54.3	55.6	56.3	57.4	59.1	60.0
<20	78.3	79.1	81.3	81.3	80.5	79.0	78.1	78.6	79.9	79.3	81.3	83.4	84.3	86.8	88.7	89.5
20-24	53.4	53.6	52.5	51.2	52.5	54.0	56.4	59.2	63.1	64.6	64.8	66.0	67.4	67.7	69.8	72.2
25-29	31.3	32.1	32.2	33.0	32.4	34.0	34.8	37.0	40.0	41.7	45.5	47.2	48.7	49.8	51.4	51.7
30+	27.2	28.7	31.7	28.8	29.6	28.3	29.0	29.1	31.1	31.3	32.4	33.7	34.3	36.6	38.0	39.7
<b>Wilmington</b>	63.4	63.3	63.2	62.4	61.2	60.1	60.1	61.1	63.3	63.5	65.6	67.8	67.8	68.8	70.6	71.0
<20	83.4	84.0	85.0	86.0	84.6	83.2	82.9	81.9	81.8	82.2	84.5	86.0	88.1	91.5	93.6	94.4
20-24	65.8	65.2	61.4	62.3	60.8	61.3	63.3	66.8	69.0	69.0	69.4	71.8	72.7	74.2	78.1	81.8
25-29	44.1	43.6	47.7	47.1	48.4	46.9	47.9	48.5	52.5	52.4	57.2	61.6	61.9	61.0	62.0	62.5
30+	40.9	44.0	46.4	45.0	45.4	44.0	43.5	43.2	44.6	45.5	47.7	47.6	45.8	48.0	47.5	44.5
<b>Balance of NC County</b>	38.4	40.0	40.7	39.3	39.9	40.5	42.5	44.6	48.0	48.8	50.6	51.8	52.9	54.2	56.0	57.1
<20	72.2	73.6	77.3	76.9	76.9	75.5	74.9	76.5	78.9	77.6	79.7	82.2	82.6	85.0	86.9	87.8
20-24	42.3	45.1	46.4	44.1	47.5	49.9	53.1	55.7	60.6	62.8	63.1	64.0	65.6	65.6	67.2	69.0
25-29	23.7	26.3	25.0	26.7	25.6	29.0	29.5	32.9	35.9	38.5	42.1	43.3	45.4	46.9	48.7	49.0
30+	20.7	22.0	25.7	22.3	23.0	22.5	23.9	24.5	27.3	27.8	28.9	30.7	31.9	34.4	36.2	38.8
<b>Sussex</b>	53.4	57.1	58.3	59.3	60.5	61.4	63.1	64.7	65.6	67.7	70.3	71.3	73.1	73.6	73.9	72.8
<20	64.8	68.2	74.3	82.4	83.1	85.9	85.7	86.0	86.1	89.6	91.3	92.7	92.8	92.8	92.2	90.3
20-24	62.5	64.5	64.8	65.1	65.7	66.0	69.2	72.0	72.8	74.8	76.4	76.3	77.6	78.2	79.0	78.8
25-29	38.4	42.9	43.8	44.1	50.2	52.4	54.8	56.0	57.5	59.0	63.1	66.0	69.5	70.9	72.0	71.2
30+	32.9	44.0	47.9	47.4	45.7	46.3	43.9	47.7	49.8	54.0	56.4	57.5	57.7	57.7	58.1	57.3

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**Notes:**

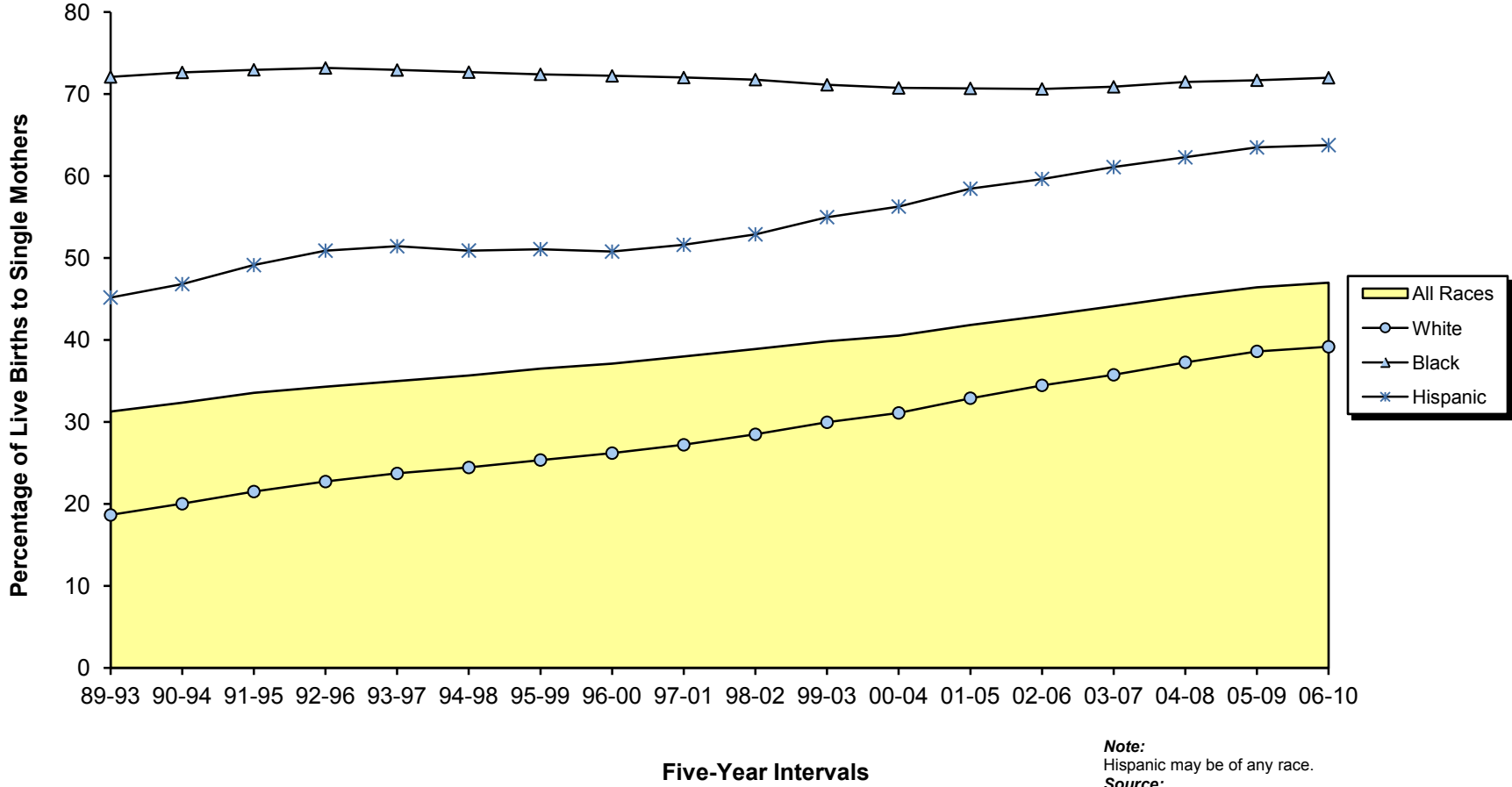
\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.  
 Percentages in this table should be interpreted with caution due to small numbers.

**Sources:**

National Center for Health Statistics  
 Delaware Health Statistics Center

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

**Delaware, 1989-2010**



**Note:**  
 Hispanic may be of any race.  
**Source:**  
 Delaware Health Statistics Center



TABLE C-17  
NUMBER OF LIVE BIRTHS BY AGE, MARITAL STATUS, RACE AND HISPANIC ORIGIN OF MOTHER

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Age	Marital Status, Race, and Hispanic Origin														
	Total					Married					Single				
	All Races	White	Black	Other	Hispanic Origin*	All Races	White	Black	Other	Hispanic Origin*	All Races	White	Black	Other	Hispanic Origin*
<b>Delaware</b>	11291	7566	3086	627	1426	5960	4567	856	529	516	5331	2999	2230	98	910
<15	16	5	10	1	4	1	1	0	0	1	15	4	10	1	3
15-17	282	158	119	5	67	5	4	1	0	2	277	154	118	5	65
18-19	685	383	290	12	103	54	41	10	3	19	631	342	280	9	84
20-24	2707	1659	976	71	404	714	556	111	46	101	1993	1103	865	25	303
25-29	3293	2290	788	209	425	1907	1469	253	181	172	1386	821	535	28	253
30-34	2723	1949	540	232	267	2026	1559	255	212	130	697	390	285	20	137
35-39	1287	907	290	88	125	1018	756	181	79	68	269	151	109	9	57
40+	298	215	73	9	31	235	181	45	8	23	63	34	28	1	8
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2228	1502	638	84	156	1273	996	217	57	72	955	506	421	27	84
<15	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0
15-17	60	32	27	1	7	0	0	0	0	0	60	32	27	1	7
18-19	137	71	65	1	10	19	15	4	0	5	118	56	61	1	5
20-24	633	410	206	17	52	253	195	49	9	16	380	215	157	8	36
25-29	703	507	163	30	57	454	370	63	19	35	249	137	100	11	22
30-34	455	320	109	26	22	346	277	48	21	11	109	43	61	5	11
35-39	187	132	45	9	6	157	114	34	8	4	30	18	11	1	2
40+	52	30	22	0	2	44	25	19	0	1	8	5	3	0	1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6780	4264	2019	493	760	3670	2655	571	442	276	3110	1609	1448	51	484
<15	12	4	7	1	3	0	0	0	0	0	12	4	7	1	3
15-17	159	80	76	3	38	2	1	1	0	0	157	79	75	3	38
18-19	375	181	185	9	60	22	13	6	3	8	353	168	179	6	52
20-24	1418	783	591	44	207	308	221	54	33	47	1110	562	537	11	160
25-29	1915	1233	517	164	213	1091	771	168	151	87	824	462	349	13	126
30-34	1808	1228	385	193	143	1370	1000	189	181	72	438	228	196	12	71
35-39	891	607	212	72	77	717	521	128	68	49	174	86	84	4	28
40+	202	148	46	7	19	160	128	25	6	13	42	20	21	1	6
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilmington	1064	444	601	18	172	343	238	94	11	48	721	206	507	7	124
<15	6	2	4	0	2	0	0	0	0	0	6	2	4	0	2
15-17	46	15	31	0	13	1	0	1	0	0	45	15	30	0	13
18-19	101	19	81	1	10	4	2	2	0	1	97	17	79	1	9
20-24	294	92	195	7	55	32	17	12	3	5	262	75	183	4	50
25-29	275	131	141	3	48	101	70	29	2	15	174	61	112	1	33
30-34	224	116	102	5	27	127	90	33	4	14	97	26	69	1	13
35-39	100	57	41	2	11	67	49	16	2	9	33	8	25	0	2
40+	18	12	6	0	6	11	10	1	0	4	7	2	5	0	2
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County	5716	3820	1418	475	588	3327	2417	477	431	228	2389	1403	941	44	360
<15	6	2	3	1	1	0	0	0	0	0	6	2	3	1	1
15-17	113	65	45	3	25	1	1	0	0	0	112	64	45	3	25
18-19	274	162	104	8	50	18	11	4	3	7	256	151	100	5	43
20-24	1124	691	396	37	152	276	204	42	30	42	848	487	354	7	110
25-29	1640	1102	376	161	165	990	701	139	149	72	650	401	237	12	93
30-34	1584	1112	283	188	116	1243	910	156	177	58	341	202	127	11	58
35-39	791	550	171	70	66	650	472	112	66	40	141	78	59	4	26
40+	184	136	40	7	13	149	118	24	6	9	35	18	16	1	4
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2283	1800	429	50	510	1017	916	68	30	168	1266	884	361	20	342
<15	3	1	2	0	1	1	1	0	0	1	2	0	2	0	0
15-17	63	46	16	1	22	3	3	0	0	2	60	43	16	1	20
18-19	173	131	40	2	33	13	13	0	0	6	160	118	40	2	27
20-24	656	466	179	10	145	153	140	8	4	38	503	326	171	6	107
25-29	675	550	108	15	155	362	328	22	11	50	313	222	86	4	105
30-34	460	401	46	13	102	310	282	18	10	47	150	119	28	3	55
35-39	209	168	33	7	42	144	121	19	3	15	65	47	14	4	27
40+	44	37	5	2	10	31	28	1	2	9	13	9	4	0	1
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.

LBMSAGE1

Source:  
Delaware Health Statistics Center

TABLE C-18  
NUMBER OF LIVE BIRTHS BY LIVE BIRTH ORDER AND AGE OF MOTHER  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Birth Order	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	11291	16	282	685	2707	3293	2723	1287	298	0
First	4613	15	255	524	1332	1327	790	303	67	0
Second	3590	1	27	142	875	1066	945	444	90	0
Third	1780	0	0	15	355	527	557	271	55	0
Fourth+	1256	0	0	3	132	353	423	262	83	0
Unknown	52	0	0	1	13	20	8	7	3	0
<b>Kent</b>	2228	1	60	137	633	703	455	187	52	0
First	868	1	57	99	300	266	97	37	11	0
Second	715	0	3	33	223	235	158	51	12	0
Third	352	0	0	4	77	114	106	39	12	0
Fourth+	286	0	0	0	32	83	94	60	17	0
Unknown	7	0	0	1	1	5	0	0	0	0
<b>New Castle</b>	6780	12	159	375	1418	1915	1808	891	202	0
First	2871	11	143	290	723	845	573	234	52	0
Second	2167	1	16	76	446	599	640	323	66	0
Third	1029	0	0	7	176	282	344	184	36	0
Fourth+	694	0	0	2	69	183	247	147	46	0
Unknown	19	0	0	0	4	6	4	3	2	0
Wilmington	1064	6	46	101	294	275	224	100	18	0
First	447	5	41	82	110	95	76	31	7	0
Second	300	1	5	17	105	71	61	36	4	0
Third	157	0	0	1	59	50	32	13	2	0
Fourth+	160	0	0	1	20	59	55	20	5	0
Unknown	0	0	0	0	0	0	0	0	0	0
Balance of NC County	5716	6	113	274	1124	1640	1584	791	184	0
First	2424	6	102	208	613	750	497	203	45	0
Second	1867	0	11	59	341	528	579	287	62	0
Third	872	0	0	6	117	232	312	171	34	0
Fourth+	534	0	0	1	49	124	192	127	41	0
Unknown	19	0	0	0	4	6	4	3	2	0
<b>Sussex</b>	2283	3	63	173	656	675	460	209	44	0
First	874	3	55	135	309	216	120	32	4	0
Second	708	0	8	33	206	232	147	70	12	0
Third	399	0	0	4	102	131	107	48	7	0
Fourth+	276	0	0	1	31	87	82	55	20	0
Unknown	26	0	0	0	8	9	4	4	1	0

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**Note:**

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

**Source:**

Delaware Health Statistics Center

TABLE C-19  
NUMBER AND PERCENT OF LIVE BIRTHS BY LIVE BIRTH ORDER, RACE  
AND HISPANIC ORIGIN OF MOTHER

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Birth Order	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	11291	100.0	7566	100.0	3086	100.0	627	100.0	1426	100.0
First	4613	40.9	3101	41.0	1198	38.8	311	49.6	439	30.8
Second	3590	31.8	2471	32.7	906	29.4	210	33.5	431	30.2
Third	1780	15.8	1214	16.0	505	16.4	60	9.6	316	22.2
Fourth+	1256	11.1	747	9.9	467	15.1	38	6.1	238	16.7
Unknown	52	0.5	33	0.4	10	0.3	8	1.3	2	0.1
<b>Kent</b>	2228	100.0	1502	100.0	638	100.0	84	100.0	156	100.0
First	868	39.0	609	40.5	226	35.4	33	39.3	58	37.2
Second	715	32.1	490	32.6	195	30.6	29	34.5	46	29.5
Third	352	15.8	217	14.4	124	19.4	10	11.9	30	19.2
Fourth+	286	12.8	182	12.1	91	14.3	11	13.1	22	14.1
Unknown	7	0.3	4	0.3	2	0.3	1	1.2	0	0.0
<b>New Castle</b>	6780	100.0	4264	100.0	2019	100.0	493	100.0	760	100.0
First	2871	42.3	1796	42.1	817	40.5	256	51.9	250	32.9
Second	2167	32.0	1399	32.8	598	29.6	169	34.3	235	30.9
Third	1029	15.2	682	16.0	307	15.2	40	8.1	150	19.7
Fourth+	694	10.2	378	8.9	295	14.6	21	4.3	124	16.3
Unknown	19	0.3	9	0.2	2	0.1	7	1.4	1	0.1
Wilmington	1064	100.0	444	100.0	601	100.0	18	100.0	172	100.0
First	447	42.0	204	45.9	233	38.8	9	50.0	54	31.4
Second	300	28.2	121	27.3	172	28.6	7	38.9	48	27.9
Third	157	14.8	62	14.0	94	15.6	1	5.6	30	17.4
Fourth+	160	15.0	57	12.8	102	17.0	1	5.6	40	23.3
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Balance of NC County	5716	100.0	3820	100.0	1418	100.0	475	100.0	588	100.0
First	2424	42.4	1592	41.7	584	41.2	247	52.0	196	33.3
Second	1867	32.7	1278	33.5	426	30.0	162	34.1	187	31.8
Third	872	15.3	620	16.2	213	15.0	39	8.2	120	20.4
Fourth+	534	9.3	321	8.4	193	13.6	20	4.2	84	14.3
Unknown	19	0.3	9	0.2	2	0.1	7	1.5	1	0.2
<b>Sussex</b>	2283	100.0	1800	100.0	429	100.0	50	100.0	510	100.0
First	874	38.3	696	38.7	155	36.1	22	44.0	131	25.7
Second	708	31.0	582	32.3	113	26.3	12	24.0	150	29.4
Third	399	17.5	315	17.5	74	17.2	10	20.0	136	26.7
Fourth+	276	12.1	187	10.4	81	18.9	6	12.0	92	18.0
Unknown	26	1.1	20	1.1	6	1.4	0	0.0	1	0.2

LBBORACE

**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 Health Statistics Center

TABLE C-20  
NUMBER OF LIVE BIRTHS BY PLURALITY AND AGE OF MOTHER  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Plurality	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	11291	16	282	685	2707	3293	2723	1287	298	0
Single	10884	14	280	673	2630	3181	2587	1241	278	0
Plural	407	2	2	12	77	112	136	46	20	0
<b>Kent</b>	2228	1	60	137	633	703	455	187	52	0
Single	2141	1	60	133	610	677	429	181	50	0
Plural	87	0	0	4	23	26	26	6	2	0
<b>New Castle</b>	6780	12	159	375	1418	1915	1808	891	202	0
Single	6525	10	159	367	1386	1845	1721	853	184	0
Plural	255	2	0	8	32	70	87	38	18	0
Wilmington	1064	6	46	101	294	275	224	100	18	0
Single	1018	4	46	97	290	260	207	98	16	0
Plural	46	2	0	4	4	15	17	2	2	0
Balance of NC County	5716	6	113	274	1124	1640	1584	791	184	0
Single	5507	6	113	270	1096	1585	1514	755	168	0
Plural	209	0	0	4	28	55	70	36	16	0
<b>Sussex</b>	2283	3	63	173	656	675	460	209	44	0
Single	2218	3	61	173	634	659	437	207	44	0
Plural	65	0	2	0	22	16	23	2	0	0

PLURAGE

**Note:**  
Plural births represent twins, triplets, etc.

**Source:**  
Delaware Health Statistics Center

TABLE C-21  
NUMBER AND PERCENT OF LIVE BIRTHS BY PLURALITY, RACE AND HISPANIC ORIGIN OF MOTHER

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Plurality	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	11291	100.0	7566	100.0	3086	100.0	627	100.0	1426	100.0
Single	10884	96.4	7322	96.8	2935	95.1	615	98.1	1406	98.6
Plural	407	3.6	244	3.2	151	4.9	12	1.9	20	1.4
<b>Kent</b>	2228	100.0	1502	100.0	638	100.0	84	100.0	156	100.0
Single	2141	96.1	1449	96.5	608	95.3	80	95.2	154	98.7
Plural	87	3.9	53	3.5	30	4.7	4	4.8	2	1.3
<b>New Castle</b>	6780	100.0	4264	100.0	2019	100.0	493	100.0	760	100.0
Single	6525	96.2	4114	96.5	1922	95.2	485	98.4	750	98.7
Plural	255	3.8	150	3.5	97	4.8	8	1.6	10	1.3
Wilmington	1064	100.0	444	100.0	601	100.0	18	100.0	172	100.0
Single	1018	95.7	423	95.3	576	95.8	18	100.0	166	96.5
Plural	46	4.3	21	4.7	25	4.2	0	0.0	6	3.5
Balance of NC County	5716	100.0	3820	100.0	1418	100.0	475	100.0	588	100.0
Single	5507	96.3	3691	96.6	1346	94.9	467	98.3	584	99.3
Plural	209	3.7	129	3.4	72	5.1	8	1.7	4	0.7
<b>Sussex</b>	2283	100.0	1800	100.0	429	100.0	50	100.0	510	100.0
Single	2218	97.2	1759	97.7	405	94.4	50	100.0	502	98.4
Plural	65	2.8	41	2.3	24	5.6	0	0.0	8	1.6

PLURRACE

**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 Health Statistics Center

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

DELAWARE, 2010

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	862	7.6	879	7.5	17	1.8
Kent General	1832	16.2	1865	16.0	33	3.5
Christiana Care	5781	51.2	6578	56.3	797	83.5
Milford Memorial	410	3.6	413	3.5	3	0.3
Nanticoke Memorial	855	7.6	877	7.5	22	2.3
St. Francis	801	7.1	838	7.2	37	3.9
Total	10541	93.4	11450	98.0	909	95.2
BIRTHING CENTER	108	1.0	152	1.3	44	4.6
HOME BIRTH	78	0.7	80	0.7	2	0.2
ENROUTE/OTHER	0	0.0	0	0.0	0	0.0
UNKNOWN	0	0.0	0	0.0	0	0.0
TOTAL	10727	95.0	11682	100.0	955	100.0
<b>OUT-OF-STATE</b>						
HOSPITAL						
Crozier Med. Center, PA	159	1.4	N/A		N/A	
Peninsula General, MD	128	1.1	N/A		N/A	
Riddle Memorial, PA	35	0.3	N/A		N/A	
Other Hospitals	240	2.1	N/A		N/A	
Total	562	5.0	N/A		N/A	
BIRTHING CENTER	2	0.0	N/A		N/A	
HOME BIRTH	0	0.0	N/A		N/A	
ENROUTE/OTHER	0	0.0	N/A		N/A	
UNKNOWN	0	0.0	N/A		N/A	
TOTAL	564	5.0	N/A		N/A	
<b>TOTAL</b>	<b>11291</b>	<b>100.0</b>	<b>11682</b>	<b>100.0</b>	<b>955</b>	<b>100.0</b>

PLACBRTH

**Notes:**

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

**Source:**

Delaware Health Statistics Center

TABLE C-23  
 FIVE-YEAR AVERAGE PERCENTAGE OF LOW BIRTHWEIGHT BIRTHS (<2500 GRAMS) BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(ALL RACES)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	7.2	7.2	7.3	7.4	7.5	7.5	7.6	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.2	8.2
<20	9.4	9.4	9.4	9.5	9.5	9.6	9.6	9.6	9.6	9.7	9.8	9.9	9.9	9.9	9.9	9.8
20-24	7.2	7.3	7.3	7.4	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.2	8.3	8.3
25-29	6.3	6.4	6.5	6.5	6.6	6.6	6.7	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.4	7.4
30+	7.1	7.2	7.3	7.4	7.5	7.5	7.6	7.7	7.7	7.8	8.0	8.1	8.2	8.2	8.3	8.3
<b>Delaware</b>	7.8	8.0	8.2	8.3	8.5	8.6	8.8	9.0	9.2	9.3	9.4	9.4	9.3	9.1	9.0	8.9
<20	10.7	10.7	10.6	10.6	10.9	11.0	11.1	11.3	11.2	11.2	11.5	11.4	11.2	11.3	11.1	10.5
20-24	7.9	8.3	8.5	8.6	9.0	9.1	8.9	9.1	9.5	9.5	9.6	9.8	9.9	9.5	9.4	9.3
25-29	6.9	7.0	7.2	7.3	7.5	7.6	7.6	7.9	8.3	8.4	8.6	8.5	8.2	8.1	8.0	8.0
30+	7.6	7.6	7.9	8.0	8.2	8.2	8.7	8.9	9.0	9.2	9.3	9.3	9.1	9.0	9.0	9.0
<b>Kent</b>	7.3	7.2	7.5	7.7	8.1	8.1	8.6	8.9	9.2	9.3	9.5	9.3	9.3	9.0	8.8	8.6
<20	9.6	9.3	9.0	8.8	9.7	9.8	11.0	11.9	12.0	11.3	12.4	11.7	11.4	11.0	11.8	10.3
20-24	7.1	6.9	7.3	7.7	8.0	8.1	8.2	8.3	9.1	9.4	9.3	9.8	9.8	9.2	8.2	8.5
25-29	6.1	6.3	6.9	7.1	7.4	7.1	7.5	7.2	7.6	7.6	7.9	7.4	7.5	7.7	7.9	7.9
30+	7.7	7.5	7.6	7.6	8.1	8.2	8.7	9.6	9.6	9.8	9.8	9.7	9.6	9.4	9.3	9.0
<b>New Castle</b>	8.2	8.3	8.5	8.6	8.8	8.8	9.1	9.3	9.6	9.7	9.9	9.9	9.8	9.6	9.5	9.4
<20	11.5	11.4	11.2	11.2	11.4	11.3	11.6	11.8	11.5	11.9	12.5	12.4	12.5	12.7	12.0	11.3
20-24	8.5	9.2	9.4	9.6	10.0	10.0	10.0	10.2	10.4	10.3	10.5	10.5	10.6	10.4	10.5	10.2
25-29	7.2	7.1	7.4	7.5	7.7	7.8	7.9	8.4	8.7	8.8	9.0	9.1	8.7	8.4	8.5	8.4
30+	7.8	7.7	8.0	8.1	8.3	8.2	8.7	8.9	9.1	9.3	9.6	9.6	9.4	9.2	9.1	9.1
<b>Wilmington</b>	12.2	12.1	12.2	12.3	12.6	13.1	13.5	14.2	14.1	14.0	14.4	13.9	13.6	13.4	13.5	13.2
<20	13.2	13.3	13.2	13.5	14.3	14.4	14.6	14.9	14.2	13.8	14.7	14.7	14.4	14.5	14.6	14.3
20-24	12.0	12.1	12.6	12.7	13.5	13.4	13.9	14.4	15.1	14.7	15.1	14.7	14.2	13.6	13.9	13.5
25-29	11.0	11.1	11.7	12.2	12.2	13.5	13.0	14.0	13.0	12.7	12.8	12.8	12.9	13.2	13.7	13.7
30+	12.4	11.8	11.1	11.0	10.5	11.1	12.6	13.6	13.7	14.3	14.5	13.4	12.9	12.7	12.2	11.8
<b>Balance of NC County</b>	7.2	7.4	7.6	7.7	8.0	7.9	8.1	8.3	8.6	8.8	9.0	9.1	9.0	8.8	8.6	8.5
<20	10.2	10.1	9.8	9.8	9.6	9.5	9.9	10.1	10.0	10.9	11.4	11.1	11.5	11.7	10.7	9.8
20-24	7.3	8.2	8.4	8.5	8.7	8.9	8.7	8.7	8.8	8.8	9.0	9.1	9.4	9.3	9.4	9.2
25-29	6.5	6.4	6.7	6.7	7.0	6.9	7.0	7.5	8.0	8.2	8.4	8.4	7.9	7.6	7.5	7.5
30+	7.1	7.2	7.6	7.7	8.0	7.9	8.2	8.3	8.6	8.8	9.0	9.1	9.0	8.8	8.6	8.7
<b>Sussex</b>	7.2	7.7	8.0	8.0	8.0	8.3	7.8	7.9	8.0	8.0	7.8	8.0	7.8	7.7	7.8	7.9
<20	9.7	10.0	10.7	10.6	10.7	11.1	10.1	9.4	9.6	9.4	8.4	8.8	8.2	8.4	8.7	8.9
20-24	7.1	7.5	7.5	7.3	7.6	7.7	6.9	7.3	7.6	7.6	7.9	8.4	8.4	8.0	8.1	8.2
25-29	6.2	7.0	7.0	6.8	7.1	7.3	6.7	7.1	7.6	7.5	7.6	7.7	7.5	7.2	6.9	7.0
30+	6.8	7.0	7.7	8.1	7.7	8.0	8.4	8.4	8.0	8.1	7.7	7.7	7.3	7.6	8.1	8.2

Sources:  
 National Center for Health Statistics  
 Delaware Health Statistics Center

FYALBW1

TABLE C-24  
FIVE-YEAR AVERAGE PERCENTAGE OF LOW BIRTHWEIGHT BIRTHS (<2500 GRAMS) BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(WHITE)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.7	6.8	6.9	7.0	7.1	7.1	N/A	N/A
<20	7.8	7.8	7.9	8.0	8.1	8.1	8.1	8.1	8.2	8.2	8.3	8.4	8.5	8.5	N/A	N/A
20-24	6.0	6.0	6.2	6.2	6.3	6.4	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.0	N/A	N/A
25-29	5.3	5.4	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	N/A	N/A
30+	6.0	6.1	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.2	7.3	7.4	7.4	N/A	N/A
<b>Delaware</b>	6.1	6.3	6.5	6.6	6.8	6.8	7.0	7.3	7.6	7.6	7.7	7.6	7.5	7.3	7.2	7.2
<20	8.3	8.1	7.9	8.0	8.1	8.3	8.6	8.7	8.8	8.9	8.9	8.7	8.8	8.6	8.3	7.6
20-24	5.5	6.0	6.3	6.4	6.6	6.8	6.7	7.2	7.5	7.6	7.5	7.7	7.6	7.4	7.3	7.4
25-29	5.5	5.8	5.9	5.7	5.9	5.9	5.8	6.2	6.9	7.0	7.2	7.0	6.8	6.6	6.6	6.5
30+	6.4	6.5	6.8	6.9	7.0	7.0	7.5	7.6	7.7	7.8	7.9	7.8	7.6	7.5	7.4	7.5
<b>Kent</b>	5.8	5.9	6.0	5.9	6.1	6.3	6.6	7.3	7.6	7.8	7.7	7.7	7.6	7.6	7.3	7.3
<20	7.2	6.9	6.4	5.9	6.6	7.6	8.9	10.1	10.1	9.4	9.7	9.2	9.3	9.3	9.5	8.1
20-24	5.2	5.2	5.6	5.8	6.0	6.3	6.3	6.8	7.3	7.7	7.4	8.3	8.0	7.8	7.0	7.5
25-29	5.5	5.9	6.1	5.1	5.0	4.7	4.9	4.9	6.0	6.2	6.4	5.9	6.0	6.4	6.6	6.5
30+	6.2	6.3	6.0	6.0	6.3	6.4	6.9	8.2	8.3	8.6	8.5	8.4	8.1	8.2	7.8	7.7
<b>New Castle</b>	6.2	6.4	6.6	6.7	6.9	6.9	7.2	7.3	7.7	7.8	8.0	7.9	7.8	7.6	7.4	7.3
<20	9.0	8.8	8.4	8.6	8.3	8.3	8.5	8.5	8.7	9.5	9.9	9.6	10.0	9.5	8.8	8.0
20-24	5.7	6.3	6.7	6.8	7.1	7.3	7.4	7.8	8.1	8.1	8.3	8.1	7.8	7.7	7.7	7.4
25-29	5.6	5.6	5.7	5.8	6.0	6.1	6.2	6.6	7.2	7.2	7.4	7.6	7.3	6.9	7.0	6.8
30+	6.5	6.5	6.8	7.0	7.2	7.0	7.4	7.4	7.6	7.7	8.0	7.8	7.7	7.6	7.3	7.4
<b>Wilmington</b>	6.6	6.5	6.7	7.8	7.9	8.3	8.8	9.4	9.2	9.3	9.1	8.8	8.1	7.9	7.7	8.1
<20	10.0	10.0	9.1	10.2	11.2	10.1	10.3	9.8	9.5	9.1	8.9	9.3	9.7	9.4	9.8	11.0
20-24	6.2	5.4	6.7	7.8	8.3	9.5	10.2	11.6	11.9	12.1	11.5	11.3	8.7	7.9	7.8	8.3
25-29	5.4	6.0	6.0	7.0	7.3	8.7	8.5	9.0	9.3	8.6	7.7	8.4	8.0	7.6	7.6	8.2
30+	6.5	6.1	6.3	7.4	7.1	6.9	7.9	8.3	7.4	8.3	8.7	7.5	7.4	7.7	7.2	7.3
<b>Balance of NC County</b>	6.2	6.4	6.6	6.6	6.8	6.7	7.0	7.1	7.5	7.6	7.9	7.8	7.8	7.5	7.4	7.2
<20	8.8	8.5	8.2	8.3	7.9	8.0	8.3	8.3	8.6	9.6	10.1	9.6	10.0	9.6	8.6	7.5
20-24	5.6	6.5	6.8	6.7	7.0	7.0	7.0	7.3	7.6	7.6	7.8	7.6	7.7	7.7	7.6	7.3
25-29	5.6	5.6	5.7	5.7	5.9	5.9	6.0	6.4	7.0	7.1	7.4	7.5	7.2	6.8	6.9	6.7
30+	6.5	6.5	6.9	7.0	7.2	7.0	7.4	7.3	7.6	7.7	7.9	7.8	7.7	7.6	7.3	7.4
<b>Sussex</b>	5.7	6.3	6.8	6.8	6.9	7.0	6.9	7.0	7.2	7.0	6.8	6.7	6.6	6.5	6.7	6.8
<20	7.5	7.3	8.3	8.5	9.1	8.9	8.6	7.7	7.8	7.1	6.1	6.5	6.3	6.3	6.6	6.7
20-24	5.1	5.9	6.1	6.0	6.1	6.3	5.8	6.3	6.4	6.3	6.1	6.5	6.7	6.6	6.9	7.3
25-29	5.2	6.3	6.3	6.1	6.3	6.2	5.7	6.2	6.8	6.8	7.0	6.5	6.4	5.9	5.6	5.6
30+	5.9	6.4	7.2	7.4	7.2	7.7	8.1	8.0	7.8	7.7	7.3	7.2	6.8	6.9	7.5	7.7

FYALBW2

**Note:**

N/A indicates data not available.

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center



TABLE C-25  
 FIVE-YEAR AVERAGE PERCENTAGE OF LOW BIRTHWEIGHT BIRTHS (<2500 GRAMS) BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(BLACK)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	13.3	13.2	13.1	13.1	13.1	13.0	13.0	13.1	13.1	13.2	13.3	13.4	13.5	13.5	N/A	N/A
<20	13.3	13.3	13.3	13.3	13.4	13.6	13.6	13.7	13.8	13.9	14.0	14.2	14.2	14.1	N/A	N/A
20-24	12.2	12.0	12.0	12.0	12.0	12.0	12.1	12.3	12.5	12.7	12.9	13.0	13.1	13.1	N/A	N/A
25-29	13.0	12.8	12.6	12.4	12.3	12.2	12.1	12.1	12.1	12.2	12.4	12.5	12.6	12.7	N/A	N/A
30+	15.2	15.1	15.0	14.9	14.8	14.6	14.4	14.3	14.3	14.2	14.2	14.3	14.3	14.2	N/A	N/A
<b>Delaware</b>	13.4	13.3	13.5	13.6	14.1	14.1	14.0	14.2	14.1	14.1	14.3	14.6	14.3	14.0	13.9	13.6
<20	13.4	13.7	13.7	13.6	14.1	14.1	14.1	14.5	14.2	14.2	14.9	14.8	14.4	14.8	15.0	14.4
20-24	12.8	13.1	13.0	13.3	13.8	13.7	13.3	13.2	13.5	13.4	13.9	14.0	14.4	13.6	13.4	12.9
25-29	12.5	12.0	13.1	13.3	14.1	14.2	13.8	13.8	13.3	12.8	13.1	13.2	12.6	12.7	12.7	12.8
30+	15.5	14.8	14.5	14.5	14.4	14.7	15.0	15.7	15.6	16.0	15.7	16.3	15.6	15.1	14.8	14.7
<b>Kent</b>	12.2	11.8	12.4	13.5	14.1	13.7	14.4	13.9	14.0	13.9	14.3	13.8	13.7	12.6	12.5	11.9
<20	13.1	13.1	13.0	13.4	14.4	13.4	14.6	14.9	15.0	14.4	15.6	14.2	13.5	12.4	13.9	13.1
20-24	11.9	11.6	12.1	12.8	12.9	12.6	12.8	12.2	12.9	13.3	13.6	13.1	13.4	12.2	11.0	10.7
25-29	8.8	8.7	10.6	13.0	14.4	13.9	14.8	12.8	13.1	12.2	12.8	12.2	12.2	11.4	11.3	10.8
30+	16.0	14.1	14.2	15.4	15.4	15.8	16.7	17.0	16.1	16.5	16.3	16.4	16.2	14.9	15.3	13.9
<b>New Castle</b>	14.3	14.3	14.4	14.1	14.5	14.6	14.6	14.9	14.7	14.7	14.8	15.1	14.9	14.6	14.5	14.3
<20	14.0	14.1	13.9	13.8	14.3	14.2	14.6	15.1	14.4	14.4	15.4	15.4	15.4	16.2	15.8	14.8
20-24	13.6	14.3	14.1	14.4	14.7	14.7	14.5	14.1	14.3	14.0	14.2	14.4	15.0	14.5	14.8	14.2
25-29	13.8	13.1	14.3	13.9	14.3	14.5	14.0	14.4	13.8	13.5	13.6	13.5	12.8	12.8	12.8	13.1
30+	16.1	15.7	15.2	14.5	14.7	15.1	15.3	16.0	16.3	16.6	16.2	16.8	16.0	15.4	15.0	15.0
<b>Wilmington</b>	15.3	15.3	15.3	14.9	15.2	15.8	16.2	17.0	17.1	17.0	17.7	17.3	17.1	16.8	17.0	16.3
<20	14.0	14.2	14.2	14.2	14.9	15.4	15.5	16.2	15.5	15.3	16.6	16.3	15.7	15.7	15.8	15.0
20-24	14.2	14.5	14.7	14.5	15.4	14.8	15.4	15.5	16.6	16.0	16.7	16.3	16.7	16.1	16.6	15.6
25-29	15.1	15.1	16.0	15.9	15.9	17.2	16.3	17.6	15.7	15.8	16.5	16.4	16.6	17.2	17.7	17.6
30+	19.6	19.1	17.3	15.7	15.0	16.7	18.6	20.8	22.4	22.7	22.4	21.3	19.8	18.7	18.0	17.1
<b>Balance of NC County</b>	13.1	13.2	13.5	13.5	13.9	13.7	13.3	13.2	13.0	13.1	12.9	13.7	13.5	13.2	13.0	13.1
<20	14.0	14.1	13.4	13.1	13.4	12.5	13.2	13.6	12.7	13.2	13.7	14.2	14.9	16.7	15.7	14.5
20-24	12.8	14.1	13.5	14.3	14.0	14.5	13.6	12.8	12.2	12.1	12.0	12.8	13.6	13.1	13.4	13.0
25-29	12.7	11.6	13.1	12.5	13.4	12.8	12.7	12.5	12.8	12.3	12.2	12.1	10.8	10.4	10.1	10.8
30+	13.3	13.2	13.8	13.8	14.5	14.4	13.7	14.0	13.9	14.4	13.9	15.3	14.7	14.2	13.9	14.3
<b>Sussex</b>	11.5	11.5	11.6	11.8	12.2	12.4	11.2	11.7	11.5	11.7	12.3	13.3	12.7	13.0	12.7	13.0
<20	12.1	12.9	13.6	13.2	13.1	14.2	12.4	12.4	12.7	13.6	12.6	13.6	12.4	13.1	13.5	14.5
20-24	11.1	10.9	10.6	10.3	11.7	11.4	10.3	10.8	11.5	11.5	13.1	13.9	13.5	12.3	11.6	11.2
25-29	11.1	10.7	10.4	11.0	12.3	12.8	11.1	12.0	10.9	10.0	11.1	13.2	12.6	14.3	14.2	14.1
30+	12.0	11.3	11.2	13.1	11.3	11.0	11.2	12.1	10.4	11.3	11.4	11.8	11.4	12.8	12.3	13.6

FYALBW3

**Note:**

N/A indicates data not available.

**Sources:**

National Center for Health Statistics  
 Delaware Health Statistics Center

TABLE C-26  
FIVE-YEAR AVERAGE PERCENTAGE OF LOW BIRTHWEIGHT BIRTHS (<2500 GRAMS) BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(HISPANIC ORIGIN\*)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	6.2	6.2	6.3	6.3	6.4	6.4	6.4	6.4	6.5	6.6	6.7	6.8	6.9	6.9	6.9	7.0
<20	7.6	7.6	7.7	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.9	8.0	8.0	8.0	8.0	8.0
20-24	5.7	5.8	5.8	5.9	5.9	6.0	6.0	6.1	6.1	6.2	6.3	6.4	6.5	6.6	6.6	6.6
25-29	5.5	5.5	5.5	5.5	5.5	5.5	5.6	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.2
30+	6.6	6.6	6.7	6.8	6.8	6.8	6.9	6.9	7.0	7.1	7.2	7.3	7.4	7.4	7.4	7.4
<b>Delaware</b>	7.2	7.0	7.2	7.4	7.4	7.2	7.0	7.0	7.0	6.9	7.0	7.0	7.2	7.1	7.1	7.0
<20	8.9	8.0	8.3	9.2	9.4	9.5	10.0	8.4	8.4	8.2	8.3	7.8	8.4	7.6	7.5	6.9
20-24	6.0	5.7	6.0	5.6	6.0	5.8	5.4	6.3	6.9	7.2	6.9	7.2	7.4	7.0	6.6	6.9
25-29	6.7	7.5	8.1	8.0	7.5	7.4	6.7	6.5	6.5	6.4	6.9	6.9	6.6	6.7	6.4	6.1
30+	8.5	7.7	7.1	8.2	8.2	7.6	7.7	7.5	6.9	6.1	6.6	6.5	7.1	7.5	8.2	8.0
<b>Kent</b>	4.4	5.8	5.7	6.1	6.9	7.3	6.3	8.2	8.1	8.3	9.5	9.4	8.8	9.1	8.4	7.3
<20	6.3	5.6	7.7	7.2	9.0	9.5	7.8	10.3	12.3	7.9	10.8	12.6	9.2	7.8	8.8	7.6
20-24	4.0	5.1	4.8	4.7	5.4	6.4	5.0	7.1	7.6	10.3	9.7	11.0	10.6	10.0	7.7	7.4
25-29	4.8	7.0	5.6	6.7	5.4	5.3	4.8	7.7	6.7	8.0	11.3	9.4	8.0	9.8	9.9	7.8
30+	2.0	5.7	5.7	7.4	9.8	10.6	9.8	9.0	7.4	5.2	6.3	4.4	6.6	8.0	7.7	6.4
<b>New Castle</b>	8.5	8.0	8.6	8.8	8.6	8.1	7.9	7.7	7.5	7.4	7.6	7.5	7.8	8.0	7.9	7.8
<20	10.4	9.5	9.9	10.5	10.0	9.7	10.3	8.5	8.3	9.0	9.1	8.5	10.1	9.3	8.6	8.1
20-24	7.2	6.5	7.4	7.4	7.2	7.0	6.6	7.5	7.7	8.1	7.9	7.7	7.6	7.7	7.2	7.3
25-29	7.8	8.6	9.8	9.3	8.7	8.8	8.1	7.1	6.6	6.3	6.2	6.7	6.6	7.1	7.0	6.9
30+	9.4	8.0	7.5	8.6	9.3	7.5	7.8	8.1	7.5	6.7	7.9	7.6	8.0	8.4	9.0	9.1
<b>Wilmington</b>	9.2	8.7	8.1	9.4	9.7	9.2	8.8	9.7	8.9	8.9	9.4	9.8	9.3	9.8	9.7	9.9
<20	11.7	11.2	10.5	11.4	11.3	9.9	8.8	8.6	7.3	7.1	8.0	9.5	10.1	11.4	11.3	11.1
20-24	9.1	7.3	7.0	7.5	7.6	8.2	7.8	10.2	10.3	11.2	10.9	11.5	9.2	9.0	7.8	8.0
25-29	7.0	9.4	8.6	9.3	9.7	9.2	8.7	9.4	8.8	7.6	8.0	8.6	8.6	9.3	10.1	10.4
30+	6.8	5.5	5.2	9.9	11.5	10.0	10.6	10.4	8.1	8.5	10.3	8.5	9.3	10.3	11.0	11.5
<b>Balance of NC County</b>	8.0	7.6	8.9	8.4	7.9	7.6	7.6	6.9	7.0	6.9	7.0	6.8	7.4	7.5	7.4	7.2
<20	8.9	7.7	9.2	9.6	8.9	9.5	11.3	8.4	8.9	10.1	9.7	8.0	10.1	8.4	7.6	7.1
20-24	5.5	6.0	7.7	7.3	6.9	6.4	6.0	6.2	6.6	6.9	6.8	6.4	7.0	7.2	7.0	7.0
25-29	8.3	8.2	10.4	9.3	8.2	8.7	7.9	6.3	5.9	5.9	5.7	6.1	6.1	6.6	6.2	6.0
30+	10.6	9.1	8.4	8.0	8.3	6.6	6.9	7.3	7.4	6.3	7.3	7.4	7.7	8.0	8.7	8.6
<b>Sussex</b>	4.9	4.9	4.8	5.0	5.1	5.2	5.1	4.8	5.7	5.2	5.1	5.4	5.6	5.0	5.3	5.4
<20	4.5	3.7	3.5	6.4	7.7	8.7	9.7	7.5	7.2	6.0	5.2	4.4	4.5	4.5	4.8	4.3
20-24	4.1	4.3	4.3	3.4	4.2	3.4	3.3	3.5	5.1	4.4	4.2	5.1	5.9	4.9	5.3	6.2
25-29	4.0	4.9	5.2	5.7	5.7	5.1	4.5	4.9	6.1	6.2	7.0	6.7	6.0	5.1	4.3	4.1
30+	9.2	8.0	6.7	7.5	4.3	6.9	6.3	5.4	5.2	4.7	3.8	4.7	5.0	5.5	6.6	6.5

FYALBW4

**Notes:**

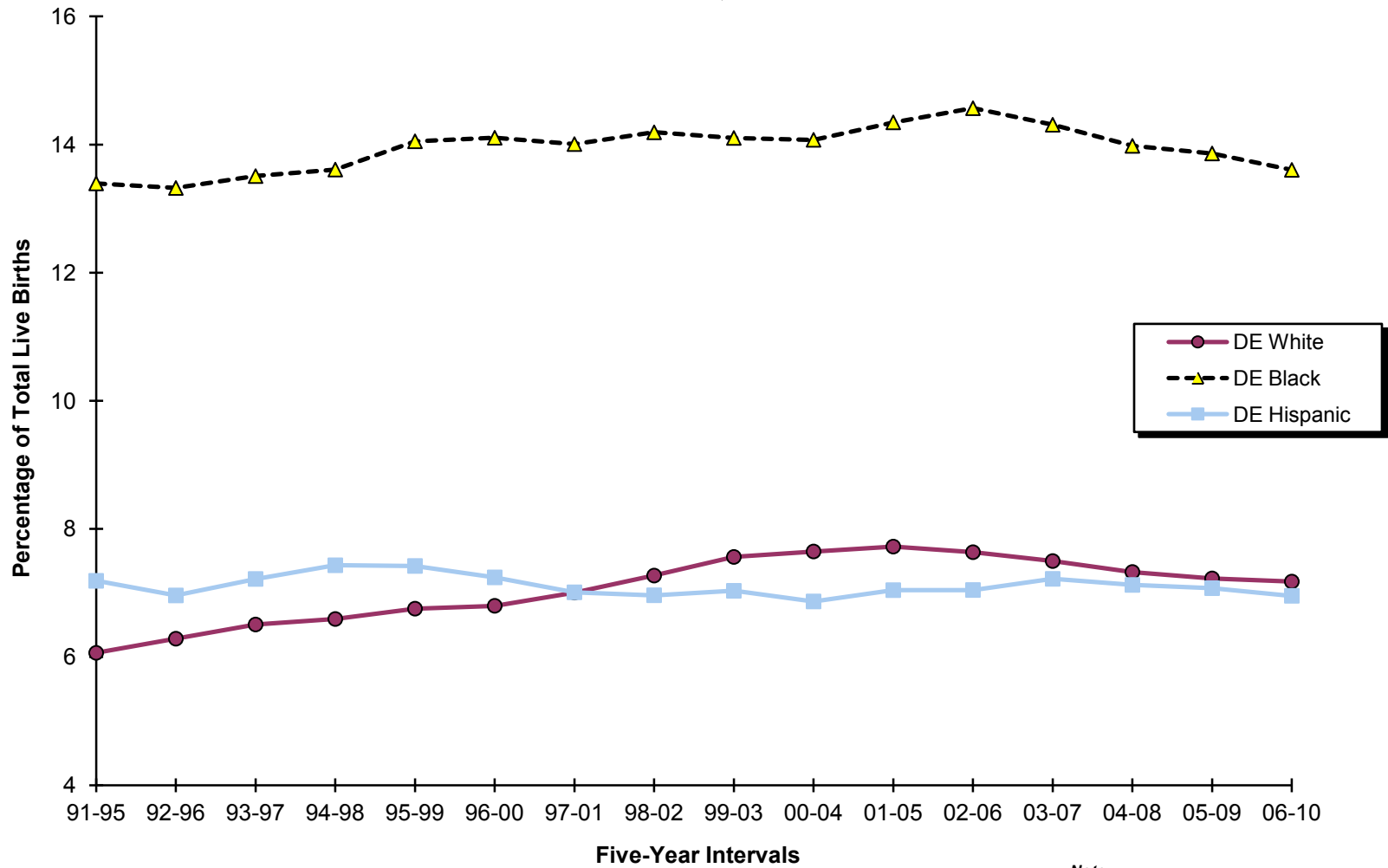
\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.  
Percentages in this table should be interpreted with caution due to small numbers.

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

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

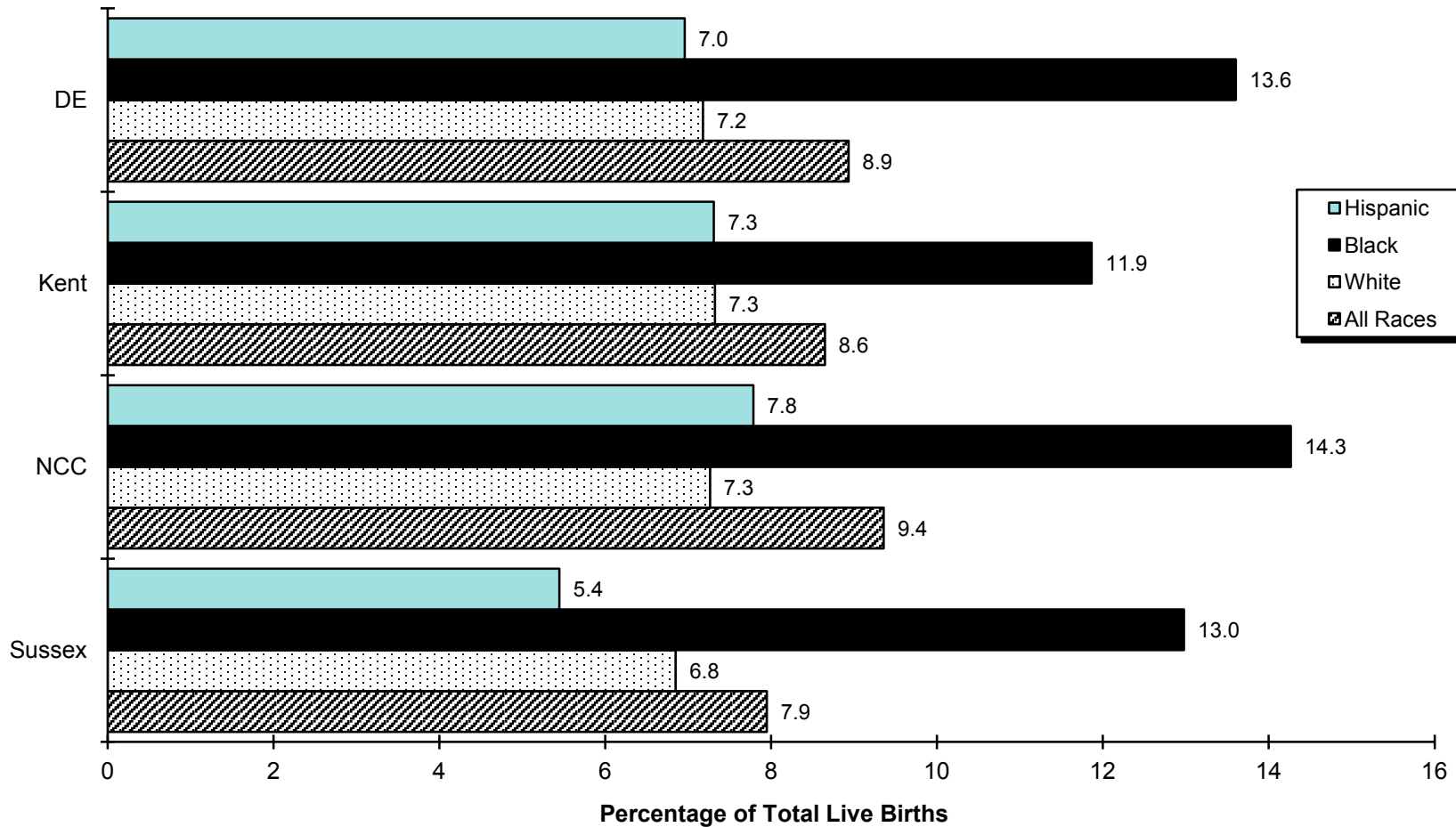
**Delaware, 1991-2010**



**Note:**  
 \*Hispanic may be of any race.  
**Source:**  
 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, 2006-2010**



**Note:**  
 \*Hispanic may be of any race.  
**Source:**  
 Delaware Health Statistics Center

TABLE C-27  
 FIVE-YEAR AVERAGE PERCENTAGE OF VERY LOW BIRTHWEIGHT BIRTHS (<1500 GRAMS) BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(ALL RACES)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	1.3	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5
<20	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.8
20-24	1.3	1.3	1.3	1.3	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	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
30+	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
<b>Delaware</b>	1.6	1.6	1.7	1.7	1.8	1.9	1.8	1.9	1.9	1.9	1.9	2.0	1.9	1.8	1.9	1.8
<20	2.4	2.3	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.2	2.4	2.4	2.4	2.4	2.7	2.4
20-24	1.6	1.7	1.8	1.9	2.0	2.1	2.0	1.9	1.9	1.8	1.9	1.9	1.9	1.9	1.9	1.7
25-29	1.4	1.4	1.5	1.6	1.6	1.6	1.5	1.6	1.7	1.7	1.7	1.8	1.7	1.6	1.6	1.6
30+	1.5	1.5	1.6	1.6	1.6	1.7	1.8	1.8	2.0	1.9	2.0	2.0	1.9	1.8	1.9	1.8
<b>Kent</b>	1.5	1.5	1.6	1.7	1.8	1.8	1.8	1.8	1.9	2.0	1.9	1.8	1.8	1.7	1.7	1.5
<20	2.6	2.4	2.0	2.0	1.9	1.9	1.8	1.8	1.8	1.7	2.1	2.2	2.7	2.6	3.0	2.0
20-24	1.3	1.2	1.6	1.6	1.6	1.7	1.8	1.6	2.1	2.2	2.2	2.1	2.0	1.8	1.6	1.4
25-29	1.1	1.2	1.5	1.5	1.7	1.6	1.7	1.5	1.8	1.9	1.8	1.5	1.5	1.4	1.3	1.2
30+	1.6	1.6	1.7	1.8	2.0	2.1	2.0	2.2	2.0	1.9	1.7	1.6	1.5	1.7	1.9	1.7
<b>New Castle</b>	1.7	1.7	1.8	1.8	1.9	1.9	1.9	1.9	2.0	1.9	2.0	2.1	2.0	2.0	2.1	2.0
<20	2.5	2.5	2.2	2.1	2.4	2.5	2.6	2.8	2.8	2.6	2.8	2.8	2.7	2.7	2.8	2.5
20-24	1.8	2.1	2.0	2.1	2.4	2.5	2.3	2.2	2.1	1.8	1.9	1.9	2.0	2.2	2.3	2.1
25-29	1.5	1.5	1.6	1.7	1.7	1.6	1.5	1.6	1.6	1.6	1.7	1.8	1.7	1.7	1.8	2.0
30+	1.5	1.5	1.6	1.5	1.6	1.7	1.7	1.8	2.1	2.0	2.1	2.2	2.1	1.9	2.0	2.0
Wilmington	2.8	2.9	2.8	2.8	2.9	3.0	3.0	3.1	3.1	2.9	3.0	3.1	3.0	2.8	3.1	3.1
<20	3.0	2.9	2.7	2.8	3.2	3.2	3.2	3.5	3.2	2.7	2.7	2.9	2.6	3.0	3.2	3.2
20-24	2.3	2.9	2.9	2.9	3.3	3.5	3.3	3.3	3.5	3.3	3.3	3.2	3.1	2.7	2.8	2.4
25-29	2.4	2.4	2.6	2.7	2.7	2.6	2.4	2.5	2.4	2.7	3.1	3.5	3.5	3.3	3.2	3.5
30+	3.4	3.1	2.9	2.8	2.4	2.6	2.9	2.8	3.0	2.9	2.9	2.7	2.7	2.4	3.2	3.3
Balance of NC County	1.4	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.8	1.7	1.8	1.9	1.9	1.8	1.9	1.8
<20	2.2	2.2	1.9	1.7	1.9	2.1	2.2	2.5	2.6	2.6	2.9	2.8	2.7	2.6	2.6	2.1
20-24	1.6	1.7	1.7	1.9	2.1	2.1	2.0	1.9	1.6	1.4	1.4	1.5	1.7	2.0	2.1	2.0
25-29	1.3	1.4	1.4	1.5	1.5	1.5	1.4	1.4	1.5	1.4	1.4	1.5	1.4	1.4	1.5	1.7
30+	1.2	1.3	1.5	1.4	1.5	1.6	1.6	1.7	2.0	1.9	2.0	2.1	2.1	1.9	1.9	1.8
<b>Sussex</b>	1.4	1.4	1.5	1.6	1.6	1.7	1.6	1.7	1.6	1.6	1.6	1.7	1.5	1.5	1.5	1.4
<20	1.9	1.9	2.3	2.5	2.6	2.6	2.4	2.3	2.3	1.9	1.6	1.7	1.6	1.7	2.2	2.4
20-24	1.4	1.4	1.5	1.6	1.6	1.6	1.4	1.5	1.4	1.4	1.5	1.5	1.4	1.3	1.3	1.3
25-29	1.3	1.4	1.3	1.3	1.3	1.4	1.3	1.6	1.8	1.8	1.9	1.9	1.8	1.6	1.3	1.2
30+	1.0	1.0	1.2	1.4	1.4	1.5	1.8	1.6	1.4	1.5	1.5	1.5	1.3	1.4	1.5	1.5

FYAVLBW1

Sources:  
 National Center for Health Statistics  
 Delaware Health Statistics Center

TABLE C-28  
FIVE-YEAR AVERAGE PERCENTAGE OF VERY LOW BIRTHWEIGHT BIRTHS (<1500 GRAMS) BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(WHITE)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	N/A	N/A
<20	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.5	1.5	1.5	N/A	N/A
20-24	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	N/A	N/A
25-29	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	N/A	N/A
30+	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	N/A	N/A
<b>Delaware</b>	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.5	1.4	1.4	1.4	1.3	1.3	1.3	1.2
<20	1.7	1.6	1.4	1.3	1.5	1.7	1.7	1.9	2.0	1.8	1.9	1.9	1.7	1.7	1.8	1.4
20-24	1.0	1.1	1.2	1.3	1.4	1.4	1.4	1.4	1.5	1.3	1.2	1.3	1.2	1.3	1.3	1.3
25-29	1.0	1.1	1.1	1.2	1.2	1.1	1.0	1.2	1.3	1.3	1.3	1.3	1.2	1.1	1.1	1.2
30+	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.3	1.3	1.3	1.2
<b>Kent</b>	1.2	1.3	1.3	1.3	1.2	1.3	1.2	1.4	1.5	1.6	1.4	1.4	1.2	1.2	1.2	1.1
<20	2.3	2.5	2.0	2.0	1.8	1.6	1.4	1.6	1.3	1.1	1.3	1.5	1.6	1.6	1.8	1.1
20-24	0.9	0.9	1.1	1.1	0.9	1.0	1.2	1.3	1.7	1.8	1.6	1.7	1.4	1.3	1.2	1.1
25-29	1.0	1.3	1.3	1.3	1.2	1.3	1.2	1.3	1.4	1.6	1.4	1.1	1.0	1.0	0.9	0.9
30+	1.2	1.2	1.1	1.2	1.2	1.3	1.3	1.7	1.5	1.5	1.3	1.3	1.1	1.2	1.3	1.1
<b>New Castle</b>	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.4	1.4	1.4	1.3
<20	1.8	1.6	1.3	1.2	1.4	1.7	1.9	2.0	2.3	2.2	2.3	2.1	1.9	1.9	1.8	1.2
20-24	1.1	1.1	1.2	1.2	1.5	1.5	1.5	1.5	1.4	1.1	1.1	1.2	1.3	1.5	1.6	1.5
25-29	1.0	1.1	1.1	1.2	1.2	1.1	1.0	1.0	1.1	1.1	1.2	1.4	1.3	1.2	1.3	1.4
30+	1.1	1.1	1.3	1.2	1.3	1.3	1.2	1.3	1.5	1.5	1.6	1.6	1.5	1.3	1.3	1.3
Wilmington	1.4	1.3	1.5	1.8	1.9	2.1	2.0	1.8	1.7	1.3	1.2	1.5	1.2	1.2	1.5	1.6
<20	2.1	2.1	1.2	1.4	1.8	2.4	2.6	2.8	2.7	2.0	1.4	1.4	1.1	1.6	1.2	1.4
20-24	1.3	1.5	1.7	2.2	2.4	2.9	2.8	2.8	2.3	1.7	1.3	1.8	1.7	1.7	1.7	1.3
25-29	1.2	1.0	1.4	1.5	1.5	1.5	1.4	1.3	2.0	1.4	1.6	2.2	1.9	1.3	1.5	1.6
30+	1.2	1.0	1.6	1.9	1.8	1.9	1.7	1.1	0.9	0.7	0.8	0.8	0.5	0.7	1.4	1.8
Balance of NC County	1.1	1.1	1.2	1.1	1.2	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.4	1.4	1.4	1.3
<20	1.8	1.5	1.3	1.2	1.3	1.6	1.8	1.9	2.2	2.2	2.5	2.2	2.1	2.0	1.9	1.2
20-24	1.0	1.1	1.1	1.1	1.4	1.4	1.3	1.3	1.1	1.0	1.1	1.1	1.2	1.5	1.6	1.5
25-29	1.0	1.1	1.1	1.2	1.2	1.1	0.9	1.0	1.0	1.1	1.2	1.3	1.2	1.2	1.3	1.4
30+	1.0	1.1	1.2	1.1	1.2	1.2	1.2	1.3	1.5	1.5	1.6	1.7	1.5	1.4	1.3	1.2
<b>Sussex</b>	1.0	1.0	1.1	1.3	1.4	1.4	1.4	1.5	1.5	1.3	1.3	1.3	1.2	1.1	1.1	1.1
<20	0.8	0.8	1.1	1.2	1.6	1.7	1.7	1.8	2.1	1.6	1.4	1.8	1.5	1.3	1.7	1.9
20-24	1.0	1.1	1.3	1.6	1.6	1.6	1.4	1.5	1.3	1.2	1.1	1.1	0.9	1.0	1.0	1.0
25-29	1.0	1.1	1.0	1.0	1.0	1.0	0.9	1.4	1.6	1.5	1.4	1.5	1.4	1.1	0.9	0.9
30+	0.9	0.9	1.2	1.4	1.4	1.4	1.6	1.4	1.2	1.2	1.3	1.3	1.1	1.0	1.1	1.0

Note:

N/A indicates data not available.

FYAVLBW2

Sources:

National Center for Health Statistics  
Delaware Health Statistics Center

TABLE C-29  
FIVE-YEAR AVERAGE PERCENTAGE OF VERY LOW BIRTHWEIGHT BIRTHS (<1500 GRAMS) BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(BLACK)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	N/A	N/A
<20	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	2.9	N/A	N/A
20-24	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.7	N/A	N/A
25-29	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0	3.0	2.9	N/A	N/A
30+	3.5	3.6	3.6	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.6	N/A	N/A
<b>Delaware</b>	3.2	3.2	3.3	3.3	3.5	3.6	3.6	3.4	3.5	3.3	3.5	3.5	3.5	3.5	3.5	3.4
<20	3.2	3.1	3.1	3.1	3.3	3.2	3.3	3.3	3.2	2.8	3.1	3.2	3.3	3.5	3.9	3.7
20-24	2.9	3.1	3.2	3.2	3.5	3.6	3.4	3.0	3.0	2.9	3.2	3.2	3.3	3.1	3.0	2.7
25-29	3.0	3.0	3.3	3.3	3.6	3.7	3.6	3.3	3.3	3.4	3.4	3.5	3.4	3.4	3.2	3.3
30+	4.1	4.0	3.8	3.6	3.7	3.9	4.2	4.3	4.5	4.4	4.2	4.4	4.2	4.0	4.3	4.3
<b>Kent</b>	2.6	2.3	2.8	2.9	3.5	3.6	3.8	3.1	3.4	3.3	3.5	3.3	3.5	3.2	3.2	2.5
<20	3.0	2.4	1.9	2.0	2.1	2.3	2.7	2.3	2.7	2.5	3.1	3.1	4.1	3.7	4.4	3.1
20-24	2.5	2.2	3.1	2.9	3.5	3.6	3.5	2.7	3.2	3.1	3.6	3.2	3.4	3.1	2.6	2.0
25-29	1.4	1.1	2.0	2.5	3.4	3.2	3.8	2.8	3.5	3.2	3.4	3.3	3.2	2.7	2.4	2.0
30+	3.8	3.9	4.4	4.8	5.1	5.4	5.5	5.1	4.7	4.5	3.8	3.5	3.4	3.5	4.1	3.6
<b>New Castle</b>	3.6	3.8	3.6	3.5	3.7	3.8	3.8	3.7	3.7	3.5	3.6	3.7	3.7	3.7	3.8	3.8
<20	3.2	3.4	3.1	3.0	3.3	3.2	3.3	3.6	3.3	3.0	3.3	3.6	3.5	3.7	3.9	3.8
20-24	3.2	3.7	3.6	3.8	4.0	4.1	3.8	3.5	3.2	3.1	3.2	3.2	3.3	3.3	3.4	3.1
25-29	3.5	3.5	3.8	3.6	3.8	3.8	3.7	3.5	3.5	3.5	3.3	3.4	3.3	3.5	3.4	3.8
30+	4.6	4.5	4.2	3.7	3.7	3.9	4.2	4.3	4.7	4.4	4.4	4.7	4.6	4.2	4.4	4.3
Wilmington	3.6	3.8	3.6	3.4	3.5	3.6	3.6	3.8	3.9	4.0	4.2	4.2	4.1	3.9	4.1	4.0
<20	3.2	3.1	3.0	3.1	3.5	3.4	3.4	3.7	3.4	2.9	3.1	3.5	3.1	3.4	3.9	3.8
20-24	2.7	3.5	3.5	3.2	3.7	3.8	3.6	3.5	4.0	3.9	4.1	3.8	3.7	3.2	3.3	2.9
25-29	3.4	3.6	3.7	3.7	3.6	3.5	3.0	3.3	2.7	3.7	4.2	4.7	4.8	4.9	4.5	5.0
30+	5.9	5.7	4.5	3.8	3.3	3.6	4.5	5.2	5.9	5.9	5.8	5.3	5.4	4.5	5.3	5.1
Balance of NC County	3.6	3.7	3.7	3.7	3.9	4.0	3.9	3.7	3.5	3.2	3.2	3.4	3.5	3.5	3.6	3.6
<20	3.4	3.8	3.2	2.9	3.1	3.1	3.1	3.6	3.2	3.1	3.5	3.8	3.9	4.0	4.0	3.8
20-24	3.6	4.0	3.8	4.4	4.4	4.5	4.1	3.5	2.4	2.3	2.5	2.6	3.0	3.4	3.5	3.3
25-29	3.7	3.5	3.8	3.6	3.9	4.0	4.2	3.7	3.9	3.4	2.9	2.8	2.6	2.7	2.7	3.2
30+	3.5	3.7	4.0	3.7	4.0	4.1	4.0	3.9	4.3	3.9	3.9	4.4	4.3	4.1	4.1	4.1
<b>Sussex</b>	2.5	2.3	2.5	2.7	2.6	2.6	2.6	2.6	2.5	2.7	3.0	3.0	2.8	3.0	3.0	3.1
<20	3.1	3.1	3.8	4.1	4.1	3.9	3.8	3.4	3.1	2.7	2.3	1.9	1.8	2.6	3.2	3.8
20-24	2.3	2.0	1.9	1.7	1.8	1.6	1.7	1.7	1.8	2.1	2.8	3.0	2.9	2.5	2.3	2.2
25-29	2.6	2.5	2.8	2.9	2.8	3.4	2.8	2.7	2.5	2.9	3.9	4.0	3.9	3.8	3.4	2.7
30+	1.8	1.4	0.9	1.4	1.5	1.4	2.4	3.2	3.0	3.8	3.3	3.2	2.6	3.5	3.7	4.9

FYAVLBW3

**Note:**

N/A indicates data not available.

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

TABLE C-30  
FIVE-YEAR AVERAGE PERCENTAGE OF VERY LOW BIRTHWEIGHT BIRTHS (<1500 GRAMS) BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1991-2010

(HISPANIC ORIGIN\*)

Area/ Age	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.2
<20	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
20-24	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
25-29	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1
30+	1.3	1.3	1.3	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>	1.5	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.6	1.3	1.3	1.3	1.2	1.1	1.2	1.1
<20	1.9	1.2	0.9	0.8	1.3	2.0	2.8	2.4	2.6	2.2	1.9	1.4	1.4	1.2	1.2	0.9
20-24	1.1	1.2	1.2	1.1	1.4	1.4	1.0	1.1	1.1	0.8	0.8	0.8	0.9	0.8	0.9	0.8
25-29	1.4	1.3	1.7	1.6	1.7	1.3	1.5	1.6	1.6	1.4	1.4	1.3	1.1	1.0	1.1	1.0
30+	2.0	1.5	1.6	1.6	1.7	1.6	1.5	1.6	1.6	1.4	1.6	1.8	1.6	1.6	1.7	1.5
<b>Kent</b>	0.7	1.0	1.0	1.2	1.1	1.0	0.5	0.9	0.8	0.7	1.2	1.4	1.3	1.5	1.6	1.1
<20	3.1	1.4	1.5	1.4	1.5	0.0	0.0	0.0	0.0	0.0	2.7	2.5	2.3	2.1	2.0	0.0
20-24	0.0	1.7	1.6	1.6	1.6	2.1	0.7	0.6	1.2	0.9	0.4	1.2	1.1	1.0	1.3	1.4
25-29	0.0	0.0	0.0	1.3	1.1	0.9	0.8	2.1	1.3	1.3	2.0	1.8	1.0	1.4	1.7	1.2
30+	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.6	1.1	1.9	1.7	1.4
<b>New Castle</b>	1.9	1.5	1.7	1.6	1.9	1.9	2.0	1.9	1.9	1.6	1.6	1.5	1.4	1.3	1.4	1.3
<20	1.9	1.3	1.0	1.0	1.7	2.7	3.7	3.2	3.4	3.0	2.3	1.7	1.6	1.5	1.4	1.3
20-24	1.8	1.5	1.6	1.5	1.6	1.5	1.3	1.3	1.1	1.0	1.0	1.0	1.1	1.0	1.1	0.9
25-29	1.6	1.4	2.1	1.8	2.1	1.7	2.1	1.7	1.8	1.2	1.2	1.1	1.1	1.1	1.2	1.3
30+	2.5	2.0	2.1	2.1	2.3	1.8	1.6	1.9	2.0	1.8	2.2	2.4	1.9	1.9	2.0	1.8
<b>Wilmington</b>	2.1	1.8	1.9	1.8	2.3	2.3	2.4	2.1	1.9	1.2	1.1	1.6	1.5	1.7	1.9	2.1
<20	2.9	2.4	1.5	1.6	2.1	3.0	3.6	3.8	3.2	2.2	1.3	1.2	0.9	1.9	1.5	1.7
20-24	1.9	1.7	1.8	2.1	2.3	2.2	2.0	1.9	1.4	1.1	1.1	1.5	1.7	1.5	1.6	1.7
25-29	2.1	2.0	3.3	2.3	3.2	2.6	2.7	2.1	2.5	1.2	1.1	2.2	1.8	1.7	2.1	2.5
30+	1.1	0.0	1.0	0.9	1.5	1.3	1.2	0.5	0.5	0.0	1.0	1.4	1.3	1.8	2.7	2.8
<b>Balance of NC County</b>	1.7	1.3	1.6	1.4	1.6	1.6	1.8	1.8	1.9	1.7	1.7	1.4	1.3	1.2	1.3	1.1
<20	0.6	0.0	0.5	0.5	1.3	2.5	3.8	2.9	3.6	3.4	2.8	2.0	1.9	1.3	1.4	1.1
20-24	1.7	1.3	1.5	1.1	1.2	1.2	1.0	1.0	1.0	0.9	1.0	0.8	0.8	0.8	0.9	0.6
25-29	1.2	1.0	1.5	1.5	1.6	1.4	1.8	1.5	1.5	1.2	1.2	0.8	0.9	0.9	1.0	1.0
30+	3.2	2.9	2.5	2.6	2.6	2.0	1.7	2.3	2.5	2.2	2.5	2.6	2.1	1.9	1.9	1.7
<b>Sussex</b>	0.7	1.0	0.7	0.7	0.8	0.9	0.8	1.0	1.1	1.0	0.8	0.8	0.7	0.6	0.7	0.7
<20	1.1	0.9	0.0	0.0	0.0	0.7	1.1	1.0	1.3	1.2	0.7	0.3	0.6	0.3	0.5	0.5
20-24	0.0	0.6	0.5	0.5	0.9	0.9	0.4	0.8	0.9	0.5	0.5	0.5	0.4	0.4	0.6	0.6
25-29	1.6	1.8	1.4	1.2	1.0	0.6	0.5	1.2	1.5	1.6	1.5	1.5	1.0	0.9	0.6	0.5
30+	1.3	1.0	0.8	0.8	0.7	1.7	1.6	1.2	1.0	0.8	0.4	0.8	0.9	0.9	1.0	1.0

FYAVLBW4

**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.

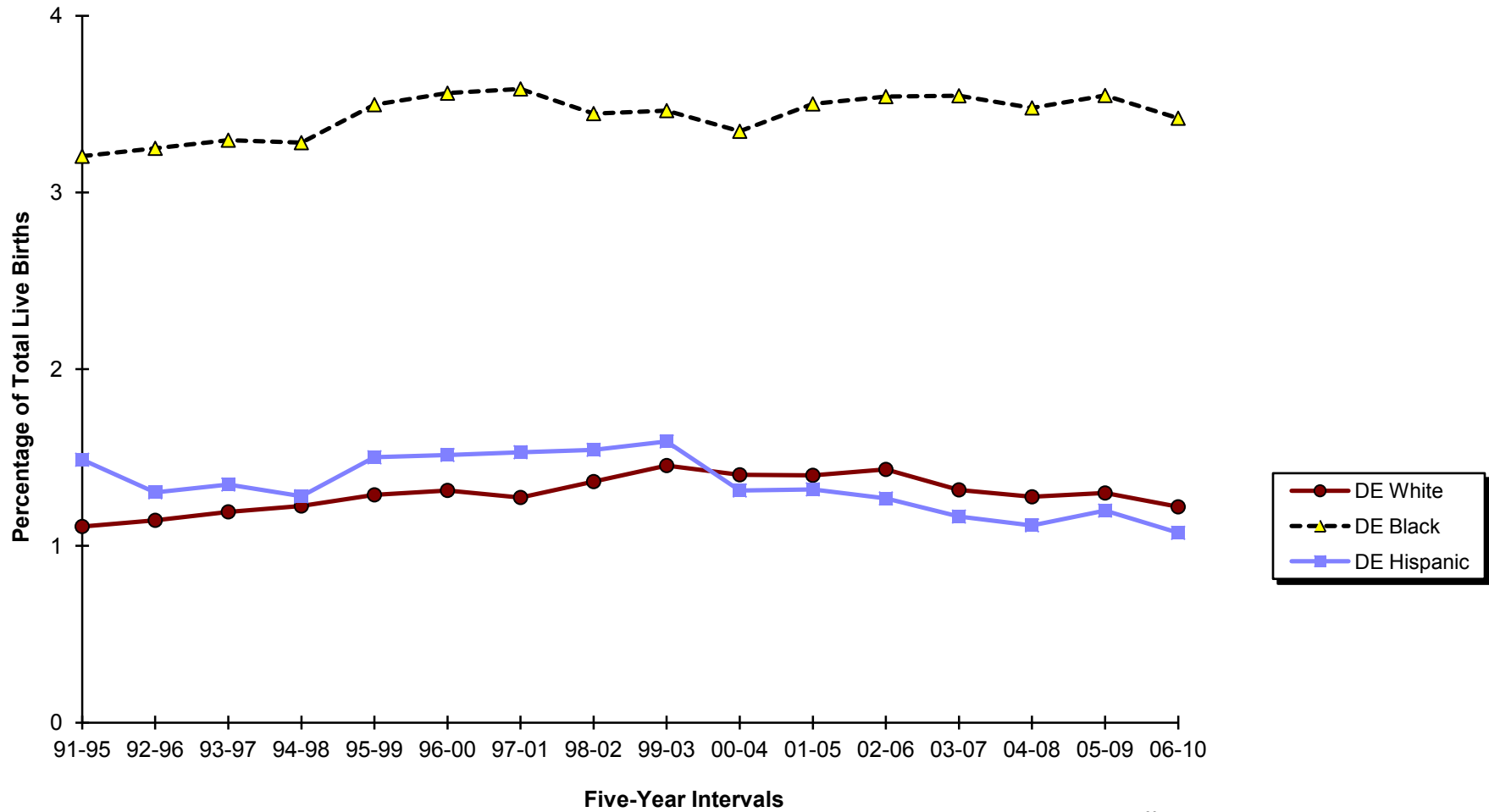
**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center



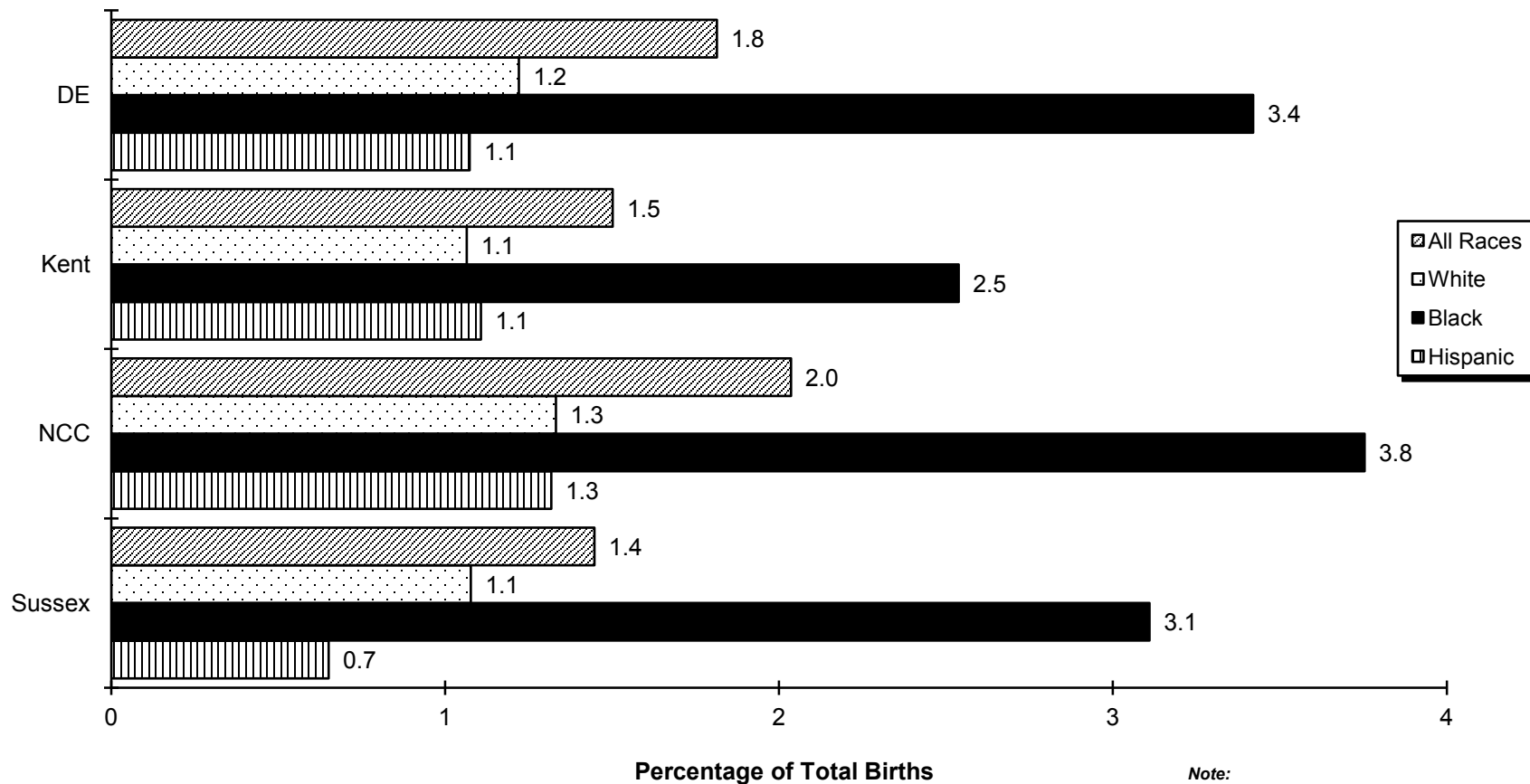
**Figure C-13**  
**Five-Year Average Percentage of Very Low Birthweight**  
**Births (<1500 Grams) by Race and Hispanic Origin\***

**Delaware, 1991-2010**



**Note:**  
 \*Hispanic may be of any race.  
**Source:**  
 Delaware Health Statistics Center

**Figure C-14**  
**Five-Year Average Percentage of**  
**Very Low Birthweight Births (<1500 Grams) by Race**  
**Delaware and Counties, 2006-2010**



*Note:*  
*\*Hispanic may be of any race.*  
**Source:**  
 Delaware Health Statistics Center

TABLE C-31  
NUMBER OF LIVE BIRTHS BY BIRTHWEIGHT IN GRAMS AND AGE OF MOTHER  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Birthweight	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	11291	16	282	685	2707	3293	2723	1287	298	0
<2500	1015	4	22	71	254	279	217	122	46	0
<1500	195	3	4	12	41	59	41	26	9	0
<500	24	1	1	2	5	9	4	1	1	0
500-749	36	1	1	2	7	7	7	10	1	0
750-999	44	0	0	0	10	18	8	5	3	0
1000-1499	91	1	2	8	19	25	22	10	4	0
1500-1999	213	0	6	14	53	58	48	21	13	0
2000-2499	607	1	12	45	160	162	128	75	24	0
2500+	10272	12	260	614	2451	3013	2506	1164	252	0
Unknown	4	0	0	0	2	1	0	1	0	0
<b>Kent</b>	2228	1	60	137	633	703	455	187	52	0
<2500	189	1	4	15	59	57	36	12	5	0
<1500	19	0	0	0	5	8	2	2	2	0
<500	3	0	0	0	1	2	0	0	0	0
500-749	5	0	0	0	2	1	1	1	0	0
750-999	5	0	0	0	1	3	0	0	1	0
1000-1499	6	0	0	0	1	2	1	1	1	0
1500-1999	41	0	2	4	15	11	7	2	0	0
2000-2499	129	1	2	11	39	38	27	8	3	0
2500+	2038	0	56	122	573	646	419	175	47	0
Unknown	1	0	0	0	1	0	0	0	0	0
<b>New Castle</b>	6780	12	159	375	1418	1915	1808	891	202	0
<2500	626	2	12	42	130	167	139	98	36	0
<1500	139	2	3	8	23	44	30	23	6	0
<500	19	1	1	2	3	6	4	1	1	0
500-749	26	0	1	2	4	5	5	8	1	0
750-999	30	0	0	0	5	14	5	5	1	0
1000-1499	64	1	1	4	11	19	16	9	3	0
1500-1999	132	0	3	8	25	35	30	18	13	0
2000-2499	355	0	6	26	82	88	79	57	17	0
2500+	6151	10	147	333	1287	1747	1669	792	166	0
Unknown	3	0	0	0	1	1	0	1	0	0
Wilmington	1064	6	46	101	294	275	224	100	18	0
<2500	134	0	2	20	33	39	28	9	3	0
<1500	33	0	0	3	5	12	9	3	1	0
<500	5	0	0	0	0	2	3	0	0	0
500-749	9	0	0	1	1	2	3	1	1	0
750-999	11	0	0	0	3	6	1	1	0	0
1000-1499	8	0	0	2	1	2	2	1	0	0
1500-1999	32	0	1	6	6	10	5	3	1	0
2000-2499	69	0	1	11	22	17	14	3	1	0
2500+	930	6	44	81	261	236	196	91	15	0
Unknown	0	0	0	0	0	0	0	0	0	0
Balance of NC County	5716	6	113	274	1124	1640	1584	791	184	0
<2500	492	2	10	22	97	128	111	89	33	0
<1500	106	2	3	5	18	32	21	20	5	0
<500	14	1	1	2	3	4	1	1	1	0
500-749	17	0	1	1	3	3	2	7	0	0
750-999	19	0	0	0	2	8	4	4	1	0
1000-1499	56	1	1	2	10	17	14	8	3	0
1500-1999	100	0	2	2	19	25	25	15	12	0
2000-2499	286	0	5	15	60	71	65	54	16	0
2500+	5221	4	103	252	1026	1511	1473	701	151	0
Unknown	3	0	0	0	1	1	0	1	0	0
<b>Sussex</b>	2283	3	63	173	656	675	460	209	44	0
<2500	200	1	6	14	65	55	42	12	5	0
<1500	37	1	1	4	13	7	9	1	1	0
<500	2	0	0	0	1	1	0	0	0	0
500-749	5	1	0	0	1	1	1	1	0	0
750-999	9	0	0	0	4	1	3	0	1	0
1000-1499	21	0	1	4	7	4	5	0	0	0
1500-1999	40	0	1	2	13	12	11	1	0	0
2000-2499	123	0	4	8	39	36	22	10	4	0
2500+	2083	2	57	159	591	620	418	197	39	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 Health Statistics Center

AGEBRWT

TABLE C-32  
NUMBER OF LIVE BIRTHS BY BIRTHWEIGHT IN GRAMS, RACE AND HISPANIC ORIGIN OF MOTHER

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Birthweight	Race				Hispanic Origin*
	All Races	White	Black	Other	
<b>Delaware</b>	11291	7566	3086	627	1426
<2500	1015	556	413	44	95
<1500	195	84	100	11	12
<500	24	9	13	2	2
500-749	36	9	26	1	2
750-999	44	19	22	3	3
1000-1499	91	47	39	5	5
1500-1999	213	120	85	8	22
2000-2499	607	352	228	25	61
2500+	10272	7008	2672	582	1330
Unknown	4	2	1	1	1
<b>Kent</b>	2228	1502	638	84	156
<2500	189	108	71	9	8
<1500	19	8	7	4	0
<500	3	2	1	0	0
500-749	5	1	4	0	0
750-999	5	2	1	2	0
1000-1499	6	3	1	2	0
1500-1999	41	22	18	1	3
2000-2499	129	78	46	4	5
2500+	2038	1393	567	75	148
Unknown	1	1	0	0	0
<b>New Castle</b>	6780	4264	2019	493	760
<2500	626	320	271	34	56
<1500	139	57	75	7	10
<500	19	5	12	2	1
500-749	26	7	18	1	2
750-999	30	12	17	1	2
1000-1499	64	33	28	3	5
1500-1999	132	71	54	7	13
2000-2499	355	192	142	20	33
2500+	6151	3943	1747	458	703
Unknown	3	1	1	1	1
Wilmington	1064	444	601	18	172
<2500	134	41	91	1	17
<1500	33	9	24	0	4
<500	5	1	4	0	0
500-749	9	4	5	0	2
750-999	11	2	9	0	1
1000-1499	8	2	6	0	1
1500-1999	32	10	22	0	4
2000-2499	69	22	45	1	9
2500+	930	403	510	17	155
Unknown	0	0	0	0	0
Balance of NC County	5716	3820	1418	475	588
<2500	492	279	180	33	39
<1500	106	48	51	7	6
<500	14	4	8	2	1
500-749	17	3	13	1	0
750-999	19	10	8	1	1
1000-1499	56	31	22	3	4
1500-1999	100	61	32	7	9
2000-2499	286	170	97	19	24
2500+	5221	3540	1237	441	548
Unknown	3	1	1	1	1
<b>Sussex</b>	2283	1800	429	50	510
<2500	200	128	71	1	31
<1500	37	19	18	0	2
<500	2	2	0	0	1
500-749	5	1	4	0	0
750-999	9	5	4	0	1
1000-1499	21	11	10	0	0
1500-1999	40	27	13	0	6
2000-2499	123	82	40	1	23
2500+	2083	1672	358	49	479
Unknown	0	0	0	0	0

RACEBRWT

**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 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, 2010

Race-Origin/ Weeks	Age							
	Total	<20	20-24	25-29	30-34	35-39	40+	Unknown
<b>All Races</b>	11291	983	2707	3293	2723	1287	298	0
<20 Weeks	8	1	2	2	2	1	0	0
20-27 Weeks	96	13	16	32	18	14	3	0
28-31 Weeks	155	12	34	55	27	21	6	0
32-35 Weeks	705	73	193	177	167	68	27	0
36 Weeks	477	39	100	139	119	63	17	0
37-39 Weeks	5872	454	1314	1686	1497	748	173	0
40 Weeks	2297	222	572	699	534	221	49	0
41 Weeks	915	96	260	282	199	70	8	0
42+ Weeks	758	73	215	218	159	80	13	0
Unknown	8	0	1	3	1	1	2	0
<b>White</b>	7566	546	1659	2290	1949	907	215	0
<20 Weeks	2	0	0	1	0	1	0	0
20-27 Weeks	40	4	5	14	10	6	1	0
28-31 Weeks	72	6	17	23	16	8	2	0
32-35 Weeks	439	32	109	125	111	48	14	0
36 Weeks	293	24	51	79	79	46	14	0
37-39 Weeks	3931	242	796	1172	1069	523	129	0
40 Weeks	1569	128	353	501	382	166	39	0
41 Weeks	667	63	183	207	158	53	3	0
42+ Weeks	550	47	144	167	124	56	12	0
Unknown	3	0	1	1	0	0	1	0
<b>Black</b>	3086	419	976	788	540	290	73	0
<20 Weeks	5	1	2	1	1	0	0	0
20-27 Weeks	51	8	11	16	7	8	1	0
28-31 Weeks	80	6	17	30	11	12	4	0
32-35 Weeks	234	40	81	45	38	19	11	0
36 Weeks	158	14	48	49	32	12	3	0
37-39 Weeks	1589	205	479	391	309	166	39	0
40 Weeks	586	87	201	152	95	41	10	0
41 Weeks	211	33	73	64	23	14	4	0
42+ Weeks	169	25	64	38	23	18	1	0
Unknown	3	0	0	2	1	0	0	0
<b>Other</b>	627	18	71	209	232	88	9	0
<20 Weeks	1	0	0	0	1	0	0	0
20-27 Weeks	5	1	0	2	1	0	1	0
28-31 Weeks	3	0	0	2	0	1	0	0
32-35 Weeks	31	1	3	7	18	0	2	0
36 Weeks	24	1	1	10	7	5	0	0
37-39 Weeks	346	7	38	119	119	58	5	0
40 Weeks	142	7	18	46	57	14	0	0
41 Weeks	37	0	4	11	18	3	1	0
42+ Weeks	37	1	7	12	11	6	0	0
Unknown	1	0	0	0	0	1	0	0
<b>Hispanic Origin*</b>	1426	174	404	425	267	125	31	0
<20 Weeks	0	0	0	0	0	0	0	0
20-27 Weeks	8	0	3	1	3	0	1	0
28-31 Weeks	17	1	5	8	2	1	0	0
32-35 Weeks	92	14	18	29	20	9	2	0
36 Weeks	52	8	15	9	12	5	3	0
37-39 Weeks	730	81	210	215	136	70	18	0
40 Weeks	280	45	75	85	51	20	4	0
41 Weeks	123	10	39	39	25	10	0	0
42+ Weeks	121	15	38	38	18	10	2	0
Unknown	3	0	1	1	0	0	1	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 Health Statistics Center

NGESRCAG

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

DELAWARE, 2010

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>	11291	104	155	705	477	5872	2297	915	758	8
<500	24	24	0	0	0	0	0	0	0	0
500-999	80	58	20	2	0	0	0	0	0	0
1000-1499	91	14	41	24	1	9	2	0	0	0
1500-1999	213	2	39	123	21	18	4	2	4	0
2000-2499	607	2	8	195	103	228	27	16	27	1
2500-2999	2099	3	14	186	161	1256	271	101	104	3
3000-3499	4247	0	21	119	123	2442	916	324	301	1
3500-3999	2979	0	12	43	50	1471	821	349	232	1
4000-4499	811	0	0	9	13	380	227	107	75	0
4500+	136	0	0	4	5	67	29	16	15	0
Unknown	4	1	0	0	0	1	0	0	0	2
<b>White</b>	7566	42	72	439	293	3931	1569	667	550	3
<500	9	9	0	0	0	0	0	0	0	0
500-999	28	20	7	1	0	0	0	0	0	0
1000-1499	47	8	17	16	1	4	1	0	0	0
1500-1999	120	1	19	71	14	10	3	0	2	0
2000-2499	352	2	6	130	45	133	10	9	16	1
2500-2999	1239	1	5	121	99	734	149	62	67	1
3000-3499	2783	0	15	64	87	1599	573	235	210	0
3500-3999	2210	0	3	27	32	1084	617	266	180	1
4000-4499	660	0	0	6	10	309	190	83	62	0
4500+	116	0	0	3	5	57	26	12	13	0
Unknown	2	1	0	0	0	1	0	0	0	0
<b>Black</b>	3086	56	80	234	158	1589	586	211	169	3
<500	13	13	0	0	0	0	0	0	0	0
500-999	48	36	11	1	0	0	0	0	0	0
1000-1499	39	4	23	7	0	4	1	0	0	0
1500-1999	85	1	20	47	6	6	1	2	2	0
2000-2499	228	0	2	59	50	86	16	7	8	0
2500-2999	722	2	9	53	56	435	103	35	28	1
3000-3499	1169	0	6	48	29	668	266	73	78	1
3500-3999	639	0	9	15	14	320	169	72	40	0
4000-4499	127	0	0	3	3	61	29	20	11	0
4500+	15	0	0	1	0	9	1	2	2	0
Unknown	1	0	0	0	0	0	0	0	0	1
<b>Other</b>	627	6	3	31	24	346	142	37	37	1
<500	2	2	0	0	0	0	0	0	0	0
500-999	4	2	2	0	0	0	0	0	0	0
1000-1499	5	2	1	1	0	1	0	0	0	0
1500-1999	8	0	0	5	1	2	0	0	0	0
2000-2499	25	0	0	6	7	9	1	0	2	0
2500-2999	133	0	0	11	5	85	19	4	9	0
3000-3499	293	0	0	7	7	173	77	16	13	0
3500-3999	128	0	0	1	4	66	35	11	11	0
4000-4499	23	0	0	0	0	9	8	4	2	0
4500+	5	0	0	0	0	1	2	2	0	0
Unknown	1	0	0	0	0	0	0	0	0	1
<b>Hispanic Origin*</b>	1426	8	17	92	52	730	280	123	121	3
<500	2	2	0	0	0	0	0	0	0	0
500-999	5	4	1	0	0	0	0	0	0	0
1000-1499	5	1	3	1	0	0	0	0	0	0
1500-1999	22	0	4	13	2	2	0	0	1	0
2000-2499	61	0	2	26	6	19	2	3	3	0
2500-2999	270	0	1	21	16	162	40	12	16	2
3000-3499	619	0	5	25	20	342	120	46	61	0
3500-3999	339	0	1	4	5	161	87	49	31	1
4000-4499	88	0	0	2	2	38	28	13	5	0
4500+	14	0	0	0	1	6	3	0	4	0
Unknown	1	1	0	0	0	0	0	0	0	0

GESTWGT

**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 Health Statistics Center

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

DELAWARE, 2010

Race-Origin/ Age	Source of Payment											
	Total		Medicaid		Private Insurance		Self Pay		Other Government		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	11291	100.0	5482	48.6	5223	46.3	187	1.7	345	3.1	49	0.4
<20	983	100.0	790	80.4	166	16.9	7	0.7	19	1.9	1	0.1
20-24	2707	100.0	1993	73.6	546	20.2	45	1.7	111	4.1	9	0.3
25-29	3293	100.0	1477	44.9	1626	49.4	53	1.6	117	3.6	18	0.5
30-34	2723	100.0	807	29.6	1786	65.6	48	1.8	70	2.6	12	0.4
35+	1585	100.0	415	26.2	1099	69.3	34	2.1	28	1.8	9	0.6
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>White</b>	7566	100.0	3270	43.2	3842	50.8	141	1.8636	276	3.6	32	0.4
<20	546	100.0	433	79.3	93	17.0	6	1.1	13	2.4	1	0.2
20-24	1659	100.0	1146	69.1	378	22.8	37	2.2	88	5.3	7	0.4
25-29	2290	100.0	934	40.8	1206	52.7	40	1.7	96	4.2	12	0.5
30-34	1949	100.0	496	25.4	1352	69.4	35	1.8	60	3.1	6	0.3
35+	1122	100.0	261	23.3	813	72.5	23	2.0	19	1.7	6	0.5
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Black</b>	3086	100.0	2019	65.4	969	31.4	32	1.0	53	1.7	13	0.4
<20	419	100.0	344	82.1	70	16.7	0	0.0	5	1.2	0	0.0
20-24	976	100.0	801	82.1	147	15.1	6	0.6	20	2.0	2	0.2
25-29	788	100.0	477	60.5	282	35.8	8	1.0	16	2.0	5	0.6
30-34	540	100.0	263	48.7	257	47.6	10	1.9	5	0.9	5	0.9
35+	363	100.0	134	36.9	213	58.7	8	2.2	7	1.9	1	0.3
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Other</b>	627	100.0	183	29.2	412	65.7	13	2.1	16	2.6	3	0.5
<20	18	100.0	13	72.2	3	16.7	1	5.6	1	5.6	0	0.0
20-24	71	100.0	45	63.4	21	29.6	2	2.8	3	4.2	0	0.0
25-29	209	100.0	60	28.7	138	66.0	5	2.4	5	2.4	1	0.5
30-34	232	100.0	47	20.3	177	76.3	2	0.9	5	2.2	1	0.4
35+	97	100.0	18	18.6	73	75.3	3	3.1	2	2.1	1	1.0
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Hispanic Origin*</b>	1426	100.0	1191	83.5	173	12.1	20	1.4	39	2.7	2	0.1
<20	174	100.0	154	88.5	12	6.9	3	1.7	5	2.9	0	0.0
20-24	404	100.0	356	88.1	28	6.9	9	2.2	11	2.7	0	0.0
25-29	425	100.0	346	81.4	58	13.6	5	1.2	15	3.5	0	0.0
30-34	267	100.0	217	81.3	43	16.1	2	0.7	4	1.5	1	0.4
35+	156	100.0	118	75.6	32	20.5	1	0.6	4	2.6	1	0.6
Unknown	0	...	0	...	0	...	0	...	0	...	0	...

PSOPRCAG

**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 Health Statistics Center

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

DELAWARE, 2010

Race-Origin/ Marital Status	Source of Payment											
	Total		Medicaid		Private Insurance		Self Pay		Other Government		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	11291	100.0	5482	48.6	5223	46.3	187	1.7	345	3.1	49	0.4
Married	5960	100.0	1344	22.6	4136	69.4	140	2.3	304	5.1	32	0.5
Single	5331	100.0	4138	77.6	1087	20.4	47	0.9	41	0.8	17	0.3
<b>White</b>	7566	100.0	3270	43.2	3842	50.8	141	1.9	276	3.6	32	0.4
Married	4567	100.0	941	20.6	3232	70.8	114	2.5	254	5.6	22	0.5
Single	2999	100.0	2329	77.7	610	20.3	27	0.9	22	0.7	10	0.3
<b>Black</b>	3086	100.0	2019	65.4	969	31.4	32	1.0	53	1.7	13	0.4
Married	856	100.0	289	33.8	507	59.2	18	2.1	35	4.1	7	0.8
Single	2230	100.0	1730	77.6	462	20.7	14	0.6	18	0.8	6	0.3
<b>Other</b>	627	100.0	183	29.2	412	65.7	13	2.1	16	2.6	3	0.5
Married	529	100.0	107	20.2	397	75.0	8	1.5	15	2.8	2	0.4
Single	98	100.0	76	77.6	15	15.3	5	5.1	1	1.0	1	1.0
<b>Hispanic Origin*</b>	1426	100.0	1191	83.5	173	12.1	20	1.4	39	2.7	2	0.1
Married	516	100.0	362	70.2	117	22.7	5	1.0	30	5.8	2	0.4
Single	910	100.0	829	91.1	56	6.2	15	1.6	9	1.0	0	0.0

PSOPRCMS

**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 Health Statistics Center



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

DELAWARE, 2010

Race-Origin/ Method	Source of Payment											
	Total		Medicaid		Private Insurance		Self Pay		Other Government		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>All Races</b>	11291	100.0	5482	100.0	5223	100.0	187	100.0	345	100.0	49	100.0
Vaginal	7460	66.1	3780	69.0	3275	62.7	149	79.7	227	65.8	26	53.1
C-section	3818	33.8	1701	31.0	1944	37.2	38	20.3	118	34.2	15	30.6
Unknown	13	0.1	1	0.0	4	0.1	0	0.0	0	0.0	8	16.3
<b>White</b>	7566	100.0	3270	100.0	3842	100.0	141	100.0	276	100.0	32	100.0
Vaginal	5060	66.9	2320	70.9	2423	63.1	117	83.0	179	64.9	18	56.3
C-section	2503	33.1	950	29.1	1417	36.9	24	17.0	97	35.1	13	40.6
Unknown	3	0.0	0	0.0	2	0.1	0	0.0	0	0.0	1	3.1
<b>Black</b>	3086	100.0	2019	100.0	969	100.0	32	100.0	53	100.0	13	100.0
Vaginal	1978	64.1	1332	66.0	586	60.5	21	65.6	33	62.3	6	46.2
C-section	1099	35.6	686	34.0	381	39.3	11	34.4	20	37.7	1	7.7
Unknown	9	0.3	1	0.0	2	0.2	0	0.0	0	0.0	6	46.2
<b>Other</b>	627	100.0	183	100.0	412	100.0	13	100.0	16	100.0	3	100.0
Vaginal	416	66.3	124	67.8	266	64.6	10	76.9	15	93.8	1	33.3
C-section	210	33.5	59	32.2	146	35.4	3	23.1	1	6.3	1	33.3
Unknown	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	1	33.3
<b>Hispanic Origin*</b>	1426	100.0	1191	100.0	173	100.0	20	100.0	39	100.0	2	100.0
Vaginal	1028	72.1	874	73.4	108	62.4	15	75.0	30	76.9	1	50.0
C-section	397	27.8	317	26.6	64	37.0	5	25.0	9	23.1	1	50.0
Unknown	1	0.1	0	0.0	1	0.6	0	0.0	0	0.0	0	0.0

PSOPRCMD

**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 Health Statistics Center

TABLE C-38  
NUMBER OF LIVE BIRTHS BY METHOD OF DELIVERY

DELAWARE, 2010

Method of Delivery	Number
<b>Total</b>	<b>11291</b>
<b>Vaginal</b>	<b>7460</b>
<b>C-Section</b>	<b>3818</b>
Primary C-Section	2202
Repeat C-Section	1616
<b>Unknown</b>	<b>13</b>

**Source:** METHOD1  
Delaware Health Statistics Center

TABLE C-39  
NUMBER AND PERCENT OF LIVE BIRTHS  
BY BIRTHWEIGHT IN GRAMS AND METHOD OF DELIVERY

DELAWARE, 2010

Birth weight	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	11291	100.0	7460	66.1	3818	33.8	13	0.1
<2500	1015	100.0	521	51.3	493	48.6	1	0.1
<1500	195	100.0	75	38.5	120	61.5	0	0.0
1500-2499	820	100.0	446	54.4	373	45.5	1	0.1
2500+	10272	100.0	6938	67.5	3324	32.4	10	0.1
Unknown	4	100.0	1	25.0	1	25.0	2	50.0

**Notes:** METHOD2  
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 Health Statistics Center

TABLE C-40  
NUMBER AND PERCENT OF LIVE BIRTHS  
BY AGE OF MOTHER AND METHOD OF DELIVERY

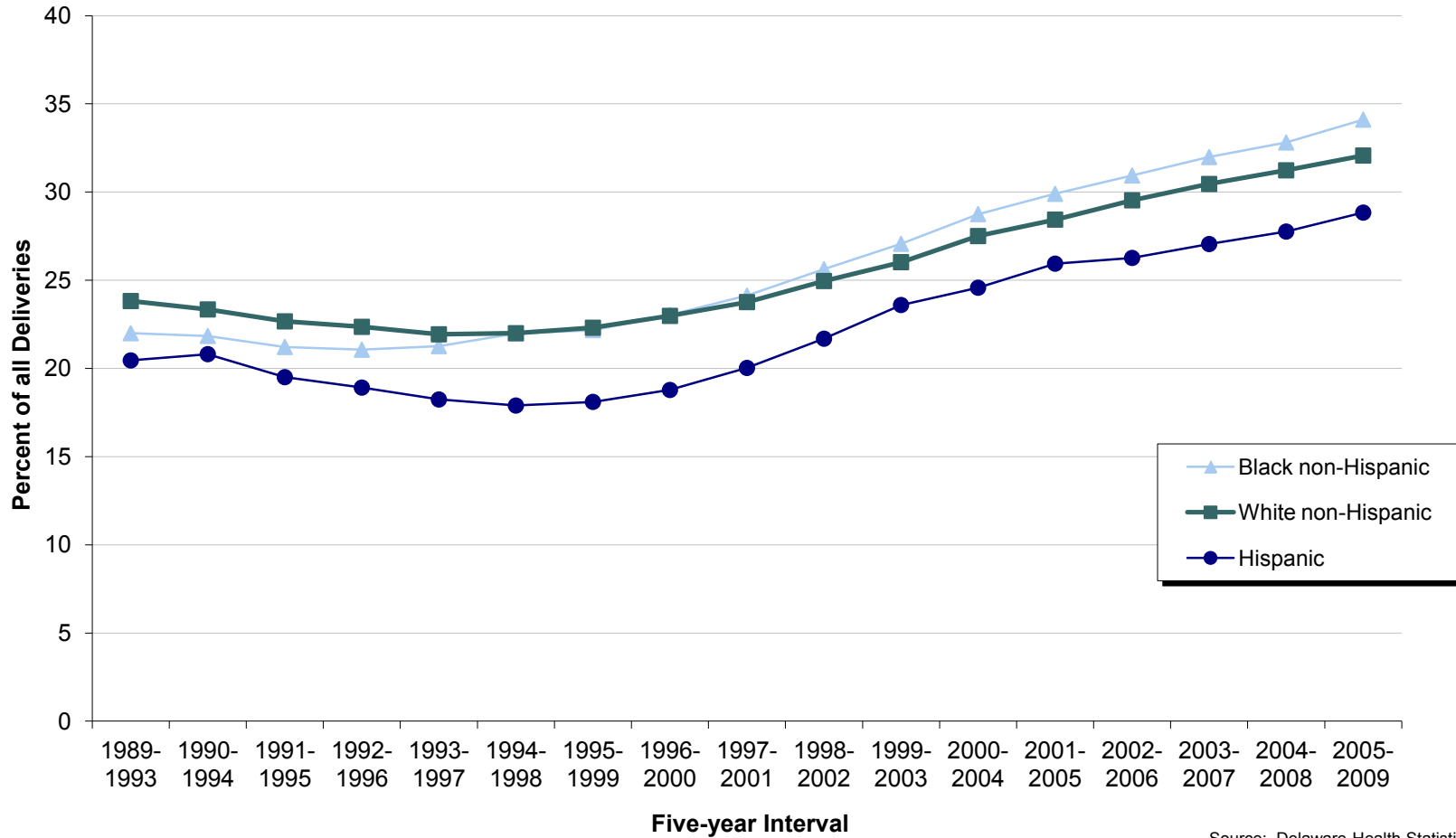
DELAWARE, 2010

Age	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	11291	100.0	7460	66.1	3818	33.8	13	0.1
<20	983	100.0	759	77.2	224	22.8	0	0.0
20-24	2707	100.0	1914	70.7	790	29.2	3	0.1
25-29	3293	100.0	2230	67.7	1060	32.2	3	0.1
30-34	2723	100.0	1696	62.3	1022	37.5	5	0.2
35+	1585	100.0	861	54.3	722	45.6	2	0.1
Unknown	0	...	0	...	0	...	0	...

**Notes:** METHOD3  
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 Health Statistics Center

**Figure C-15**  
**Five-year Percent Births by Cesarean Section Delivery by Race and Ethnicity**  
**Delaware, 1989-2010**



Source: Delaware Health Statistics Center

TABLE C-41  
NUMBER AND PERCENT OF LIVE BIRTHS FOR MOTHERS REPORTING TOBACCO USE DURING PREGNANCY  
BY RACE AND HISPANIC ORIGIN OF MOTHER

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Tobacco Use	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	11291	100.0	7566	100.0	3086	100.0	627	100.0	1426	100.0
Yes	1394	12.3	1007	13.3	363	11.8	23	3.7	43	3.0
No	9847	87.2	6529	86.3	2709	87.8	599	95.5	1381	96.8
Unknown	50	0.4	30	0.4	14	0.5	5	0.8	2	0.1
<b>Kent</b>	2228	100.0	1502	100.0	638	100.0	84	100.0	156	100.0
Yes	254	11.4	201	13.4	43	6.7	10	11.9	10	6.4
No	1973	88.6	1301	86.6	594	93.1	74	88.1	146	93.6
Unknown	1	0.0	0	0.0	1	0.2	0	0.0	0	0.0
<b>New Castle</b>	6780	100.0	4264	100.0	2019	100.0	493	100.0	760	100.0
Yes	797	11.8	535	12.5	253	12.5	9	1.8	22	2.9
No	5949	87.7	3713	87.1	1754	86.9	479	97.2	737	97.0
Unknown	34	0.5	16	0.4	12	0.6	5	1.0	1	0.1
Wilmington	1064	100.0	444	100.0	601	100.0	18	100.0	172	100.0
Yes	143	13.4	42	9.5	99	16.5	2	11.1	10	5.8
No	917	86.2	402	90.5	498	82.9	16	88.9	162	94.2
Unknown	4	0.4	0	0.0	4	0.7	0	0.0	0	0.0
Balance of NC County	5716	100.0	3820	100.0	1418	100.0	475	100.0	588	100.0
Yes	654	11.4	493	12.9	154	10.9	7	1.5	12	2.0
No	5032	88.0	3311	86.7	1256	88.6	463	97.5	575	97.8
Unknown	30	0.5	16	0.4	8	0.6	5	1.1	1	0.2
<b>Sussex</b>	2283	100.0	1800	100.0	429	100.0	50	100.0	510	100.0
Yes	343	15.0	271	15.1	67	15.6	4	8.0	11	2.2
No	1925	84.3	1515	84.2	361	84.1	46	92.0	498	97.6
Unknown	15	0.7	14	0.8	1	0.2	0	0.0	1	0.2

TOBALC3

**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 Health Statistics Center

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

DELAWARE, 2010

Age	Reported Tobacco Use							
	Total		Yes		No		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	11291	100.0	1394	12.3	9847	87.2	50	0.4
< 18	298	100.0	39	13.1	258	86.6	1	0.3
18-19	685	100.0	123	18.0	559	81.6	3	0.4
20-24	2707	100.0	455	16.8	2247	83.0	5	0.2
25-29	3293	100.0	416	12.6	2858	86.8	19	0.6
30-34	2723	100.0	229	8.4	2478	91.0	16	0.6
35 +	1585	100.0	132	8.3	1447	91.3	6	0.4
Unknown	0	...	0	...	0	...	0	...

TOBAGBW1

**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 Health Statistics Center

TABLE C-43  
NUMBER AND PERCENT OF LIVE BIRTHS BY BIRTHWEIGHT IN GRAMS  
AND MOTHER'S REPORTED USE OF TOBACCO DURING PREGNANCY

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Birth Weight	Reported Tobacco Use							
	Total		Yes		No		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	11291	100.0	1394	100.0	9847	100.0	50	100.0
<2500	1015	9.0	205	14.7	803	8.2	7	14.0
2500+	10272	91.0	1189	85.3	9042	91.8	41	82.0
Unknown	4	0.0	0	0.0	2	0.0	2	4.0
<b>Kent</b>	2228	100.0	254	100.0	1973	100.0	1	100.0
<2500	189	8.5	34	13.4	155	7.9	0	0.0
2500+	2038	91.5	220	86.6	1817	92.1	1	100.0
Unknown	1	0.0	0	0.0	1	0.1	0	0.0
<b>New Castle</b>	6780	100.0	797	100.0	5949	100.0	34	100.0
<2500	626	9.2	124	15.6	496	8.3	6	17.6
2500+	6151	90.7	673	84.4	5452	91.6	26	76.5
Unknown	3	0.0	0	0.0	1	0.0	2	5.9
Wilmington	1064	100.0	143	100.0	917	100.0	4	100.0
<2500	134	12.6	26	18.2	108	11.8	0	0.0
2500+	930	87.4	117	81.8	809	88.2	4	100.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
Balance of NC County	5716	100.0	654	100.0	5032	100.0	30	100.0
<2500	492	8.6	98	15.0	388	7.7	6	20.0
2500+	5221	91.3	556	85.0	4643	92.3	22	73.3
Unknown	3	0.1	0	0.0	1	0.0	2	6.7
<b>Sussex</b>	2283	100.0	343	100.0	1925	100.0	15	100.0
<2500	200	8.8	47	13.7	152	7.9	1	6.7
2500+	2083	91.2	296	86.3	1773	92.1	14	93.3
Unknown	0	0.0	0	0.0	0	0.0	0	0.0

TOBAGBW2

**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 Health Statistics Center

TABLE C-44  
 PERCENTAGE OF LIVE BIRTHS FOR MOTHERS REPORTING TOBACCO USE DURING PREGNANCY  
 BY RACE AND HISPANIC ORIGIN

U.S. AND DELAWARE, 1996-2010

Year/ Area	Race			Hispanic Origin*
	All Races	White	Black	
<b>2010</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	12.3	13.3	11.8	3.0
<b>2009</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	13.4	14.5	12.8	3.4
<b>2008</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	12.4	13.3	12.3	3.2
<b>2007</b>				
U.S.	10.4	N/A	N/A	2.1
Delaware	12.8	14.0	12.6	3.4
<b>2006</b>				
U.S.	13.2	N/A	N/A	2.8
Delaware	9.4	10.1	8.5	2.8
<b>2005</b>				
U.S.	12.4	N/A	N/A	2.7
Delaware	11.6	12.7	10.3	3.3
<b>2004</b>				
U.S.	16.3	N/A	N/A	5.7
Delaware	11.8	12.4	11.8	2.9
<b>2003</b>				
U.S.	10.7	11.6	8.1	2.7
Delaware	11.3	12.6	10.2	3.0
<b>2002</b>				
U.S.	11.4	12.3	8.7	3.0
Delaware	12.9	13.9	12.0	4.0
<b>2001</b>				
U.S.	12.0	13.0	9.0	3.2
Delaware	13.2	14.1	12.4	4.1
<b>2000</b>				
U.S.	12.2	13.2	9.1	3.5
Delaware	13.1	13.7	13.1	5.6
<b>1999</b>				
U.S.	12.6	13.6	9.3	3.7
Delaware	12.7	13.7	11.3	4.5
<b>1998</b>				
U.S.	12.9	14.0	9.5	4.0
Delaware	14.9	16.2	12.6	6.9
<b>1997</b>				
U.S.	13.2	14.3	9.7	4.1
Delaware	14.2	15.2	12.1	4.9
<b>1996</b>				
U.S.	13.6	14.7	10.2	4.3
Delaware	13.9	14.8	12.1	3.9

**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 Health Statistics Center

TOBPCT

TABLE C-45  
NUMBER AND PERCENT OF LIVE BIRTHS BY DAY OF THE WEEK  
DELAWARE, 2010

Day	Number	Percent
Sunday	1056	9.4
Monday	1850	16.4
Tuesday	1961	17.4
Wednesday	1788	15.8
Thursday	1696	15.0
Friday	1802	16.0
Saturday	1138	10.1
Total	11291	100.0

DAYMONB1

**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 Health Statistics Center

TABLE C-46  
NUMBER AND PERCENT OF LIVE BIRTHS BY MONTH  
DELAWARE, 2010

Month	Number	Percent
January	912	8.1
February	879	7.8
March	924	8.2
April	948	8.4
May	932	8.3
June	943	8.4
July	994	8.8
August	988	8.8
September	1003	8.9
October	922	8.2
November	924	8.2
December	922	8.2
Total	11291	100.0

DAYMONB2

**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 Health Statistics Center

TABLE C-47  
 MOST POPULAR BIRTH NAMES BY SEX OF CHILD

DELAWARE, 2009-2010

**Males**

Rank	2009	
	Name	Number
1	Jayden	63
2	Michael	62
3	Alexander	59
4	Matthew	57
5	William	55
6	Ethan	54
7	James	51
8	Joshua	50
8	Logan	50
10	Aiden	49
10	Anthony	49
10	Christian	49
13	Chase	46
13	Christopher	46
13	Daniel	46

Rank	2010	
	Name	Number
1	Michael	65
2	William	62
3	Anthony	56
4	Alexander	53
4	James	53
4	Mason	53
7	Logan	51
8	Gavin	48
8	Jacob	48
8	Joshua	48
11	Aiden	46
11	Elijah	46
11	Jayden	46
14	Andrew	45
14	Cameron	45

**Females**

Rank	2009	
	Name	Number
1	Isabella	69
2	Olivia	56
2	Sophia	56
4	Ava	48
5	Emma	46
6	Abigail	44
7	Madison	38
8	Emily	35
9	Samantha	32
10	Makayla	31
11	Alexis	29
12	Elizabeth	28
13	Alyssa	27
13	Kayla	27
15	Grace	26

Rank	2010	
	Name	Number
1	Isabella	67
2	Sophia	66
3	Ava	60
4	Olivia	43
5	Emily	42
6	Abigail	39
7	Natalie	34
8	Madison	33
9	Mia	31
9	Samantha	31
10	Emma	30
11	Alexis	29
11	Leah	29
11	Riley	29
15	Chloe	28

NAMESGEN

**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 Health Statistics Center



TABLE C-48  
RANKING OF PERCENTAGE OF LOW BIRTHWEIGHT (<2500 GRAMS)

U.S., 50 STATES AND DISTRICT OF COLUMBIA, 2010

State	Low Birthweight	
	Rate	Rank
Alabama	10.3	3
Alaska	5.7	51
Arizona	7.1	35
Arkansas	8.8	13
California	6.8	42
Colorado	8.8	13
Connecticut	8.0	30
<b>Delaware</b>	8.9	12
District of Columbia	10.2	4
Florida	8.7	16
Georgia	9.7	6
Hawaii	8.4	19
Idaho	6.8	42
Illinois	8.3	23
Indiana	8.0	30
Iowa	7.0	38
Kansas	7.1	35
Kentucky	9.0	9
Louisiana	10.7	2
Maine	6.3	47
Maryland	8.8	13
Massachusetts	7.7	32
Michigan	8.4	19
Minnesota	6.4	46
Mississippi	12.1	1
Missouri	8.2	26
Montana	7.5	34
Nebraska	7.1	35
Nevada	8.3	23
New Hampshire	6.9	41
New Jersey	8.2	26
New Mexico	8.7	16
New York	8.2	26
North Carolina	9.1	8
North Dakota	6.7	45
Ohio	8.6	18
Oklahoma	8.4	19
Oregon	6.3	47
Pennsylvania	8.3	23
Rhode Island	7.7	32
South Carolina	9.9	5
South Dakota	6.8	42
Tennessee	9.0	9
Texas	8.4	19
Utah	7.0	38
Vermont	6.1	50
Virginia	8.2	26
Washington	6.3	47
West Virginia	9.2	7
Wisconsin	7.0	38
Wyoming	9.0	9
United States	8.1	

Sources:  
Delaware Health Statistics Center  
National Center for Health Statistics

NatLBW%

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, 2010

State	Cesarean Deliveries		Single Mothers	
	Rate	Rank	Rate	Rank
Alabama	35.5	6	41.9	19
Alaska	22.6	51	37.6	33
Arizona	27.2	44	44.9	11
Arkansas	35.1	9	45.3	9
California	33.0	23	40.5	27
Colorado	25.9	47	23.9	50
Connecticut	35.2	8	37.4	35
Delaware	33.9	19	47.4	7
District of Columbia	33.1	20	54.8	1
Florida	37.8	3	47.5	6
Georgia	34.0	18	45.8	8
Hawaii	27.4	42	37.8	31
Idaho	24.8	48	26.5	49
Illinois	31.2	27	40.5	27
Indiana	30.3	33	43.0	16
Iowa	30.3	33	34.2	42
Kansas	30.5	31	37.8	31
Kentucky	35.4	7	41.2	25
Louisiana	39.7	1	53.3	3
Maine	29.9	36	41.2	25
Maryland	34.5	15	41.9	19
Massachusetts	33.1	20	34.7	41
Michigan	32.6	24	41.8	21
Minnesota	27.3	43	33.2	45
Mississippi	37.2	4	54.8	1
Missouri	31.9	25	40.2	29
Montana	30.3	33	36.4	37
Nebraska	31.1	28	33.6	44
Nevada	34.8	12	44.3	12
New Hampshire	30.4	32	33.2	45
New Jersey	38.8	2	35.4	40
New Mexico	22.8	50	52.3	4
New York	34.7	13	41.7	23
North Carolina	31.0	29	42.0	18
North Dakota	27.7	40	32.7	48
Ohio	30.8	30	43.8	15
Oklahoma	34.7	13	41.8	21
Oregon	29.4	38	35.7	38
Pennsylvania	31.4	26	41.5	24
Rhode Island	33.1	20	45.0	10
South Carolina	35.0	11	47.6	5
South Dakota	26.6	45	37.6	33
Tennessee	34.2	17	44.1	13
Texas	35.1	9	42.4	17
Utah	23.1	49	19.2	51
Vermont	27.5	41	39.2	30
Virginia	34.5	15	35.5	39
Washington	29.5	37	33.0	47
West Virginia	36.3	5	43.9	14
Wisconsin	26.0	46	36.7	36
Wyoming	27.9	39	34.0	43
United States	32.8		40.8	

Sources:  
Delaware Health Statistics Center  
National Center for Health Statistics

CSSState

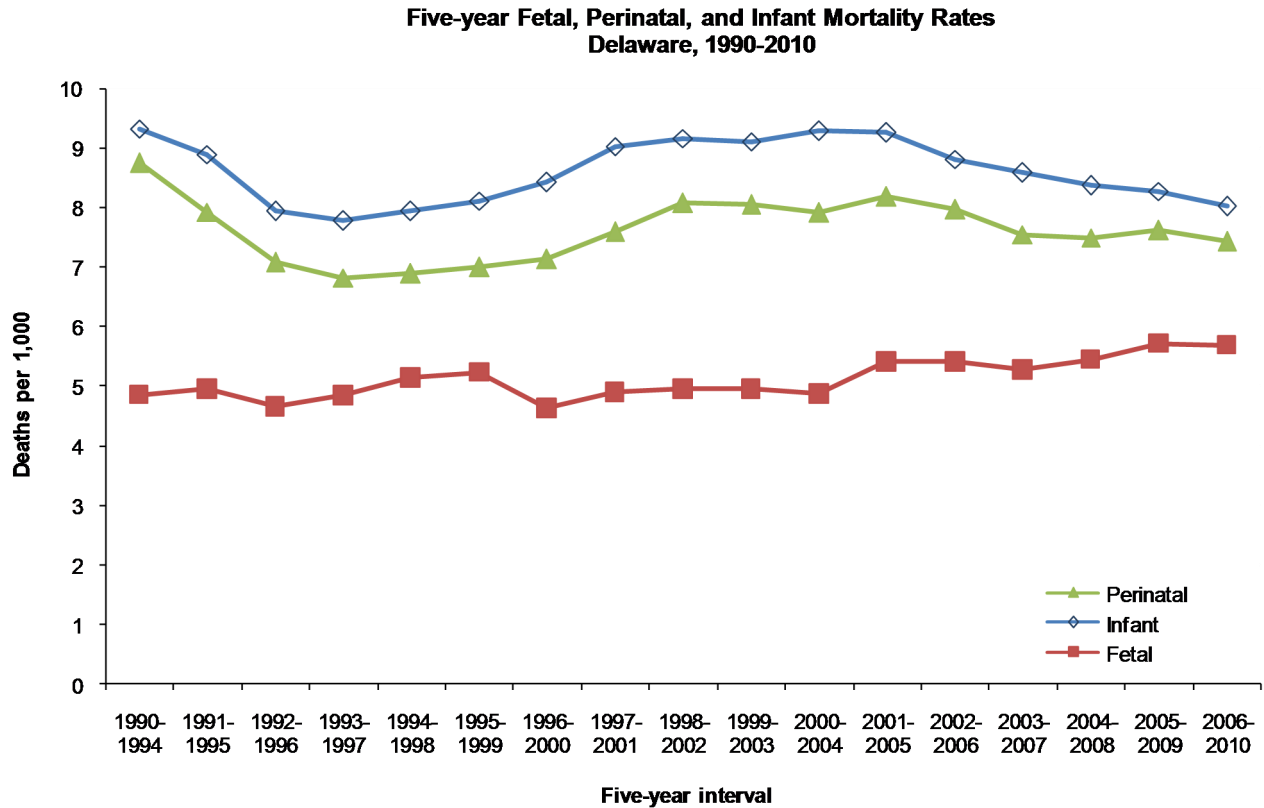
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# Fetal & Perinatal Deaths

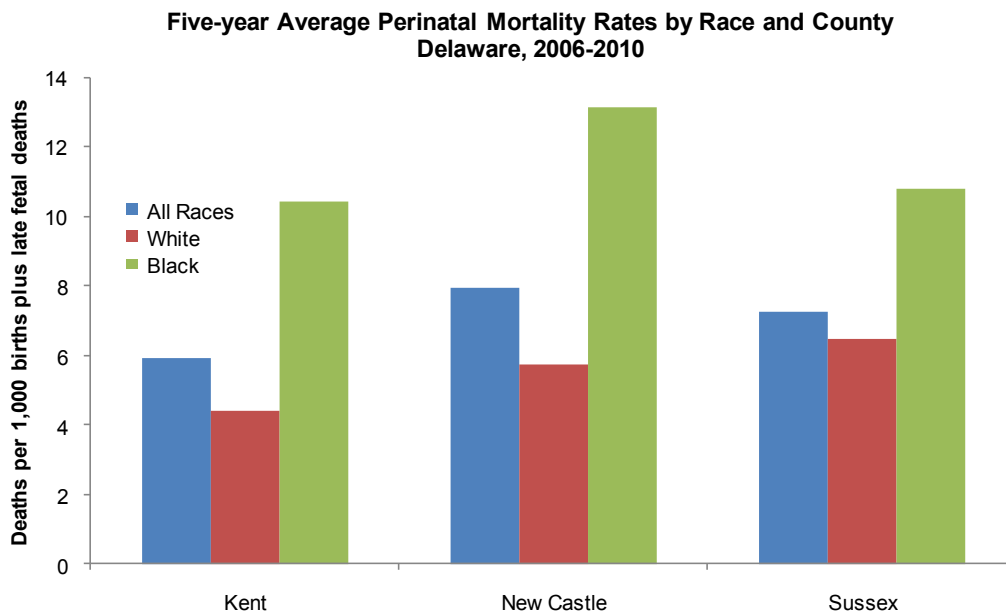
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## FETAL AND PERINATAL DEATHS

Perinatal mortality refers to deaths occurring in the period around delivery, and includes late fetal deaths (>28 weeks gestation) and early infant deaths (<7 days of age). Perinatal mortality trends paralleled those of infant mortality, decreasing from 1990-1994 to their lowest level in 1993-1997, and then increasing through 2001-2005, after which they began a gradual decrease through 2006-2010.



Like infant mortality rates, perinatal mortality rates for black women were substantially higher than the perinatal mortality rates for white women, regardless of county. In Kent and New Castle Counties, the perinatal mortality rate for black women was more than double that of white women.



## FETAL AND PERINATAL DEATHS

In 2010, there were 62 reported fetal deaths in Delaware. In 2006-2010, the fetal mortality rate was 5.7 fetal deaths per 1,000 live births and fetal deaths. Fetal mortality rates for black women have been consistently higher than the rates for white women, and in 2006-2010 they were 83 percent higher than the rate of white women (8.6 versus 4.7).

**Five-year Average Fetal Mortality Rates by Mother's Race  
Delaware, 1990-2010**

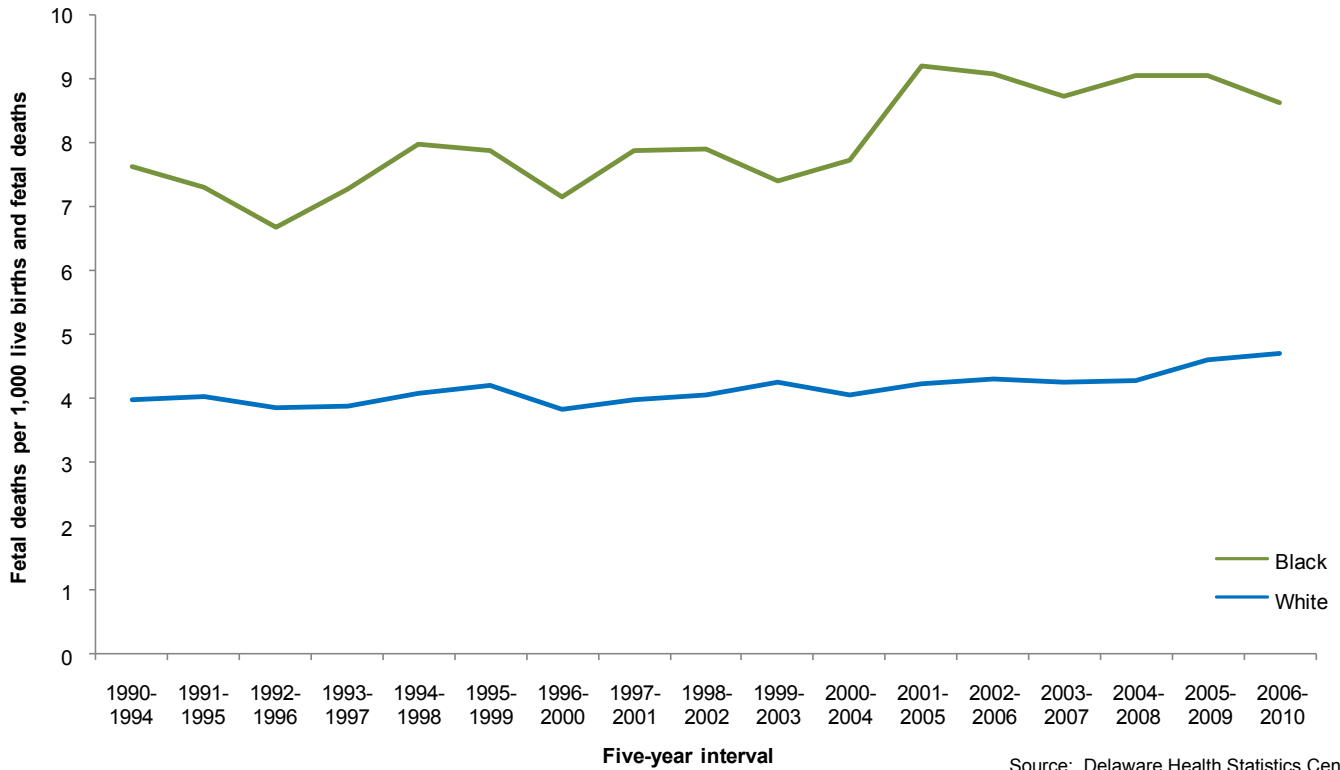


TABLE D-1  
NUMBER OF FETAL DEATHS BY RACE, HISPANIC ORIGIN, AND AGE OF WOMAN

DELAWARE AND COUNTIES, 2010

Area/ Age	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Delaware</b>	62	33	27	2	8
<20	7	4	3	0	0
20-24	18	6	12	0	1
25-34	32	20	10	2	7
35+	5	3	2	0	0
Unknown	0	0	0	0	0
<b>Kent</b>	9	7	2	0	2
<20	0	0	0	0	0
20-24	1	0	1	0	0
25-34	6	5	1	0	2
35+	2	2	0	0	0
Unknown	0	0	0	0	0
<b>New Castle</b>	42	18	22	2	3
<20	5	2	3	0	0
20-24	15	5	10	0	1
25-34	19	10	7	2	2
35+	3	1	2	0	0
Unknown	0	0	0	0	0
<b>Sussex</b>	11	8	3	0	3
<20	2	2	0	0	0
20-24	2	1	1	0	0
25-34	7	5	2	0	3
35+	0	0	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.

PRAGERACECTY

**Source:**

Delaware Health Statistics Center

TABLE D-2  
NUMBER FETAL DEATHS BY RACE, HISPANIC ORIGIN, AND EDUCATION OF WOMAN  
DELAWARE, 2010

Education	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Total</b>	62	33	27	2	8
<9	4	3	1	0	2
9 to 11	6	2	4	0	1
H.S. Grad	30	13	15	2	2
1 to 3 College	12	8	4	0	1
4+ College	2	1	1	0	0
Unknown	8	6	2	0	2

PEDURACE

**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 Health Statistics Center

TABLE D-3  
NUMBER OF FETAL DEATHS BY RACE, HISPANIC ORIGIN, AND MARITAL STATUS OF WOMAN  
DELAWARE AND COUNTIES, 2010

Area/ Marital Status	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Delaware</b>	62	33	27	2	8
Married	22	13	7	2	2
Single	40	20	20	0	6
<b>Kent</b>	9	7	2	0	2
Married	4	3	1	0	0
Single	5	4	1	0	2
<b>New Castle</b>	42	18	22	2	3
Married	15	8	5	2	1
Single	27	10	17	0	2
<b>Sussex</b>	11	8	3	0	3
Married	3	2	1	0	1
Single	8	6	2	0	2

PRMARIT

**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 Health Statistics Center



TABLE D-4  
 NUMBER OF FETAL DEATHS BY WEIGHT OF FETUS IN GRAMS AND RACE OF WOMAN

DELAWARE AND COUNTIES, 2010

Area/ Weight	Race			
	All Races	White	Black	Other
<b>Delaware</b>	<b>62</b>	<b>33</b>	<b>27</b>	<b>2</b>
<500	17	7	9	1
500-749	6	5	1	0
750-999	5	3	2	0
1000-1499	10	5	5	0
1500-1999	7	4	3	0
2000-2499	5	3	2	0
2500+	12	6	5	1
Unknown	0	0	0	0
<b>Kent</b>	<b>9</b>	<b>7</b>	<b>2</b>	<b>0</b>
<500	0	0	0	0
500-749	2	2	0	0
750-999	0	0	0	0
1000-1499	2	1	1	0
1500-1999	3	2	1	0
2000-2499	0	0	0	0
2500+	2	2	0	0
Unknown	0	0	0	0
<b>New Castle</b>	<b>42</b>	<b>18</b>	<b>22</b>	<b>2</b>
<500	15	7	7	1
500-749	3	2	1	0
750-999	4	2	2	0
1000-1499	7	3	4	0
1500-1999	1	0	1	0
2000-2499	3	1	2	0
2500+	9	3	5	1
Unknown	0	0	0	0
<b>Sussex</b>	<b>11</b>	<b>8</b>	<b>3</b>	<b>0</b>
<500	2	0	2	0
500-749	1	1	0	0
750-999	1	1	0	0
1000-1499	1	1	0	0
1500-1999	3	2	1	0
2000-2499	2	2	0	0
2500+	1	1	0	0
Unknown	0	0	0	0

FDWTRACE

**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 Health Statistics Center

TABLE D-5  
NUMBER OF FETAL DEATHS BY WEEKS OF GESTATION AND RACE OF WOMAN

DELAWARE AND COUNTIES, 2010

Area/ Age	Race			
	All Races	White	Black	Other
<b>Delaware</b>	62	33	27	2
<20 Weeks	3	1	2	0
20-24 Weeks	19	11	7	1
25-29 Weeks	10	5	5	0
30-34 Weeks	11	7	4	0
35-39 Weeks	14	7	6	1
40+ Weeks	4	2	2	0
Unknown	1	0	1	0
<b>Kent</b>	9	7	2	0
<20 Weeks	0	0	0	0
20-24 Weeks	2	2	0	0
25-29 Weeks	2	1	1	0
30-34 Weeks	2	2	0	0
35-39 Weeks	3	2	1	0
40+ Weeks	0	0	0	0
Unknown	0	0	0	0
<b>New Castle</b>	42	18	22	2
<20 Weeks	3	1	2	0
20-24 Weeks	15	9	5	1
25-29 Weeks	7	3	4	0
30-34 Weeks	5	1	4	0
35-39 Weeks	9	3	5	1
40+ Weeks	2	1	1	0
Unknown	1	0	1	0
<b>Sussex</b>	11	8	3	0
<20 Weeks	0	0	0	0
20-24 Weeks	2	0	2	0
25-29 Weeks	1	1	0	0
30-34 Weeks	4	4	0	0
35-39 Weeks	2	2	0	0
40+ Weeks	2	1	1	0
Unknown	0	0	0	0

FDGESRAC

**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 Health Statistics Center

TABLE D-6  
 FIVE-YEAR AVERAGE PERINATAL MORTALITY RATES BY RACE  
 DELAWARE AND COUNTIES, 1992-2010

Area/ Race	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>Delaware</b>															
All Races	7.9	7.1	6.8	6.9	7.1	7.6	8.1	8.1	7.9	8.2	8.0	7.5	7.5	7.6	7.4
White	6.3	5.7	5.5	5.6	5.6	5.8	6.2	6.3	6.3	6.2	6.2	6.0	5.9	5.7	5.6
Black	12.9	11.3	10.7	10.8	12.4	13.8	14.4	14.2	13.4	14.3	13.5	12.6	12.5	12.9	12.3
<b>Kent</b>															
All Races	7.5	7.7	6.7	7.3	7.5	7.3	8.9	8.7	8.2	8.7	8.0	5.8	6.0	6.3	5.9
White	6.4	6.4	4.8	5.6	6.0	6.2	8.1	7.8	7.3	6.9	5.9	3.6	3.8	3.7	4.4
Black	9.8	11.2	12.7	12.5	12.9	11.7	11.8	12.1	10.7	13.8	13.7	11.5	11.8	13.7	10.4
<b>New Castle</b>															
All Races	8.3	7.2	6.8	6.7	7.3	7.9	8.3	8.5	8.3	8.5	8.3	8.1	8.1	8.2	8.0
White	6.3	5.4	5.4	5.2	5.3	5.6	5.8	6.2	6.3	6.4	6.3	6.4	6.3	6.4	5.7
Black	14.5	13.1	11.1	11.2	13.7	15.3	16.3	15.9	14.9	15.0	14.1	13.4	13.2	12.7	13.1
<b>Sussex</b>															
All Races	7.1	5.9	7.0	7.3	6.3	6.6	6.4	5.9	6.2	6.6	6.9	7.3	7.0	7.0	7.3
White	6.2	6.2	6.8	7.2	6.1	5.7	5.5	5.1	5.3	5.2	6.1	6.9	6.4	5.7	6.5
Black	10.0	5.6	7.5	7.6	6.6	9.7	9.6	9.1	9.8	12.0	10.3	10.7	10.6	12.9	10.8

Peri\_race

**Note:**

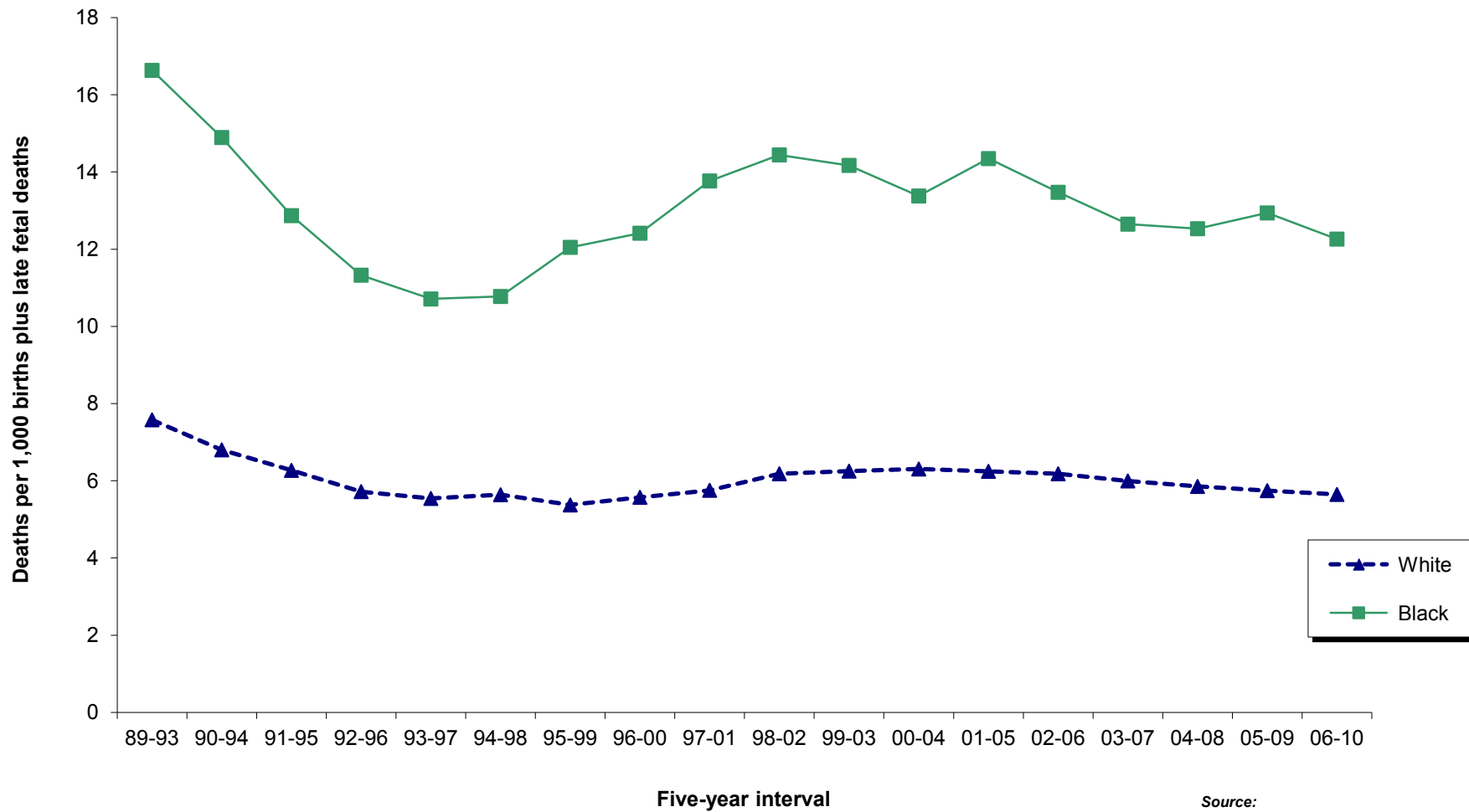
Perinatal mortality rate defined as: Infant deaths of less than 7 days and fetal deaths with gestation of 28 weeks or more, per 1,000 live births and specified fetal deaths.

**Source:**

Delaware Health Statistics Center

**Figure D-1**  
**Five-year Average Perinatal Mortality Rates by Race**

**Delaware, 1989-2010**



Source:  
 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 evenly spaced and create a textured, grid-like appearance.

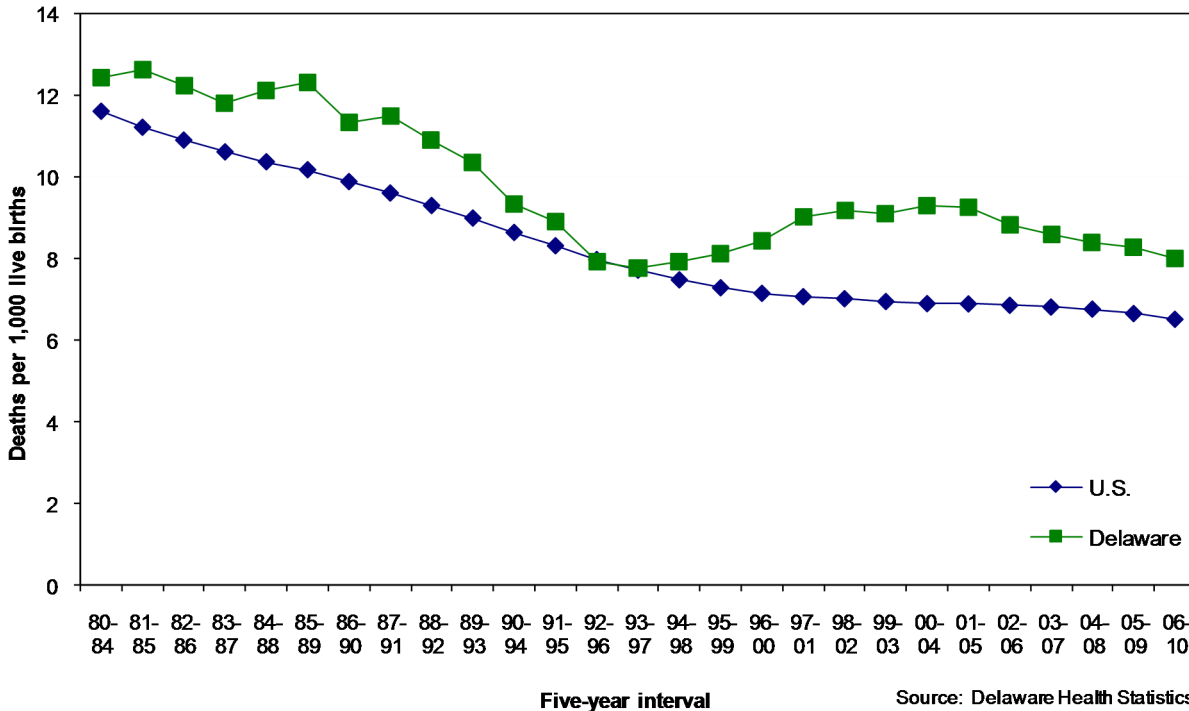
# Infant Mortality

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## INFANT MORTALITY

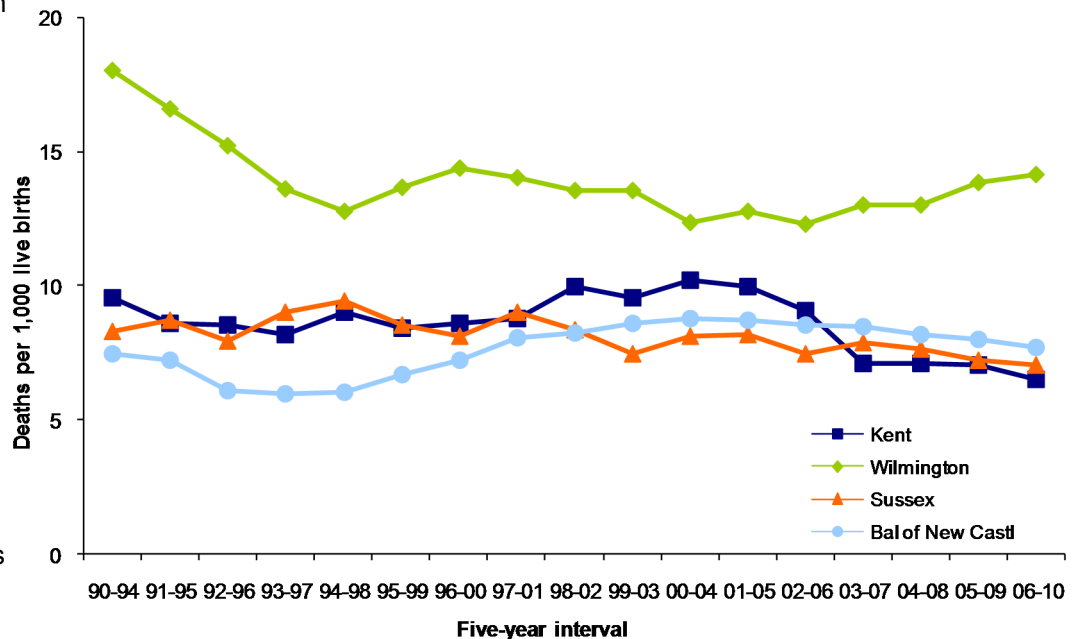
Between 2005-2009 and 2006-2010, Delaware's infant mortality rate (IMR) decreased to 8.0 infant deaths per 1,000 live births, resulting in a total decline of 13.7 percent from its 2000-2004 peak of 9.3 infant deaths per 1,000 live births. At 6.5, the U.S. rate remained significantly lower than the Delaware rate.

**Five-year Average Infant Mortality Rates  
Delaware and U.S., 1980-2010**



Though IMRs for each of the three counties decreased in 2006-2010, Wilmington's IMR increased for the second straight year. The combination of Wilmington's high IMR and a higher IMR in the balance of New Castle County, resulted in New Castle County's IMR being higher than the IMRs of both Sussex and Kent Counties. In 2006-2010, the balance of New Castle County's IMR was 7.7, Wilmington's IMR was 14.1, Kent County's IMR was 6.5, and Sussex County's IMR was 7.

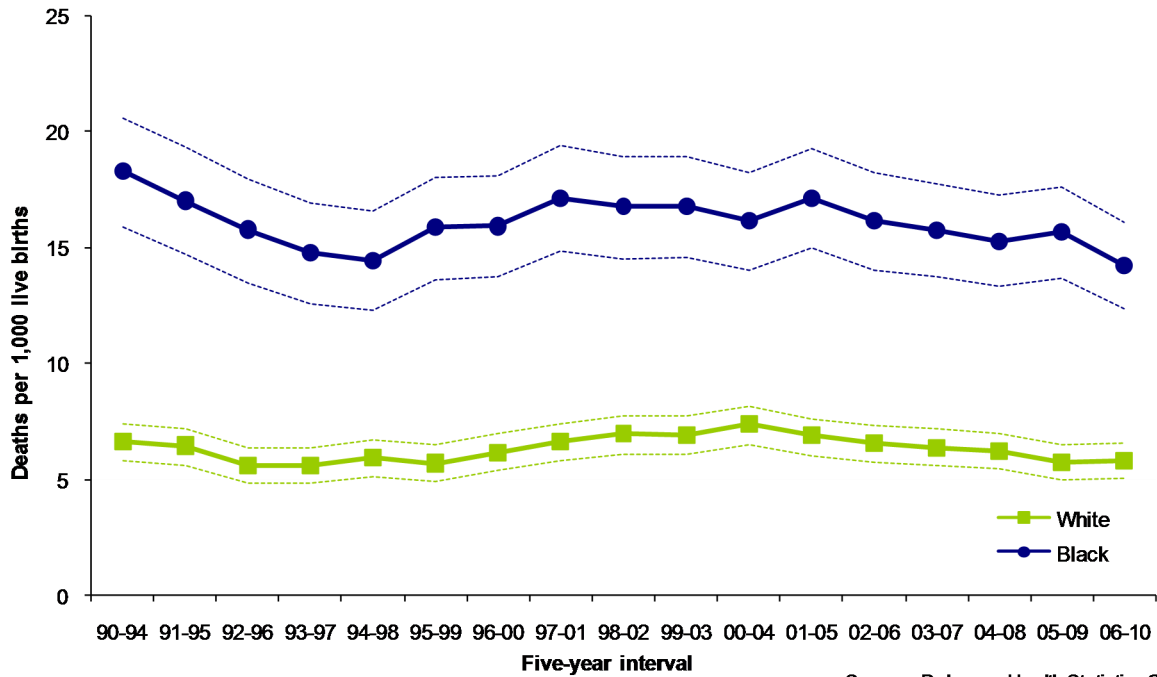
**Five-year Average Infant Mortality Rates  
Delaware Counties and City of Wilmington, Delaware, 1990-2010**



## INFANT MORTALITY

Black infants experienced significantly higher mortality rates than white infants, and from 1990-1994 to 2006-2010, black IMRs were anywhere from 2.2 to 2.8 times that of white IMRs.

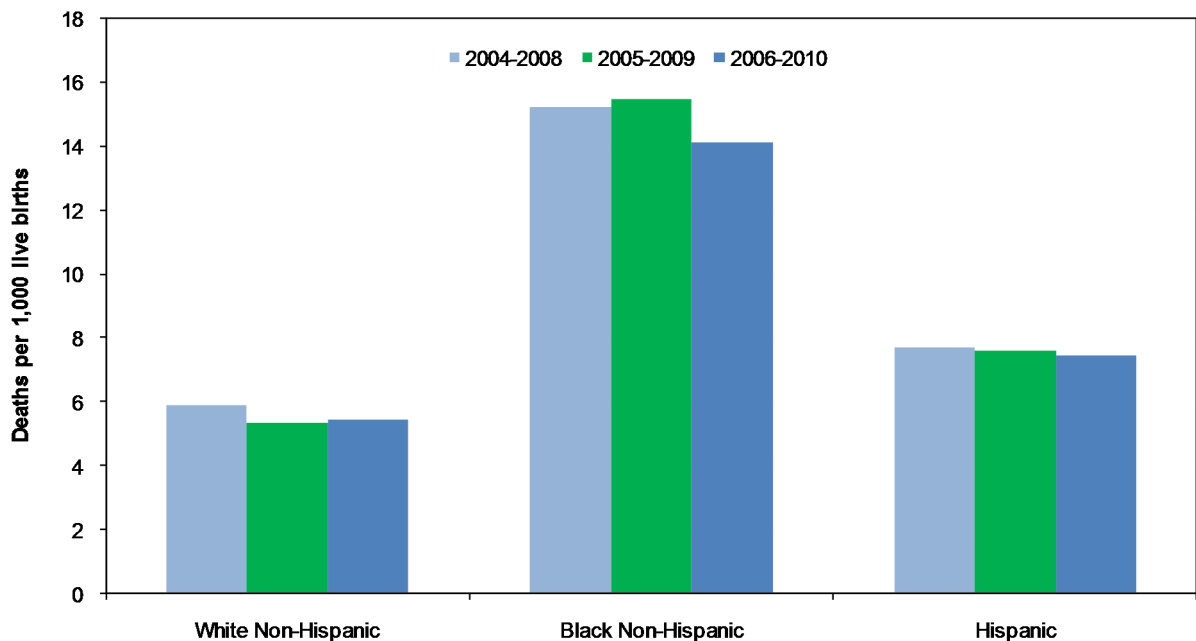
**Five-year Average Black and White Infant Mortality Rates with Confidence Intervals  
Delaware, 1990-2010**



Source: Delaware Health Statistics Center

Significant disparities existed between black non-Hispanics and each of the two other groups, white non-Hispanics and Hispanics. Black non-Hispanics had the highest IMRs in all three time periods, and their rate of 14.1 in 2006-2010 was more than double the white non-Hispanic rate of 5.4 and nearly twice the Hispanic rate of 7.4 infant deaths per 1,000 live births.

**Five-year Average Infant Mortality Rates by Race and Hispanic Origin  
Delaware, 2004-2010**



Source: Delaware Health Statistics Center



## INFANT MORTALITY

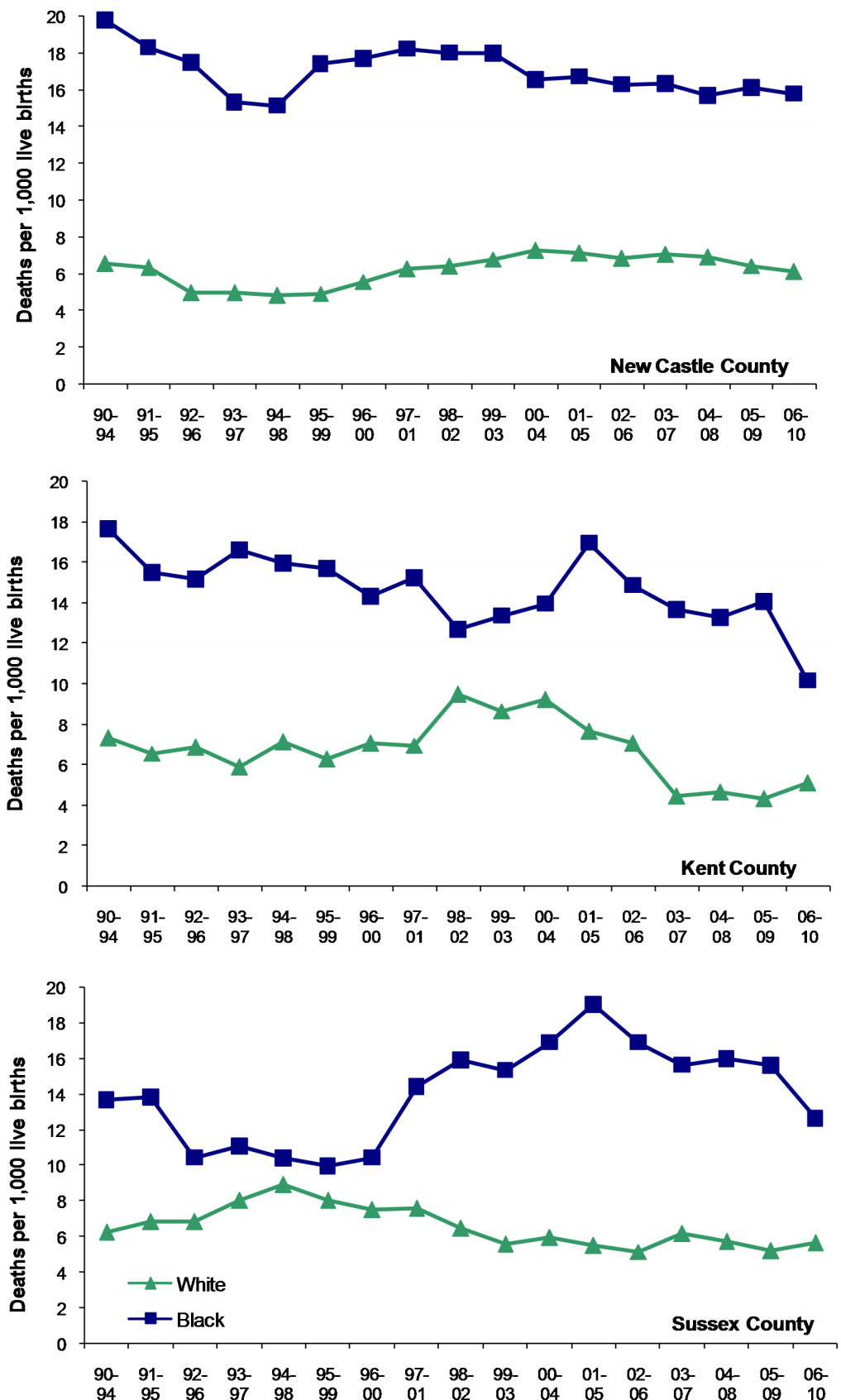
In 2006-2010, New Castle County had the highest IMRs and Kent County had the lowest.

Black IMRs in New Castle County have hovered around 16 since 2002-2006, and in 2006-2010 the black IMR was 15.8 infant deaths per 1,000 live births. White IMRs decreased for the third straight year to 6.1 in 2006-2010.

Black IMRs in Kent County peaked at 17 in 2001-2005; the recent drop in 2006-2010 resulted in a 40 percent reduction in black IMRs between 2001-2005 and 2006-2010. Despite increasing from their 2005-2009 rate, the white IMR in Kent County was 34 percent lower in 2006-2010 than in 2001-2005.

Sussex County's black IMR dropped to 12.6 in 2006-2010, its lowest rate since 1996-2000, and a 34 percent reduction from the 2001-2005 peak of 19. Sussex County's white IMR has fluctuated between 5 and 6 since 1999-2003, and in 2006-2010 the rate moved up to 5.4 infant deaths per 1,000 births.

**Five-year Average Infant Mortality Rates by Race and County Delaware, 1990-2010**



Source: Delaware Health Statistics Center

## INFANT MORTALITY- Leading Causes of Death

In 2006-2010 the five leading causes of infant death were:

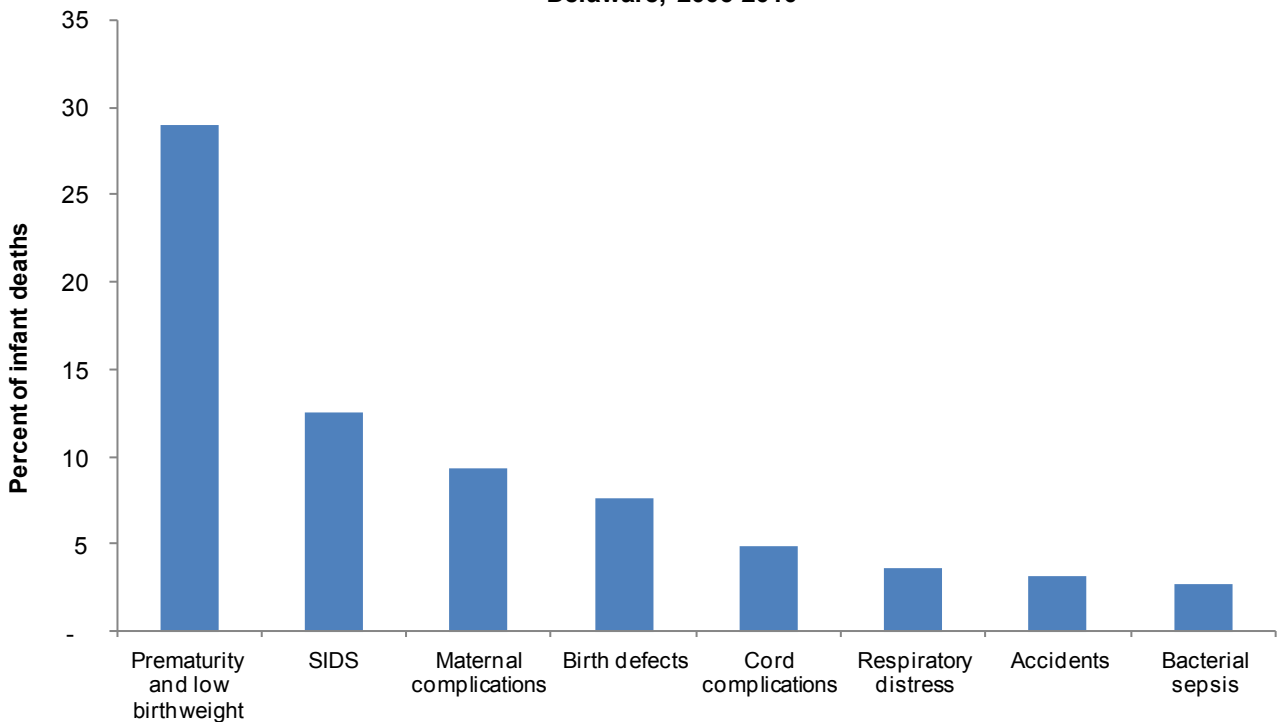
- Disorders related to short gestation and fetal malnutrition (prematurity and low birthweight), which accounted for 22.6 percent of infant deaths.
- Congenital anomalies (birth defects), which accounted for 14.9 percent of infant deaths.
- Sudden infant death syndrome (SIDS), which accounted for 10.4 percent.
- Newborn affected by maternal complications of pregnancy, which accounted for 8.9 percent of infant deaths. Of the 42 deaths attributed to this cause, 41 were due to the newborn being affected by incompetent cervix and premature rupture of membranes.
- Newborn affected by complications of placenta, cord, and membranes (4.9 percent).

In sum, the five most common causes of infant death accounted for 61.7 percent, or 290 of the 470 total infant deaths.

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

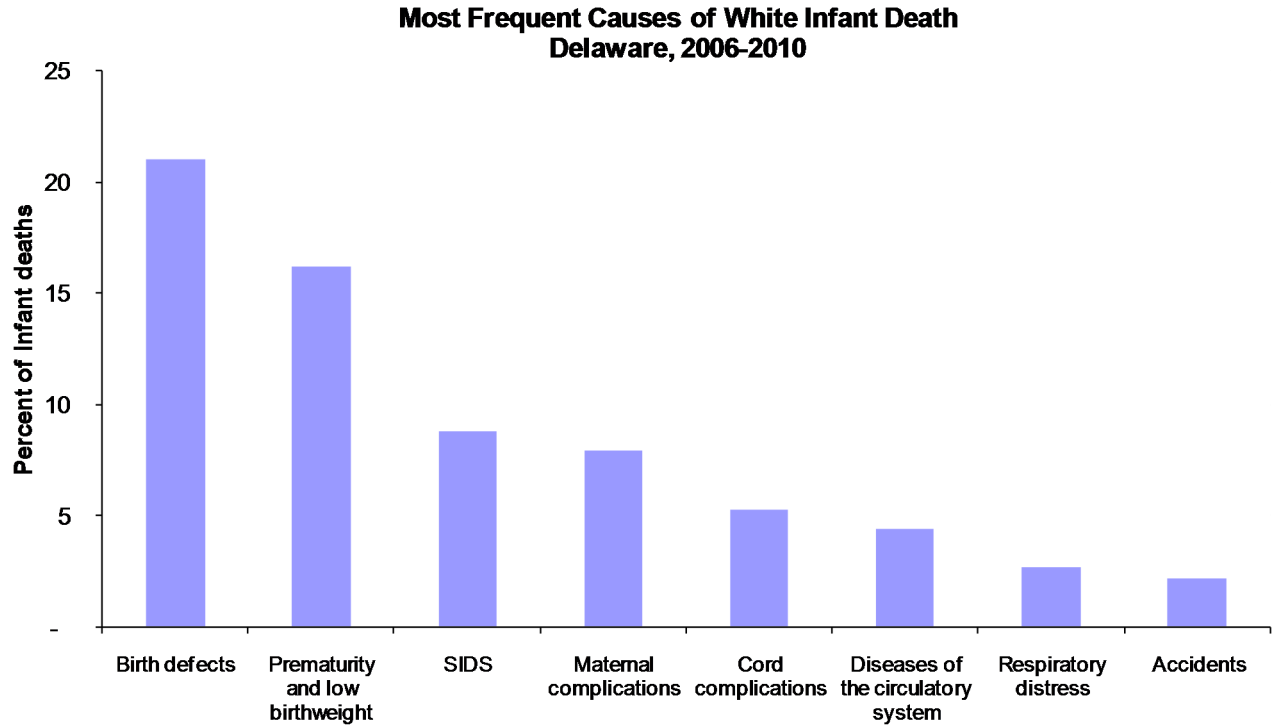
Though the proportions of deaths by race were similar for many of the causes of death, notable exceptions were birth defects, disorders due to prematurity and low birthweight, and SIDS. While birth defects were responsible for 21 percent of all white infant deaths, they accounted for only 7.6 percent of black infant deaths. Conversely, infant deaths due to disorders related to prematurity and low birthweight and SIDS accounted for larger percentages of black infant deaths than white infant deaths (29 versus 16 percent for prematurity and low birthweight, and 12.5 versus 8.8 percent for SIDS).

**Most Frequent Causes of Black Infant Death  
Delaware, 2006-2010**



Source: Delaware Health Statistics Center

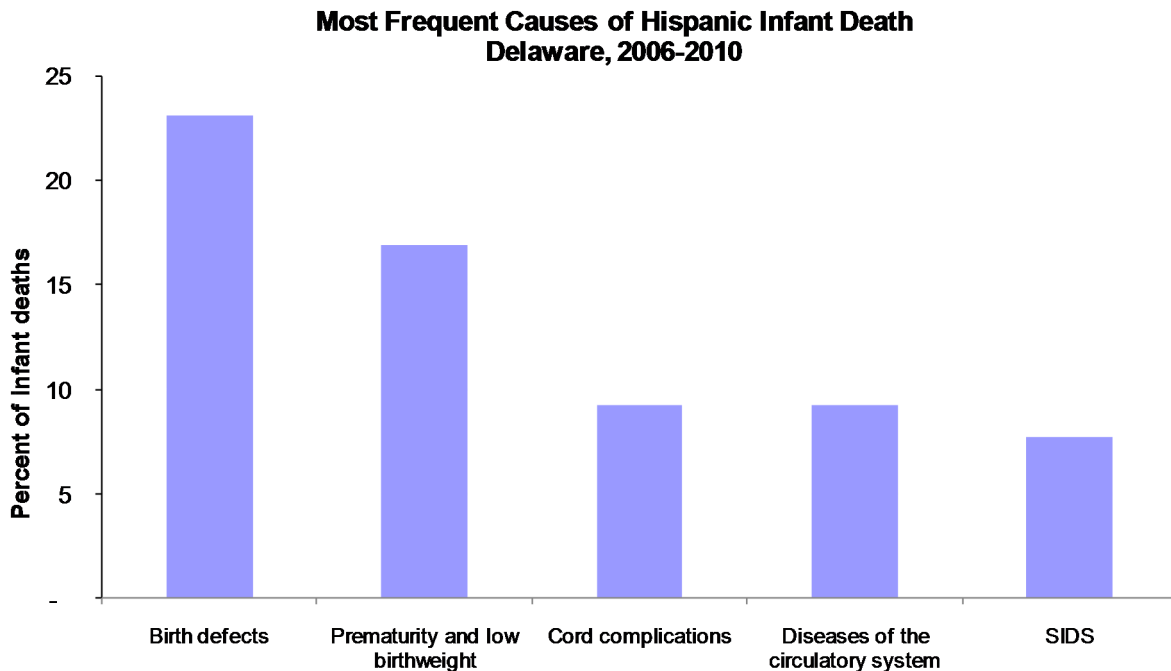
**INFANT MORTALITY- Leading Causes of Death**



Source: Delaware Health Statistics Center

In 1989-1993, Hispanics accounted for 3.6 percent of all live births and 3.4 percent of infant deaths; since that time the proportion of births to Hispanic mothers has quadrupled. In the most recent five-year period, 2006-2010, 14.9 percent of all live births were to Hispanic mothers, and 13.8 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.



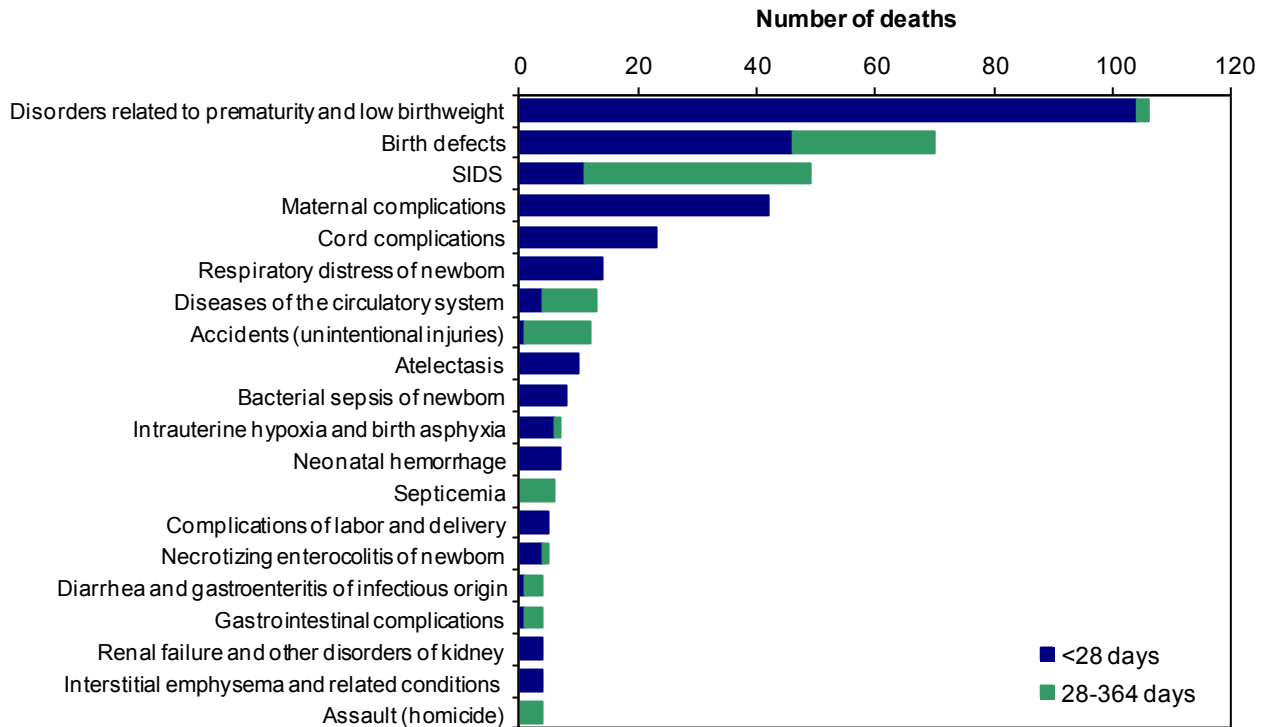
Source: Delaware Health Statistics Center

## INFANT MORTALITY - Leading Causes of Death

Approximately 92 percent of all infant deaths occurred within the first six months of life, 70 percent of all infant deaths occurred within the first 28 days of life, and 42 percent occurred within 24 hours of birth.

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

**Most Frequent Causes of Infant Death  
Delaware, 2006-2010**



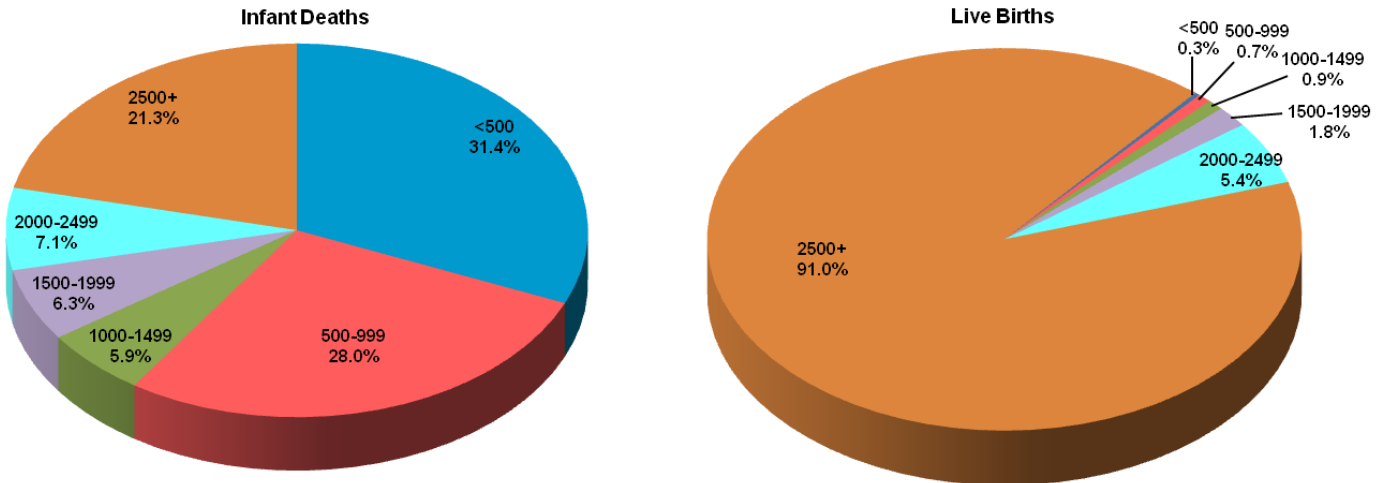
Source: Delaware Health Statistics Center

- Prematurity and low birthweight accounted for the greatest number of infant deaths in 2006-2010; all but two of these deaths occurred in the neonatal period.
- Sudden infant death syndrome (SIDS) was the only one of the top five causes of death that had the majority of deaths occurring in the postneonatal period, with a mean age at death of 103 days. Though fewer infants died in 2006-2010 compared to 2005-2009, more infants died due to SIDS, moving it up to the third leading cause of infant death in 2006-2010.
  - ⇒ 37 percent (18 out of 49) of the SIDS deaths were associated with co-sleeping and/or sleeping on soft surfaces, such as couches and adult beds.
- During that same time period there were 22 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, 8.5 percent of all infant deaths in 2006-2010 were associated with co-sleeping and/or unsafe sleep practices.

## INFANT MORTALITY - Live Birth Cohort

Though only 1 percent of all live births in 2005-2009 were infants weighing less than 1000 grams, they accounted for over half (59 percent) of all infant deaths. In total, 9 percent of all live births in 2005-2009 were infants of low birthweight (under 2500 grams) and 78 percent of infant deaths were low birthweight.

**Distribution by Birthweight, Delaware Live Birth Cohort, 2005-2009**

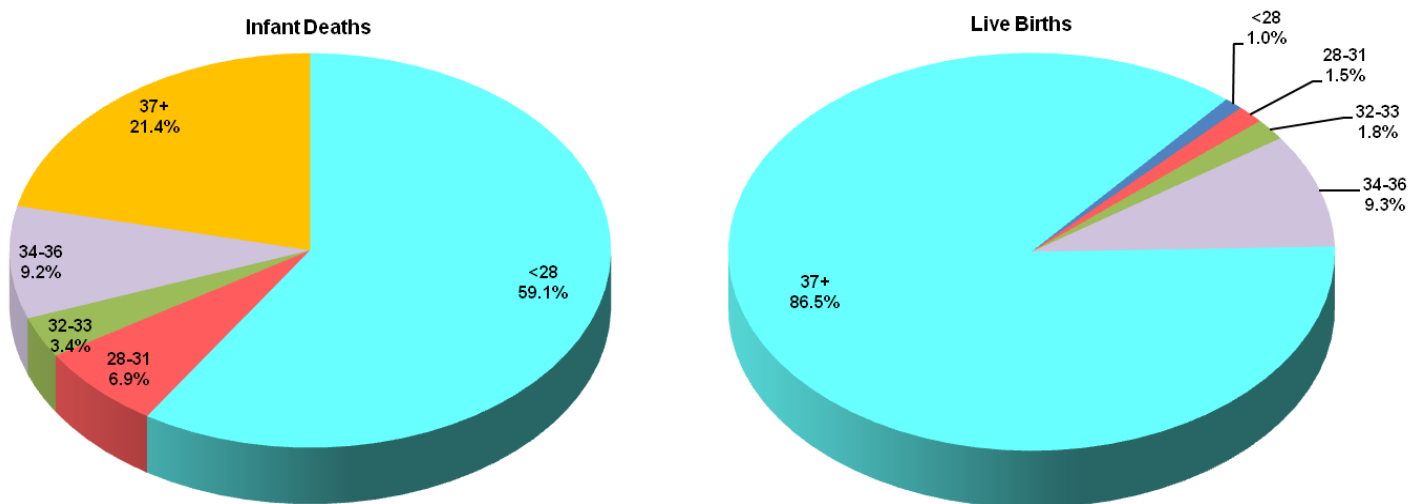


Source: Delaware Health Statistics Center

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 2005-2009 were less than 28 weeks gestation at birth, but they accounted for 59 percent of all infant deaths. In total, 14 percent of all live births in 2005-2009 were born preterm (<37 weeks of gestation) and 78 percent of infant deaths were born preterm.

**Distribution by Gestation, Delaware Live Birth Cohort, 2005-2009**



Source: Delaware Health Statistics Center

## INFANT MORTALITY - Live Birth Cohort

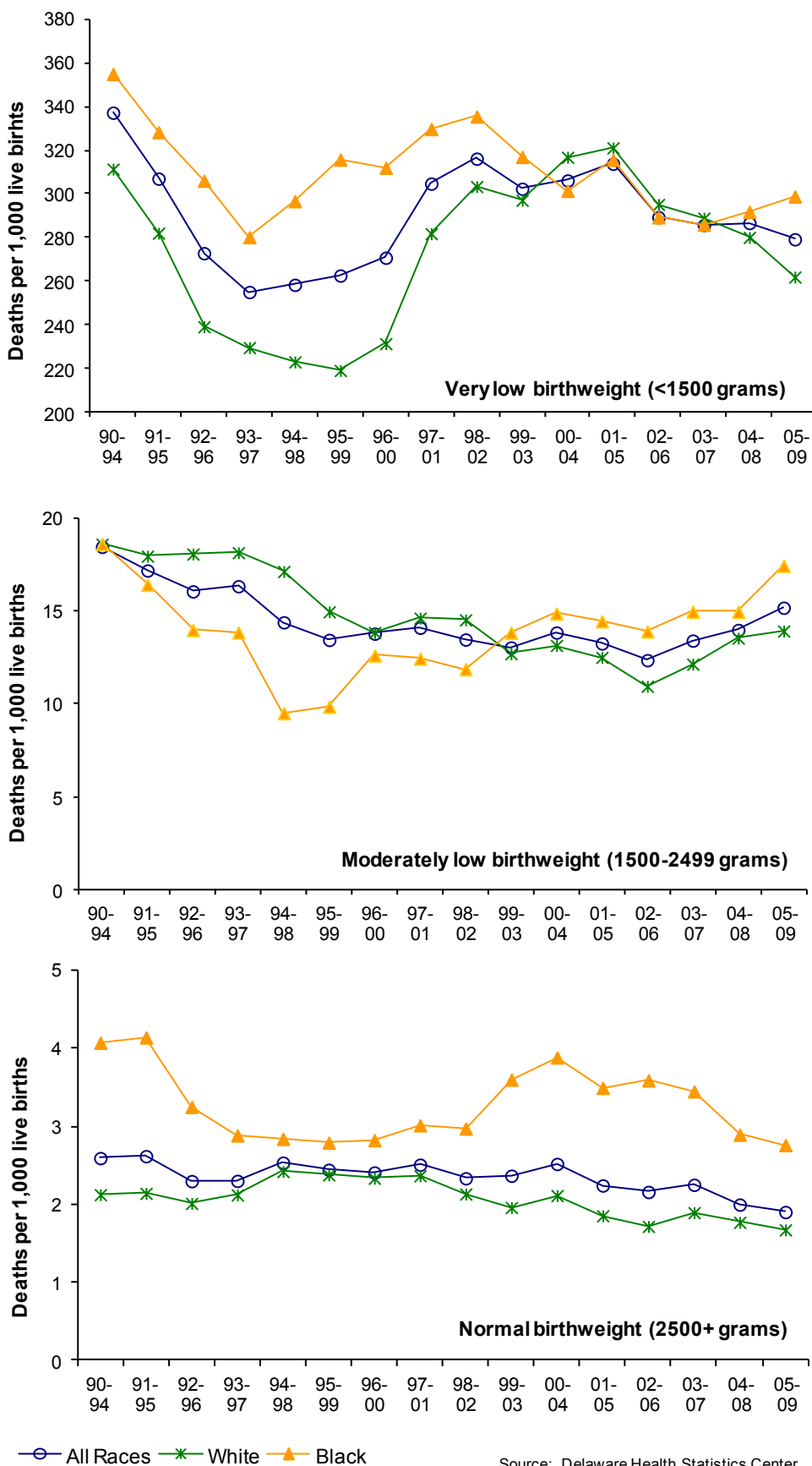
Birthweight and gestation are considered to be the most important predictors of infant health and mortality risk. Infants born too small or too early have a much greater risk of mortality than those who reach a normal birthweight (2500+ grams) or full-term gestation (37+ weeks).

The IMR for very low birthweight (VLBW) black infants increased for the second year, while the IMR for VLBW white infants decreased for the fourth straight year. In 2005-2009, IMRs for white and black VLBW infants were 262 and 299 infant deaths per 1,000 live births.

IMRs for moderately LBW infants of all races rose nearly 10 percent between 2000-2004 and 2005-2009; during that time, black IMRs increased 17 percent to 17.5, and white IMRs increased 6 percent to 13.9 infant deaths per 1,000 live births.

IMRs for normal birthweight infants have been trending down since 2000-2004. During that time, white IMRs decreased 21 percent and black IMRs decreased 29 percent. In 2005-2009, the black IMR for normal birthweight infants was 2.8, versus 1.7 for white infant of normal birthweight.

Five-year Average Infant Mortality Rate by Birthweight and Race Delaware, 1990-2009 Live Birth Cohort

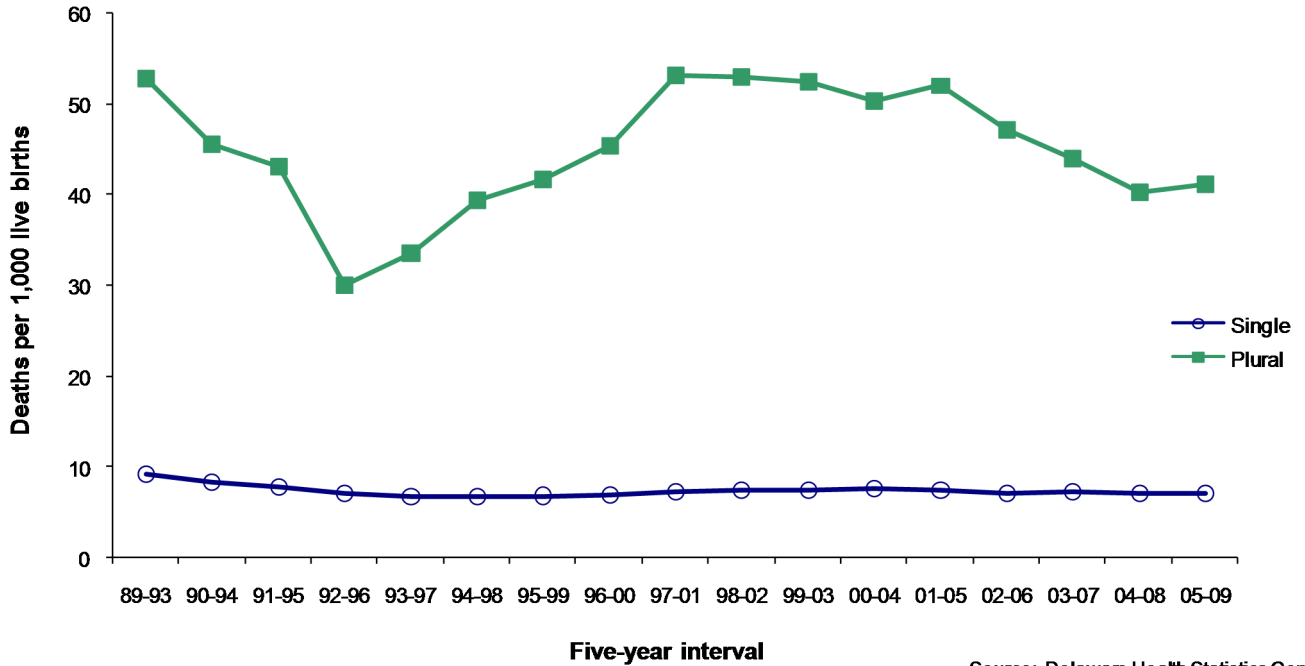


Source: Delaware Health Statistics Center

## INFANT MORTALITY - Live Birth Cohort

From 1992-1996 to 1997-2001, IMRs for plural births increased 77 percent, to 53.1 deaths per 1000 live births; during the same time, IMRs for singleton births increased by 4 percent. Since then, plural IMRs have decreased 23 percent, with the majority of the decrease occurring in the most recent time period. IMRs for singleton births experienced a slight decrease of 4 percent. In 2005-2009, the infant mortality rate for plural births was 5.9 times that of singleton births (41 versus 7).

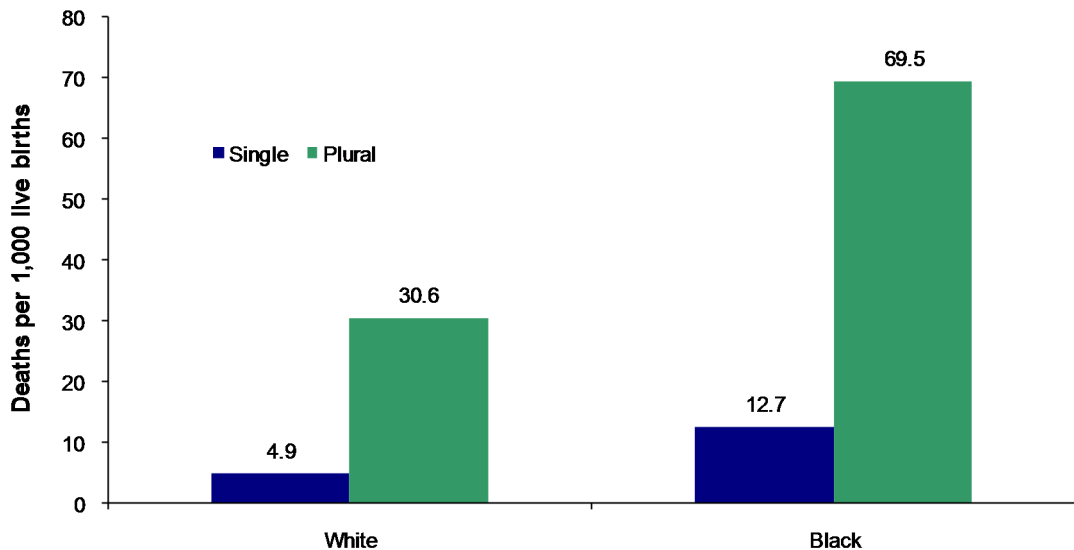
**Five-year Average Infant Mortality Rates by Plurality  
Delaware Live Birth Cohort, 1989-2009**



Source: Delaware Health Statistics Center

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

**Five-year Average Infant Mortality Rates by Plurality and Race  
Delaware Live Birth Cohort, 2005-2009**



Source: Delaware Health Statistics Center

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TABLE E-1  
NUMBER OF INFANT DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1993-2010

Area/ Race	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>U.S.</b>																		
All Races	33466	31710	29583	28237	28045	28371	27937	28035	27568	28034	28025	27936	28440	28527	29138	28059	26412	24548*
White	21497	20504	19490	18749	18539	18561	18067	18144	17955	18369	18440	18231	18514	18403	18807	18164	16817	15933*
Black	10887	10072	9118	8490	8496	8726	8822	8771	8498	8524	8402	8494	8695	8858	8944	8543	8312	7388*
Other	1082	1134	975	998	1010	1084	1048	1120	1115	1141	1183	1211	1231	1266	1387	1352	1283	1227*
<b>Delaware</b>																		
All Races	94	70	79	77	81	103	81	102	114	96	107	97	106	99	91	101	91	88
White	44	40	46	43	42	54	31	65	60	57	53	51	48	50	52	49	30	47
Black	50	27	32	32	36	49	49	37	53	35	53	44	55	44	38	52	54	36
Other	0	3	1	2	3	0	1	0	1	4	1	2	3	5	1	0	7	5
<b>Kent</b>																		
All Races	11	15	18	17	14	18	10	21	19	27	16	17	21	13	9	18	18	15
White	5	10	10	11	4	13	4	16	10	22	8	8	6	7	4	10	6	12
Black	6	5	7	6	10	5	6	5	9	5	8	8	14	5	4	8	12	3
Other	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
<b>New Castle</b>																		
All Races	68	37	45	48	48	65	61	67	72	55	78	60	68	68	60	70	57	58
White	32	20	24	21	26	27	22	40	37	30	37	33	35	31	33	32	18	24
Black	36	15	21	26	20	38	38	27	35	22	40	27	31	35	27	38	34	30
Other	0	2	0	1	2	0	1	0	0	3	1	0	2	2	0	0	5	4
Wilmington																		
All Races	24	15	11	19	14	18	20	16	17	12	18	12	18	16	17	19	18	18
White	4	3	2	1	4	2	4	4	2	2	4	4	3	2	3	7	0	4
Black	20	11	9	18	10	16	16	12	15	10	14	8	15	14	14	12	16	13
Other	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Balance of NC County																		
All Races	44	22	34	29	34	47	41	51	55	43	60	48	50	52	43	51	39	40
White	28	17	22	20	22	25	18	36	35	28	33	29	32	29	30	25	18	20
Black	16	4	12	8	10	22	22	15	20	12	26	19	16	21	13	26	18	17
Other	0	1	0	1	2	0	1	0	0	3	1	0	2	2	0	0	3	3
<b>Sussex</b>																		
All Races	15	18	16	12	19	20	10	14	23	14	13	20	17	18	22	13	16	15
White	7	10	12	11	12	14	5	9	13	5	8	10	7	12	15	7	6	11
Black	8	7	4	0	6	6	5	5	9	8	5	9	10	4	7	6	8	3
Other	0	1	0	1	1	0	0	0	1	1	0	1	0	2	0	0	2	1

**Notes:**

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

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

INFANT1

TABLE E-2  
NUMBER OF NEONATAL DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1993-2010

Area/ Race	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>U.S.</b>																		
All Races	21174	20250	19155	18326	18524	18918	18728	18776	18265	18749	18893	18593	18770	18989	19058	18211	17255	16167*
White	13506	13100	12644	12252	12269	12406	12164	12201	12013	12354	12495	12238	12239	12302	12333	11843	11054	10603*
Black	7044	6499	5940	5483	5637	5824	5920	5843	5585	5646	5640	5495	5740	5876	5842	5523	5374	4760*
Other	624	651	571	591	618	688	644	732	667	749	758	860	791	811	883	845	827	804*
<b>Delaware</b>																		
All Races	69	48	47	53	55	74	58	71	82	79	75	63	79	72	65	68	66	58
White	33	28	26	28	26	33	21	45	44	48	36	33	36	36	37	32	19	27
Black	36	18	20	24	27	41	37	26	37	28	38	28	40	33	28	36	40	26
Other	0	2	1	1	2	0	0	0	1	3	1	2	3	3	0	0	7	5
<b>Kent</b>																		
All Races	6	7	10	13	10	9	8	15	15	22	8	11	14	7	6	12	14	11
White	2	3	6	7	1	6	3	11	10	18	3	5	3	4	3	7	4	9
Black	4	4	3	6	9	3	5	4	5	4	5	5	10	3	3	5	10	2
Other	0	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<b>New Castle</b>																		
All Races	56	28	26	33	33	47	44	50	54	47	56	39	54	52	43	48	42	36
White	27	17	12	14	19	15	14	29	27	26	27	21	28	22	23	20	13	9
Black	29	9	14	18	13	32	30	21	27	19	28	18	24	28	20	28	24	23
Other	0	2	0	1	1	0	0	0	0	2	1	0	2	2	0	0	5	4
Wilmington																		
All Races	17	10	6	14	6	12	14	13	14	9	10	9	15	12	10	10	14	10
White	2	3	0	1	3	1	2	4	1	1	1	3	3	1	1	3	0	0
Black	15	6	6	13	3	11	12	9	13	8	9	6	12	11	9	7	12	9
Other	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Balance of NC County																		
All Races	39	18	20	19	27	35	30	37	40	38	46	30	39	40	33	38	28	26
White	25	14	12	13	16	14	12	25	26	25	26	18	25	21	22	17	13	9
Black	14	3	8	5	10	21	18	12	14	11	19	12	12	17	11	21	12	14
Other	0	1	0	1	1	0	0	0	0	2	1	0	2	2	0	0	3	3
<b>Sussex</b>																		
All Races	7	13	11	7	12	18	6	6	13	10	11	13	11	13	16	8	10	11
White	4	8	8	7	6	12	4	5	7	4	6	7	5	10	11	5	2	9
Black	3	5	3	0	5	6	2	1	5	5	5	5	6	2	5	3	6	1
Other	0	0	0	0	1	0	0	0	1	1	0	1	0	1	0	0	2	1

**Notes:**

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

**Sources:**

National Center for Health Statistics

INFANT2

TABLE E-3  
NUMBER OF POSTNEONATAL DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1993-2010

Area/ Race	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>U.S.</b>																		
All Races	12292	11460	10428	9911	9521	9453	9209	9259	9303	9285	9132	9343	9670	9538	10080	9848	9157	8381*
White	7991	7404	6846	6497	6270	6155	5903	5943	5942	6015	5945	5993	6275	6101	6474	6321	5763	5330*
Black	3843	3573	3178	3007	2859	2902	2902	2928	2913	2878	2762	2999	2955	2982	3102	3020	2938	2628*
Other	458	483	404	407	392	396	404	388	448	392	425	351	440	455	504	507	456	423*
<b>Delaware</b>																		
All Races	25	22	32	24	26	29	23	31	32	17	32	34	27	27	26	33	25	30
White	11	12	20	15	16	21	10	20	16	9	17	18	12	14	15	17	11	20
Black	14	9	12	8	9	8	12	11	16	7	15	16	15	11	10	16	14	10
Other	0	1	0	1	1	0	1	0	0	1	0	0	0	2	1	0	0	0
<b>Kent</b>																		
All Races	5	8	8	4	4	9	2	6	4	5	8	6	7	6	3	6	4	4
White	3	7	4	4	3	7	1	5	0	4	5	3	3	3	1	3	2	3
Black	2	1	4	0	1	2	1	1	4	1	3	3	4	2	1	3	2	1
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
<b>New Castle</b>																		
All Races	12	9	19	15	15	18	17	17	18	8	22	21	14	16	17	22	15	22
White	5	3	12	7	7	12	8	11	10	4	10	12	7	9	10	12	5	15
Black	7	6	7	8	7	6	8	6	8	3	12	9	7	7	7	10	10	7
Other	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0
Wilmington																		
All Races	7	5	5	5	8	6	6	3	3	3	8	3	3	4	7	9	4	8
White	2	0	2	0	1	1	2	0	1	1	3	1	0	1	2	4	0	4
Black	5	5	3	5	7	5	4	3	2	2	5	2	3	3	5	5	4	4
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County																		
All Races	5	4	14	10	7	12	11	14	15	5	14	18	11	12	10	13	11	14
White	3	3	10	7	6	11	6	11	9	3	7	11	7	8	8	8	5	11
Black	2	1	4	3	0	1	4	3	6	1	7	7	4	4	2	5	6	3
Other	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0
<b>Sussex</b>																		
All Races	8	5	5	5	7	2	4	8	10	4	2	7	6	5	6	5	6	4
White	3	2	4	4	6	2	1	4	6	1	2	3	2	2	4	2	4	2
Black	5	2	1	0	1	0	3	4	4	3	0	4	4	2	2	3	2	2
Other	0	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0

**Notes:**

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

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

INFANT3

TABLE E- 4  
 FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE  
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1990-2010

Area/ Race	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>																	
All Races	8.6	8.3	8.0	7.7	7.5	7.3	7.1	7.0	7.0	6.9	6.9	6.9	6.8	6.8	6.7	6.7	6.5
White	7.0	6.8	6.5	6.4	6.2	6.0	5.9	5.8	5.8	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5
Black	17.0	16.4	15.8	15.3	14.8	14.6	14.4	14.2	14.3	14.2	14.0	14.0	13.8	13.6	13.3	13.1	12.7
<b>Delaware</b>																	
All Races	9.3	8.9	7.9	7.8	7.9	8.1+	8.4+	9.0+	9.2+	9.1+	9.3+	9.3+	8.8+	8.6+	8.4+	8.3+	8.0+
White	6.6	6.4	5.6-	5.6	5.9	5.7	6.2	6.6	6.9+	6.9+	7.3+	6.9+	6.5+	6.4	6.2	5.7	5.8
Black	18.2	17.0	15.8	14.7	14.4	15.8	15.9	17.1+	16.7+	16.7+	16.1	17.1+	16.1+	15.7+	15.3	15.6+	14.2
<b>Kent</b>																	
All Races	9.5	8.6	8.6	8.2	9.0	8.4	8.6	8.7	9.9	9.5	10.2	10.0	9.1	7.1	7.1	7.1	6.5
White	7.3	6.5	6.8	5.8	7.1	6.3	7.0	6.9	9.5	8.6	9.2	7.6	7.0	4.4	4.6	4.3	5.1
Black	17.6	15.5	15.2	16.6	15.9	15.7	14.3	15.2	12.7	13.4	13.9	17.0	14.9	13.6	13.2	14.0	10.2
<b>New Castle</b>																	
All Races	9.5	9.0	7.8	7.3	7.3	7.9	8.5	9.1	9.2	9.5	9.4	9.4	9.2	9.2	9.0	9.0	8.8
White	6.5	6.3	5.0	4.9	4.8	4.9	5.6	6.2	6.4	6.8	7.3	7.1	6.8	7.0	6.9	6.4	6.1
Black	19.8	18.3	17.5	15.3	15.1	17.4	17.7	18.2	18.0	18.0	16.5	16.7	16.3	16.3	15.7	16.1	15.8
Wilmington																	
All Races	18.0	16.6	15.2	13.6	12.8	13.7	14.4	14.0	13.5	13.5	12.4	12.8	12.3	13.0	13.0	13.8	14.1
White	9.7	10.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	22.7	20.4	20.5	17.8	16.8	18.0	18.7	18.0	17.9	17.6	15.9	17.0	16.3	17.3	16.3	18.0	18.0
Balance of NC County																	
All Races	7.5	7.2	6.1	5.9	6.0	6.7	7.2	8.1	8.3	8.6	8.8	8.7	8.5	8.5	8.2	8.0	7.7
White	6.2	5.9	4.8	4.8	4.7	4.8	5.4	6.1	6.4	6.8	7.3	7.2	6.9	7.0	6.8	6.4	6.0
Black	16.3	16.0	14.4	12.9	13.6	16.8	16.8	18.5	18.1	18.2	17.0	16.6	16.3	15.8	15.3	14.9	14.5
<b>Sussex</b>																	
All Races	8.3	8.7	7.9	9.0	9.5	8.5	8.1	9.0	8.3	7.4	8.1	8.2	7.5	7.9	7.6	7.2	7.0
White	6.2	6.8	6.8	8.0	8.9	8.0	7.5	7.6	6.5	5.5	5.9	5.5	5.1	6.2	5.7	5.2	5.6
Black	13.7	13.8	10.4	11.1	10.4	9.9	10.4	14.4	15.9	15.4	16.9	19.0	16.9	15.7	16.0	15.6	12.6

**Notes:**

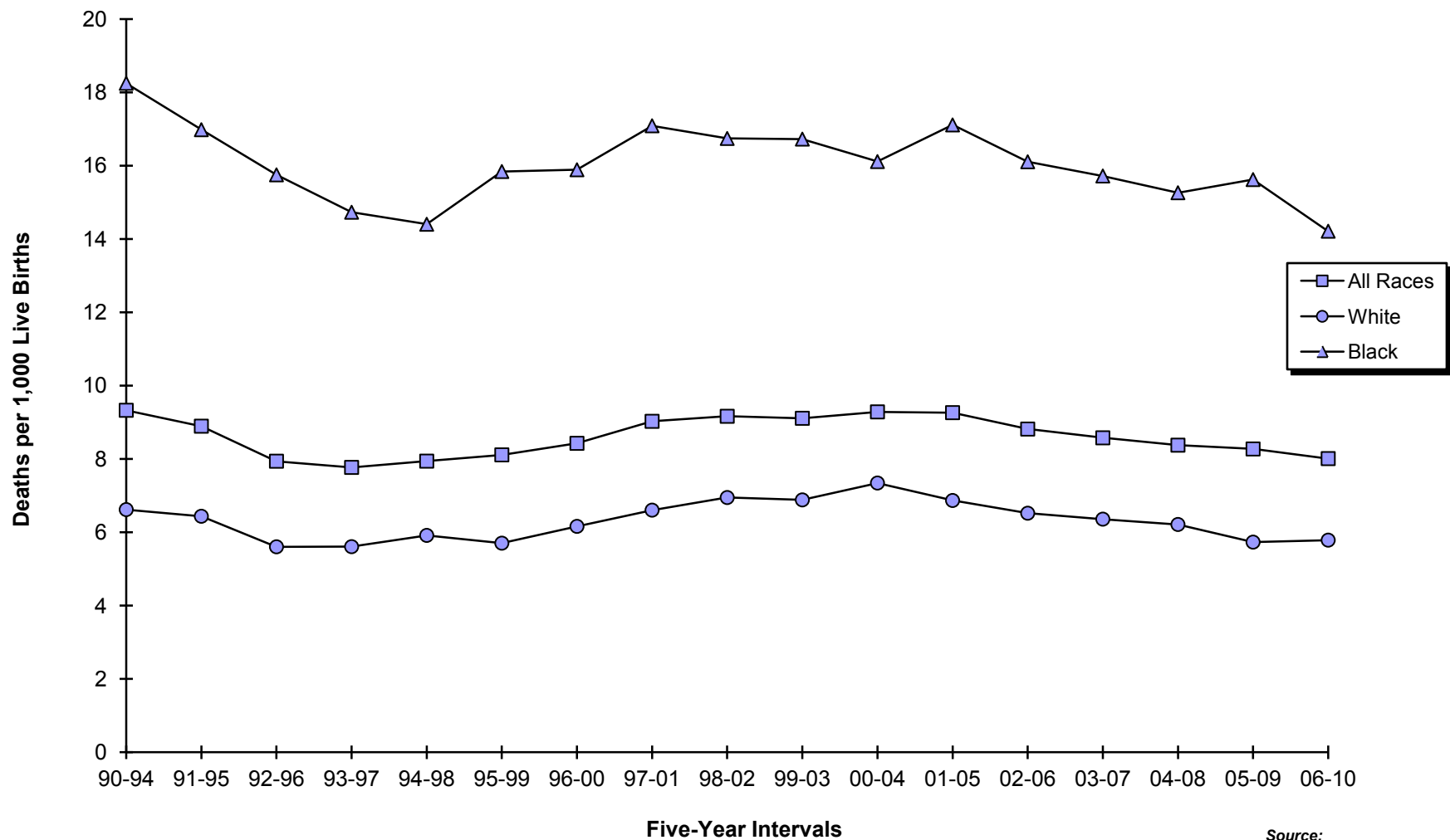
1. 2006-2010 U.S. data are based on NCHS estimates.
2. Infant mortality rates represent the number of deaths of children under one year of age per 1000 live births.
3. '+' indicates that the Delaware rate is significantly higher than the U.S. rate.
4. '-' indicates that the Delaware rate is significantly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

**Sources:**

National Center for Health Statistics  
 Delaware Health Statistics Center

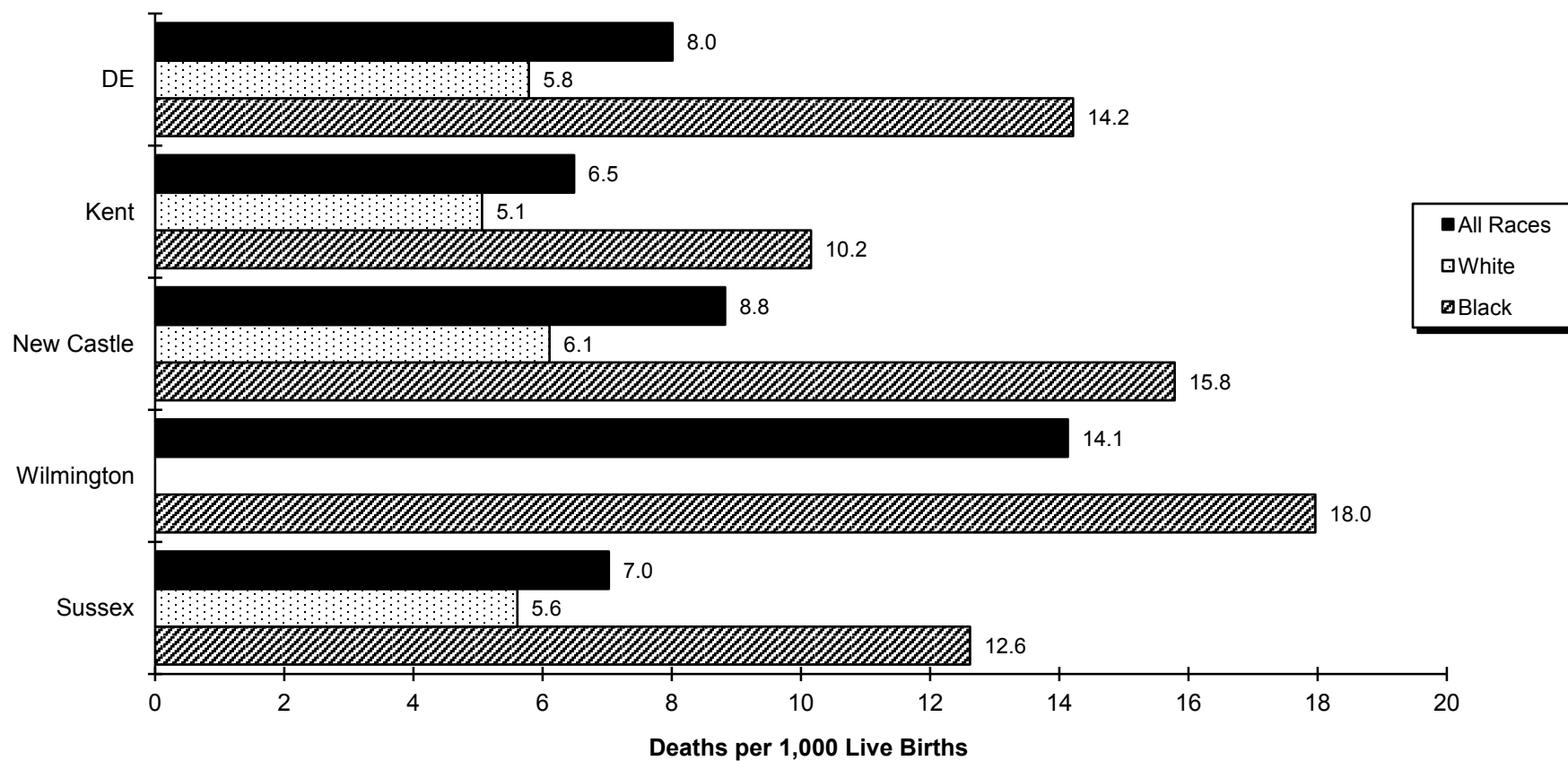
INFANT4

**Figure E-1**  
**Five-Year Average Infant Mortality Rates by Race**  
**Delaware, 1990-2010**



Source:  
 Delaware Health Statistics Center

**Figure E-2**  
**Five-Year Average Infant Mortality Rates by Race**  
**Delaware, Counties and the City of Wilmington, 2006-2010**



*Source:*  
 Delaware Health Statistics Center

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1990-2010

Area/ Race	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>																	
All Races	5.4	5.3	5.1	5.0	4.9	4.8	4.7	4.7	4.7	4.6	4.6	4.6	4.6	4.5	4.4	4.4	4.3
White	4.4	4.3	4.2	4.1	4.0	4.0	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.8	3.7	3.7	3.6
Black	10.9	10.6	10.2	9.9	9.7	9.6	9.5	9.5	9.5	9.5	9.3	9.2	9.1	9.0	8.7	8.6	8.3
<b>Delaware</b>																	
All Races	6.4+	6.0+	5.4	5.3	5.4	5.5+	5.9+	6.4+	6.7+	6.7+	6.7+	6.7+	6.4+	6.1+	5.9+	5.9+	5.6+
White	4.7	4.5	3.8	3.7	3.7	3.5	4.0	4.4	5.0+	5.0+	5.3+	5.0+	4.8+	4.5+	4.3	4.0	3.8
Black	12.1	11.1	10.7	10.4	10.6	11.9+	12.1+	12.8+	12.7+	12.2+	11.4+	12.2+	11.6+	11.2+	10.8+	11.4+	10.3+
<b>Kent</b>																	
All Races	5.6	4.9	5.0	5.0	5.4	5.5	5.9	6.1	7.2	7.0	7.2	7.0	6.0	4.3	4.6	4.7	4.4
White	4.4	3.6	3.8	---	3.4	3.4	4.1	4.6	7.0	6.5	6.8	5.5	4.5	---	2.9	2.7	3.5
Black	10.0	---	---	12.7	12.1	12.0	12.1	11.3	8.9	9.3	9.2	11.2	10.0	9.1	8.8	10.1	7.3
<b>New Castle</b>																	
All Races	6.9	6.4	5.6	5.2	5.0	5.4	6.1	6.6	6.9	7.1	7.0	7.1	6.9	6.8	6.5	6.7	6.2
White	4.8	4.6	3.6	3.6	3.1	3.0	3.7	4.3	4.5	5.0	5.3	5.3	5.1	5.0	4.8	4.6	3.9
Black	13.9	12.6	12.4	10.8	10.8	13.0	13.5	14.2	14.5	13.9	12.4	12.5	12.3	12.1	11.7	12.1	11.8
Wilmington																	
All Races	12.7	11.1	10.5	8.7	8.0	8.7	9.8	9.7	10.1	9.8	9.1	9.5	8.9	9.0	8.9	9.6	9.0
White	8.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	15.2	13.0	14.2	11.2	10.2	11.8	12.5	12.5	13.8	13.4	12.1	13.1	12.3	12.5	11.6	12.9	12.5
Balance of NC County																	
All Races	5.5	5.3	4.5	4.5	4.3	4.7	5.3	6.0	6.3	6.6	6.5	6.6	6.5	6.3	6.0	6.0	5.6
White	4.5	4.3	3.5	3.5	3.1	3.0	3.6	4.2	4.6	5.1	5.4	5.5	5.2	5.2	4.8	4.7	4.0
Black	12.3	12.1	10.6	10.3	11.4	14.1	14.4	15.6	15.1	14.2	12.5	12.1	12.3	11.8	11.8	11.6	11.5
<b>Sussex</b>																	
All Races	5.6	5.5	5.0	5.6	6.8	6.0	5.3	5.8	5.5	4.6	5.1	5.5	5.3	5.6	5.2	4.9	4.9
White	4.6	4.8	4.8	5.1	6.2	5.5	5.0	4.9	4.5	3.6	3.8	3.7	3.9	4.6	4.3	3.7	4.1
Black	8.3	---	---	---	---	---	---	---	---	---	9.9	12.1	10.8	10.3	9.3	9.8	---

INFANT5

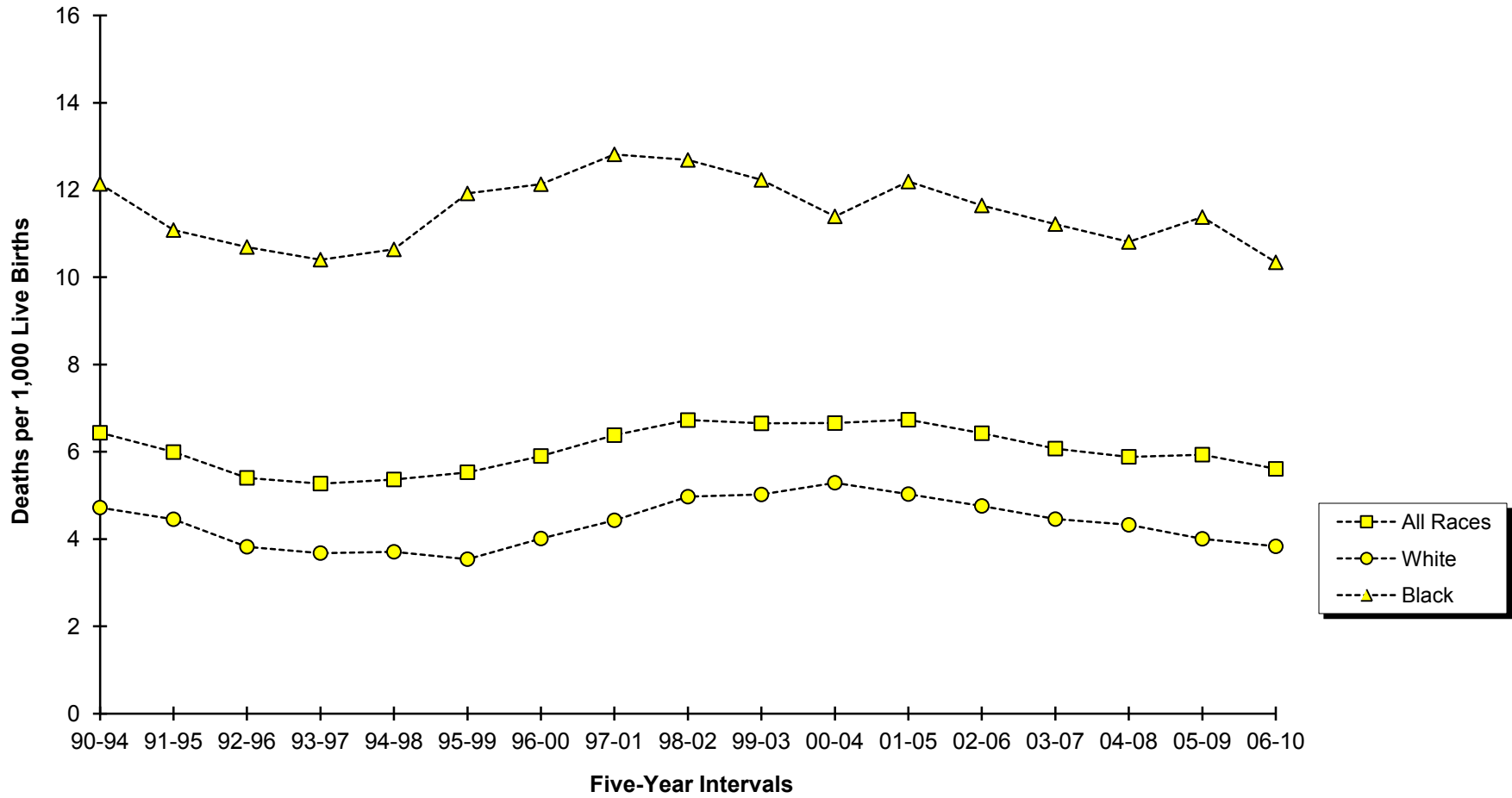
**Notes:**

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

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

**Figure E-3**  
**Five-Year Average Neonatal Mortality Rates by Race**  
**Delaware, 1990-2010**



*Source:*  
 Delaware Health Statistics Center



TABLE E-6  
 FIVE-YEAR AVERAGE POSTNEONATAL MORTALITY RATES BY RACE  
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1990-2010

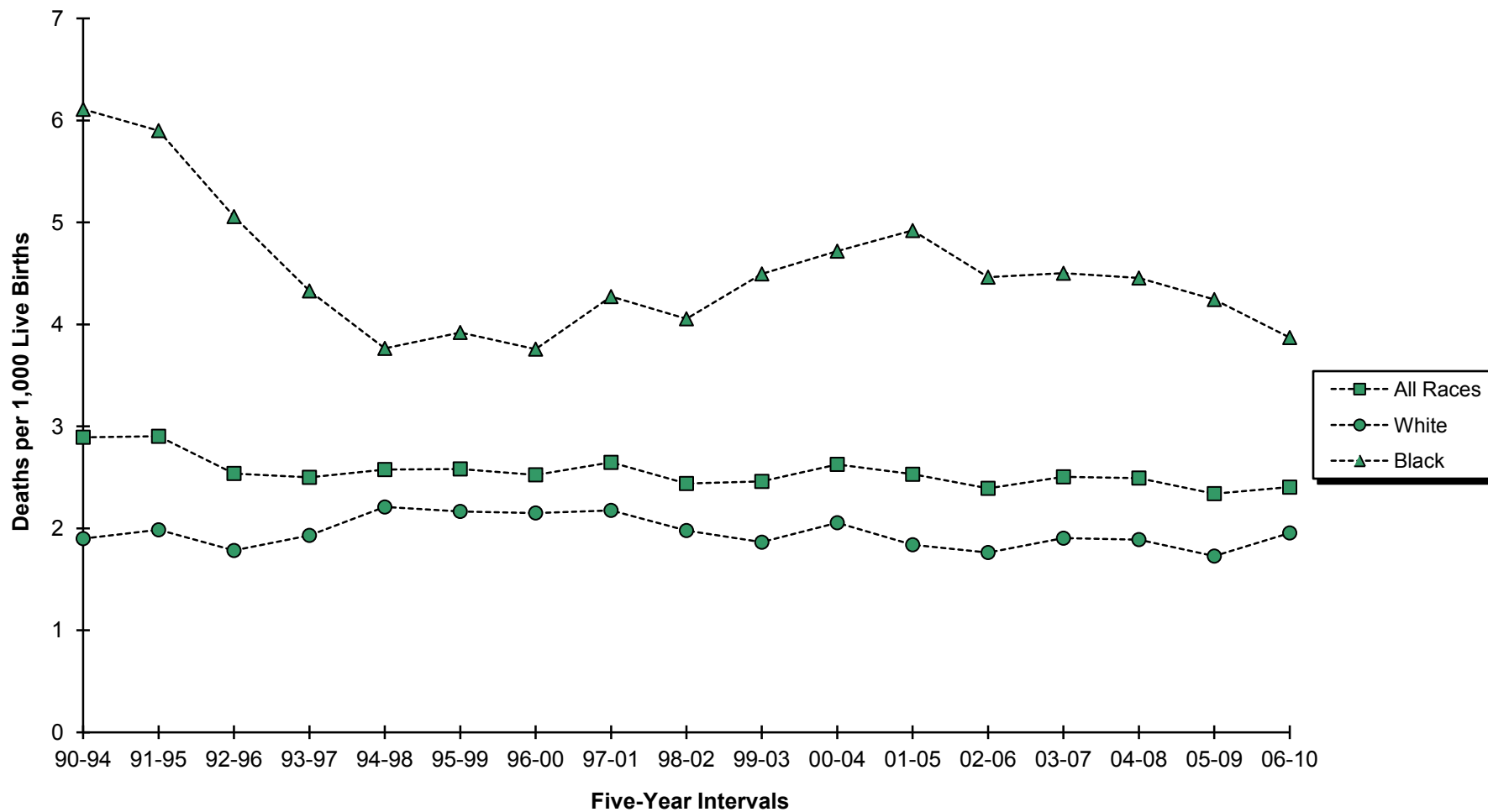
Area/ Race	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>U.S.</b>																	
All Races	3.2	3.0	2.9	2.7	2.6	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2
White	2.6	2.5	2.4	2.3	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Black	6.0	5.8	5.6	5.4	5.1	5.0	4.8	4.8	4.8	4.7	4.8	4.8	4.7	4.6	4.6	4.5	4.4
<b>Delaware</b>																	
All Races	2.9	2.9	2.5	2.5	2.6	2.6	2.5	2.6	2.4	2.5	2.6	2.5	2.4	2.5	2.5	2.3	2.4
White	1.9-	2.0-	1.8-	1.9	2.2	2.2	2.2	2.2	2.0	1.9	2.1	1.8	1.8	1.9	1.9	1.7	2.0
Black	6.1	5.9	5.1	4.3	3.8-	3.9	3.8	4.3	4.1	4.5	4.7	4.9	4.5	4.5	4.5	4.2	3.9
<b>Kent</b>																	
All Races	3.9	3.7	3.5	3.2	3.6	3.0	2.7	2.7	2.7	2.6	2.9	3.0	3.1	2.8	2.6	2.3	2.0
White	2.9	3.0	3.0	3.1	3.7	---	2.9	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>New Castle</b>																	
All Races	2.7	2.6	2.2	2.1	2.3	2.5	2.4	2.5	2.2	2.3	2.4	2.3	2.3	2.5	2.5	2.3	2.6
White	1.7	1.7	1.4	1.4	1.7	1.9	1.8	2.0	1.8	1.8	1.9	1.8	1.7	2.0	2.1	1.9	2.3
Black	5.9	5.7	5.1	4.5	4.3	4.4	4.2	4.0	3.5	4.1	4.2	4.2	4.0	4.3	4.0	4.0	3.9
Wilmington																	
All Races	5.3	5.5	4.8	4.9	4.8	5.0	4.6	4.3	3.4	3.7	3.3	3.3	3.4	4.0	4.1	4.2	5.1
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	7.5	7.3	6.3	6.5	6.6	6.3	6.2	5.5	---	---	---	---	---	---	---	5.1	5.5
Balance of NC County																	
All Races	2.0	1.9	1.6	1.5	1.7	1.9	1.9	2.1	2.0	2.0	2.3	2.1	2.0	2.2	2.1	1.9	2.1
White	1.7	1.6	1.3	1.3	1.6	1.8	1.8	1.9	1.8	1.6	1.9	1.7	1.6	1.9	2.0	1.7	2.0
Black	---	---	---	---	---	---	---	---	---	4.0	4.4	4.4	4.0	4.0	3.5	3.3	3.1
<b>Sussex</b>																	
All Races	2.7	3.2	2.9	3.4	2.7	2.5	2.8	3.3	2.9	2.8	3.0	2.7	2.2	2.3	2.4	2.3	2.2
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

INFANT6

**Sources:**  
 National Center for Health Statistics  
 Delaware Health Statistics Center

**Figure E-4**  
**Five-Year Average Postneonatal Mortality Rates by Race**  
**Delaware, 1990-2010**



Source:  
Delaware Health Statistics Center

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

DELAWARE, 2005-2009 LIVE BIRTH COHORT

Risk Factor	Race		
	All Races	White	Black
<b>Birth Weight of Child</b>			
<2500	70.6	58.5	89.5
<1500	279.3	262.0	298.9
1500-2499	15.2	13.9	17.5
2500+	1.9	1.7	2.8
<b>Age of Mother</b>			
<20	11.8	8.6	16.5
20-24	8.9	6.5	13.9
25-29	7.9	5.8	14.6
30+	6.8	4.8	15.3
<b>Marital Status of Mother</b>			
Married	5.6	4.2	13.9
Single	11.2	8.4	15.2
<b>Education of Mother</b>			
<12 years	10.5	8.0	17.1
H.S. diploma	9.7	7.1	14.3
1+ years college	5.9	4.1	13.1
<b>Interval Since Last Live Birth</b>			
<18 months	11.5	---	20.6
18+ months	6.0	4.2	10.9

COHRATES

**Notes:**

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE, 2005-2009 LIVE BIRTH COHORT

Leading causes of death	Gestational Age Category					% Born Very Preterm	% Born Preterm
	Very preterm	Moderately preterm	Term	Unknown	Total		
Disorders related to short gestation and low birth weight, not elsewhere classified	116	0	1	3	120	96.7	96.7
Congenital malformations, deformations, and chromosomal abnormalities	17	17	27	0	61	27.9	55.7
Newborn affected by maternal complications of pregnancy	44	3	0	0	47	93.6	100.0
Sudden infant death syndrome	2	13	29	0	44	4.5	34.1
Newborn affected by complications of placenta, cord, and membranes	21	0	1	0	22	95.5	95.5
Respiratory distress of newborn	14	0	0	0	14	100.0	100.0
Bacterial sepsis of newborn	12	1	0	0	13	92.3	100.0
Diseases of the circulatory system	2	4	6	0	12	16.7	50.0
Atelectasis	10	0	0	0	10	100.0	100.0
Accidents (unintentional injuries)	3	3	4	0	10	30.0	60.0
Septicemia	4	2	2	0	8	50.0	75.0
Intrauterine hypoxia and birth asphyxia	6	1	0	1	8	75.0	87.5
Newborn affected by other complications of labor and delivery	7	0	0	0	7	100.0	100.0
Neonatal hemorrhage	7	0	0	0	7	100.0	100.0
Renal failure and other disorders of kidney	4	1	0	0	5	80.0	100.0
Necrotizing enterocolitis of newborn	4	1	0	0	5	80.0	100.0
Gastritis, duodenitis, and noninfective enteritis and colitis	4	0	0	0	4	100.0	100.0
Interstitial emphysema and related conditions originating in the perinatal period	4	0	0	0	4	100.0	100.0
Pulmonary hemorrhage originating in the perinatal period	4	0	0	0	4	100.0	100.0
Hernia of abdominal cavity and intestinal obstruction without hernia	0	1	2	0	3	0.0	33.3
All other causes	30	13	30	1	74	40.5	58.1
<b>TOTAL</b>	<b>315</b>	<b>60</b>	<b>102</b>	<b>5</b>	<b>482</b>	<b>65.4</b>	<b>77.8</b>

INFLCOD

**Notes:**

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE LIVE BIRTH COHORT, 1990-2009

Parameter/ Race	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009
<b>BIRTHWEIGHT</b>															
<b>2500+</b>															
All Races	2.6	2.6	2.3	2.3	2.5	2.4	2.4	2.5	2.3	2.5	2.2	2.2	2.3	2.0	1.9
White	2.1	2.1	2.0	2.1	2.4	2.4	2.3	2.4	2.1	2.1	1.9	1.7	1.9	1.8	1.7
Black	4.1	4.1	3.3	2.9	2.8	2.8	2.8	3.0	3.0	3.9	3.5	3.6	3.5	2.9	2.8
<b>&lt;2500</b>															
All Races	83.8	76.4	68.7	65.4	64.8	66.5	69.5	75.2	76.4	73.1	74.5	69.9	68.8	69.2	70.6
White	70.0	66.3	58.4	56.9	55.4	53.9	55.9	63.2	68.7	68.8	68.4	64.3	60.8	60.0	58.5
Black	102.9	91.1	85.3	78.9	78.8	86.0	88.2	93.7	90.5	83.0	88.0	80.9	82.2	83.9	89.5
<b>&lt;1500</b>															
All Races	337.3	307.1	272.9	255.2	258.5	262.7	270.9	304.8	316.2	306.2	313.9	289.4	285.8	286.8	279.3
White	311.4	282.1	239.3	229.8	223.2	219.3	231.5	281.9	303.4	316.8	321.2	295.3	289.0	280.2	262.0
Black	355.0	328.4	306.1	280.3	296.8	315.8	312.1	329.8	335.5	301.5	315.7	289.4	286.0	291.9	298.9
<b>GESTATION</b>															
<b>37+ weeks</b>															
All Races	2.6	2.7	2.3	2.4	2.6	2.6	2.5	2.5	2.3	2.4	2.2	2.2	2.3	2.0	2.0
White	2.1	2.3	2.2	2.3	2.6	2.6	2.4	2.3	2.1	2.0	1.7	1.8	1.9	1.8	1.8
Black	3.9	3.8	2.8	2.8	2.8	2.7	2.8	3.1	2.9	4.0	3.4	3.4	3.4	2.9	2.7
<b>&lt;37 weeks</b>															
All Races	62.9	56.2	50.3	47.1	45.6	45.9	48.2	53.0	54.3	52.6	53.5	49.1	47.1	47.0	47.3
White	51.4	45.6	38.1	37.2	35.4	33.6	35.7	41.8	45.5	46.5	45.2	40.5	37.5	36.2	34.9
Black	79.8	73.4	72.3	65.3	64.1	69.6	70.5	73.5	72.5	67.7	72.7	68.2	66.9	68.3	71.1
<b>&lt;32 weeks</b>															
All Races	260.8	238.6	212.4	196.5	199.8	201.3	214.9	238.1	249.6	239.4	249.1	232.4	220.4	220.4	216.9
White	260.0	231.0	186.3	177.7	179.4	174.0	191.5	228.4	249.2	244.0	248.3	223.0	202.7	193.2	184.8
Black	258.2	242.8	239.1	215.4	222.2	235.6	238.7	250.4	255.4	239.8	259.4	250.0	246.4	255.2	258.8
<b>PLURALITY</b>															
<b>Single</b>															
All Races	8.2	7.7	7.0	6.7	6.7	6.8	6.9	7.3	7.3	7.5	7.4	7.1	7.2	7.0	7.0
White	5.4	5.4	5.0	5.0	5.1	5.1	4.9	5.2	5.4	5.6	5.4	5.1	5.2	5.2	4.9
Black	16.8	14.8	13.3	12.1	11.5	12.2	12.9	13.4	13.4	13.5	13.6	13.0	12.8	12.2	12.7
<b>Plural</b>															
All Races	45.6	43.1	30.0	33.5	39.3	41.6	45.4	53.1	52.9	50.3	52.0	47.0	44.0	40.3	41.0
White	41.9	37.9	24.5	28.9	30.4	28.6	35.1	43.4	48.0	49.2	49.9	44.0	36.6	29.6	30.6
Black	---	---	---	---	68.7	84.6	73.0	80.7	68.5	54.1	64.6	59.1	63.5	67.7	69.5
<b>SMOKING DURING PREGNANCY</b>															
<b>No</b>															
All Races	8.1	7.8	7.0	7.1	7.1	7.4	7.6	8.1	8.0	8.2	8.2	7.9	7.7	7.4	7.6
White	5.5	5.4	5.0	5.3	5.2	5.3	5.3	5.7	5.8	6.2	6.1	6.0	5.7	5.4	5.3
Black	15.9	15.0	13.4	12.6	12.7	14.0	14.3	15.3	14.8	14.3	14.7	13.7	13.4	13.2	13.9
<b>Yes</b>															
All Races	13.3	12.1	10.3	9.2	10.6	10.6	11.3	13.4	15.1	14.8	15.1	13.4	13.9	13.3	12.1
White	9.5	9.6	8.2	7.4	9.4	9.3	9.8	12.2	14.2	13.3	13.0	10.2	10.7	10.7	8.9
Black	27.4	21.3	18.6	16.2	15.3	16.3	17.3	18.0	18.9	19.5	22.0	23.9	23.8	21.2	21.5

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

DELAWARE LIVE BIRTH COHORT, 1990-2009

Parameter/ Race	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009
<b>EDUCATION</b>															
<b>HS Grad or less</b>															
All Races	10.6	10.4	9.5	9.4	9.9	10.4	10.3	11.1	11.5	11.4	11.1	10.7	10.8	10.1	10.0
White	7.4	7.6	6.9	7.2	8.0	8.0	7.8	8.4	9.1	8.8	8.7	8.3	8.4	7.8	7.6
Black	17.8	16.8	15.7	14.3	14.3	15.8	15.6	16.8	16.9	17.2	17.2	16.6	16.4	15.4	15.4
<b>1+ yrs college</b>															
All Races	6.5	5.7	5.0	4.9	4.9	4.9	5.5	6.1	6.0	6.0	6.3	5.8	5.4	5.6	5.9
White	4.6	4.2	4.0	3.9	3.7	3.6	4.1	4.6	4.7	4.7	5.0	4.5	4.1	4.2	4.1
Black	16.9	13.0	9.9	10.2	10.5	11.8	13.5	13.9	12.6	12.2	12.0	11.1	10.9	11.4	13.1
<b>PAYMENT FOR DELIVERY</b>															
<b>Medicaid</b>															
All Races	NA	11.7	10.1	10.0	10.3	10.9	9.9	10.6	10.1	9.5	10.2	9.6	10.4	10.2	9.9
White	NA	8.5	7.3	7.9	8.8	9.1	7.7	8.6	8.3	7.1	7.7	7.1	8.0	8.0	7.5
Black	NA	15.4	13.8	12.9	12.7	13.6	13.1	13.8	13.0	13.3	14.7	14.0	14.4	14.1	14.1
<b>Private Insurance</b>															
All Races	NA	6.1	5.5	5.3	5.5	5.7	6.5	6.8	7.4	7.7	7.6	7.4	6.7	6.4	6.6
White	NA	4.8	4.4	4.2	4.2	4.3	4.9	5.2	5.7	5.9	5.8	5.6	5.0	4.6	4.5
Black	NA	14.1	12.6	11.6	12.8	13.7	14.8	15.6	16.5	17.1	17.0	16.6	15.3	15.0	16.4

COTREND

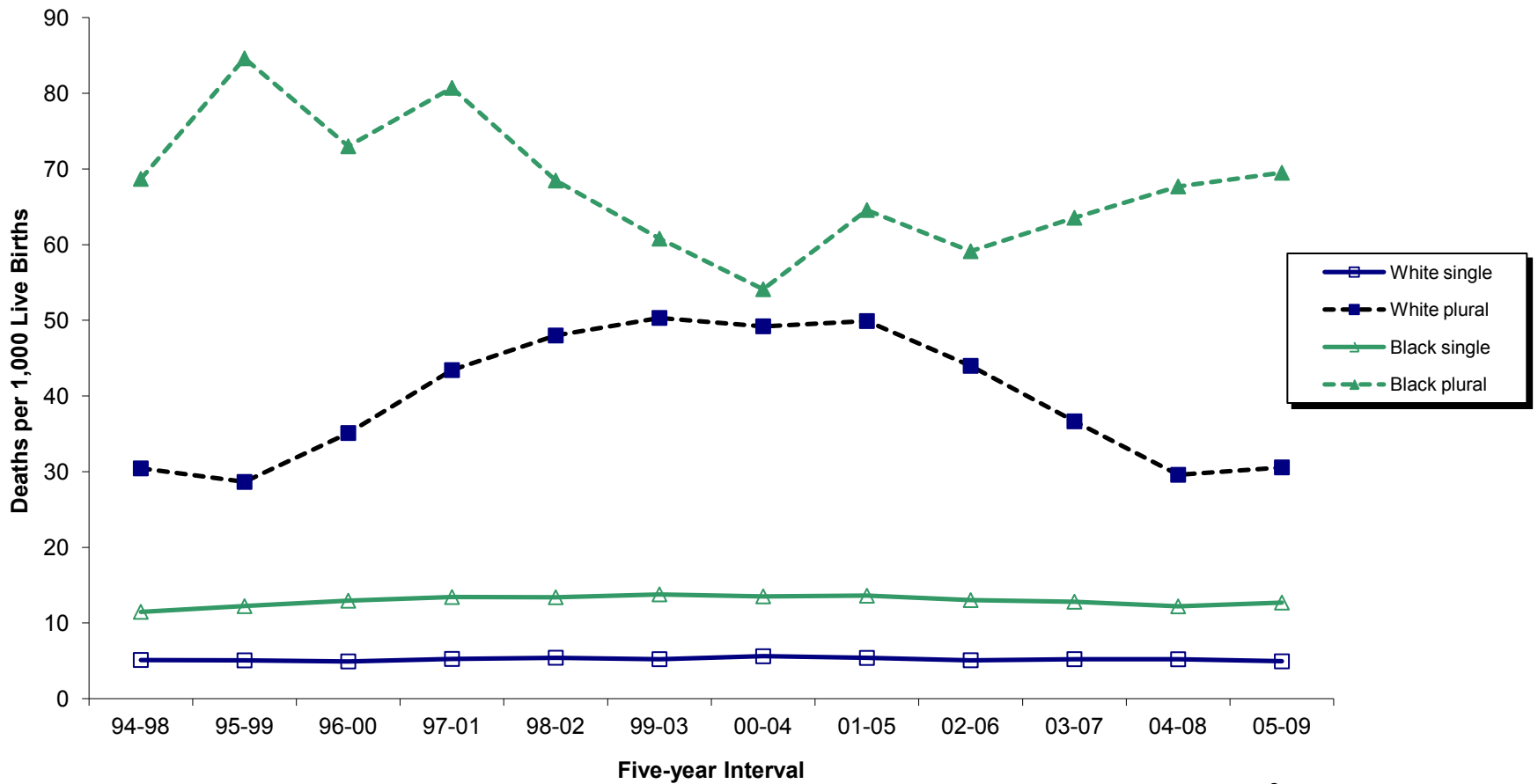
**Notes:**

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

**Source:**

Delaware Health Statistics Center

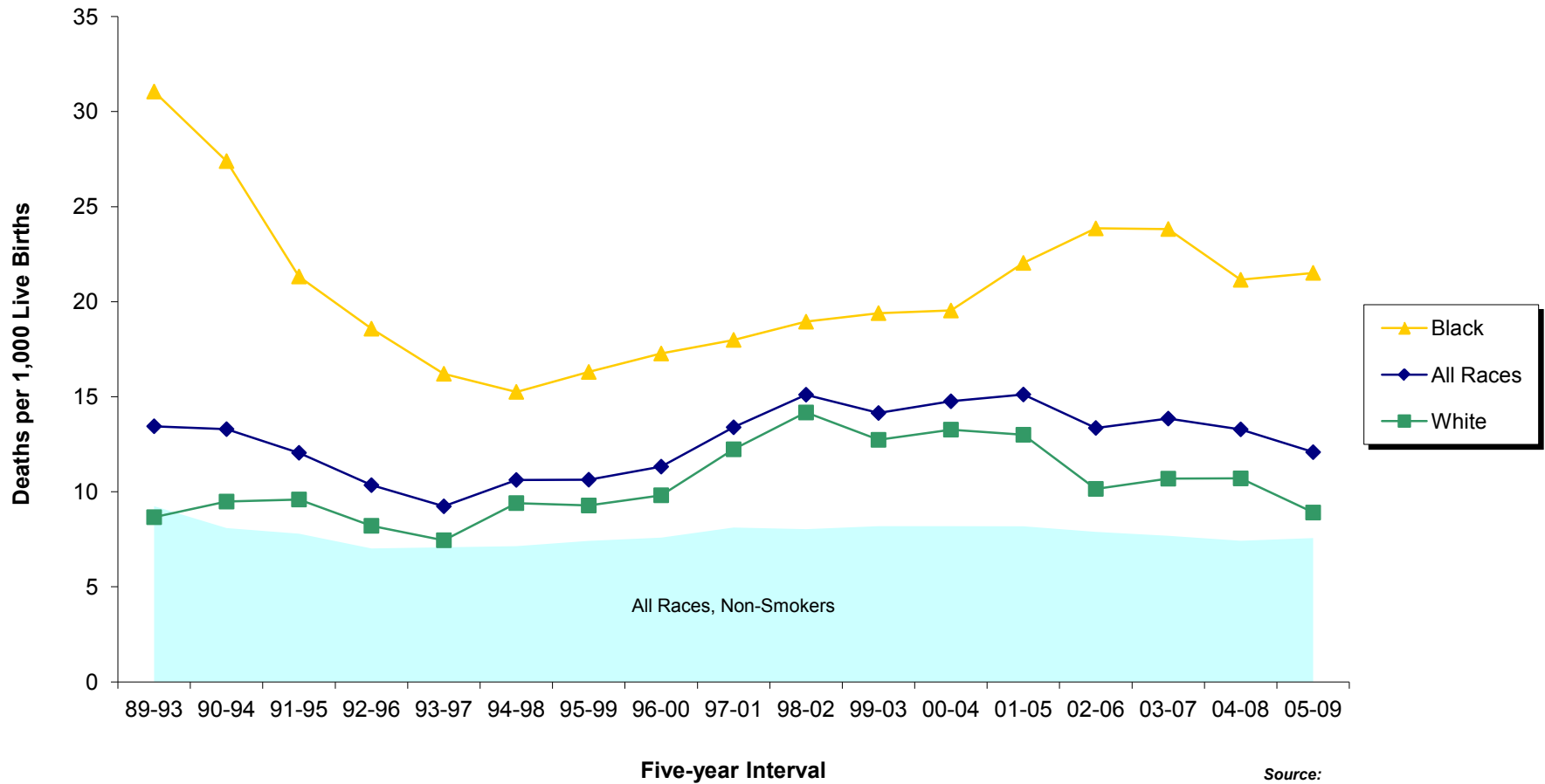
**Figure E-5**  
**Five-year Average Infant Mortality Rates by Race and Plurality**  
**Delaware, 1994-2009 Live Birth Cohort**



Source:  
 Delaware Health Statistics Center

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

**Delaware, 1989-2009 Live Birth Cohort**

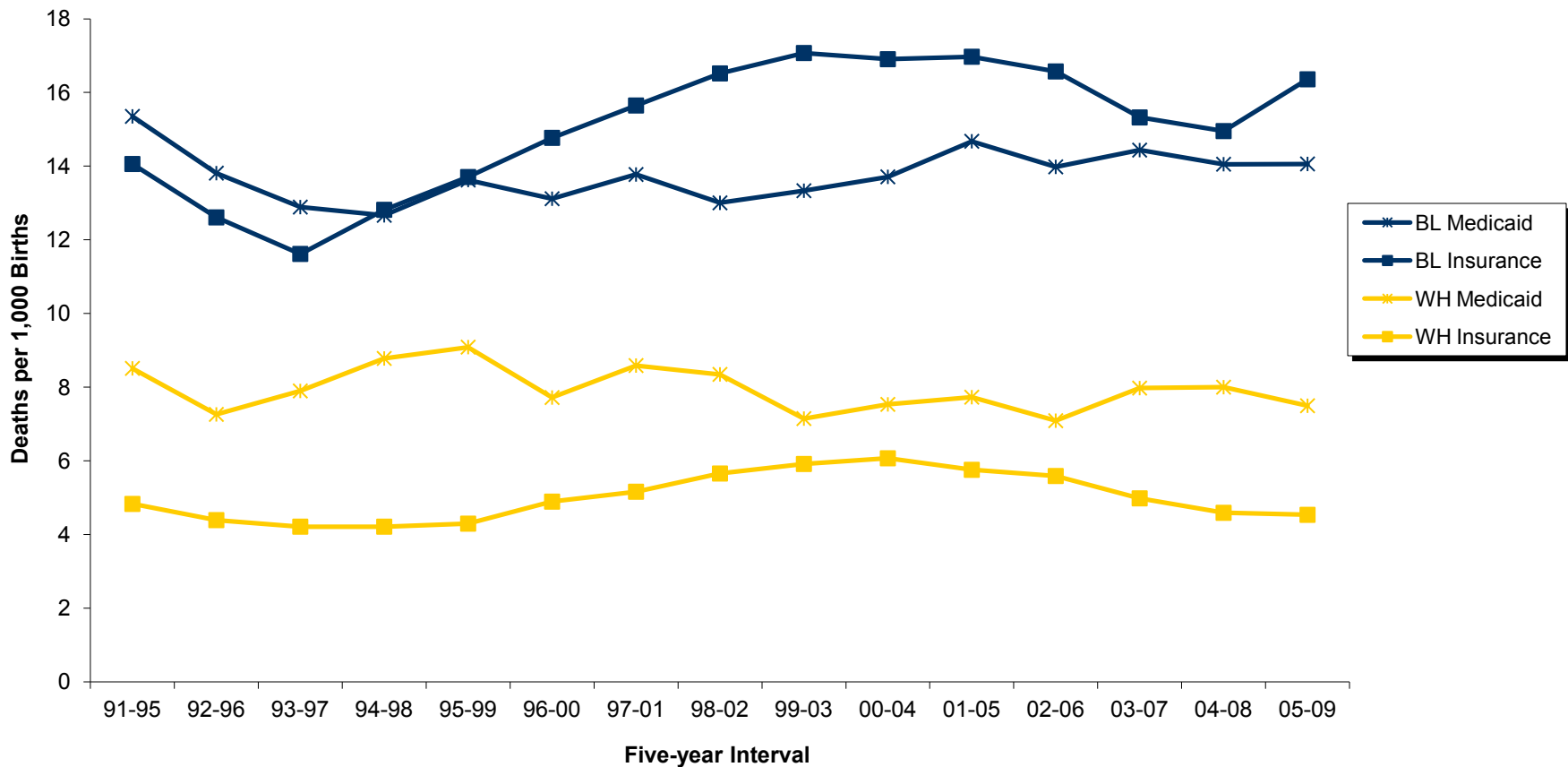


Source:  
 Delaware Health Statistics Center



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

**Delaware, 1991-2009 Live Birth Cohort**



Source:  
 Delaware Health Statistics Center

TABLE E-10  
NUMBER OF INFANT DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER AND SEX OF CHILD  
DELAWARE, 2005-2009 LIVE BIRTH COHORT

Plurality/ Birth Weight	Race and Sex										
	All Races			White			Black			Other	
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male
<b>All Births</b>	482	256	226	233	129	104	231	117	114	18	10
<2500	376	197	179	169	95	74	193	94	99	14	8
<1500	312	169	143	136	82	54	165	81	84	11	6
<500	150	76	74	50	28	22	96	46	50	4	2
500-999	134	73	61	68	41	27	61	30	31	5	2
1000-1499	28	20	8	18	13	5	8	5	3	2	2
1500-1999	30	12	18	17	6	11	12	6	6	1	0
2000-2499	34	16	18	16	7	9	16	7	9	2	2
2500+	102	56	46	62	33	29	37	22	15	3	1
2500-2999	42	23	19	27	16	11	14	7	7	1	0
3000-3499	37	22	15	17	8	9	18	13	5	2	1
3500-3999	18	8	10	14	6	8	4	2	2	0	0
4000-4499	3	2	1	3	2	1	0	0	0	0	0
4500+	2	1	1	1	1	0	1	0	1	0	0
Unknown	4	3	1	2	1	1	1	1	0	1	1
<b>Single Births</b>	396	209	187	190	100	90	190	100	90	16	9
<2500	296	153	143	128	67	61	155	79	76	13	7
<1500	235	127	108	96	55	41	129	67	62	10	5
<500	116	58	58	34	18	16	78	38	40	4	2
500-999	99	56	43	50	29	21	44	25	19	5	2
1000-1499	20	13	7	12	8	4	7	4	3	1	1
1500-1999	30	12	18	17	6	11	12	6	6	1	0
2000-2499	31	14	17	15	6	9	14	6	8	2	2
2500+	97	54	43	60	32	28	35	21	14	2	1
2500-2999	38	22	16	25	15	10	13	7	6	0	0
3000-3499	36	21	15	17	8	9	17	12	5	2	1
3500-3999	18	8	10	14	6	8	4	2	2	0	0
4000-4499	3	2	1	3	2	1	0	0	0	0	0
4500+	2	1	1	1	1	0	1	0	1	0	0
Unknown	3	2	1	2	1	1	0	0	0	1	1
<b>Plural Births</b>	86	47	39	43	29	14	41	17	24	2	1
<2500	80	44	36	41	28	13	38	15	23	1	1
<1500	77	42	35	40	27	13	36	14	22	1	1
<500	34	18	16	16	10	6	18	8	10	0	0
500-999	35	17	18	18	12	6	17	5	12	0	0
1000-1499	8	7	1	6	5	1	1	1	0	1	1
1500-1999	0	0	0	0	0	0	0	0	0	0	0
2000-2499	3	2	1	1	1	0	2	1	1	0	0
2500+	5	2	3	2	1	1	2	1	1	1	0
2500-2999	4	1	3	2	1	1	1	0	1	1	0
3000-3499	1	1	0	0	0	0	1	1	0	0	0
3500-3999	0	0	0	0	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	1	1	0	0	0	0	1	1	0	0	0

PLBWRCSX

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

**Source:**  
Delaware Health Statistics Center

TABLE E-11  
NUMBER OF NEONATAL DEATHS BY PLURALITY, BIRTH WEIGHT IN GRAMS, RACE OF MOTHER AND SEX OF CHILD  
DELAWARE, 2005-2009 LIVE BIRTH COHORT

Plurality/ Birth Weight	Race and Sex										
	All Races			White			Black			Other	
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male
<b>All Births</b>	346	192	154	160	93	67	174	93	81	12	6
<2500	316	173	143	142	84	58	163	84	79	11	5
<1500	286	158	128	126	77	49	151	77	74	9	4
<500	150	76	74	50	28	22	96	46	50	4	2
500-999	113	65	48	61	37	24	48	27	21	4	1
1000-1499	23	17	6	15	12	3	7	4	3	1	1
1500-1999	15	6	9	8	3	5	6	3	3	1	0
2000-2499	15	9	6	8	4	4	6	4	2	1	1
2500+	27	17	10	16	8	8	10	8	2	1	1
2500-2999	12	8	4	9	5	4	3	3	0	0	0
3000-3499	10	8	2	4	2	2	5	5	0	1	1
3500-3999	2	0	2	1	0	1	1	0	1	0	0
4000-4499	2	1	1	2	1	1	0	0	0	0	0
4500+	1	0	1	0	0	0	1	0	1	0	0
Unknown	3	2	1	2	1	1	1	1	0	0	0
<b>Single Births</b>	269	147	122	120	65	55	138	77	61	11	5
<2500	241	130	111	103	57	46	128	69	59	10	4
<1500	212	116	96	87	50	37	117	63	54	8	3
<500	116	58	58	34	18	16	78	38	40	4	2
500-999	81	48	33	44	25	19	33	22	11	4	1
1000-1499	15	10	5	9	7	2	6	3	3	0	0
1500-1999	15	6	9	8	3	5	6	3	3	1	0
2000-2499	14	8	6	8	4	4	5	3	2	1	1
2500+	26	16	10	15	7	8	10	8	2	1	1
2500-2999	11	7	4	8	4	4	3	3	0	0	0
3000-3499	10	8	2	4	2	2	5	5	0	1	1
3500-3999	2	0	2	1	0	1	1	0	1	0	0
4000-4499	2	1	1	2	1	1	0	0	0	0	0
4500+	1	0	1	0	0	0	1	0	1	0	0
Unknown	2	1	1	2	1	1	0	0	0	0	0
<b>Plural Births</b>	77	45	32	40	28	12	36	16	20	1	1
<2500	75	43	32	39	27	12	35	15	20	1	1
<1500	74	42	32	39	27	12	34	14	20	1	1
<500	34	18	16	16	10	6	18	8	10	0	0
500-999	32	17	15	17	12	5	15	5	10	0	0
1000-1499	8	7	1	6	5	1	1	1	0	1	1
1500-1999	0	0	0	0	0	0	0	0	0	0	0
2000-2499	1	1	0	0	0	0	1	1	0	0	0
2500+	1	1	0	1	1	0	0	0	0	0	0
2500-2999	1	1	0	1	1	0	0	0	0	0	0
3000-3499	0	0	0	0	0	0	0	0	0	0	0
3500-3999	0	0	0	0	0	0	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	1	1	0	0	0	0	1	1	0	0	0

NEOPLBW

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

**Source:**  
Delaware Health Statistics Center

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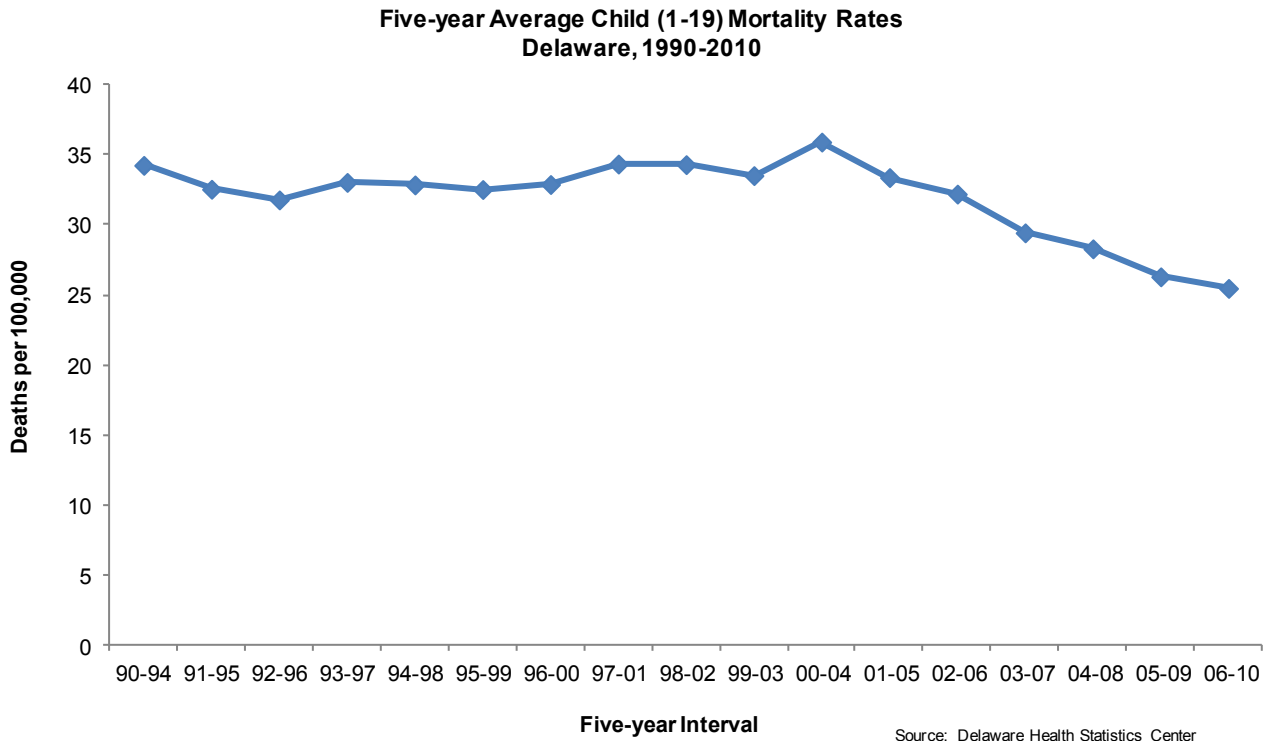
# Mortality

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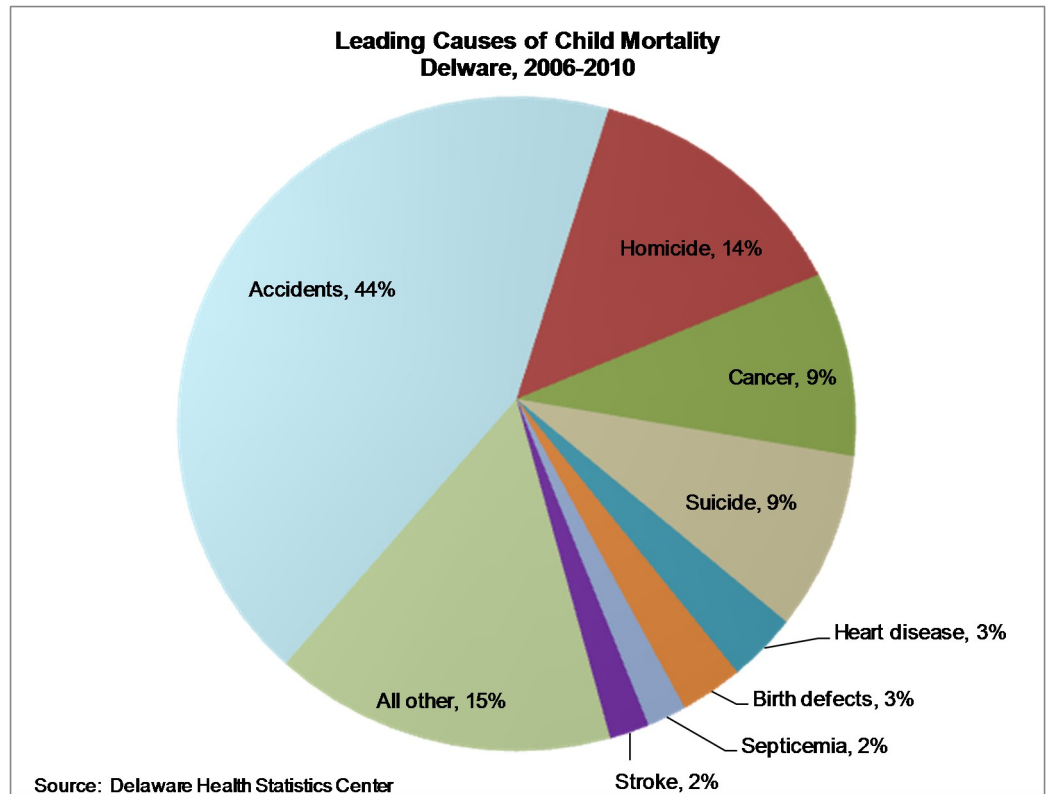
## CHILD MORTALITY

From 2006 to 2010, 282 children and adolescents between the ages of 1 and 19 died in Delaware, representing 0.8 percent of the total deaths that occurred during that time. Males accounted for 64 percent of all child deaths in 2006-2010.

After small fluctuations throughout the 1990s, the mortality rate for children ages 1 to 19 began to decline. Since its peak of 36 in 2000-2004, the rate has decreased 29 percent, to 25 deaths per 100,000 children.

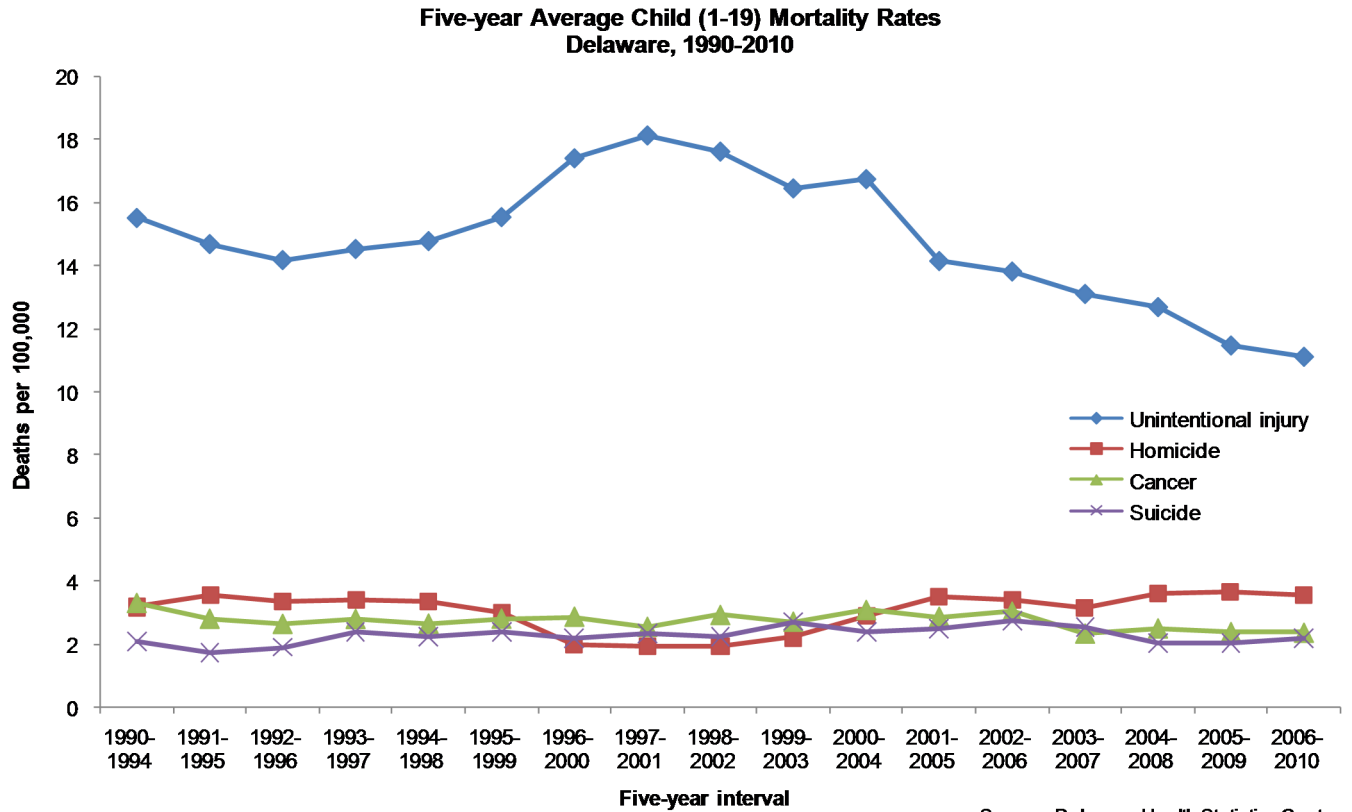


Accidents, homicide, cancer, and suicide were the four most common causes of child mortality in 2006-2010. Together, they accounted for three-quarters of all child deaths.



## CHILD MORTALITY

From 2001-2005 to 2006-2010, rates for three of the four leading causes of child mortality declined. Unintentional injury mortality rates declined by 32 percent; cancer and suicide mortality rates also decreased, though the change was not statistically significant. Homicide rates were stable at 3.5 deaths per 100,000 children.



Detailed manner of the most common causes of child deaths in 2006-2010:

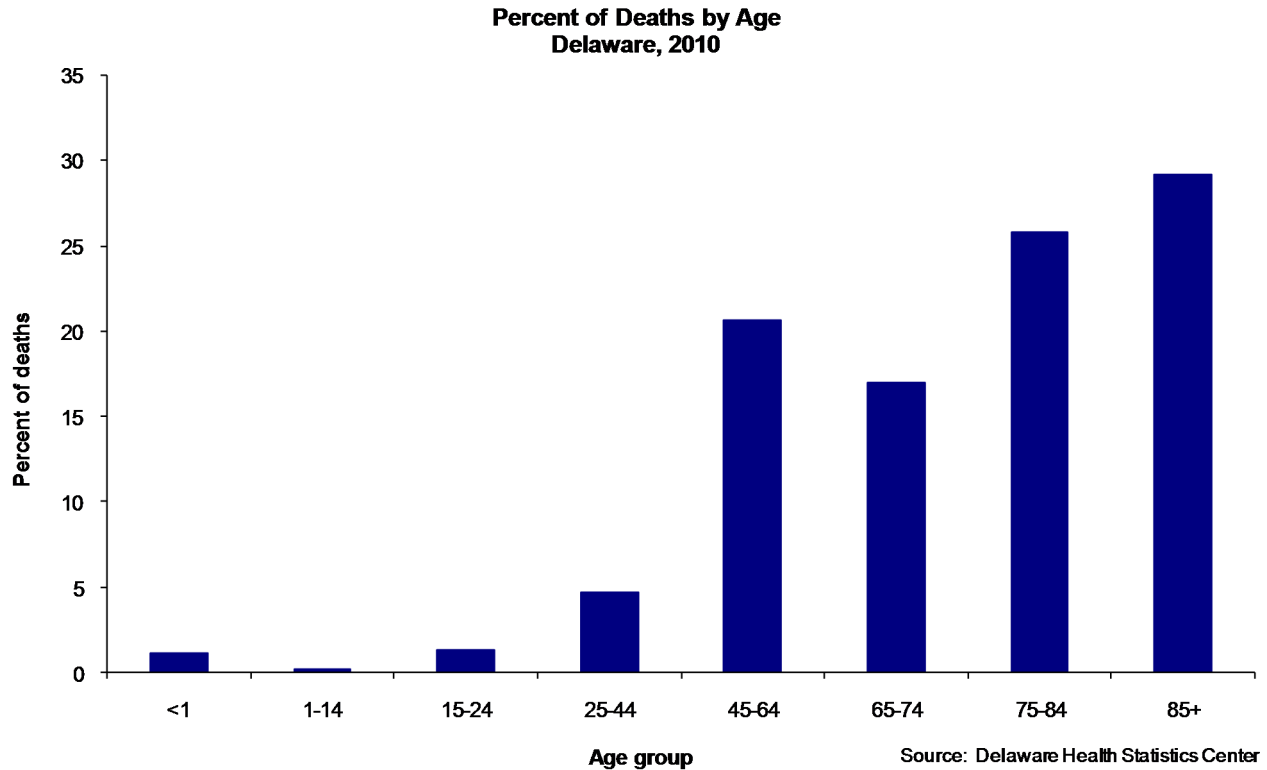
- Motor vehicle crashes accounted for 65 percent of all deaths due to unintentional injuries; the second and third most common causes of unintentional injury deaths of children were poisoning and drowning, which accounted for 11 and 10 percent of deaths respectively.
- Firearms and cutting/piercing accounted for over 90 percent of all homicides, 82 and 10 percent respectively.
- The majority of child cancer deaths were due to brain cancer (39 percent) and leukemia (27 percent).
- Suffocation, followed by firearms, were the most common methods of suicide, and accounted for 50 and 33 percent of the total suicide deaths.



## MORTALITY

More Delaware residents died in 2010 than in 2009. A total of 7,667 residents died, 88 of whom were infants under the age of 1. Deaths were split almost equally between males and females. Cancer and heart disease were the most common causes of death, accounting for 51 percent of all deaths in 2010.

- Twenty-nine percent of the Delawareans who died in 2010 were 85 or older. Deaths of those 75 and older accounted for more than half of all deaths.

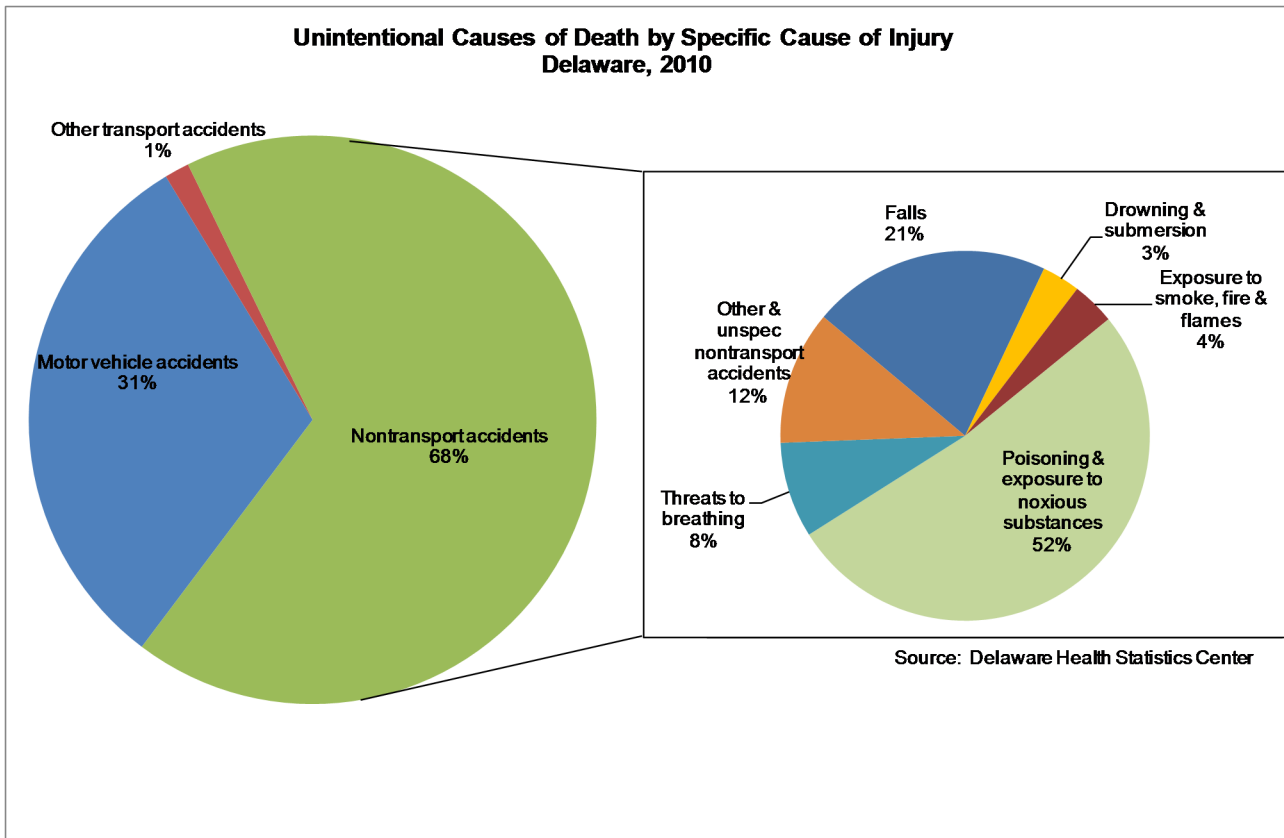


- A Delaware resident born in 2010 could expect to live an average of 79.1 years.
- Life expectancy at birth varied by race and sex; white females had the highest life expectancy (81.7) while black males had the lowest (72.5).
- In 1989, 80 percent of Delaware decedents were buried and 15 percent were cremated. By 2010, the distribution had shifted: 55 percent of decedents were buried and 41 percent were cremated.
- In 2010, the ten leading causes of death for residents of all ages were the same as the top 10 in 2009; the only changes were shifts in the rank order, with dementia and Alzheimer's disease both moving higher in the rankings.

Rank	Leading Cause of Death	Number
1	Malignant neoplasms (cancer)	1895
2	Diseases of heart (heart disease)	1761
3	Chronic lower respiratory diseases	441
4	Dementia	438
5	Cerebrovascular diseases (stroke)	408
6	Accidents (unintentional injuries)	354
7	Alzheimer's disease	217
8	Diabetes mellitus (diabetes)	197
9	Nephritis, nephrotic syndrome & nephrosis (kidney disease)	157
10	Influenza & pneumonia	138

## MORTALITY

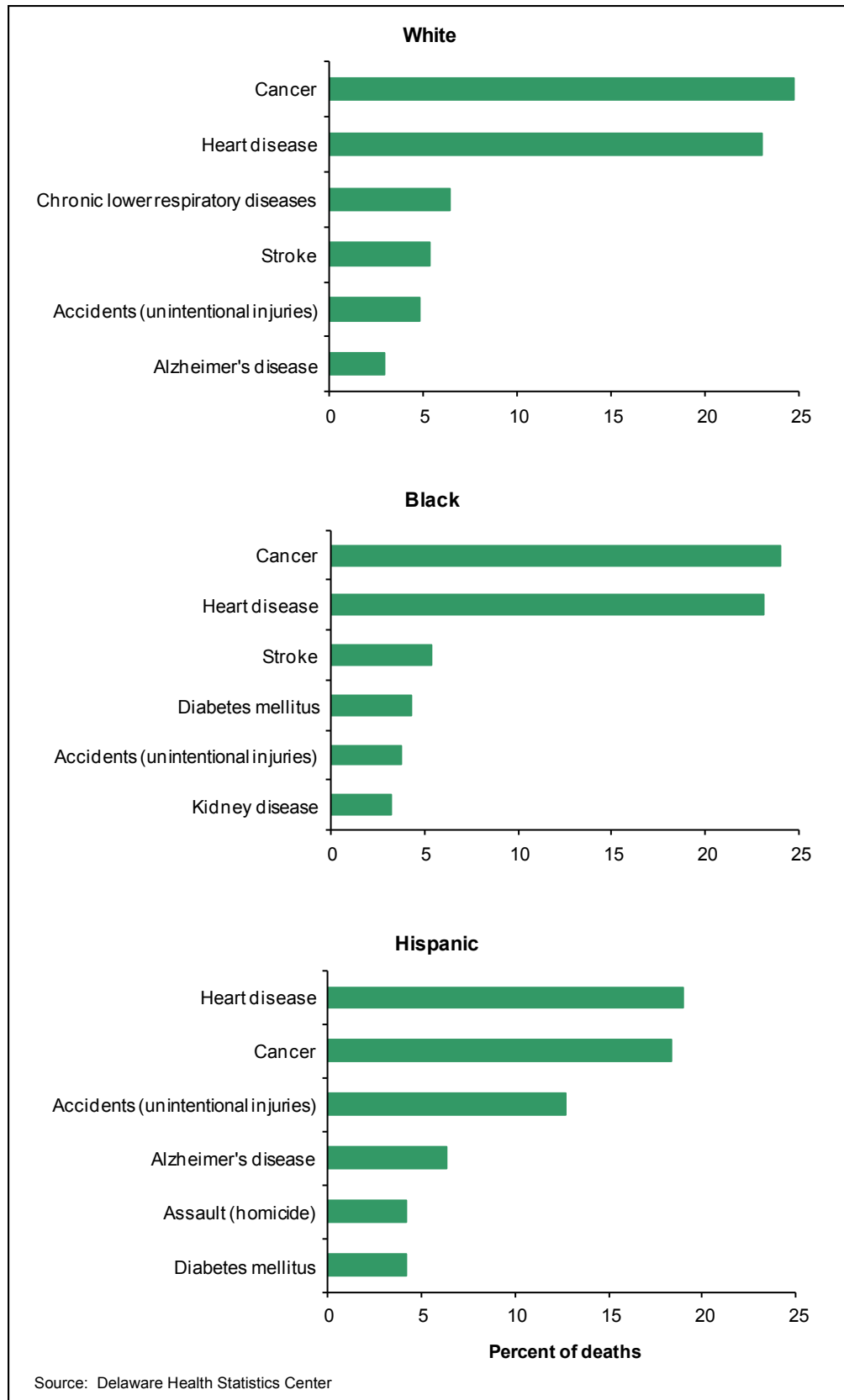
- There were 354 deaths due to unintentional injury in 2010 (4.6 percent of all deaths); 31 percent were due to motor vehicle accidents and 68 percent were due to non-transport accidents. Over half of the 239 nontransport accidents were caused by unintentional poisonings; the majority (94 percent) of unintentional poisonings were drug-induced poisonings.
- For the second year, unintentional poisonings surpassed motor vehicle injuries and became the leading cause of unintentional injury death in 2010.
  - For whites of both sexes, poisonings caused the most unintentional injuries, followed by motor vehicle accidents. For blacks of both sexes, motor vehicle accidents caused the greatest number of unintentional injuries.



- In 2006-2010, accidents were the number one cause of death for people 1-44 years of age, and they were responsible for 43 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 three-fourths of total deaths (See Table F-11).

## MORTALITY

The leading causes of death varied by race and ethnic group. In 2010, the most common causes of death for white, black, and Hispanic Delawareans were:

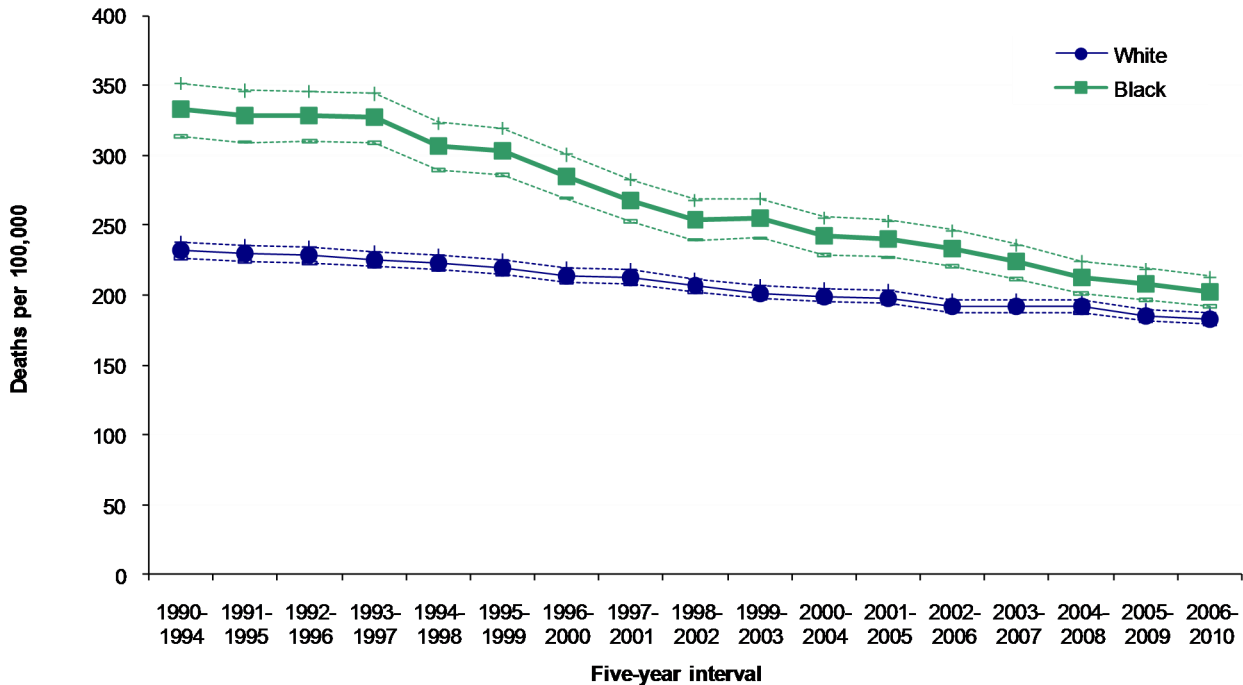


## MORTALITY

Cancer mortality rates have decreased in all three counties since the early 1990s, though most recently Kent County rates leveled off. In 2006-2010, the 5-year age-adjusted cancer mortality rates ranged from 171.3 in Sussex County to 206.8 deaths per 100,000 population in Kent County.

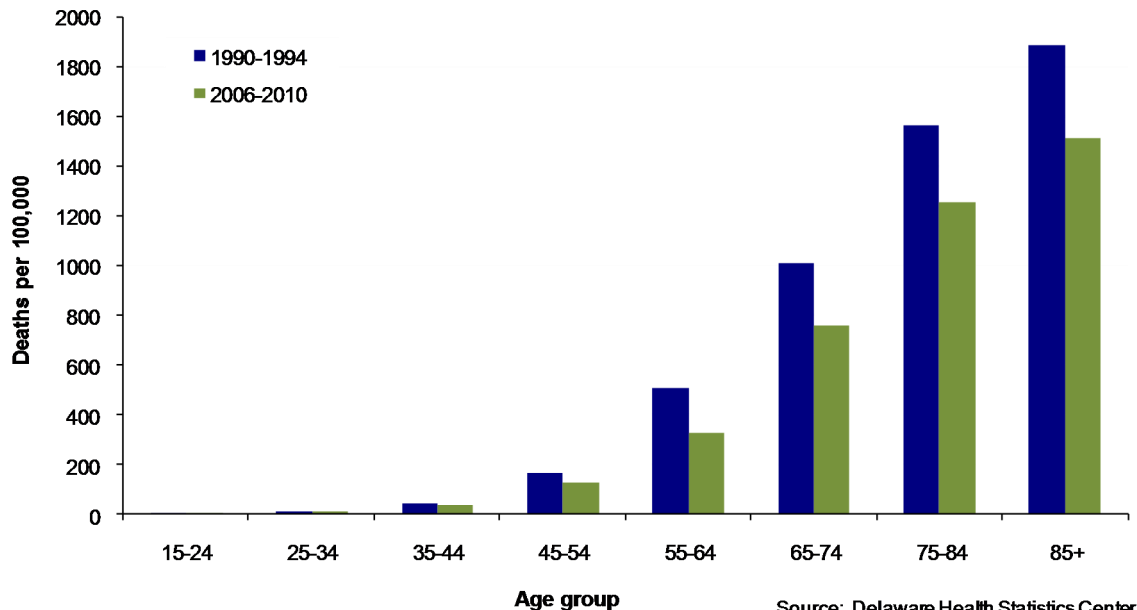
Cancer mortality rates for black and white decedents followed the same declining trend, and though the gap between black and white cancer mortality rates has narrowed, black cancer mortality rates in 2006-2010 remained significantly higher than white rates.

**Five-year Age-adjusted Cancer Mortality Rates by Race  
Delaware, 1990-2010**



Source: Delaware Health Statistics Center

**Five-year Average Age-specific Cancer Mortality Rates  
Delaware, 1990-1994 and 2006-2010**



Source: Delaware Health Statistics Center

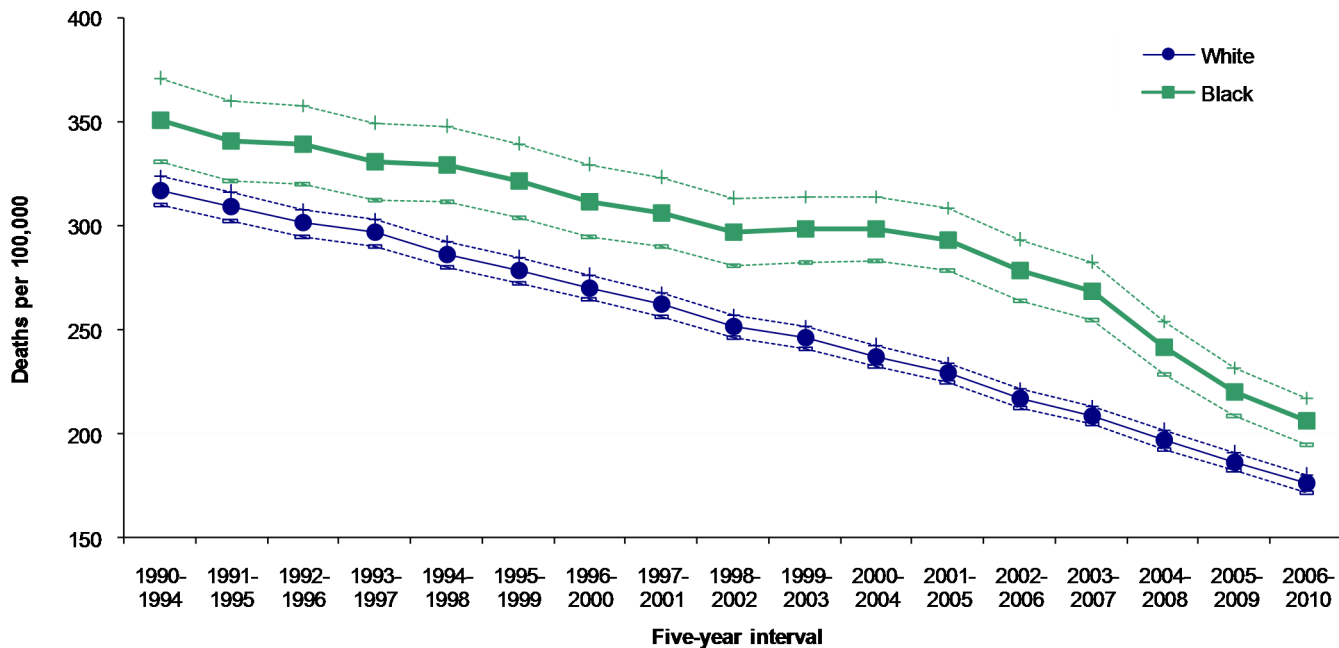
The same decreases seen in the age-adjusted cancer mortality rates were reflected in the age-specific rates as well.

Cancer mortality rates declined for all age groups between 1990-1994 and 2006-2010. The 25-34 and 55-64 age groups experienced the largest decreases.

## MORTALITY

Heart disease was the second most common cause of death for both black and white Delawareans in 2006-2010. Both black and white heart disease mortality rates have declined significantly since 1990-1994, with white rates declining 45 percent and black rates declining 41 percent.

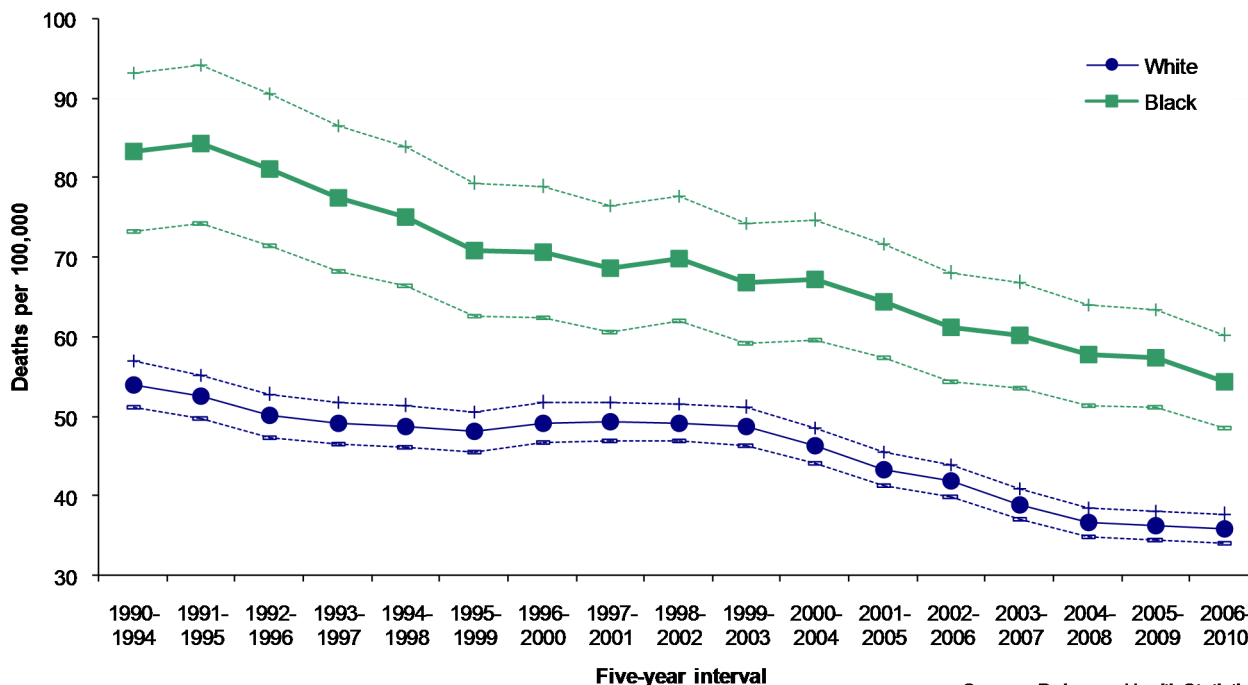
**Five-year Age-adjusted Heart Disease Mortality Rates by Race  
Delaware, 1990-2010**



Source: Delaware Health Statistics Center

Stroke mortality rates for both races continued their declining trends, with rates for both races decreasing 33 percent between 1990-1994 and 2006-2010. Due to the similarity in their declines, the black stroke mortality rate remained approximately 52 percent higher than white rate (54.3 versus 35.8).

**Five-year Age-adjusted Stroke Mortality Rates by Race  
Delaware, 1990-2010**

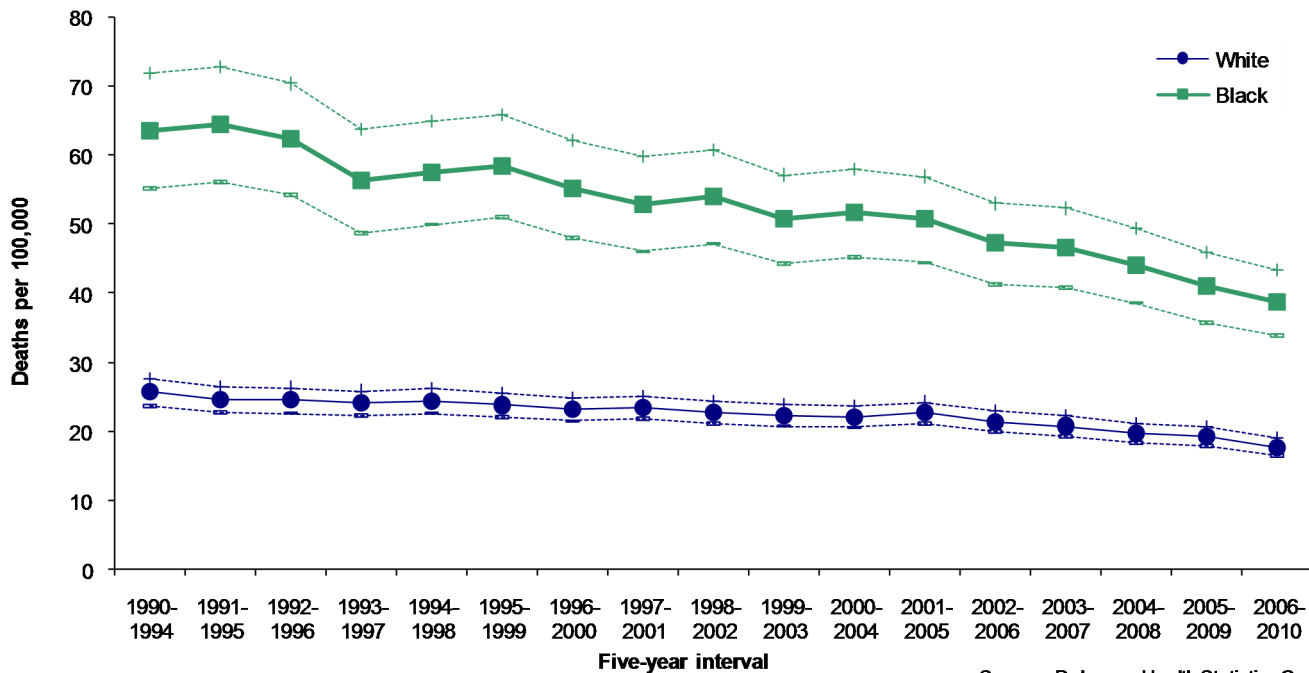


Source: Delaware Health Statistics Center

## MORTALITY

Though black mortality rates for diabetes have declined nearly 40 percent since 1990-1994, their rates were more than double that of whites in 2006-2010.

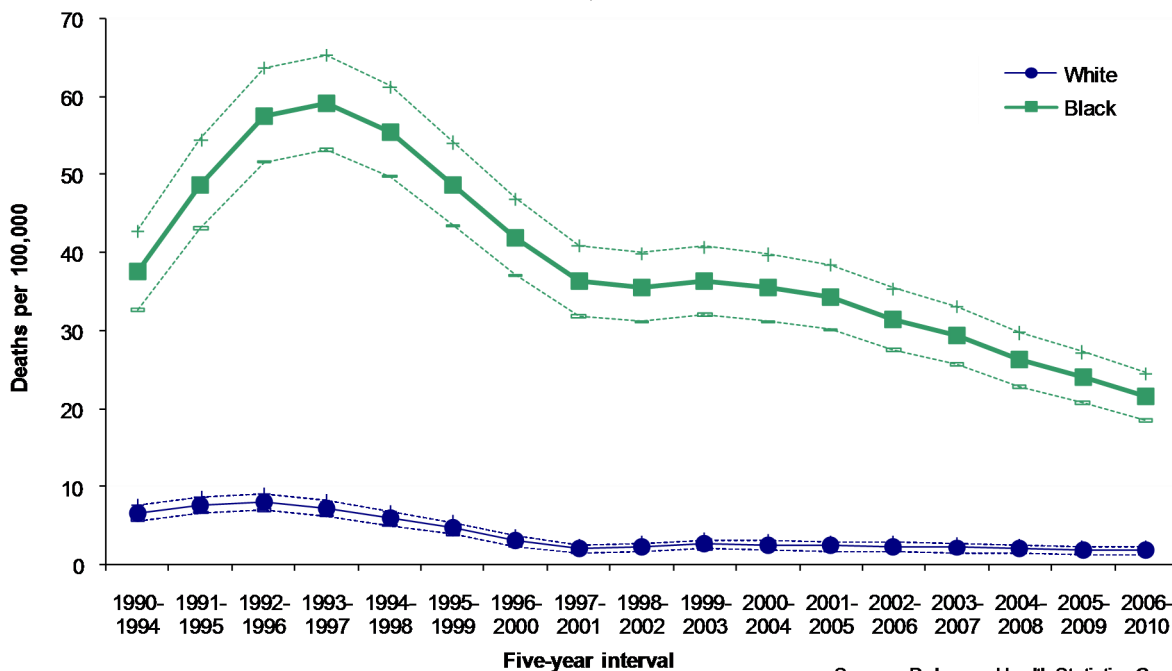
**Five-year Age-adjusted Diabetes Mortality Rates by Race  
Delaware, 1990-2010**



Source: Delaware Health Statistics Center

HIV/AIDS mortality has disproportionately affected Delaware's black population. Despite black HIV/AIDS mortality rates decreasing significantly since the 1993-1997 peak, their 2006-2010 mortality rate of 21.6 deaths per 100,000 was nearly 12 times that of whites. Though they made up only 21.5 percent of the total Delaware population in

**Five-year Age-adjusted HIV/AIDS Mortality Rates by Race  
Delaware, 1990-2010**

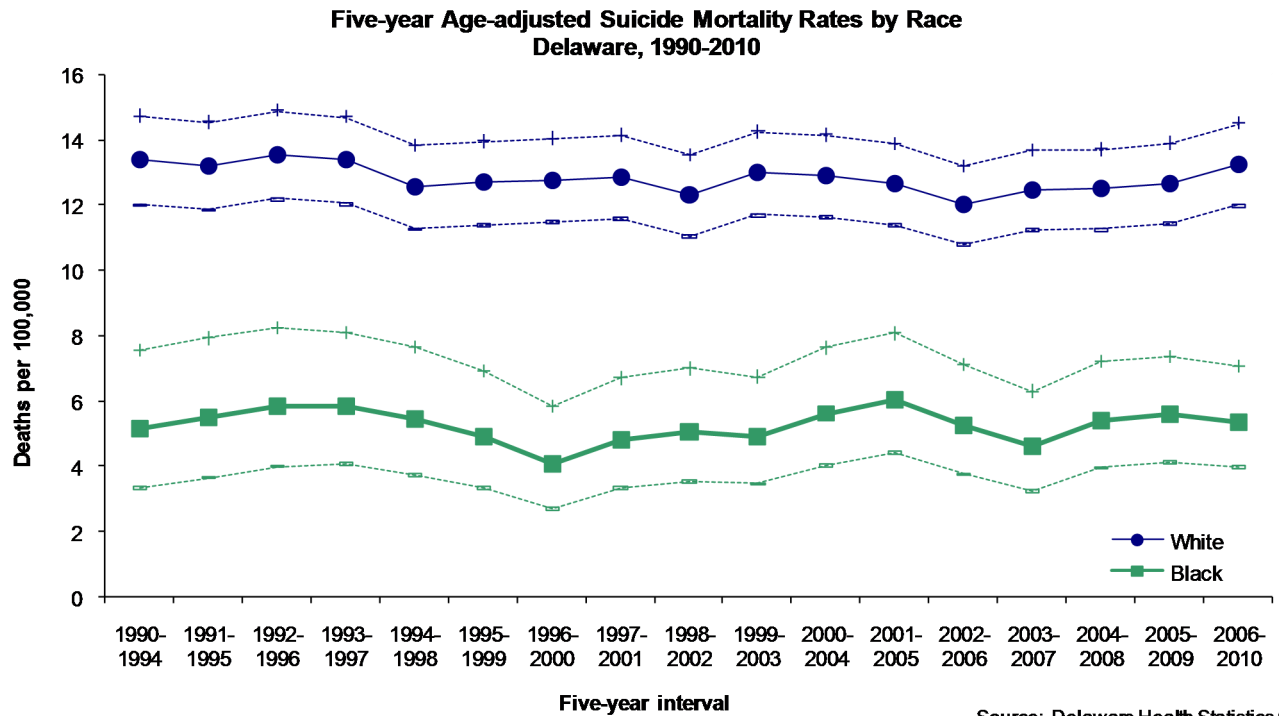


In 2006-2010, HIV was the eighth leading cause of death for black Delawareans; it ranked eighth for black males and seventh for black females.

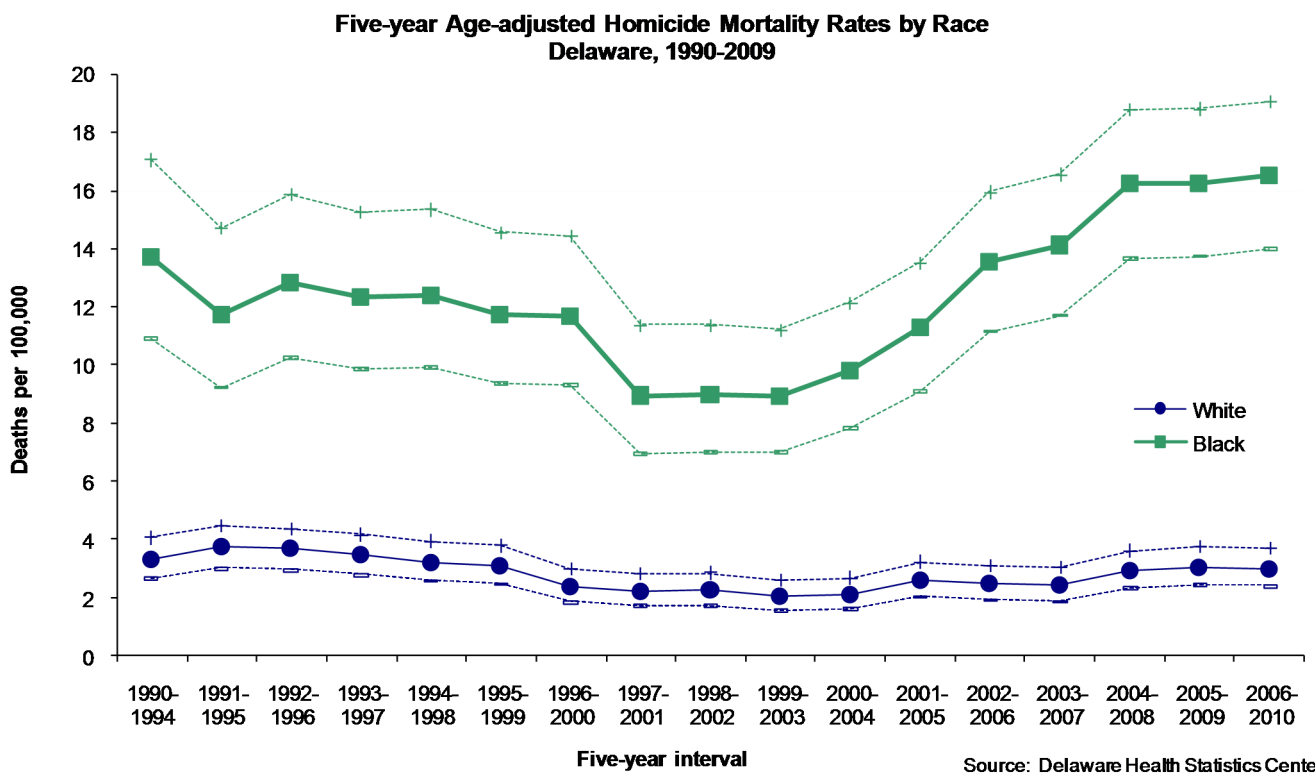
Source: Delaware Health Statistics Center

## MORTALITY

Suicide mortality trends for both black and white populations changed little between 1990-1994 and 2006-2010, with the white rate (13.3) remaining more than double that of the black rate (5.4).



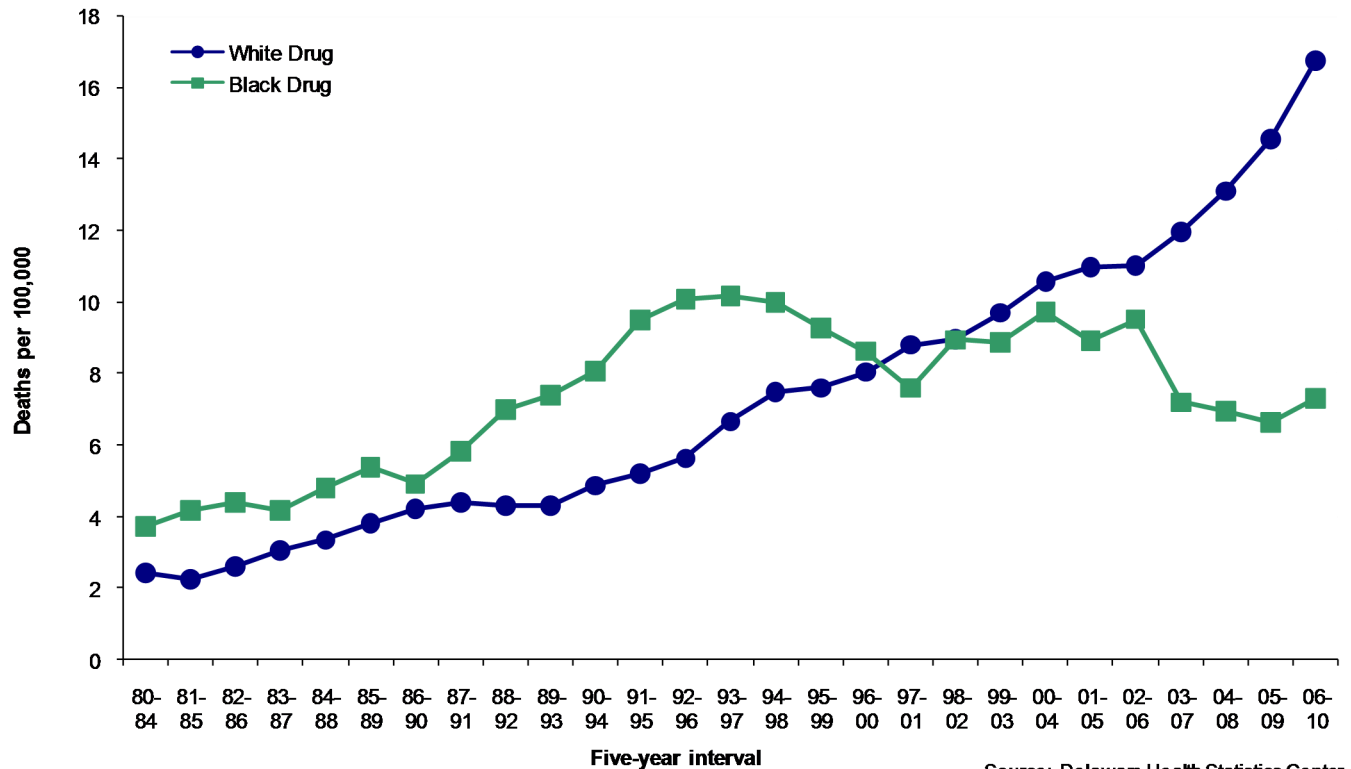
After declining throughout most of the 1990s and reaching their lowest point in 1999-2003, homicide mortality rates have risen 73 percent. The majority of the increase was due to an 85 percent increase in black homicide mortality rates; white homicide mortality rates rose 47 percent during the same time period. In 2006-2010, black and white homicide mortality rates were 16.5 and 3 deaths per 100,000 population, respectively.



## MORTALITY

Though black mortality rates for drug-induced deaths were historically higher than white rates, in 1994-1998 they began a four-year decline that moved them just below white rates by 1997-2001. Since then, white mortality rates have remained higher and continued to rise. By 2006-2010, the white drug-induced mortality rate (16.8) was more than twice the black rate (7.3).

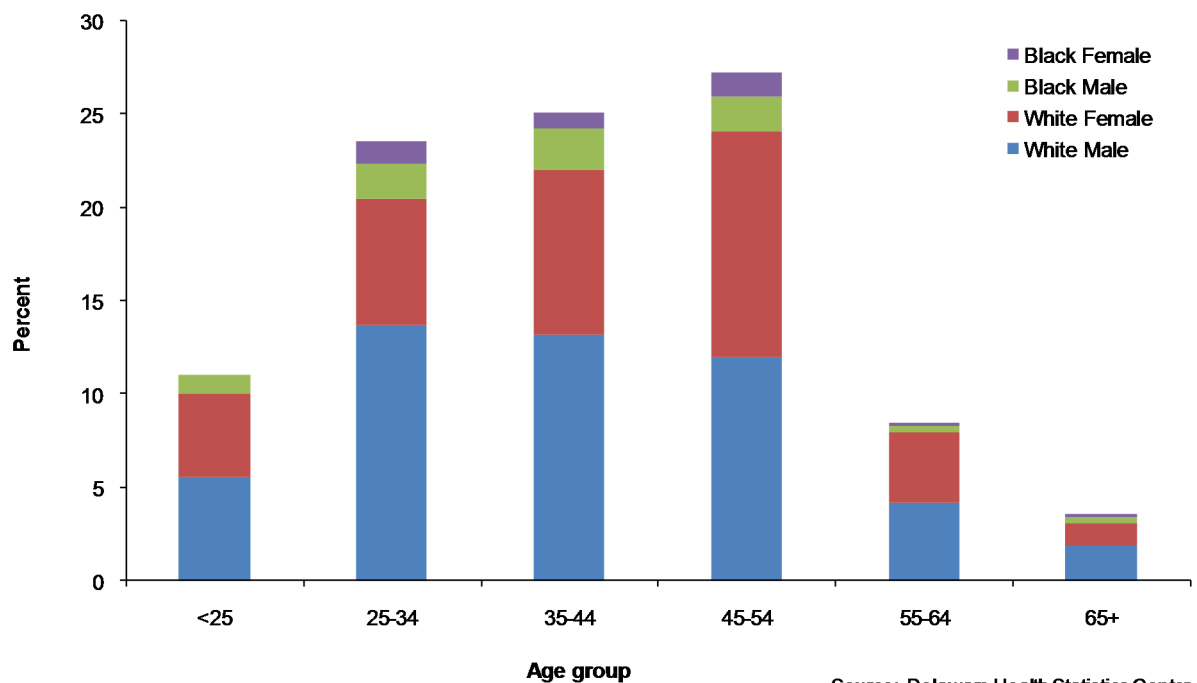
**Five-year Age-adjusted Mortality Rates for Drug-Induced Deaths by Race  
Delaware, 1980-2010**



Source: Delaware Health Statistics Center

**Distribution of Drug-induced Deaths by Race, Sex, and Age Group  
Delaware, 2006-2010**

In 2006-2010, 51 percent of all drug-induced deaths were white males. Of all the race-age groups, white males ages 25-34 were responsible for the single largest proportion (13.7 percent) of drug-induced deaths.



Source: Delaware Health Statistics Center



TABLE F-1  
NUMBER OF DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1997-2010

Area/ Race	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>U.S.</b>														
All Races	2314245	2337256	2391399	2403351	2416425	2443387	2448288	2397615	2448017	2426264	2423712	2471984	2437163	2465936
White	1996393	2015984	2061348	2071287	2079691	2102589	2103714	2056643	2098097	2077549	2074151	2120233	2086355	2112458
Black	276520	278440	285064	285826	287709	290051	291300	287315	292808	289971	289585	289072	286623	286800
Other	41332	42832	44987	46238	49025	50747	53274	53657	57112	58744	59976	62679	64185	66678
<b>Delaware</b>														
All Races	6510	6577	6669	6872	7114	6860	7067	7124	7424	7144	7246	7602	7498	7667
White	5449	5453	5555	5696	5886	5694	5782	5862	6129	5856	5985	6309	6113	6274
Black	1014	1086	1072	1131	1180	1111	1241	1204	1235	1225	1181	1217	1270	1258
Other	47	38	42	45	48	55	44	58	60	63	80	76	115	135
<b>Kent</b>														
All Races	998	1015	1102	1022	1102	1113	1114	1154	1250	1219	1255	1367	1379	1345
White	837	835	924	822	900	916	878	948	1017	967	1018	1133	1096	1080
Black	147	173	167	184	194	187	224	193	224	234	219	220	263	231
Other	14	7	11	16	8	10	12	13	9	18	18	14	20	34
<b>New Castle</b>														
All Races	3951	4030	3931	4111	4234	3996	4129	4146	4229	4039	4101	4290	4100	4221
White	3250	3281	3217	3350	3435	3244	3299	3324	3381	3212	3294	3441	3234	3316
Black	677	731	692	741	774	718	809	793	809	794	771	802	799	828
Other	24	18	22	20	25	34	21	29	39	33	36	47	67	77
Wilmington														
All Races	864	850	789	826	850	779	843	782	765	728	705	726	692	713
White	479	423	395	430	421	392	413	358	362	337	345	334	329	294
Black	383	425	392	394	425	380	430	419	401	385	359	389	360	406
Other	2	2	2	2	4	7	0	5	2	6	1	3	3	13
Balance of NC County														
All Races	3087	3180	3142	3285	3384	3217	3286	3364	3464	3311	3396	3564	3408	3508
White	2771	2858	2822	2920	3014	2852	2886	2966	3019	2875	2949	3107	2905	3022
Black	294	306	300	347	349	338	379	374	408	409	412	413	439	422
Other	22	16	20	18	21	27	21	24	37	27	35	44	64	64
<b>Sussex</b>														
All Races	1561	1532	1636	1739	1778	1751	1824	1824	1945	1886	1890	1945	2019	2101
White	1362	1337	1414	1524	1551	1534	1605	1590	1731	1677	1673	1735	1783	1878
Black	190	182	213	206	212	206	208	218	202	197	191	195	208	199
Other	9	13	9	9	15	11	11	16	12	12	26	15	28	24

NDRACE

**Note:**  
2010 US data are preliminary numbers from NCHS.

**Sources:**  
Delaware Health Statistics Center  
National Center for Health Statistics

TABLE F-2  
NUMBER OF DEATHS BY AGE, RACE, AND HISPANIC ORIGIN  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Age	Race									Hispanic Origin <sup>2</sup>
	All Races	White	Black	American Indian <sup>1</sup>	Asian or Pacific Islander (API)				All Other	
					Chinese	Japanese	Filipino	Other API		
<b>Delaware</b>	7667	6274	1258	10	10	3	9	25	78	142
<1	88	47	36	0	0	0	0	1	4	11
1-4	4	3	1	0	0	0	0	0	0	0
5-14	14	8	5	0	0	0	0	0	1	1
15-24	97	67	29	0	0	0	0	0	1	6
25-34	129	86	39	0	0	0	0	0	4	13
35-44	233	165	61	1	0	0	0	3	3	7
45-54	622	451	159	0	1	0	0	3	8	17
55-64	956	716	216	1	0	0	0	5	18	19
65-74	1307	1036	248	5	2	0	2	5	9	16
75+	4217	3695	464	3	7	3	7	8	30	52
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	1345	1080	231	2	0	2	2	4	24	25
<1	15	12	3	0	0	0	0	0	0	1
1-4	0	0	0	0	0	0	0	0	0	0
5-14	5	4	1	0	0	0	0	0	0	0
15-24	19	16	2	0	0	0	0	0	1	0
25-34	21	14	6	0	0	0	0	0	1	1
35-44	51	40	11	0	0	0	0	0	0	1
45-54	117	84	33	0	0	0	0	0	0	4
55-64	187	140	37	0	0	0	0	2	8	4
65-74	252	198	50	1	0	0	1	1	1	2
75+	678	572	88	1	0	2	1	1	13	12
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	4221	3316	828	1	9	1	5	20	41	90
<1	58	24	30	0	0	0	0	1	3	9
1-4	2	1	1	0	0	0	0	0	0	0
5-14	6	3	2	0	0	0	0	0	1	1
15-24	61	35	26	0	0	0	0	0	0	5
25-34	80	54	23	0	0	0	0	0	3	10
35-44	142	91	46	0	0	0	0	3	2	5
45-54	357	247	103	0	1	0	0	3	3	11
55-64	534	366	154	1	0	0	0	3	10	13
65-74	645	478	156	0	1	0	1	3	6	11
75+	2336	2017	287	0	7	1	4	7	13	25
Unknown	0	0	0	0	0	0	0	0	0	0
Wilmington	713	294	406	0	1	0	0	1	11	28
<1	18	4	13	0	0	0	0	0	1	4
1-4	0	0	0	0	0	0	0	0	0	0
5-14	2	0	2	0	0	0	0	0	0	0
15-24	12	2	10	0	0	0	0	0	0	1
25-34	22	9	11	0	0	0	0	0	2	4
35-44	34	10	23	0	0	0	0	0	1	1
45-54	81	20	60	0	0	0	0	1	0	2
55-64	106	29	73	0	0	0	0	0	4	6
65-74	117	40	75	0	0	0	0	0	2	7
75+	321	180	139	0	1	0	0	0	1	3
Unknown	0	0	0	0	0	0	0	0	0	0
Balance of NC County	3508	3022	422	1	8	1	5	19	30	62
<1	40	20	17	0	0	0	0	1	2	5
1-4	2	1	1	0	0	0	0	0	0	0
5-14	4	3	0	0	0	0	0	0	1	1
15-24	49	33	16	0	0	0	0	0	0	4
25-34	58	45	12	0	0	0	0	0	1	6
35-44	108	81	23	0	0	0	0	3	1	4
45-54	276	227	43	0	1	0	0	2	3	9
55-64	428	337	81	1	0	0	0	3	6	7
65-74	528	438	81	0	1	0	1	3	4	4
75+	2015	1837	148	0	6	1	4	7	12	22
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2101	1878	199	7	1	0	2	1	13	27
<1	15	11	3	0	0	0	0	0	1	1
1-4	2	2	0	0	0	0	0	0	0	0
5-14	3	1	2	0	0	0	0	0	0	0
15-24	17	16	1	0	0	0	0	0	0	1
25-34	28	18	10	0	0	0	0	0	0	2
35-44	40	34	4	1	0	0	0	0	1	1
45-54	148	120	23	0	0	0	0	0	5	2
55-64	235	210	25	0	0	0	0	0	0	2
65-74	410	360	42	4	1	0	0	1	2	3
75+	1203	1106	89	2	0	0	2	0	4	15
Unknown	0	0	0	0	0	0	0	0	0	0

DETRACE

**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 Health Statistics Center

TABLE F-3  
NUMBER OF DEATHS BY AGE AND RACE  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

**(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	7667	88	4	5	9	33	64	129	233	622	956	1307	4217	0
White	6274	47	3	3	5	23	44	86	165	451	716	1036	3695	0
Black	1258	36	1	2	3	9	20	39	61	159	216	248	464	0
Other	135	5	0	0	1	1	0	4	7	12	24	23	58	0
<b>Kent</b>														
All Races	1345	15	0	2	3	4	15	21	51	117	187	252	678	0
White	1080	12	0	2	2	1	15	14	40	84	140	198	572	0
Black	231	3	0	0	1	2	0	6	11	33	37	50	88	0
Other	34	0	0	0	0	1	0	1	0	0	10	4	18	0
<b>New Castle</b>														
All Races	4221	58	2	2	4	22	39	80	142	357	534	645	2336	0
White	3316	24	1	1	2	15	20	54	91	247	366	478	2017	0
Black	828	30	1	1	1	7	19	23	46	103	154	156	287	0
Other	77	4	0	0	1	0	0	3	5	7	14	11	32	0
<b>Wilmington</b>														
All Races	713	18	0	1	1	4	8	22	34	81	106	117	321	0
White	294	4	0	0	0	1	1	9	10	20	29	40	180	0
Black	406	13	0	1	1	3	7	11	23	60	73	75	139	0
Other	13	1	0	0	0	0	0	2	1	1	4	2	2	0
<b>Balance of NC County</b>														
All Races	3508	40	2	1	3	18	31	58	108	276	428	528	2015	0
White	3022	20	1	1	2	14	19	45	81	227	337	438	1837	0
Black	422	17	1	0	0	4	12	12	23	43	81	81	148	0
Other	64	3	0	0	1	0	0	1	4	6	10	9	30	0
<b>Sussex</b>														
All Races	2101	15	2	1	2	7	10	28	40	148	235	410	1203	0
White	1878	11	2	0	1	7	9	18	34	120	210	360	1106	0
Black	199	3	0	1	1	0	1	10	4	23	25	42	89	0
Other	24	1	0	0	0	0	0	0	2	5	0	8	8	0

Source:  
Delaware Health Statistics Center

NDAGERAC

TABLE F-4  
NUMBER OF DEATHS BY AGE AND RACE  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

**(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	3865	46	1	4	7	21	47	89	138	383	566	768	1795	0
White	3107	22	1	2	4	16	29	57	96	278	426	598	1578	0
Black	682	20	0	2	3	5	18	28	38	97	121	153	197	0
Other	76	4	0	0	0	0	0	4	4	8	19	17	20	0
<b>Kent</b>														
All Races	714	8	0	1	2	0	10	16	28	74	106	155	314	0
White	563	6	0	1	1	0	10	9	22	50	80	122	262	0
Black	132	2	0	0	1	0	0	6	6	24	18	31	44	0
Other	19	0	0	0	0	0	0	1	0	0	8	2	8	0
<b>New Castle</b>														
All Races	2080	31	0	2	3	15	29	60	82	213	317	382	946	0
White	1585	12	0	1	2	10	12	39	51	148	213	275	822	0
Black	454	16	0	1	1	5	17	18	29	60	93	98	116	0
Other	41	3	0	0	0	0	0	3	2	5	11	9	8	0
<b>Wilmington</b>														
All Races	350	10	0	1	1	4	6	20	24	47	56	73	108	0
White	122	3	0	0	0	1	0	8	7	10	13	25	55	0
Black	219	6	0	1	1	3	6	10	17	36	40	47	52	0
Other	9	1	0	0	0	0	0	2	0	1	3	1	1	0
<b>Balance of NC County</b>														
All Races	1730	21	0	1	2	11	23	40	58	166	261	309	838	0
White	1463	9	0	1	2	9	12	31	44	138	200	250	767	0
Black	235	10	0	0	0	2	11	8	12	24	53	51	64	0
Other	32	2	0	0	0	0	0	1	2	4	8	8	7	0
<b>Sussex</b>														
All Races	1071	7	1	1	2	6	8	13	28	96	143	231	535	0
White	959	4	1	0	1	6	7	9	23	80	133	201	494	0
Black	96	2	0	1	1	0	1	4	3	13	10	24	37	0
Other	16	1	0	0	0	0	0	0	2	3	0	6	4	0

Source:  
Delaware Health Statistics Center

NDRCAGML

TABLE F-5  
NUMBER OF DEATHS BY AGE AND RACE  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

(FEMALES)

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	3802	42	3	1	2	12	17	40	95	239	390	539	2422	0
White	3167	25	2	1	1	7	15	29	69	173	290	438	2117	0
Black	576	16	1	0	0	4	2	11	23	62	95	95	267	0
Other	59	1	0	0	1	1	0	0	3	4	5	6	38	0
<b>Kent</b>														
All Races	631	7	0	1	1	4	5	5	23	43	81	97	364	0
White	517	6	0	1	1	1	5	5	18	34	60	76	310	0
Black	99	1	0	0	0	2	0	0	5	9	19	19	44	0
Other	15	0	0	0	0	1	0	0	0	0	2	2	10	0
<b>New Castle</b>														
All Races	2141	27	2	0	1	7	10	20	60	144	217	263	1390	0
White	1731	12	1	0	0	5	8	15	40	99	153	203	1195	0
Black	374	14	1	0	0	2	2	5	17	43	61	58	171	0
Other	36	1	0	0	1	0	0	0	3	2	3	2	24	0
<b>Wilmington</b>														
All Races	363	8	0	0	0	0	2	2	10	34	50	44	213	0
White	172	1	0	0	0	0	1	1	3	10	16	15	125	0
Black	187	7	0	0	0	0	1	1	6	24	33	28	87	0
Other	4	0	0	0	0	0	0	0	1	0	1	1	1	0
<b>Balance of NC County</b>														
All Races	1778	19	2	0	1	7	8	18	50	110	167	219	1177	0
White	1559	11	1	0	0	5	7	14	37	89	137	188	1070	0
Black	187	7	1	0	0	2	1	4	11	19	28	30	84	0
Other	32	1	0	0	1	0	0	0	2	2	2	1	23	0
<b>Sussex</b>														
All Races	1030	8	1	0	0	1	2	15	12	52	92	179	668	0
White	919	7	1	0	0	1	2	9	11	40	77	159	612	0
Black	103	1	0	0	0	0	0	6	1	10	15	18	52	0
Other	8	0	0	0	0	0	0	0	0	2	0	2	4	0

Source:  
Delaware Health Statistics Center

NDRCAGFE

TABLE F-6  
MORTALITY TRENDS BY RACE, ETHNICITY, GENDER, AND AGE  
DELAWARE, 2000-2010

CHARACTERISTIC	Year											
	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
<b>Resident Deaths</b>												
Number	6872	7114	6860	7067	7124	7424	7144	7246	7602	7498	7667	
Crude Rate	873.8	894.9	852.9	867.6	862.2	886.1	840.7	841.5	872.2	847.1	852.1	
AADR <sup>2</sup>	881.5	891.1	837.6	837.0	815.7	820.1	764.3	749.2	762.4	730.3	727.8	
<b>Decedent's Race/Ethnicity</b>												
White	Number	5696	5886	5694	5782	5862	6129	5856	5985	6309	6113	6274
	Percent	82.9%	82.7%	83.0%	81.8%	82.3%	82.6%	82.0%	82.6%	83.0%	81.5%	81.8%
	AADR <sup>2</sup>	847.9	856.3	809.7	798.0	785.6	793.0	736.8	727.8	744.5	708.1	718.2
Black	Number	1131	1180	1111	1241	1204	1235	1225	1181	1217	1270	1258
	Percent	16.5%	16.6%	16.2%	17.6%	16.9%	16.6%	17.1%	16.3%	16.0%	16.9%	16.4%
	AADR <sup>2</sup>	1089.7	1088.3	1000.3	1076.7	1019.6	992.2	922.8	877.9	860.9	851.3	834.4
Hispanic <sup>1</sup>	Number	101	90	95	105	121	121	126	178	189	164	142
	Percent	1.5%	1.3%	1.4%	1.5%	1.7%	1.6%	1.8%	2.5%	2.5%	2.2%	1.9%
	AADR <sup>2</sup>	762.4	612.7	622.7	594.1	688.5	580.4	485.1	749.9	747.2	635.4	550.0
<b>Decedent's Gender</b>												
Female	Number	3503	3663	3486	3559	3517	3746	3590	3614	3850	3782	3802
	Percent	51.0%	51.5%	50.8%	50.4%	49.4%	50.5%	50.3%	49.9%	50.6%	50.4%	49.6%
	AADR <sup>2</sup>	749.5	769.8	712.6	706.3	679.6	694.7	647.4	629.4	651.6	622.0	610.8
Male	Number	3369	3451	3374	3508	3607	3678	3554	3632	3752	3716	3865
	Percent	49.0%	48.5%	49.2%	49.6%	50.6%	49.5%	49.7%	50.1%	49.4%	49.6%	50.4%
	AADR <sup>2</sup>	1055.0	1056.1	1002.6	1001.3	1001.1	981.5	910.4	898.0	900.4	863.1	869.9
<b>Decedent's age</b>												
<1	Number	102	114	96	107	97	106	99	91	101	91	88
	Percent	1.5%	1.6%	1.4%	1.5%	1.4%	1.4%	1.4%	1.3%	1.3%	1.2%	1.1%
1-14	Number	41	31	39	22	44	26	20	15	23	27	18
	Percent	0.6%	0.4%	0.6%	0.3%	0.6%	0.4%	0.3%	0.2%	0.3%	0.4%	0.2%
15-24	Number	85	86	85	101	97	78	92	88	91	92	97
	Percent	1.2%	1.2%	1.2%	1.4%	1.4%	1.1%	1.3%	1.2%	1.2%	1.2%	1.3%
25-44	Number	426	427	403	389	387	375	427	385	400	359	362
	Percent	6.2%	6.0%	5.9%	5.5%	5.4%	5.1%	6.0%	5.3%	5.3%	4.8%	4.7%
45-64	Number	1168	1276	1214	1327	1338	1406	1410	1418	1552	1529	1578
	Percent	17.0%	17.9%	17.7%	18.8%	18.8%	18.9%	19.7%	19.6%	20.4%	20.4%	20.6%
65-74	Number	1332	1339	1276	1244	1310	1272	1232	1238	1276	1313	1307
	Percent	19.4%	18.8%	18.6%	17.6%	18.4%	17.1%	17.2%	17.1%	16.8%	17.5%	17.0%
75-84	Number	1991	2139	2061	2096	2039	2160	1960	2022	2043	1944	1976
	Percent	29.0%	30.1%	30.0%	29.7%	28.6%	29.1%	27.4%	27.9%	26.9%	25.9%	25.8%
85+	Number	1727	1702	1686	1781	1812	2001	1904	1985	2116	2143	2241
	Percent	25.1%	23.9%	24.6%	25.2%	25.4%	27.0%	26.7%	27.4%	27.8%	28.6%	29.2%

MORTREND

**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 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, 2010

Cause of Death <sup>1</sup>	Deaths		Median Age at Death	
	Number	Percent	Male	Female
<b>All causes</b>	7,667	100.0	73	81
<b>Malignant neoplasms</b>	1,895	24.7	72	72
<b>Diseases of heart</b>	1,761	23.0	76	84
<b>Chronic lower respiratory diseases</b>	441	5.8	78	81
<b>Dementia</b>	438	5.7	85	89
<b>Cerebrovascular diseases</b>	408	5.3	79	85
<b>Accidents (unintentional injuries)</b>	354	4.6	47	48
<b>Alzheimer's disease</b>	217	2.8	85	86
<b>Diabetes mellitus</b>	197	2.6	65	80
<b>Nephritis, nephrotic syndrome &amp; nephrosis</b>	157	2.0	78	78
<b>Influenza &amp; pneumonia</b>	138	1.8	80	86
<b>Septicemia</b>	111	1.4	77	75
<b>Intentional self-harm (suicide)</b>	106	1.4	46	48
<b>Chronic liver disease &amp; cirrhosis</b>	92	1.2	56	65
<b>Other diseases of respiratory system</b>	89	1.2	76	83
<b>Other diseases of circulatory system</b>	76	1.0	76	85
<b>Essential (primary) hypertension &amp; hypertensive renal disease</b>	62	0.8	73	87
<b>Assault</b>	58	0.8	28	29
<b>Parkinson's disease</b>	57	0.7	83	81
<b>Certain other intestinal infections</b>	48	0.6	79	81
<b>In situ and benign neoplasms, &amp; neoplasms of unk behavior</b>	47	0.6	77	77
<b>Alcohol-induced deaths<sup>2</sup></b>	73	1.0	55	49
<b>Drug-induced deaths<sup>2</sup></b>	146	1.9	42	44

LCODARBS

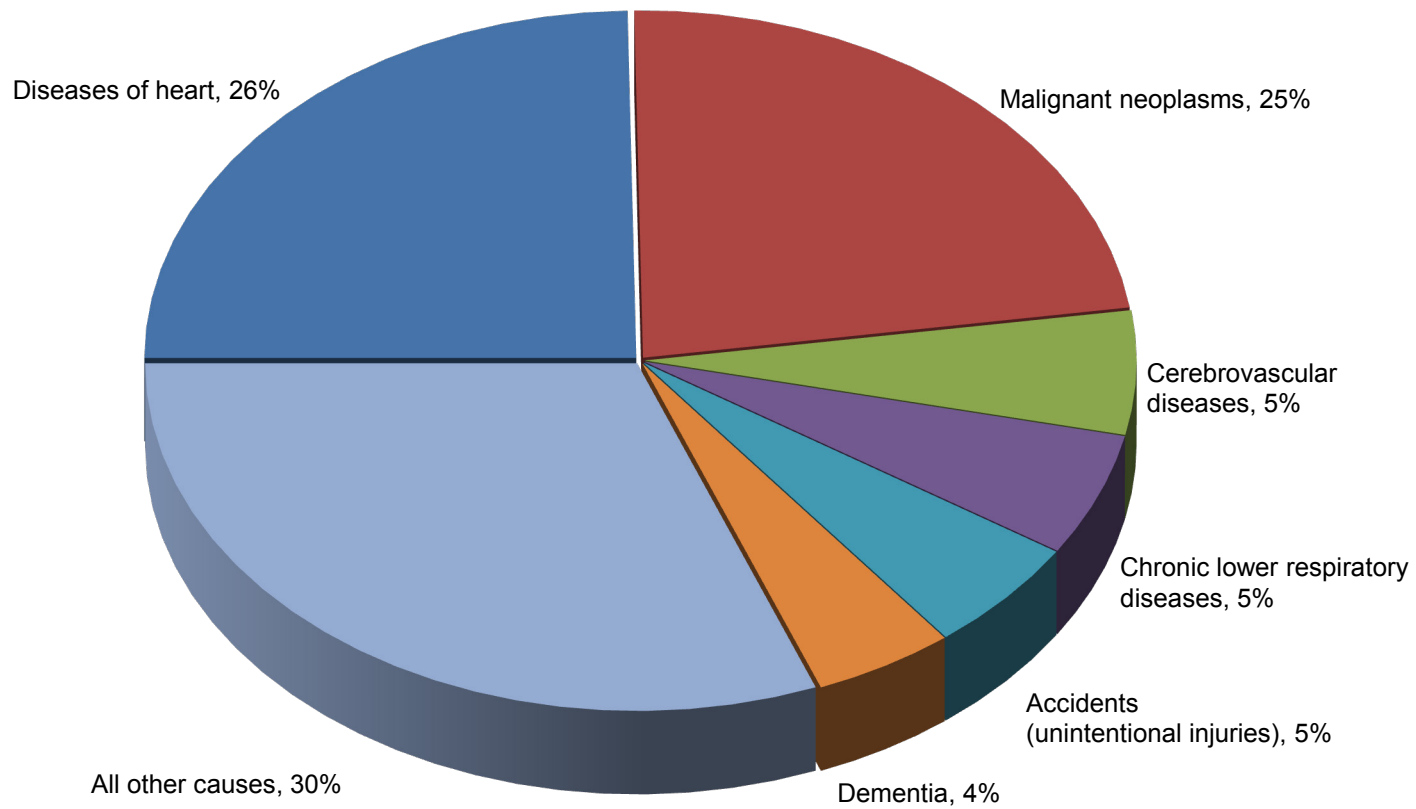
**Notes:**

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 Health Statistics Center

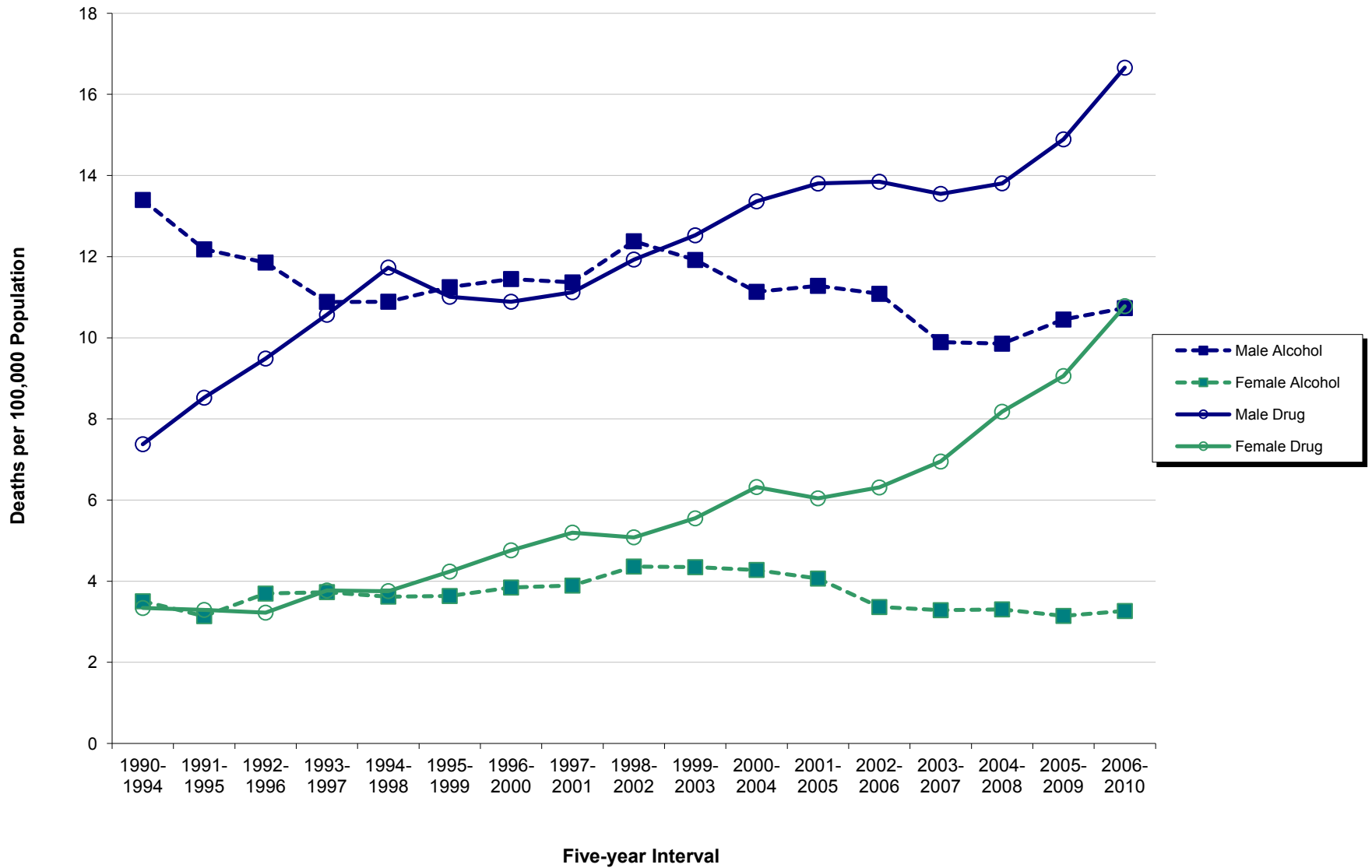
**Figure F-1**  
**Leading Causes of Death**  
**Delaware, 2010**



**Source:** Delaware Health Statistics Center



**Figure F-2**  
**Five-year Age-adjusted Drug- and Alcohol-Induced Mortality Rates by Sex**  
**Delaware, 1990-2010**



Source: Delaware Health Statistics Center

TABLE F-8  
LEADING CAUSES OF DEATH  
COUNTIES AND CITY OF WILMINGTON, 2006-2010

**Kent**

Cause of Death*	Deaths	
	#	%
Diseases of heart	1797	27.4
Malignant neoplasms	1633	24.9
Chronic lower respiratory diseases	418	6.4
Cerebrovascular diseases	295	4.5
Accidents (unintentional injuries)	288	4.4
Diabetes mellitus	208	3.2
Alzheimer's disease	150	2.3
Septicemia	140	2.1
Nephritis, nephrotic syndrome & nephrosis	127	1.9
Influenza & pneumonia	114	1.7
Intentional self-harm (suicide)	89	1.4
Chronic liver disease & cirrhosis	76	1.2
Essential hypertension & hypertensive renal disease	57	0.9
Human immunodeficiency virus (HIV) disease	43	0.7
Benign neoplasms & neoplasms of uncertain behavior	40	0.6
Parkinson's disease	38	0.6
All other causes	1052	16.0
<b>Total</b>	<b>6565</b>	<b>100.0</b>

**New Castle**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	5010	24.1
Diseases of heart	4746	22.9
Cerebrovascular diseases	1193	5.7
Chronic lower respiratory diseases	1086	5.2
Accidents (unintentional injuries)	929	4.5
Diabetes mellitus	578	2.8
Nephritis, nephrotic syndrome & nephrosis	503	2.4
Alzheimer's disease	472	2.3
Influenza & pneumonia	371	1.8
Septicemia	330	1.6
Intentional self-harm (suicide)	279	1.3
Chronic liver disease & cirrhosis	215	1.0
Assault (homicide)	198	1.0
Certain conditions originating in the perinatal period	187	0.9
Human immunodeficiency virus (HIV) disease	180	0.9
Parkinson's disease	149	0.7
All other causes	4325	20.8
<b>Total</b>	<b>20751</b>	<b>100.0</b>

**City of Wilmington**

Cause of Death*	Deaths	
	#	%
Diseases of heart	827	23.2
Malignant neoplasms	697	19.6
Cerebrovascular diseases	245	6.9
Chronic lower respiratory diseases	165	4.6
Accidents (unintentional injuries)	139	3.9
Diabetes mellitus	136	3.8
Human immunodeficiency virus (HIV) disease	116	3.3
Nephritis, nephrotic syndrome & nephrosis	98	2.7
Assault (homicide)	89	2.5
Influenza & pneumonia	54	1.5
Septicemia	51	1.4
Certain conditions originating in the perinatal period	50	1.4
Alzheimer's disease	50	1.4
Chronic liver disease & cirrhosis	46	1.3
Essential hypertension & hypertensive renal disease	37	1.0
Intentional self-harm (suicide)	30	0.8
All other causes	734	20.6
<b>Total</b>	<b>3564</b>	<b>100.0</b>

**Sussex**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	2555	26.0
Diseases of heart	2518	25.6
Chronic lower respiratory diseases	555	5.6
Accidents (unintentional injuries)	449	4.6
Cerebrovascular diseases	444	4.5
Alzheimer's disease	350	3.6
Diabetes mellitus	247	2.5
Nephritis, nephrotic syndrome & nephrosis	203	2.1
Influenza & pneumonia	168	1.7
Intentional self-harm (suicide)	132	1.3
Chronic liver disease & cirrhosis	127	1.3
Septicemia	124	1.3
Pneumonitis due to solids & liquids	89	0.9
Parkinson's disease	74	0.8
Benign neoplasms & neoplasms of uncertain behavior	64	0.7
Essential hypertension & hypertensive renal disease	60	0.6
All other causes	1682	17.1
<b>Total</b>	<b>9841</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 Health Statistics Center

LCODCTWL

TABLE F-9  
TEN LEADING CAUSES OF DEATH BY SEX AND RACE GROUP  
DELAWARE, 2006-2010

All Races, Male

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4818	26.0
Diseases of heart	4650	25.1
Accidents (unintentional injuries)	1071	5.8
Chronic lower respiratory diseases	929	5.0
Cerebrovascular diseases	750	4.0
Diabetes mellitus	526	2.8
Nephritis, nephrotic syndrome & nephrosis	414	2.2
Intentional self-harm (suicide)	400	2.2
Influenza & pneumonia	320	1.7
Alzheimer's disease	298	1.6
All other causes	4343	23.5
<b>Total</b>	<b>18519</b>	<b>100.0</b>

All Races, Female

Cause of Death*	Deaths	
	#	%
Diseases of heart	4411	23.7
Malignant neoplasms	4380	23.5
Cerebrovascular diseases	1182	6.3
Chronic lower respiratory diseases	1130	6.1
Alzheimer's disease	674	3.6
Accidents (unintentional injuries)	595	3.2
Diabetes mellitus	507	2.7
Nephritis, nephrotic syndrome & nephrosis	419	2.2
Influenza & pneumonia	333	1.8
Septicemia	327	1.8
All other causes	4680	25.1
<b>Total</b>	<b>18638</b>	<b>100.0</b>

White, Both Sexes

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	7647	25.0
Diseases of heart	7579	24.8
Chronic lower respiratory diseases	1845	6.0
Cerebrovascular diseases	1555	5.1
Accidents (unintentional injuries)	1408	4.6
Alzheimer's disease	865	2.8
Diabetes mellitus	750	2.5
Nephritis, nephrotic syndrome & nephrosis	611	2.0
Influenza & pneumonia	566	1.9
Septicemia	456	1.5
All other causes	7255	23.8
<b>Total</b>	<b>30537</b>	<b>100.0</b>

Black, Both Sexes

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	1427	23.2
Diseases of heart	1382	22.5
Cerebrovascular diseases	356	5.8
Diabetes mellitus	263	4.3
Accidents (unintentional injuries)	228	3.7
Nephritis, nephrotic syndrome & nephrosis	211	3.4
Chronic lower respiratory diseases	203	3.3
Human immunodeficiency virus (HIV) disease	194	3.2
Assault (homicide)	167	2.7
Certain conditions originating in the perinatal period	144	2.3
All other causes	1576	25.6
<b>Total</b>	<b>6151</b>	<b>100.0</b>

LCODMFWB

Hispanic, Both Sexes

Cause of Death*	Deaths	
	#	%
Diseases of heart	137	17.1
Malignant neoplasms	133	16.6
Accidents (unintentional injuries)	99	12.4
Cerebrovascular diseases	41	5.1
Diabetes mellitus	30	3.8
Chronic lower respiratory diseases	28	3.5
Certain conditions originating in the perinatal period	27	3.4
Assault (homicide)	26	3.3
Intentional self-harm (suicide)	19	2.4
Congenital malformations (birth defects)	19	2.4
All other causes	240	30.0
<b>Total</b>	<b>799</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 Health Statistics Center

TABLE F-10  
TEN LEADING CAUSES OF DEATH BY RACE-SEX GROUP  
DELAWARE, 2006-2010

**White Male**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4023	26.6
Diseases of heart	3882	25.7
Accidents (unintentional injuries)	897	5.9
Chronic lower respiratory diseases	813	5.4
Cerebrovascular diseases	571	3.8
Diabetes mellitus	389	2.6
Intentional self-harm (suicide)	350	2.3
Nephritis, nephrotic syndrome & nephrosis	302	2.0
Influenza & pneumonia	273	1.8
Alzheimer's disease	270	1.8
All other causes	3327	22.0
<b>Total</b>	<b>15097</b>	<b>100.0</b>

**White Females**

Cause of Death*	Deaths	
	#	%
Diseases of heart	3697	23.9
Malignant neoplasms	3624	23.5
Chronic lower respiratory diseases	1032	6.7
Cerebrovascular diseases	984	6.4
Alzheimer's disease	595	3.9
Accidents (unintentional injuries)	511	3.3
Diabetes mellitus	361	2.3
Nephritis, nephrotic syndrome & nephrosis	309	2.0
Influenza & pneumonia	293	1.9
Septicemia	246	1.6
All other causes	3788	24.5
<b>Total</b>	<b>15440</b>	<b>100.0</b>

**Black Males**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	737	23.2
Diseases of heart	717	22.5
Cerebrovascular diseases	169	5.3
Assault (homicide)	152	4.8
Accidents (unintentional injuries)	150	4.7
Diabetes mellitus	126	4.0
Chronic lower respiratory diseases	109	3.4
Human immunodeficiency virus (HIV) disease	108	3.4
Nephritis, nephrotic syndrome & nephrosis	106	3.3
Certain conditions originating in the perinatal period	75	2.4
All other causes	733	23.0
<b>Total</b>	<b>3182</b>	<b>100.0</b>

**Black Females**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	690	23.2
Diseases of heart	665	22.4
Cerebrovascular diseases	187	6.3
Diabetes mellitus	137	4.6
Nephritis, nephrotic syndrome & nephrosis	105	3.5
Chronic lower respiratory diseases	94	3.2
Human immunodeficiency virus (HIV) disease	86	2.9
Accidents (unintentional injuries)	78	2.6
Septicemia	75	2.5
Certain conditions originating in the perinatal period	69	2.3
All other causes	783	26.4
<b>Total</b>	<b>2969</b>	<b>100.0</b>

**Hispanic Males**

Cause of Death*	Deaths	
	#	%
Accidents (unintentional injuries)	79	16.7
Diseases of heart	79	16.7
Malignant neoplasms	78	16.5
Assault (homicide)	22	4.7
Cerebrovascular diseases	19	4.0
Intentional self-harm (suicide)	16	3.4
Certain conditions originating in the perinatal period	16	3.4
Chronic lower respiratory diseases	15	3.2
Chronic liver disease & cirrhosis	13	2.8
Diabetes mellitus	13	2.8
All other causes	122	25.8
<b>Total</b>	<b>472</b>	<b>100.0</b>

**Hispanic Females**

Cause of Death*	Deaths	
	#	%
Diseases of heart	58	17.7
Malignant neoplasms	55	16.8
Cerebrovascular diseases	22	6.7
Accidents (unintentional injuries)	20	6.1
Alzheimer's disease	17	5.2
Diabetes mellitus	17	5.2
Chronic lower respiratory diseases	13	4.0
Certain conditions originating in the perinatal period	11	3.4
Congenital malformations (birth defects)	9	2.8
Septicemia	9	2.8
Nephritis, nephrotic syndrome & nephrosis	96	29.4
<b>Total</b>	<b>327</b>	<b>100.0</b>

LCODRCSX

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:

TABLE F-11  
TEN LEADING CAUSES OF DEATH BY AGE  
DELAWARE, 2006-2010

1-4 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	14	38.9
Congenital malformations (birth defects)	4	11.1
Malignant neoplasms	4	11.1
Influenza & pneumonia	2	5.6
Cerebrovascular diseases	2	5.6
Diseases of heart	2	5.6
Assault (homicide)	1	2.8
Certain conditions originating in the perinatal period	1	2.8
Other	6	16.7
<b>Total</b>	<b>36</b>	<b>100.0</b>

5-14 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	28	41.8
Malignant neoplasms	13	19.4
Assault (homicide)	3	4.5
Cerebrovascular diseases	3	4.5
Diseases of heart	3	4.5
Anemias	2	3.0
Septicemia	2	3.0
Congenital malformations (birth defects)	1	1.5
Diabetes mellitus	1	1.5
Chronic lower respiratory diseases	1	1.5
All other causes	10	14.9
<b>Total</b>	<b>67</b>	<b>100.0</b>

15-24 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	190	43.1
Assault (homicide)	88	20.0
Intentional self-harm (suicide)	57	12.9
Malignant neoplasms	24	5.4
Diseases of heart	11	2.5
Congenital malformations (birth defects)	6	1.4
Influenza & pneumonia	3	0.7
Septicemia	3	0.7
Pregnancy, childbirth & the puerperium	2	0.5
Nephritis, nephrotic syndrome & nephrosis	2	0.5
All other causes	55	12.5
<b>Total</b>	<b>441</b>	<b>100.0</b>

25-44 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	506	26.2
Diseases of heart	268	13.9
Malignant neoplasms	262	13.6
Intentional self-harm (suicide)	159	8.2
Assault (homicide)	123	6.4
Human immunodeficiency virus (HIV) disease	82	4.2
Diabetes mellitus	43	2.2
Cerebrovascular diseases	38	2.0
Chronic liver disease & cirrhosis	33	1.7
Septicemia	25	1.3
All other causes	394	20.4
<b>Total</b>	<b>1933</b>	<b>100.0</b>

45-64 Years

Cause of Death*	Deaths	
	Number	Percent
Malignant neoplasms	2505	33.5
Diseases of heart	1688	22.5
Accidents (unintentional injuries)	404	5.4
Diabetes mellitus	252	3.4
Chronic liver disease & cirrhosis	238	3.2
Chronic lower respiratory diseases	232	3.1
Cerebrovascular diseases	232	3.1
Intentional self-harm (suicide)	213	2.8
Human immunodeficiency virus (HIV) disease	159	2.1
Septicemia	141	1.9
All other causes	1423	19.0
<b>Total</b>	<b>7487</b>	<b>100.0</b>

65+ Years

Cause of Death*	Deaths	
	Number	Percent
Diseases of heart	7081	26.5
Malignant neoplasms	6387	23.9
Chronic lower respiratory diseases	1809	6.8
Cerebrovascular diseases	1651	6.2
Alzheimer's disease	959	3.6
Diabetes mellitus	735	2.8
Nephritis, nephrotic syndrome & nephrosis	671	2.5
Influenza & pneumonia	556	2.1
Accidents (unintentional injuries)	505	1.9
Septicemia	417	1.6
All other causes	5928	22.2
<b>Total</b>	<b>26699</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 Health Statistics Center

LCODAGE

TABLE F-12  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2010  
(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>	1761	0	0	0	0	2	2	13	37	124	209	267	1107	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	10	0	0	0	0	0	0	0	0	1	1	2	6	0
Hypertensive heart disease (I11)	89	0	0	0	0	0	0	1	10	15	21	10	32	0
Hypertensive heart and renal disease (I13)	2	0	0	0	0	0	0	0	0	1	0	0	1	0
Ischemic heart disease (I20-I25)	1134	0	0	0	0	0	0	3	16	72	135	187	721	0
All other forms of heart disease (I26-I51)	526	0	0	0	0	2	2	9	11	35	52	68	347	0
<b>Malignant neoplasms (C00-C97)</b>	1895	0	0	1	1	3	4	11	40	167	352	493	823	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	35	0	0	0	0	0	0	0	2	6	6	9	12	0
Malignant neoplasms of digestive organs (C15-C26)	444	0	0	0	0	0	0	1	8	51	90	111	183	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	616	0	0	0	0	0	0	2	5	50	107	193	259	0
Malignant neoplasms of breast (C50)	132	0	0	0	0	0	0	2	7	19	24	29	51	0
Malignant neoplasms of female genital organs, (C51-C58)	96	0	0	0	0	0	0	3	7	9	26	19	32	0
Malignant neoplasms of male genital organs, (C60-C63)	88	0	0	0	0	0	0	0	0	3	12	23	50	0
Malignant neoplasms of urinary tract (C64-C68)	94	0	0	0	0	0	0	0	0	3	20	22	49	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	29	0	0	1	0	0	0	0	1	0	11	5	11	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	166	0	0	0	1	1	3	1	4	7	25	37	87	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	195	0	0	0	0	2	1	2	6	19	31	45	89	0
<b>Cerebrovascular diseases (I60-I69)</b>	408	2	0	0	0	0	0	1	7	13	25	71	289	0

TABLE F-12 (continued)  
(2010 - Delaware, All Races, Both Sexes)

	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>	441	0	0	0	1	0	0	0	1	13	39	93	294	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	354	3	2	2	5	13	26	53	57	57	34	32	70	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)	110	0	0	1	4	11	14	21	17	15	9	9	9	0
Nontransport Accidents (W00-X59, Y86)	239	3	2	1	1	2	12	32	38	41	24	22	61	0
<b>Diabetes mellitus (E10-E14)</b>	197	0	0	0	0	0	0	2	7	26	37	40	85	0
<b>Influenza and pneumonia (J10-J18)</b>	138	1	0	0	0	0	0	0	2	5	9	17	104	0
<b>Alzheimer's disease (G30)</b>	217	0	0	0	0	0	1	0	0	1	2	8	205	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	157	0	0	0	0	0	1	0	3	10	24	33	86	0
<b>Septicemia (A40-A41)</b>	111	1	0	0	0	0	0	2	3	8	18	20	59	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	106	0	0	0	0	6	7	9	20	36	18	5	5	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	92	0	0	0	0	0	0	0	3	31	27	20	11	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	62	0	0	0	0	0	0	0	2	3	4	8	45	0
<b>Aortic aneurysm and dissection (I71)</b>	38	0	0	0	0	0	0	0	1	1	8	7	21	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	58	2	1	0	1	5	13	16	8	6	2	4	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	46	0	0	0	0	0	0	3	11	16	10	4	2	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	39	39	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	31	18	1	0	0	1	0	1	0	2	4	2	2	0
<b>All other causes</b>	1516	22	0	2	1	3	10	18	31	103	134	183	1009	0
<b>TOTAL</b>	7667	88	4	5	9	33	64	129	233	622	956	1307	4217	0

LCDAGEDE

**Note:**

\*ICD Codes, Tenth Revision.

**Source:**

Delaware Health Statistics Center

TABLE F-13  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
KENT, 2010  
**(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>	350	0	0	0	0	0	0	4	6	24	54	50	212	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)	11	0	0	0	0	0	0	0	1	7	3	0	0	0
Hypertensive heart and renal disease (I13)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease (I20-I25)	252	0	0	0	0	0	0	2	4	11	40	42	153	0
All other forms of heart disease (I26-I51)	87	0	0	0	0	0	0	2	1	6	11	8	59	0
<b>Malignant neoplasms (C00-C97)</b>	346	0	0	1	0	0	3	0	9	33	59	105	136	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	7	0	0	0	0	0	0	0	0	2	1	2	2	0
Malignant neoplasms of digestive organs (C15-C26)	70	0	0	0	0	0	0	0	1	8	11	24	26	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	124	0	0	0	0	0	0	0	0	13	18	43	50	0
Malignant neoplasms of breast (C50)	27	0	0	0	0	0	0	0	2	3	6	7	9	0
Malignant neoplasms of female genital organs, (C51-C58)	19	0	0	0	0	0	0	0	3	2	3	4	7	0
Malignant neoplasms of male genital organs, (C60-C63)	13	0	0	0	0	0	0	0	0	0	2	5	6	0
Malignant neoplasms of urinary tract (C64-C68)	20	0	0	0	0	0	0	0	0	0	5	6	9	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	5	0	0	1	0	0	0	0	0	0	1	0	3	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	25	0	0	0	0	0	2	0	2	1	5	5	10	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	36	0	0	0	0	0	1	0	1	4	7	9	14	0
<b>Cerebrovascular diseases (I60-I69)</b>	59	2	0	0	0	0	0	0	3	1	3	11	39	0



TABLE F-13 (continued)  
(2010 - Kent, All Races, Both Sexes)

	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>	81	0	0	0	0	0	0	0	1	2	10	16	52	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	31	1	0	0	0	0	0	0	1	1	3	9	16	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)	25	0	0	1	2	2	4	6	5	2	1	1	1	0
Nontransport Accidents (W00-X59, Y86)	37	0	0	0	0	1	3	6	8	4	3	1	11	0
<b>Diabetes mellitus (E10-E14)</b>	37	0	0	0	0	0	0	1	2	6	9	7	12	0
<b>Influenza and pneumonia (J10-J18)</b>	20	0	0	0	0	0	0	0	0	1	1	2	16	0
<b>Alzheimer's disease (G30)</b>	37	0	0	0	0	0	1	0	0	0	0	2	34	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	23	0	0	0	0	0	1	0	2	1	4	3	12	0
<b>Septicemia (A40-A41)</b>	31	1	0	0	0	0	0	0	1	1	3	9	16	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	16	0	0	0	0	0	1	1	6	6	1	0	1	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	19	0	0	0	0	0	0	0	0	7	5	3	4	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	17	0	0	0	0	0	0	0	0	1	2	5	9	0
<b>Aortic aneurysm and dissection (I71)</b>	8	0	0	0	0	0	0	0	0	0	2	2	4	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	7	0	0	0	1	0	0	2	0	2	1	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	10	0	0	0	0	0	0	0	2	3	3	1	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	5	5	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	5	4	0	0	0	0	0	0	0	0	1	0	0	0
<b>All other causes</b>	243	2	0	1	2	4	9	13	18	28	26	26	114	0
<b>TOTAL</b>	1345	15	0	2	3	4	15	21	51	117	187	252	678	0

LCDAGEKT

**Note:**  
\*ICD Codes, Tenth Revision.

**Source:**  
Delaware Health Statistics Center

TABLE F-14  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
NEW CASTLE, 2010  
**(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>	903	0	0	0	0	2	1	6	24	73	108	128	561	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	7	0	0	0	0	0	0	0	0	1	0	1	5	0
Hypertensive heart disease (I11)	57	0	0	0	0	0	0	1	8	7	15	5	21	0
Hypertensive heart and renal disease (I13)	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Ischemic heart disease (I20-I25)	548	0	0	0	0	0	0	1	8	44	68	85	342	0
All other forms of heart disease (I26-I51)	290	0	0	0	0	2	1	4	8	20	25	37	193	0
<b>Malignant neoplasms (C00-C97)</b>	1016	0	0	0	1	3	1	7	26	100	199	230	449	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	15	0	0	0	0	0	0	0	1	3	3	2	6	0
Malignant neoplasms of digestive organs (C15-C26)	244	0	0	0	0	0	0	1	5	31	53	51	103	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	315	0	0	0	0	0	0	2	5	22	60	91	135	0
Malignant neoplasms of breast (C50)	69	0	0	0	0	0	0	1	4	15	10	8	31	0
Malignant neoplasms of female genital organs, (C51-C58)	48	0	0	0	0	0	0	0	4	5	17	7	15	0
Malignant neoplasms of male genital organs, (C60-C63)	48	0	0	0	0	0	0	0	0	3	7	13	25	0
Malignant neoplasms of urinary tract (C64-C68)	55	0	0	0	0	0	0	0	0	3	10	10	32	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	16	0	0	0	0	0	0	0	1	0	6	3	6	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	98	0	0	0	1	1	1	1	1	5	17	23	48	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	108	0	0	0	0	2	0	2	5	13	16	22	48	0
<b>Cerebrovascular diseases (I60-I69)</b>	247	0	0	0	0	0	0	0	3	9	16	39	180	0

TABLE F-14 (continued)  
 (2010 - New Castle, All Races, Both Sexes)

	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>	223	0	0	0	1	0	0	0	0	8	18	46	150	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	193	3	0	1	2	8	14	32	28	30	18	21	36	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)	52	0	0	0	2	7	9	8	10	5	2	7	2	0
Nontransport Accidents (W00-X59, Y86)	139	3	0	1	0	1	5	24	18	25	15	13	34	0
<b>Diabetes mellitus (E10-E14)</b>	118	0	0	0	0	0	0	1	4	16	20	20	57	0
<b>Influenza and pneumonia (J10-J18)</b>	87	1	0	0	0	0	0	0	2	2	6	10	66	0
<b>Alzheimer's disease (G30)</b>	101	0	0	0	0	0	0	0	0	1	1	4	95	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	95	0	0	0	0	0	0	0	1	6	17	23	48	0
<b>Septicemia (A40-A41)</b>	59	0	0	0	0	0	0	2	2	6	10	7	32	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	57	0	0	0	0	2	5	6	11	18	8	4	3	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	43	0	0	0	0	0	0	0	3	14	14	8	4	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	29	0	0	0	0	0	0	0	1	2	2	2	22	0
<b>Aortic aneurysm and dissection (I71)</b>	21	0	0	0	0	0	0	0	1	1	4	5	10	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	44	1	1	0	0	4	12	12	6	4	1	3	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	31	0	0	0	0	0	0	3	8	11	6	2	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	30	30	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	17	8	1	0	0	1	0	1	0	1	3	1	1	0
<b>All other causes</b>	907	15	0	1	0	2	6	10	22	55	83	92	621	0
<b>TOTAL</b>	4221	58	2	2	4	22	39	80	142	357	534	645	2336	0

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**Note:**  
 \*ICD Codes, Tenth Revision.

**Source:**  
 Delaware Health Statistics Center

TABLE F-15  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
CITY OF WILMINGTON, 2010  
(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>	168	0	0	0	0	1	1	1	6	14	27	27	91	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Hypertensive heart disease (I11)	14	0	0	0	0	0	0	0	0	2	5	1	6	0
Hypertensive heart and renal disease (I13)	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Ischemic heart disease (I20-I25)	102	0	0	0	0	0	0	0	3	7	17	19	56	0
All other forms of heart disease (I26-I51)	50	0	0	0	0	1	1	1	3	4	5	7	28	0
<b>Malignant neoplasms (C00-C97)</b>	123	0	0	0	0	0	1	3	2	16	31	35	35	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	2	0	0	0	0	0	0	0	0	1	0	1	0	0
Malignant neoplasms of digestive organs (C15-C26)	27	0	0	0	0	0	0	1	0	2	10	5	9	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	40	0	0	0	0	0	0	1	1	6	7	13	12	0
Malignant neoplasms of breast (C50)	9	0	0	0	0	0	0	0	0	5	2	0	2	0
Malignant neoplasms of female genital organs, (C51-C58)	9	0	0	0	0	0	0	0	1	0	4	1	3	0
Malignant neoplasms of male genital organs, (C60-C63)	4	0	0	0	0	0	0	0	0	0	0	3	1	0
Malignant neoplasms of urinary tract (C64-C68)	11	0	0	0	0	0	0	0	0	1	1	6	3	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	7	0	0	0	0	0	1	0	0	0	3	1	2	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	14	0	0	0	0	0	0	1	0	1	4	5	3	0
<b>Cerebrovascular diseases (I60-I69)</b>	47	0	0	0	0	0	0	0	1	4	0	13	29	0

TABLE F-15 (continued)  
(2010 - City of Wilmington, All Races, Both Sexes)

	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>	33	0	0	0	1	0	0	0	0	4	3	7	18	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	33	1	0	1	0	0	1	7	7	5	3	2	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)	6	0	0	0	0	0	0	1	1	2	0	1	1	0
Nontransport Accidents (W00-X59, Y86)	27	1	0	1	0	0	1	6	6	3	3	1	5	0
<b>Diabetes mellitus (E10-E14)</b>	28	0	0	0	0	0	0	1	1	7	4	6	9	0
<b>Influenza and pneumonia (J10-J18)</b>	12	1	0	0	0	0	0	0	0	1	1	2	7	0
<b>Alzheimer's disease (G30)</b>	15	0	0	0	0	0	0	0	0	0	0	1	14	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	21	0	0	0	0	0	0	0	0	1	5	8	7	0
<b>Septicemia (A40-A41)</b>	5	0	0	0	0	0	0	1	0	1	0	0	3	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	6	0	0	0	0	0	1	1	2	1	1	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	10	0	0	0	0	0	0	0	2	6	2	0	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	6	0	0	0	0	0	0	0	0	0	0	1	5	0
<b>Aortic aneurysm and dissection (I71)</b>	1	0	0	0	0	0	0	0	0	0	0	0	1	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	18	0	0	0	0	3	3	6	4	2	0	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	19	0	0	0	0	0	0	2	2	7	6	1	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	8	8	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	3	2	0	0	0	0	0	0	0	1	0	0	0	0
<b>All other causes</b>	157	6	0	0	0	0	1	0	7	11	23	14	95	0
<b>TOTAL</b>	713	18	0	1	1	4	8	22	34	81	106	117	321	0

**Note:**  
\*ICD Codes, Tenth Revision.

LCDAGEWLM

**Source:**  
Delaware Health Statistics Center

TABLE F-16  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH

SUSSEX, 2010

(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>	508	0	0	0	0	0	1	3	7	27	47	89	334	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	3	0	0	0	0	0	0	0	0	0	1	1	1	0
Hypertensive heart disease (I11)	21	0	0	0	0	0	0	0	1	1	3	5	11	0
Hypertensive heart and renal disease (I13)	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Ischemic heart disease (I20-I25)	334	0	0	0	0	0	0	0	4	17	27	60	226	0
All other forms of heart disease (I26-I51)	149	0	0	0	0	0	1	3	2	9	16	23	95	0
<b>Malignant neoplasms (C00-C97)</b>	533	0	0	0	0	0	0	4	5	34	94	158	238	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	13	0	0	0	0	0	0	0	1	1	2	5	4	0
Malignant neoplasms of digestive organs (C15-C26)	130	0	0	0	0	0	0	0	2	12	26	36	54	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	177	0	0	0	0	0	0	0	0	15	29	59	74	0
Malignant neoplasms of breast (C50)	36	0	0	0	0	0	0	1	1	1	8	14	11	0
Malignant neoplasms of female genital organs, (C51-C58)	29	0	0	0	0	0	0	3	0	2	6	8	10	0
Malignant neoplasms of male genital organs, (C60-C63)	27	0	0	0	0	0	0	0	0	0	3	5	19	0
Malignant neoplasms of urinary tract (C64-C68)	19	0	0	0	0	0	0	0	0	0	5	6	8	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	8	0	0	0	0	0	0	0	0	0	4	2	2	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	43	0	0	0	0	0	0	0	1	1	3	9	29	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	51	0	0	0	0	0	0	0	0	2	8	14	27	0
<b>Cerebrovascular diseases (I60-I69)</b>	102	0	0	0	0	0	0	1	1	3	6	21	70	0

TABLE F-16 (continued)  
(2010 - Sussex, All Races, Both Sexes)

	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>	137	0	0	0	0	0	0	0	0	3	11	31	92	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	97	0	2	0	1	2	5	9	14	21	12	9	22	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)	33	0	0	0	0	2	1	7	2	8	6	1	6	0
Nontransport Accidents (W00-X59, Y86)	63	0	2	0	1	0	4	2	12	12	6	8	16	0
<b>Diabetes mellitus (E10-E14)</b>	42	0	0	0	0	0	0	0	1	4	8	13	16	0
<b>Influenza and pneumonia (J10-J18)</b>	31	0	0	0	0	0	0	0	0	2	2	5	22	0
<b>Alzheimer's disease (G30)</b>	79	0	0	0	0	0	0	0	0	0	1	2	76	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	39	0	0	0	0	0	0	0	0	3	3	7	26	0
<b>Septicemia (A40-A41)</b>	21	0	0	0	0	0	0	0	0	1	5	4	11	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	33	0	0	0	0	4	1	2	3	12	9	1	1	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	30	0	0	0	0	0	0	0	0	10	8	9	3	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	16	0	0	0	0	0	0	0	1	0	0	1	14	0
<b>Aortic aneurysm and dissection (I71)</b>	9	0	0	0	0	0	0	0	0	0	2	0	7	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	7	1	0	0	0	1	1	2	2	0	0	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	5	0	0	0	0	0	0	0	1	2	1	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	4	4	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	9	6	0	0	0	0	0	0	0	1	0	1	1	0
<b>All other causes</b>	399	4	0	1	1	0	2	7	5	25	26	58	270	0
<b>TOTAL</b>	2101	15	2	1	2	7	10	28	40	148	235	410	1203	0

Note:  
\*ICD Codes, Tenth Revision.

LCDAGESX

Source:  
Delaware Health Statistics Center

TABLE F-17  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2010  
(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>	911	0	0	0	0	2	1	8	23	81	139	177	480	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	5	0	0	0	0	0	0	0	0	0	1	2	2	0
Hypertensive heart disease (I11)	45	0	0	0	0	0	0	1	6	11	13	5	9	0
Hypertensive heart and renal disease (I13)	2	0	0	0	0	0	0	0	0	1	0	0	1	0
Ischemic heart disease (I20-I25)	606	0	0	0	0	0	0	3	11	51	94	131	316	0
All other forms of heart disease (I26-I51)	253	0	0	0	0	2	1	4	6	18	31	39	152	0
<b>Malignant neoplasms (C00-C97)</b>	1017	0	0	1	1	2	3	4	18	82	187	282	437	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	24	0	0	0	0	0	0	0	2	6	3	7	6	0
Malignant neoplasms of digestive organs (C15-C26)	267	0	0	0	0	0	0	1	6	32	54	74	100	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	340	0	0	0	0	0	0	1	5	23	63	109	139	0
Malignant neoplasms of breast (C50)	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Malignant neoplasms of male genital organs, (C60-C63)	88	0	0	0	0	0	0	0	0	3	12	23	50	0
Malignant neoplasms of urinary tract (C64-C68)	64	0	0	0	0	0	0	0	0	2	13	16	33	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	19	0	0	1	0	0	0	0	1	0	8	2	7	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	99	0	0	0	1	1	3	1	2	4	15	24	48	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	114	0	0	0	0	1	0	1	2	12	19	26	53	0
<b>Cerebrovascular diseases (I60-I69)</b>	177	0	0	0	0	0	0	0	4	8	14	40	111	0



TABLE F-17 (continued)  
(2010 - All Races, Male)

	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>	178	0	0	0	1	0	0	0	0	7	21	42	107	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	222	1	1	1	3	6	15	36	38	36	22	29	34	0
Motor Vehicle Accidents (V02-V04, (V09.0,V09.2,V12-V14, V19.0-V19.2, V19.4-V19.6,V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8,V89.0,V89.2)	71	0	0	0	2	6	6	15	11	10	6	9	6	0
Nontransport Accidents (W00-X59, Y86)	146	1	1	1	1	0	9	21	25	25	15	19	28	0
<b>Diabetes mellitus (E10-E14)</b>	102	0	0	0	0	0	0	2	3	18	25	27	27	0
<b>Influenza and pneumonia (J10-J18)</b>	75	1	0	0	0	0	0	0	1	4	7	12	50	0
<b>Alzheimer's disease (G30)</b>	58	0	0	0	0	0	1	0	0	0	1	3	53	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	77	0	0	0	0	0	1	0	3	3	9	17	44	0
<b>Septicemia (A40-A41)</b>	54	1	0	0	0	0	0	2	1	5	7	9	29	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	88	0	0	0	0	6	6	7	16	29	16	4	4	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	68	0	0	0	0	0	0	0	1	27	22	11	7	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	23	0	0	0	0	0	0	0	2	3	1	6	11	0
<b>Aortic aneurysm and dissection (I71)</b>	26	0	0	0	0	0	0	0	1	1	7	4	13	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	47	0	0	0	1	4	12	14	7	4	2	3	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	33	0	0	0	0	0	0	3	5	11	10	3	1	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
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	14	8	0	0	0	1	0	1	0	2	2	0	0	0
<b>All other causes</b>	672	12	0	2	1	0	8	12	15	62	74	99	387	0
<b>TOTAL</b>	3865	46	1	4	7	21	47	89	138	383	566	768	1795	0

LCDAGMAL

**Note:**  
\*ICD Codes, Tenth Revision.

**Source:**  
Delaware Health Statistics Center

TABLE F-18  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2010  
(ALL RACES, 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>	850	0	0	0	0	0	1	5	14	43	70	90	627	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	5	0	0	0	0	0	0	0	0	1	0	0	4	0
Hypertensive heart disease (I11)	44	0	0	0	0	0	0	0	4	4	8	5	23	0
Hypertensive heart and renal disease (I13)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease (I20-I25)	528	0	0	0	0	0	0	0	5	21	41	56	405	0
All other forms of heart disease (I26-I51)	273	0	0	0	0	0	1	5	5	17	21	29	195	0
<b>Malignant neoplasms (C00-C97)</b>	878	0	0	0	0	1	1	7	22	85	165	211	386	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	11	0	0	0	0	0	0	0	0	0	3	2	6	0
Malignant neoplasms of digestive organs (C15-C26)	177	0	0	0	0	0	0	0	2	19	36	37	83	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	276	0	0	0	0	0	0	1	0	27	44	84	120	0
Malignant neoplasms of breast (C50)	130	0	0	0	0	0	0	2	7	19	24	28	50	0
Malignant neoplasms of female genital organs, (C51-C58)	96	0	0	0	0	0	0	3	7	9	26	19	32	0
Malignant neoplasms of urinary tract (C64-C68)	30	0	0	0	0	0	0	0	0	1	7	6	16	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	10	0	0	0	0	0	0	0	0	0	3	3	4	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	67	0	0	0	0	0	0	0	2	3	10	13	39	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	81	0	0	0	0	1	1	1	4	7	12	19	36	0
<b>Cerebrovascular diseases (I60-I69)</b>	231	2	0	0	0	0	0	1	3	5	11	31	178	0

TABLE F-18 (continued)  
(2010 - All Races, Female)

	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>	263	0	0	0	0	0	0	0	1	6	18	51	187	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	132	2	1	1	2	7	11	17	19	21	12	3	36	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)	39	0	0	1	2	5	8	6	6	5	3	0	3	0
Nontransport Accidents (W00-X59, Y86)	93	2	1	0	0	2	3	11	13	16	9	3	33	0
<b>Diabetes mellitus (E10-E14)</b>	95	0	0	0	0	0	0	0	4	8	12	13	58	0
<b>Influenza and pneumonia (J10-J18)</b>	63	0	0	0	0	0	0	0	1	1	2	5	54	0
<b>Alzheimer's disease (G30)</b>	159	0	0	0	0	0	0	0	0	1	1	5	152	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	80	0	0	0	0	0	0	0	0	7	15	16	42	0
<b>Septicemia (A40-A41)</b>	57	0	0	0	0	0	0	0	2	3	11	11	30	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	18	0	0	0	0	0	1	2	4	7	2	1	1	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	24	0	0	0	0	0	0	0	2	4	5	9	4	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	39	0	0	0	0	0	0	0	0	0	3	2	34	0
<b>Aortic aneurysm and dissection (I71)</b>	12	0	0	0	0	0	0	0	0	0	1	3	8	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	11	2	1	0	0	1	1	2	1	2	0	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	13	0	0	0	0	0	0	0	6	5	0	1	1	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>	17	10	1	0	0	0	0	0	0	0	2	2	2	0
<b>All Other Causes</b>	844	10	0	0	0	3	2	6	16	41	60	84	622	0
<b>TOTAL</b>	3802	42	3	1	2	12	17	40	95	239	390	539	2422	0

LCDAGFEM

**Note:**  
\*ICD Codes, Tenth Revision.

**Source:**  
Delaware Health Statistics Center

TABLE F-19  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2010  
(WHITE, 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>	1448	0	0	0	0	1	1	9	25	90	149	214	959	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	9	0	0	0	0	0	0	0	0	0	1	2	6	0
Hypertensive heart disease (I11)	62	0	0	0	0	0	0	1	7	9	12	8	25	0
Hypertensive heart and renal disease (I13)	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Ischemic heart disease (I20-I25)	948	0	0	0	0	0	0	2	12	59	102	150	623	0
All other forms of heart disease (I26-I51)	428	0	0	0	0	1	1	6	6	21	34	54	305	0
<b>Malignant neoplasms (C00-C97)</b>	1556	0	0	1	1	1	3	8	26	119	269	407	721	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	29	0	0	0	0	0	0	0	1	4	5	8	11	0
Malignant neoplasms of digestive organs (C15-C26)	350	0	0	0	0	0	0	0	6	37	62	88	157	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	525	0	0	0	0	0	0	2	3	38	84	166	232	0
Malignant neoplasms of breast (C50)	107	0	0	0	0	0	0	1	4	12	20	24	46	0
Malignant neoplasms of female genital organs, (C51-C58)	77	0	0	0	0	0	0	2	3	7	20	18	27	0
Malignant neoplasms of male genital organs, (C60-C63)	64	0	0	0	0	0	0	0	0	1	10	14	39	0
Malignant neoplasms of urinary tract (C64-C68)	79	0	0	0	0	0	0	0	0	2	19	17	41	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	27	0	0	1	0	0	0	0	1	0	10	4	11	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	142	0	0	0	1	0	2	1	4	5	18	33	78	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	156	0	0	0	0	1	1	2	4	13	21	35	79	0
<b>Cerebrovascular diseases (I60-I69)</b>	334	2	0	0	0	0	0	0	4	4	19	46	259	0

TABLE F-19 (continued)  
(2010 - White, Both Sexes)

	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>	400	0	0	0	0	0	0	0	1	12	36	82	269	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	299	1	2	1	3	11	23	41	49	49	30	26	63	0
Motor Vehicle Accidents (V02-V04, (V09.0,V09.2,V12-V14, V19.0-V19.2, V19.4-V19.6,V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8,V89.0,V89.2)	89	0	0	1	3	9	12	14	15	12	8	7	8	0
Nontransport Accidents (W00-X59, Y86)	206	1	2	0	0	2	11	27	32	36	22	18	55	0
<b>Diabetes mellitus (E10-E14)</b>	135	0	0	0	0	0	0	1	4	16	24	24	66	0
<b>Influenza and pneumonia (J10-J18)</b>	113	1	0	0	0	0	0	0	2	2	8	10	90	0
<b>Alzheimer's disease (G30)</b>	183	0	0	0	0	0	1	0	0	1	2	5	174	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	112	0	0	0	0	0	1	0	1	5	14	18	73	0
<b>Septicemia (A40-A41)</b>	86	0	0	0	0	0	0	1	1	4	13	15	52	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	97	0	0	0	0	6	5	8	17	33	18	5	5	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	75	0	0	0	0	0	0	0	3	21	23	18	10	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	54	0	0	0	0	0	0	0	2	3	3	6	40	0
<b>Aortic aneurysm and dissection (I71)</b>	32	0	0	0	0	0	0	0	1	0	7	6	18	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	23	2	0	0	0	2	2	6	3	4	1	3	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	11	0	0	0	0	0	0	0	4	4	2	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	12	12	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	27	15	1	0	0	1	0	1	0	2	4	1	2	0
<b>All other causes</b>	1277	14	0	1	1	1	8	11	22	82	94	149	894	0
<b>TOTAL</b>	6274	47	3	3	5	23	44	86	165	451	716	1036	3695	0

LCDAGWHT

**Note:**  
\*ICD Codes, Tenth Revision.

**Source:**  
Delaware Health Statistics Center

TABLE F-20  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2010  
(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>	745	0	0	0	0	1	1	6	15	57	99	146	420	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	5	0	0	0	0	0	0	0	0	0	1	2	2	0
Hypertensive heart disease (I11)	31	0	0	0	0	0	0	1	4	6	8	5	7	0
Hypertensive heart and renal disease (I13)	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Ischemic heart disease (I20-I25)	504	0	0	0	0	0	0	2	8	39	72	108	275	0
All other forms of heart disease (I26-I51)	204	0	0	0	0	1	1	3	3	11	18	31	136	0
<b>Malignant neoplasms (C00-C97)</b>	828	0	0	1	1	0	2	3	13	57	144	222	385	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	19	0	0	0	0	0	0	0	1	4	2	6	6	0
Malignant neoplasms of digestive organs (C15-C26)	213	0	0	0	0	0	0	0	5	24	39	57	88	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	283	0	0	0	0	0	0	1	3	15	51	90	123	0
Malignant neoplasms of breast (C50)	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Malignant neoplasms of male genital organs, (C60-C63)	64	0	0	0	0	0	0	0	0	1	10	14	39	0
Malignant neoplasms of urinary tract (C64-C68)	55	0	0	0	0	0	0	0	0	2	12	13	28	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	17	0	0	1	0	0	0	0	1	0	7	1	7	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	82	0	0	0	1	0	2	1	2	2	11	20	43	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	93	0	0	0	0	0	0	1	1	9	12	20	50	0
<b>Cerebrovascular diseases (I60-I69)</b>	140	0	0	0	0	0	0	0	2	3	12	24	99	0

TABLE F-20 (continued)  
(2010 - White Males)

	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>	157	0	0	0	0	0	0	0	0	7	19	37	94	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	180	0	1	0	2	6	12	26	30	30	18	23	32	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)	55	0	0	0	2	6	4	8	9	8	5	7	6	0
Nontransport Accidents (W00-X59, Y86)	121	0	1	0	0	0	8	18	19	21	13	15	26	0
<b>Diabetes mellitus (E10-E14)</b>	72	0	0	0	0	0	0	1	1	13	17	16	24	0
<b>Influenza and pneumonia (J10-J18)</b>	60	1	0	0	0	0	0	0	1	2	6	7	43	0
<b>Alzheimer's disease (G30)</b>	50	0	0	0	0	0	1	0	0	0	1	2	46	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	54	0	0	0	0	0	1	0	1	1	5	10	36	0
<b>Septicemia (A40-A41)</b>	43	0	0	0	0	0	0	1	0	3	4	8	27	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	80	0	0	0	0	6	4	6	13	27	16	4	4	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	55	0	0	0	0	0	0	0	1	18	19	10	7	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	18	0	0	0	0	0	0	0	2	3	0	4	9	0
<b>Aortic aneurysm and dissection (I71)</b>	21	0	0	0	0	0	0	0	1	0	6	3	11	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	16	0	0	0	0	2	1	5	3	2	1	2	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	7	0	0	0	0	0	0	0	1	3	2	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	7	7	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	12	6	0	0	0	1	0	1	0	2	2	0	0	0
<b>All other causes</b>	562	8	0	1	1	0	7	8	12	50	55	79	341	0
<b>TOTAL</b>	3107	22	1	2	4	16	29	57	96	278	426	598	1578	0

LCDAGEWM

**Note:**  
\*ICD Codes, Tenth Revision.

**Source:**  
Delaware Health Statistics Center

TABLE F-21  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2010  
(WHITE FEMALES)

Cause of Death*	Age of Decedent													Unk
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	703	0	0	0	0	0	0	3	10	33	50	68	539	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	4	0	0	0	0	0	0	0	0	0	0	0	4	0
Hypertensive heart disease (I11)	31	0	0	0	0	0	0	0	3	3	4	3	18	0
Hypertensive heart and renal disease (I13)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease (I20-I25)	444	0	0	0	0	0	0	0	4	20	30	42	348	0
All other forms of heart disease (I26-I51)	224	0	0	0	0	0	0	3	3	10	16	23	169	0
<b>Malignant neoplasms (C00-C97)</b>	728	0	0	0	0	1	1	5	13	62	125	185	336	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	10	0	0	0	0	0	0	0	0	0	3	2	5	0
Malignant neoplasms of digestive organs (C15-C26)	137	0	0	0	0	0	0	0	1	13	23	31	69	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	242	0	0	0	0	0	0	1	0	23	33	76	109	0
Malignant neoplasms of breast (C50)	105	0	0	0	0	0	0	1	4	12	20	23	45	0
Malignant neoplasms of female genital organs, (C51-C58)	77	0	0	0	0	0	0	2	3	7	20	18	27	0
Malignant neoplasms of urinary tract (C64-C68)	24	0	0	0	0	0	0	0	0	0	7	4	13	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	10	0	0	0	0	0	0	0	0	0	3	3	4	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	60	0	0	0	0	0	0	0	2	3	7	13	35	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	63	0	0	0	0	1	1	1	3	4	9	15	29	0
<b>Cerebrovascular diseases (I60-I69)</b>	194	2	0	0	0	0	0	0	2	1	7	22	160	0



TABLE F-21 (continued)  
(2010 - White Females)

	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>	243	0	0	0	0	0	0	0	1	5	17	45	175	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	119	1	1	1	1	5	11	15	19	19	12	3	31	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)	34	0	0	1	1	3	8	6	6	4	3	0	2	0
Nontransport Accidents (W00-X59, Y86)	85	1	1	0	0	2	3	9	13	15	9	3	29	0
<b>Diabetes mellitus (E10-E14)</b>	63	0	0	0	0	0	0	0	3	3	7	8	42	0
<b>Influenza and pneumonia (J10-J18)</b>	53	0	0	0	0	0	0	0	1	0	2	3	47	0
<b>Alzheimer's disease (G30)</b>	133	0	0	0	0	0	0	0	0	1	1	3	128	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	58	0	0	0	0	0	0	0	0	4	9	8	37	0
<b>Septicemia (A40-A41)</b>	43	0	0	0	0	0	0	0	1	1	9	7	25	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	17	0	0	0	0	0	1	2	4	6	2	1	1	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	20	0	0	0	0	0	0	0	2	3	4	8	3	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	36	0	0	0	0	0	0	0	0	0	3	2	31	0
<b>Aortic aneurysm and dissection (I71)</b>	11	0	0	0	0	0	0	0	0	0	1	3	7	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	7	2	0	0	0	0	1	1	0	2	0	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	4	0	0	0	0	0	0	0	3	1	0	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	5	5	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	15	9	1	0	0	0	0	0	0	0	2	1	2	0
<b>All other causes</b>	715	6	0	0	0	1	1	3	10	32	39	70	553	0
<b>TOTAL</b>	3167	25	2	1	1	7	15	29	69	173	290	438	2117	0

LCDAGEWF

**Note:**  
\*ICD Codes, Tenth Revision.

**Source:**  
Delaware Health Statistics Center

TABLE F-22  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2010  
**(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>	291	0	0	0	0	1	1	4	12	33	54	52	134	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Hypertensive heart disease (I11)	27	0	0	0	0	0	0	0	3	6	9	2	7	0
Hypertensive heart and renal disease (I13)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease (I20-I25)	171	0	0	0	0	0	0	1	4	12	30	36	88	0
All other forms of heart disease (I26-I51)	92	0	0	0	0	1	1	3	5	14	15	14	39	0
<b>Malignant neoplasms (C00-C97)</b>	303	0	0	0	0	2	1	2	12	45	74	76	91	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5	0	0	0	0	0	0	0	1	2	1	1	0	0
Malignant neoplasms of digestive organs (C15-C26)	81	0	0	0	0	0	0	0	2	13	24	20	22	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	81	0	0	0	0	0	0	0	2	12	21	22	24	0
Malignant neoplasms of breast (C50)	24	0	0	0	0	0	0	1	3	7	4	5	4	0
Malignant neoplasms of female genital organs, (C51-C58)	16	0	0	0	0	0	0	1	3	1	5	1	5	0
Malignant neoplasms of male genital organs, (C60-C63)	22	0	0	0	0	0	0	0	0	2	1	8	11	0
Malignant neoplasms of urinary tract (C64-C68)	15	0	0	0	0	0	0	0	0	1	1	5	8	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	2	0	0	0	0	0	0	0	0	0	1	1	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	23	0	0	0	0	1	1	0	0	2	7	4	8	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	34	0	0	0	0	1	0	0	1	5	9	9	9	0
<b>Cerebrovascular diseases (I60-I69)</b>	67	0	0	0	0	0	0	1	3	7	6	22	28	0

TABLE F-22 (continued)  
(2010 - Black, Both Sexes)

	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>	39	0	0	0	1	0	0	0	0	1	3	11	23	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	47	2	0	1	1	2	3	10	6	7	3	5	7	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)	19	0	0	0	0	2	2	6	2	3	1	2	1	0
Nontransport Accidents (W00-X59, Y86)	28	2	0	1	1	0	1	4	4	4	2	3	6	0
<b>Diabetes mellitus (E10-E14)</b>	54	0	0	0	0	0	0	1	2	10	9	15	17	0
<b>Influenza and pneumonia (J10-J18)</b>	20	0	0	0	0	0	0	0	0	2	1	7	10	0
<b>Alzheimer's disease (G30)</b>	29	0	0	0	0	0	0	0	0	0	0	2	27	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	40	0	0	0	0	0	0	0	2	5	10	13	10	0
<b>Septicemia (A40-A41)</b>	23	1	0	0	0	0	0	1	2	4	5	5	5	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	8	0	0	0	0	0	2	1	2	3	0	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	13	0	0	0	0	0	0	0	0	9	4	0	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	8	0	0	0	0	0	0	0	0	0	1	2	5	0
<b>Aortic aneurysm and dissection (I71)</b>	5	0	0	0	0	0	0	0	0	1	1	1	2	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	35	0	1	0	1	3	11	10	5	2	1	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	35	0	0	0	0	0	0	3	7	12	8	3	2	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	24	24	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	2	1	0	0	0	0	0	0	0	0	0	1	0	0
<b>All other causes</b>	215	8	0	1	0	1	2	6	8	18	36	32	103	0
<b>TOTAL</b>	1258	36	1	2	3	9	20	39	61	159	216	248	464	0

LCDAGBLK

**Note:**  
\*ICD Codes, Tenth Revision.

**Source:**  
Delaware Health Statistics Center

TABLE F-23  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2010  
**(BLACK MALES)**

Cause of Death*	Age of Decedent													
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	Unk
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	154	0	0	0	0	1	0	2	8	23	35	30	55	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)	14	0	0	0	0	0	0	0	2	5	5	0	2	0
Hypertensive heart and renal disease (I13)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease (I20-I25)	95	0	0	0	0	0	0	1	3	11	19	22	39	0
All other forms of heart disease (I26-I51)	45	0	0	0	0	1	0	1	3	7	11	8	14	0
<b>Malignant neoplasms (C00-C97)</b>	168	0	0	0	0	2	1	0	4	24	37	52	48	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5	0	0	0	0	0	0	0	1	2	1	1	0	0
Malignant neoplasms of digestive organs (C15-C26)	45	0	0	0	0	0	0	0	1	7	12	14	11	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	51	0	0	0	0	0	0	0	2	8	11	16	14	0
Malignant neoplasms of breast (C50)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of male genital organs, (C60-C63)	22	0	0	0	0	0	0	0	0	2	1	8	11	0
Malignant neoplasms of urinary tract (C64-C68)	9	0	0	0	0	0	0	0	0	0	1	3	5	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	2	0	0	0	0	0	0	0	0	0	1	1	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	17	0	0	0	0	1	1	0	0	2	4	4	5	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	17	0	0	0	0	1	0	0	0	3	6	5	2	0
<b>Cerebrovascular diseases (I60-I69)</b>	32	0	0	0	0	0	0	0	2	3	2	14	11	0

TABLE F-23 (continued)  
(2010 - Black Males)

	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>	20	0	0	0	1	0	0	0	0	0	2	5	12	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	35	1	0	1	1	0	3	8	6	5	3	5	2	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)	15	0	0	0	0	0	2	6	2	2	1	2	0	0
Nontransport Accidents (W00-X59, Y86)	20	1	0	1	1	0	1	2	4	3	2	3	2	0
<b>Diabetes mellitus (E10-E14)</b>	26	0	0	0	0	0	0	1	2	5	5	10	3	0
<b>Influenza and pneumonia (J10-J18)</b>	11	0	0	0	0	0	0	0	0	1	1	5	4	0
<b>Alzheimer's disease (G30)</b>	7	0	0	0	0	0	0	0	0	0	0	1	6	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	19	0	0	0	0	0	0	0	2	2	4	5	6	0
<b>Septicemia (A40-A41)</b>	11	1	0	0	0	0	0	1	1	2	3	1	2	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	7	0	0	0	0	0	2	1	2	2	0	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	11	0	0	0	0	0	0	0	0	8	3	0	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	5	0	0	0	0	0	0	0	0	0	1	2	2	0
<b>Aortic aneurysm and dissection (I71)</b>	5	0	0	0	0	0	0	0	0	1	1	1	2	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	31	0	0	0	1	2	11	9	4	2	1	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	26	0	0	0	0	0	0	3	4	8	8	2	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	14	14	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	100	4	0	1	0	0	1	3	3	11	15	19	43	0
<b>TOTAL</b>	682	20	0	2	3	5	18	28	38	97	121	153	197	0

LCDAGEBM

**Note:**  
\*ICD Codes, Tenth Revision.

**Source:**  
Delaware Health Statistics Center

TABLE F-24  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2010  
**(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>	137	0	0	0	0	0	1	2	4	10	19	22	79	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Hypertensive heart disease (I11)	13	0	0	0	0	0	0	0	1	1	4	2	5	0
Hypertensive heart and renal disease (I13)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease (I20-I25)	76	0	0	0	0	0	0	0	1	1	11	14	49	0
All other forms of heart disease (I26-I51)	47	0	0	0	0	0	1	2	2	7	4	6	25	0
<b>Malignant neoplasms (C00-C97)</b>	135	0	0	0	0	0	0	2	8	21	37	24	43	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of digestive organs (C15-C26)	36	0	0	0	0	0	0	0	1	6	12	6	11	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	30	0	0	0	0	0	0	0	0	4	10	6	10	0
Malignant neoplasms of breast (C50)	24	0	0	0	0	0	0	1	3	7	4	5	4	0
Malignant neoplasms of female genital organs, (C51-C58)	16	0	0	0	0	0	0	1	3	1	5	1	5	0
Malignant neoplasms of urinary tract (C64-C68)	6	0	0	0	0	0	0	0	0	1	0	2	3	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	6	0	0	0	0	0	0	0	0	0	3	0	3	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	17	0	0	0	0	0	0	0	1	2	3	4	7	0
<b>Cerebrovascular diseases (I60-I69)</b>	35	0	0	0	0	0	0	1	1	4	4	8	17	0

TABLE F-24 (continued)  
(2010 - Black Females)

	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>	19	0	0	0	0	0	0	0	0	1	1	6	11	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	12	1	0	0	0	2	0	2	0	2	0	0	5	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)	4	0	0	0	0	2	0	0	0	1	0	0	1	0
Nontransport Accidents (W00-X59, Y86)	8	1	0	0	0	0	0	2	0	1	0	0	4	0
<b>Diabetes mellitus (E10-E14)</b>	28	0	0	0	0	0	0	0	0	5	4	5	14	0
<b>Influenza and pneumonia (J10-J18)</b>	9	0	0	0	0	0	0	0	0	1	0	2	6	0
<b>Alzheimer's disease (G30)</b>	22	0	0	0	0	0	0	0	0	0	0	1	21	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	21	0	0	0	0	0	0	0	0	3	6	8	4	0
<b>Septicemia (A40-A41)</b>	12	0	0	0	0	0	0	0	1	2	2	4	3	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	1	0	0	0	0	0	0	0	0	1	0	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	2	0	0	0	0	0	0	0	0	1	1	0	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	3	0	0	0	0	0	0	0	0	0	0	0	3	0
<b>Aortic aneurysm and dissection (I71)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	4	0	1	0	0	1	0	1	1	0	0	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	9	0	0	0	0	0	0	0	3	4	0	1	1	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
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	2	1	0	0	0	0	0	0	0	0	0	1	0	0
<b>All other causes</b>	115	4	0	0	0	1	1	3	5	7	21	13	60	0
<b>TOTAL</b>	576	16	1	0	0	4	2	11	23	62	95	95	267	0

LCDAGEBF

**Note:**  
\*ICD Codes, Tenth Revision.

**Source:**  
Delaware Health Statistics Center

TABLE F-25  
HIV INFECTION/AIDS<sup>1</sup> DEATHS BY COUNTY, RACE, HISPANIC<sup>2</sup> ORIGIN AND SEX

U.S., DELAWARE, AND COUNTIES, 1996-2010

Area/ Race	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
<b>Delaware</b>	132	60	55	65	68	67	70	80	58	63	53	55	58	41	46
Males	101	45	47	49	46	47	51	58	36	43	33	33	27	27	33
White	36	10	8	14	11	10	14	18	7	8	9	13	11	5	7
Black	65	35	39	34	35	37	37	40	29	35	24	20	16	22	26
Females	31	15	8	16	22	20	19	22	22	20	20	22	31	14	13
White	5	1	1	2	2	1	6	3	6	2	1	1	6	2	4
Black	26	14	7	14	20	19	13	19	16	18	19	21	25	12	9
<b>Kent</b>	13	6	5	8	4	9	4	8	8	5	11	9	8	5	10
Males	9	6	3	5	0	5	4	7	5	2	7	5	2	5	6
White	4	1	0	3	0	2	0	2	2	0	1	2	1	2	2
Black	5	5	3	2	0	3	4	5	3	2	6	3	1	3	4
Females	4	0	2	3	4	4	0	1	3	3	4	4	6	0	4
White	2	0	0	0	2	0	0	1	0	0	0	0	1	0	0
Black	2	0	2	3	2	4	0	0	3	3	4	4	5	0	4
<b>New Castle</b>	109	49	44	45	54	52	56	69	46	51	34	39	42	34	31
Males	82	34	38	34	37	38	40	49	29	35	19	21	17	21	23
White	23	6	7	7	6	6	9	15	4	6	5	6	4	2	2
Black	59	28	31	27	31	32	31	34	25	29	14	15	13	19	21
Females	27	15	6	11	17	14	16	20	17	16	15	18	25	13	8
White	3	1	1	2	0	1	4	2	5	2	1	1	5	1	4
Black	24	14	5	9	17	13	12	18	12	14	14	17	20	12	4
Wilmington	68	27	28	23	35	37	28	43	25	33	19	22	29	27	19
Males	47	15	24	20	25	28	22	30	15	21	7	10	13	16	16
White	4	2	2	2	4	3	4	5	0	2	0	0	1	1	0
Black	43	13	22	18	21	25	18	25	15	19	7	10	12	15	16
Females	21	12	4	3	10	9	6	13	10	12	12	12	16	11	3
White	1	0	1	0	0	1	0	0	1	1	1	1	3	1	1
Black	20	12	3	3	10	8	6	13	9	11	11	11	13	10	2
Bal of NCCo	41	22	16	22	19	15	28	26	21	18	15	17	13	7	12
Males	35	19	14	14	12	10	18	19	14	14	12	11	4	5	7
White	19	4	5	5	2	3	5	10	4	4	5	6	3	1	2
Black	16	15	9	9	10	7	13	9	10	10	7	5	1	4	5
Females	6	3	2	8	7	5	10	7	7	4	3	6	9	2	5
White	2	1	0	2	0	0	4	2	4	1	0	0	2	0	3
Black	4	2	2	6	7	5	6	5	3	3	3	6	7	2	2
<b>Sussex</b>	10	5	6	12	10	6	10	3	4	7	8	7	8	2	5
Males	10	5	6	10	9	4	7	2	2	6	7	7	8	1	4
White	9	3	1	4	5	2	5	1	1	2	3	5	6	1	3
Black	1	2	5	5	4	2	2	1	1	4	4	2	2	0	1
Females	0	0	0	2	1	2	3	1	2	1	1	0	0	1	1
White	0	0	0	0	0	0	2	0	1	0	0	0	0	1	0
Black	0	0	0	2	1	2	1	1	1	1	1	0	0	0	1
<b>Hispanic</b>	5	1	3	1	1	3	4	2	1	2	1	1	1	1	1
Males	3	1	3	1	1	2	4	1	0	2	0	0	1	1	1
Females	2	0	0	0	0	1	0	1	1	0	1	1	0	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.

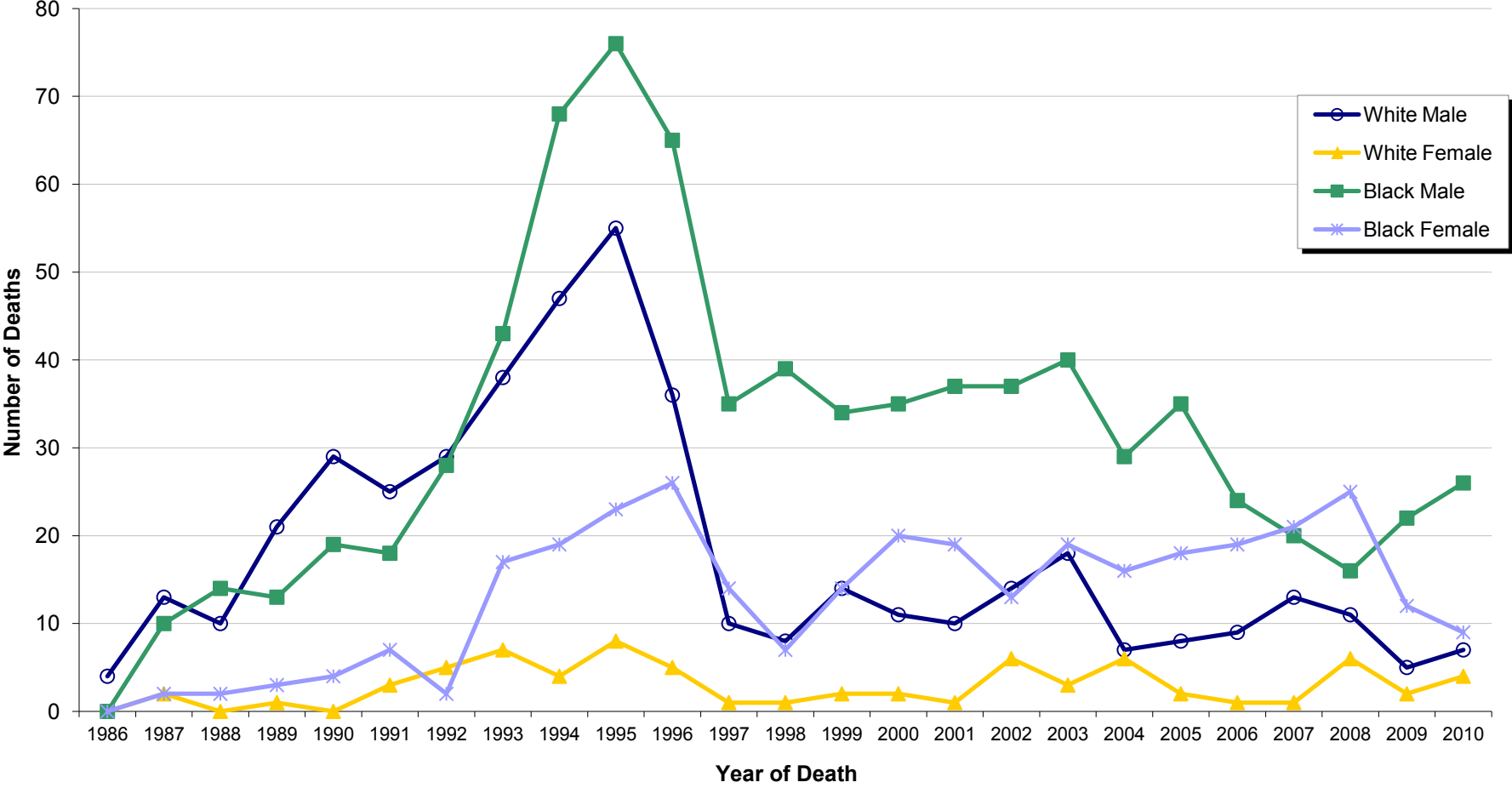
AIDS

**Sources:**

Delaware Health Statistics Center  
National Center for Health Statistics



**Figure F-3**  
**Number of HIV Deaths by Race and Sex**  
**Delaware, 1986-2010**



Source: Delaware Health Statistics Center

TABLE F-26  
NUMBER AND PERCENT OF DEATHS BY METHOD OF DISPOSITION AND RACE  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2010

Area/ Method of Disposition	Race							
	All Races		White		Black		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	7667	100.0	6274	100.0	1258	100.0	135	100.0
Burial	4201	54.8	3274	52.2	866	68.8	61	45.2
Cremation	3122	40.7	2683	42.8	377	30.0	62	45.9
Donation	62	0.8	59	0.9	2	0.2	1	0.7
Entombment	168	2.2	163	2.6	1	0.1	4	3.0
Removal from State	80	1.0	70	1.1	4	0.3	6	4.4
Unknown	34	0.4	25	0.4	8	0.6	1	0.7
<b>Kent</b>	1345	100.0	1080	100.0	231	100.0	34	100.0
Burial	766	57.0	588	54.4	162	70.1	16	47.1
Cremation	539	40.1	459	42.5	65	28.1	15	44.1
Donation	11	0.8	10	0.9	0	0.0	1	2.9
Entombment	8	0.6	7	0.6	0	0.0	1	2.9
Removal from State	15	1.1	13	1.2	1	0.4	1	2.9
Unknown	6	0.4	3	0.3	3	1.3	0	0.0
<b>New Castle</b>	4221	100.0	3316	100.0	828	100.0	77	100.0
Burial	2398	56.8	1813	54.7	551	66.5	34	44.2
Cremation	1613	38.2	1309	39.5	268	32.4	36	46.8
Donation	25	0.6	24	0.7	1	0.1	0	0.0
Entombment	143	3.4	140	4.2	1	0.1	2	2.6
Removal from State	29	0.7	21	0.6	3	0.4	5	6.5
Unknown	13	0.3	9	0.3	4	0.5	0	0.0
Wilmington	713	100.0	294	100.0	406	100.0	13	100.0
Burial	411	57.6	144	49.0	260	64.0	7	53.8
Cremation	276	38.7	130	44.2	142	35.0	4	30.8
Donation	0	0.0	0	0.0	0	0.0	0	0.0
Entombment	18	2.5	17	5.8	1	0.2	0	0.0
Removal from State	7	1.0	3	1.0	2	0.5	2	15.4
Unknown	1	0.1	0	0.0	1	0.2	0	0.0
Balance of NC County	3508	100.0	3022	100.0	422	100.0	64	100.0
Burial	1987	56.6	1669	55.2	291	69.0	27	42.2
Cremation	1337	38.1	1179	39.0	126	29.9	32	50.0
Donation	25	0.7	24	0.8	1	0.2	0	0.0
Entombment	125	3.6	123	4.1	0	0.0	2	3.1
Removal from State	22	0.6	18	0.6	1	0.2	3	4.7
Unknown	12	0.3	9	0.3	3	0.7	0	0.0
<b>Sussex</b>	2101	100.0	1878	100.0	199	100.0	24	100.0
Burial	1037	49.4	873	46.5	153	76.9	11	45.8
Cremation	970	46.2	915	48.7	44	22.1	11	45.8
Donation	26	1.2	25	1.3	1	0.5	0	0.0
Entombment	17	0.8	16	0.9	0	0.0	1	4.2
Removal from State	36	1.7	36	1.9	0	0.0	0	0.0
Unknown	15	0.7	13	0.7	1	0.5	1	4.2

DISPRACE

**Note:**  
Percentages are calculated based upon the total number of deaths in each race category.

**Source:**  
Delaware Health Statistics Center

TABLE F-27  
LIFE EXPECTANCY AT BIRTH\* BY RACE AND SEX

DELAWARE, 1990-2010

Year	Race and Sex								
	All Races			White			Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
2010	79.1	76.4	81.7	79.4	76.9	81.7	76.7	72.5	80.7
2009	78.9	76.3	81.4	79.6	77.1	82.1	76.0	72.7	79.0
2008	78.3	75.7	80.8	78.9	76.3	81.4	75.7	72.7	78.4
2007	78.8	76.0	81.5	79.2	76.5	81.9	76.2	72.9	79.3
2006	78.4	75.7	81.0	79.1	76.4	81.7	74.8	71.4	77.8
2005	77.7	75.0	80.2	78.4	75.7	81.0	74.1	71.3	76.6
2004	77.8	74.9	80.5	78.3	75.5	80.9	73.8	70.4	77.0
2003	76.9	74.5	80.0	78.1	75.3	80.7	72.6	69.2	75.8
2002	77.3	74.6	79.8	77.8	75.4	80.1	73.8	69.5	77.9
2001	76.3	73.9	78.7	77.1	74.6	79.5	72.1	69.5	74.4
2000	76.5	73.9	79.0	77.1	74.5	79.6	72.5	69.4	75.5
1999	76.8	73.9	79.6	77.6	74.7	80.3	72.6	68.8	76.2
1998	75.9	73.3	78.4	77.0	74.5	79.4	70.3	66.9	73.5
1997	75.8	73.3	78.2	76.7	74.2	79.1	71.0	68.3	73.5
1996	75.4	72.5	78.1	76.7	73.9	79.4	68.8	65.2	72.2
1995	75.5	72.5	78.4	76.8	74.2	79.4	68.9	64.4	73.5
1994	75.1	71.4	78.7	76.1	72.6	79.6	69.5	65.0	74.1
1993	75.2	71.9	78.5	76.5	73.6	79.3	68.5	63.4	73.6
1992	75.4	72.4	78.2	76.3	73.5	78.9	70.3	66.2	74.3
1991	75.0	71.9	77.9	76.0	73.0	78.9	69.4	66.2	72.4
1990	75.0	71.9	77.9	76.0	73.2	78.8	69.3	65.4	73.1

LIFE\_TB1

**Note:**

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

**Source:**

Delaware Health Statistics Center

TABLE F-28  
AVERAGE REMAINING YEARS OF LIFE\* BY AGE, RACE, AND SEX

DELAWARE, 2010

Age Group	Race and Sex								
	All Races			White			Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
0-5	79.1	76.4	81.7	79.4	76.9	81.7	76.7	72.5	80.7
5-10	74.7	71.9	77.3	74.8	72.4	77.3	72.6	68.4	76.5
10-15	69.7	67.0	72.3	69.9	67.4	72.3	67.6	63.5	71.5
15-20	64.7	62.1	67.3	64.9	62.5	67.3	62.7	58.6	66.5
20-25	59.9	57.3	62.5	60.1	57.7	62.4	57.9	53.8	61.7
25-30	55.2	52.7	57.7	55.4	53.1	57.7	53.2	49.4	56.8
30-35	50.5	48.1	52.8	50.7	48.5	52.8	48.5	44.8	51.9
35-40	45.8	43.4	48.0	46.0	43.8	48.0	43.9	40.3	47.1
40-45	41.1	38.8	43.4	41.3	39.2	43.4	39.3	35.8	42.5
45-50	36.6	34.4	38.7	36.8	34.7	38.8	34.8	31.4	37.8
50-55	32.3	30.2	34.2	32.5	30.6	34.3	30.5	27.2	33.4
55-60	28.1	26.1	29.9	28.3	26.5	29.9	26.5	23.5	29.2
60-65	24.0	22.2	25.6	24.2	22.5	25.7	22.7	19.8	25.2
65-70	20.2	18.5	21.6	20.3	18.7	21.6	19.2	16.3	21.6
70-75	16.6	15.3	17.7	16.6	15.4	17.6	16.3	13.9	18.1
75-80	13.4	12.2	14.3	13.3	12.2	14.2	13.5	11.4	14.9
80-85	10.5	9.7	11.1	10.4	9.5	10.9	11.4	9.7	12.3
85+	8.3	7.7	8.6	8.1	7.5	8.4	9.6	8.3	10.2

LIFE\_TB2

**Note:**

\*Average number of years of life remaining at the beginning of the age interval.

**Source:**

Delaware Health Statistics Center

TABLE F-29  
MATERNAL DEATHS

DELAWARE AND COUNTIES, 1985-2010

Year	Area			
	Delaware	Kent	New Castle	Sussex
2010	2	0	0	2
2009	4	1	3	0
2008	3	1	2	0
2007	1	0	1	0
2006	1	0	1	0
2005	3	0	3	0
2004	1	0	1	0
2003	2	0	2	0
2002	0	0	0	0
2001	2	0	1	1
2000	3	1	2	0
1999	1	0	1	0
1998	2	0	2	0
1997	1	0	1	0
1996	0	0	0	0
1995	0	0	0	0
1994	0	0	0	0
1993	0	0	0	0
1992	0	0	0	0
1991	1	0	0	1
1990	0	0	0	0
1989	2	0	1	1
1988	1	0	1	0
1987	0	0	0	0
1986	0	0	0	0
1985	1	0	1	0

MATERNAL

**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 Health Statistics Center

TABLE F-30  
 FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED CAUSES OF DEATH

DELAWARE AND COUNTIES, 2006-2010

LEADING CAUSES OF DEATH	AREA				RACE	
	DE	Kent	NCC	Sussex	White	Black
Diseases of the heart	178.8	233.7	171.0	166.1	176.0	206.0
Malignant neoplasms	183.5	206.8	184.2	171.3	182.8	202.2
Chronic lower respiratory diseases	41.2	54.7	40.9	35.5	43.1	33.2
Cerebrovascular diseases	38.2	39.0	43.3	29.0	35.8	54.3
Accidents (unintentional injuries)	36.8	37.5	34.2	46.6	41.5	26.1
Dementia	34.4	30.3	43.8	19.8	34.0	40.4
Diabetes mellitus	20.6	26.3	21.1	16.5	17.8	38.7
Alzheimer's disease	18.9	20.3	17.0	21.7	19.2	16.6
Nephritis, nephrotic syndrome, and nephrosis	16.5	16.5	18.3	13.2	14.2	31.8
Influenza and pneumonia	12.9	15.0	13.4	11.1	13.1	12.0
Septicemia	11.9	18.0	12.0	8.6	10.9	18.1
Intentional self-harm (suicide)	11.0	11.2	10.2	13.5	13.3	5.4
Other diseases of respiratory system	8.8	11.3	8.4	8.3	8.6	10.1
Chronic liver disease and cirrhosis	8.4	9.5	7.6	9.3	9.0	7.0
Certain conditions originating in the perinatal period	6.1	4.2	7.1	4.6	3.6	13.2
Assault (homicide)	6.1	4.1	7.5	3.5	3.0	16.5
Human immunodeficiency virus (HIV)	5.5	5.6	6.3	3.4	1.8	21.6
Parkinson's disease	5.2	5.1	5.6	4.6	5.7	NA
Essential hypertension and hypertensive renal disease	5.1	7.4	5.1	4.0	4.3	9.8
Pneumonitis due to solids and liquids	4.8	3.0	4.7	5.8	4.8	4.4
Aortic aneurysm and dissection	3.2	2.8	3.2	3.5	3.2	3.6
Congenital malformations, deformations, and chromosomal abnormalities	2.9	3.4	2.6	3.2	3.0	2.5

AADR

**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 Health Statistics Center

TABLE F-31  
 FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH  
 DELAWARE AND COUNTIES, 1990-2010

Cause of Death/ Area	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>Diseases of the heart</b>																	
Delaware	321.8	313.8	306.8	301.5	292.1	283.6	275.1	267.4	257.5	252.3	244.2	236.7	223.9	215.1	201.7	190.0	178.8
Kent	331.8	322.5	317.3	317.0	313.5	312.7	308.3	304.4	296.9	291.0	279.6	275.3	267.2	262.7	251.6	243.1	233.7
New Castle	317.6	309.7	303.1	296.8	287.7	276.5	267.1	259.7	250.9	246.2	240.3	233.5	220.1	211.3	196.1	182.9	171.0
Sussex	328.5	320.2	311.1	305.0	290.6	284.5	276.3	265.3	251.9	246.4	235.3	224.0	209.7	198.6	187.4	176.6	166.1
<b>Malignant neoplasms</b>																	
Delaware	242.7	240.0	238.9	236.1	231.2	228.2	221.2	218.0	210.9	206.7	202.9	201.3	195.0	193.9	192.0	186.1	183.5
Kent	229.2	230.2	230.6	222.4	222.5	228.8	220.4	221.9	219.0	217.8	211.9	213.8	206.3	208.8	210.6	208.1	206.8
New Castle	245.1	242.0	240.1	238.2	235.2	230.5	223.4	219.9	212.7	206.7	203.2	202.3	195.2	192.8	192.8	187.1	184.2
Sussex	245.8	242.2	241.8	241.0	227.4	223.4	218.0	213.1	203.9	202.0	198.6	194.2	190.6	190.4	183.0	175.0	171.3
<b>Cerebrovascular diseases</b>																	
Delaware	57.6	56.3	53.7	52.6	52.0	50.8	51.8	51.6	51.7	51.0	48.8	45.9	44.1	41.5	39.0	38.9	38.2
Kent	68.4	66.4	69.2	70.1	69.0	63.4	60.6	55.1	55.8	53.8	50.6	49.4	48.4	42.6	39.4	41.2	39.0
New Castle	56.3	54.0	51.7	49.7	49.9	50.0	53.1	53.8	54.0	54.1	52.4	49.4	48.0	47.3	44.6	44.1	43.3
Sussex	54.3	56.0	49.6	49.4	47.1	45.5	44.1	45.0	44.3	42.9	40.6	36.8	34.1	30.0	28.5	28.4	29.0
<b>Chronic lower respiratory diseases</b>																	
Delaware	39.8	39.7	40.2	40.4	40.9	41.4	42.5	41.9	42.2	41.3	40.5	41.0	40.6	39.8	41.4	41.9	41.2
Kent	45.7	46.3	49.3	52.8	54.0	54.2	52.5	49.4	45.1	44.7	45.7	48.9	49.6	51.4	55.5	55.9	54.7
New Castle	34.8	34.8	35.8	37.2	38.2	39.2	41.5	41.8	41.5	40.5	40.0	39.4	39.2	39.2	41.2	41.5	40.9
Sussex	50.0	48.7	45.9	40.9	39.6	38.9	38.7	37.7	41.8	40.6	38.5	40.0	38.8	35.8	35.5	36.0	35.5
<b>Diabetes mellitus</b>																	
Delaware	30.1	29.3	29.0	28.0	28.4	27.9	26.9	26.9	26.4	25.8	25.8	26.0	24.6	24.0	22.8	22.0	20.6
Kent	29.1	30.8	32.0	32.7	31.2	31.9	28.8	27.6	28.3	28.0	27.3	30.6	30.5	29.0	28.6	28.8	26.3
New Castle	29.8	27.8	27.1	26.7	27.5	26.6	26.6	27.3	26.2	25.1	26.1	26.1	24.4	24.4	23.3	22.2	21.1
Sussex	31.9	32.7	32.0	28.3	28.9	28.6	26.6	25.9	26.0	26.2	24.6	23.7	21.8	20.8	18.9	18.0	16.5
<b>Influenza and pneumonia</b>																	
Delaware	33.9	33.9	33.3	32.2	33.1	30.6	30.2	28.7	26.2	22.2	21.1	18.7	16.9	15.0	14.7	13.8	12.9
Kent	34.6	32.0	32.4	30.3	31.5	32.9	36.5	34.1	31.7	27.3	24.9	20.4	19.9	18.1	17.3	16.1	15.0
New Castle	31.0	31.3	31.7	30.6	30.7	28.2	27.5	25.1	23.2	19.2	17.7	15.8	14.4	13.0	13.6	13.6	13.4
Sussex	41.5	42.2	38.3	37.9	40.1	35.1	33.3	34.4	30.2	26.3	26.9	23.9	20.4	17.6	15.5	13.0	11.1
<b>Alzheimer's disease</b>																	
Delaware	7.2	7.0	7.3	7.6	7.8	9.4	11.1	13.2	14.6	16.5	17.0	18.0	18.5	19.2	19.5	18.9	18.9
Kent	4.7	---	4.4	---	---	4.0	5.0	8.8	10.1	12.1	12.8	14.1	13.2	15.9	17.9	18.6	20.3
New Castle	8.3	7.9	8.3	8.9	9.7	11.7	13.8	16.0	17.4	18.8	18.1	18.1	18.4	18.6	17.8	17.1	17.0
Sussex	6.0	6.1	6.3	6.6	6.3	6.9	8.2	9.1	10.8	13.7	16.9	19.8	21.4	22.2	23.7	22.4	21.7
<b>Nephritis, nephrotic syndrome, and nephrosis</b>																	
Delaware	13.9	13.6	13.6	12.9	13.3	13.2	13.5	13.6	14.1	14.2	14.5	14.4	14.9	15.3	16.0	16.4	16.5
Kent	8.9	9.9	10.2	10.2	11.5	10.8	12.4	15.3	17.6	18.0	19.9	18.3	16.7	15.8	17.5	16.1	16.5
New Castle	15.5	15.1	14.7	14.2	14.5	14.5	14.2	13.8	13.6	13.4	13.8	14.0	15.0	16.3	17.4	18.0	18.3
Sussex	12.9	12.0	12.9	11.1	11.3	11.5	12.8	12.2	13.7	14.3	13.1	13.0	13.5	13.1	12.4	13.6	13.2
<b>Septicemia</b>																	
Delaware	12.8	13.5	14.2	14.6	15.1	14.4	15.2	15.6	16.0	16.0	15.9	15.1	14.3	13.4	13.1	12.6	11.9
Kent	11.3	10.7	10.7	11.6	12.0	11.9	13.8	14.4	15.7	17.0	18.3	17.7	18.5	18.1	18.2	17.3	18.0
New Castle	14.5	15.5	16.3	16.9	17.3	16.6	17.5	17.5	17.4	17.1	16.6	15.7	14.8	13.9	13.8	13.3	12.0
Sussex	9.3	10.3	11.2	10.8	11.6	10.9	10.8	12.0	12.8	13.0	13.3	12.8	11.4	10.2	9.4	9.2	8.6

TABLE F-31 (continued)

Cause of Death/ Area	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>Intentional self-harm (suicide)</b>																	
Delaware	12.0	11.8	12.1	12.0	11.2	11.2	11.0	11.2	10.7	11.1	11.1	11.0	10.2	10.4	10.6	10.7	11.0
Kent	11.0	9.9	11.7	11.6	11.4	11.9	12.6	12.1	11.7	11.5	10.5	10.1	10.3	9.8	10.3	11.2	11.2
New Castle	12.0	11.7	11.8	11.3	10.2	10.1	9.8	10.3	9.9	10.7	11.0	11.2	10.0	10.3	10.2	10.1	10.2
Sussex	12.8	14.0	13.8	14.5	14.2	14.0	13.3	12.8	12.2	11.8	11.4	10.4	10.8	11.0	11.8	12.1	13.5
<b>Chronic liver disease and cirrhosis</b>																	
Delaware	10.6	9.8	9.9	9.5	9.1	9.2	9.3	9.0	9.4	9.8	9.8	9.5	9.1	8.5	8.0	8.1	8.4
Kent	11.1	11.1	10.2	10.3	10.0	9.8	10.5	10.8	11.4	12.1	11.5	10.7	10.1	9.7	8.7	9.2	9.5
New Castle	10.6	9.7	9.9	9.4	8.7	8.8	9.0	8.3	8.6	9.1	9.5	8.9	8.9	8.0	7.6	7.3	7.6
Sussex	9.8	9.2	9.6	9.0	9.4	9.5	9.0	9.7	10.1	10.5	10.1	10.5	9.3	9.2	8.7	9.0	9.3
<b>Assault (homicide)</b>																	
Delaware	5.2	5.2	5.4	5.2	4.9	4.7	4.2	3.6	3.7	3.5	3.8	4.5	5.0	5.0	6.0	6.1	6.1
Kent	6.3	6.1	5.5	4.1	3.4	---	---	---	---	---	---	---	3.0	3.6	4.4	4.0	4.1
New Castle	4.8	4.9	5.2	5.3	5.3	5.3	5.1	4.5	4.6	4.3	4.6	5.3	5.9	6.0	7.2	7.4	7.5
Sussex	5.8	5.9	5.9	5.6	5.0	4.6	2.8	---	---	---	---	3.6	3.3	2.9	3.2	3.6	3.5
<b>Certain conditions originating in the perinatal period</b>																	
Delaware	6.9	6.1	5.4	5.3	5.3	5.8	6.7	7.8	8.3	8.4	8.2	8.2	7.4	7.0	6.8	6.9	6.1
Kent	6.1	5.2	5.3	5.5	5.6	5.9	6.8	7.2	7.9	8.1	8.1	7.9	6.5	5.1	4.9	5.4	4.2
New Castle	7.6	6.8	5.8	5.5	5.1	5.9	6.9	8.2	8.8	9.2	8.7	8.7	8.1	7.8	7.6	7.8	7.1
Sussex	4.7	4.1	3.6	4.2	5.8	5.5	5.8	7.2	6.8	6.0	6.3	6.6	6.1	6.4	6.1	5.8	4.6
<b>Congenital malformations</b>																	
Delaware	4.5	4.3	4.2	4.4	4.1	4.1	3.9	3.7	3.5	3.4	3.4	3.1	3.1	2.8	2.8	2.6	2.9
Kent	6.4	5.2	4.7	3.6	3.5	3.3	3.2	3.3	3.9	3.5	3.4	3.0	3.4	2.8	3.2	2.8	3.4
New Castle	3.6	3.7	3.7	4.0	3.8	3.9	3.9	3.6	3.2	3.1	3.2	3.0	2.9	2.7	2.6	2.5	2.6
Sussex	5.8	6.0	5.7	6.5	5.9	5.5	4.8	4.6	4.0	3.9	3.8	3.7	3.6	3.4	3.0	2.6	3.2
<b>Human immunodeficiency virus (HIV)</b>																	
Delaware	11.8	14.6	16.5	16.2	14.6	12.5	9.9	8.1	8.2	8.8	8.4	8.2	7.7	7.2	6.5	6.0	5.5
Kent	9.6	11.5	11.7	10.5	9.4	8.0	5.9	5.2	4.8	5.2	5.1	5.1	5.2	5.8	5.6	5.1	5.6
New Castle	13.0	16.2	18.8	19.0	17.2	14.9	12.1	9.8	9.9	10.8	10.7	10.4	9.6	8.8	7.7	7.1	6.3
Sussex	9.1	11.8	12.3	11.0	10.0	8.3	5.9	5.2	5.8	5.5	4.3	3.7	3.9	3.5	3.9	3.8	3.4
<b>Accidents (unintentional injuries)</b>																	
Delaware	35.4	35.7	35.4	36.1	36.4	35.8	36.0	36.9	36.4	36.0	35.8	35.1	35.2	34.7	35.6	35.9	36.8
Kent	38.1	39.6	38.0	35.2	35.0	37.8	37.5	38.9	37.7	37.6	38.3	38.9	40.5	39.5	39.7	38.0	37.5
New Castle	30.9	30.7	31.0	32.4	33.4	33.4	34.0	34.5	34.6	33.7	32.3	31.5	31.8	31.6	32.7	33.2	34.2
Sussex	51.1	51.3	49.6	50.8	48.6	42.2	42.1	44.0	42.1	43.0	46.4	44.1	42.5	42.4	43.9	44.8	46.6
<b>Essential hypertension and hypertensive renal disease</b>																	
Delaware	3.5	3.4	3.8	3.7	4.2	4.2	4.8	5.2	5.7	5.9	6.9	7.2	6.8	6.3	6.0	5.4	5.1
Kent	5.3	5.9	5.5	5.7	5.2	4.9	4.5	5.5	6.3	6.3	7.1	8.9	9.1	7.8	7.8	7.6	7.4
New Castle	2.9	2.6	3.0	2.8	3.5	3.6	4.4	4.9	5.4	5.9	7.2	7.5	7.0	6.9	6.3	5.6	5.1
Sussex	3.8	4.1	4.8	4.6	5.5	5.6	6.1	5.7	5.9	5.6	5.9	5.4	5.0	4.4	4.4	4.1	4.0
<b>Aortic aneurysm and dissection</b>																	
Delaware	8.4	8.4	7.1	7.0	6.7	6.5	6.4	6.6	6.3	6.7	6.3	5.8	5.0	4.5	3.7	3.4	3.2
Kent	9.2	9.1	7.8	7.7	8.0	8.6	9.0	9.3	9.9	10.0	9.3	8.3	7.2	5.5	4.0	3.0	2.8
New Castle	7.3	7.6	6.2	6.2	6.0	5.9	5.8	6.2	5.9	6.3	5.8	5.4	4.5	3.8	3.2	3.2	3.2
Sussex	10.7	10.3	9.2	8.7	7.7	6.6	6.5	6.0	5.4	5.9	6.1	5.7	5.3	5.4	4.7	4.1	3.5

TABLE F-31 (continued)

Cause of Death/ Area	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>Pneumonitis due to solids and liquids</b>																	
Delaware	4.1	4.2	4.5	5.2	5.7	7.0	7.8	8.9	9.1	9.7	8.9	8.2	7.1	6.3	5.4	5.2	4.8
Kent	---	---	---	---	---	4.5	4.8	4.1	5.0	5.9	5.3	5.4	5.0	3.9	3.3	3.4	3.0
New Castle	4.9	5.4	5.4	6.3	6.9	8.3	8.9	10.6	10.5	10.9	9.9	9.2	7.5	6.6	5.5	5.2	4.7
Sussex	---	---	3.1	3.7	4.2	5.3	7.1	7.7	8.5	9.3	9.1	7.8	7.5	7.1	6.3	6.1	5.8
<b>Other diseases of respiratory system</b>																	
Delaware	7.1	7.2	7.4	7.6	7.9	7.9	8.3	8.4	8.8	8.4	8.7	8.5	8.9	8.8	9.0	8.8	8.8
Kent	5.5	5.6	4.9	5.5	6.2	7.2	9.2	8.9	9.6	9.5	9.5	9.0	10.3	10.6	10.5	10.6	11.3
New Castle	7.0	7.0	7.2	7.5	7.4	7.5	7.8	8.1	8.3	8.2	8.8	8.7	8.7	8.3	9.0	8.7	8.4
Sussex	8.1	8.4	9.4	9.3	10.1	9.3	9.3	8.9	9.4	8.4	8.3	7.6	8.4	8.6	8.3	8.3	8.3
<b>Parkinson's disease</b>																	
Delaware	3.5	3.4	3.5	3.4	3.8	4.0	4.6	5.1	5.5	5.5	5.4	5.7	5.5	5.6	5.6	5.6	5.2
Kent	---	---	---	---	---	---	---	4.3	4.6	4.7	4.1	4.7	4.6	4.4	4.4	5.5	5.1
New Castle	4.2	4.2	4.1	4.0	4.3	4.4	5.0	5.5	6.0	5.9	5.9	6.2	6.1	6.4	6.3	6.1	5.6
Sussex	---	---	2.7	2.5	2.7	3.4	4.1	4.7	5.0	4.9	5.1	5.3	4.7	4.8	5.1	4.9	4.6
<b>Dementia</b>																	
Delaware	5.3	5.7	5.6	5.9	6.4	5.8	6.5	7.2	8.5	9.5	10.6	12.1	16.1	19.8	24.7	30.0	34.4
Kent	5.6	7.2	7.0	6.9	7.4	6.8	8.6	8.8	12.6	13.9	14.6	13.1	14.2	15.3	20.5	26.3	30.3
New Castle	4.6	4.7	4.8	5.0	5.8	5.5	6.3	7.3	8.3	9.2	10.6	13.2	18.8	24.8	31.8	38.6	43.8
Sussex	7.2	7.2	6.7	7.5	7.1	5.9	5.8	5.9	6.7	7.7	8.6	9.7	11.7	12.2	13.4	16.1	19.8

AA DR\_TRND(2)

**Notes:**

1. Rates per 100,000, adjusted to U.S. 2000 population.
2. See Appendix E for ICD-9 and ICD-10 cause of death codes.
3. "---" indicates rate does not meet standards of reliability or precision; based on fewer than 20 deaths in the numerator.

**Source:**

Delaware Health Statistics Center



TABLE F-32  
 FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX  
 DELAWARE, 1990-2010

Cause of Death/ Race-Sex	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>Diseases of the heart</b>																	
White	317.0	309.1	301.5	296.8	286.5	278.6	270.1	262.1	251.9	246.3	237.2	229.4	217.3	209.0	197.2	186.5	176.0
Male	399.2	389.0	382.2	378.2	363.3	348.7	341.3	328.7	312.4	303.9	294.7	283.0	268.7	261.6	248.9	234.3	222.1
Female	258.6	252.3	244.3	237.5	229.2	225.8	215.9	210.6	205.2	201.1	192.0	187.0	176.7	167.2	157.0	148.6	139.7
Black	350.5	340.8	339.0	330.7	329.4	321.5	311.9	306.3	296.9	298.4	298.7	293.4	278.4	268.3	241.3	220.1	206.0
Male	423.9	410.6	415.5	402.3	404.5	393.2	378.9	364.6	356.0	357.2	362.7	347.8	338.1	325.2	293.0	263.7	261.0
Female	297.6	287.2	284.1	279.8	276.7	271.0	264.8	263.9	254.8	257.1	252.8	253.7	235.1	224.5	202.5	186.4	166.1
<b>Malignant neoplasms</b>																	
White	232.0	229.7	228.4	225.6	222.9	219.7	214.1	212.8	206.7	201.6	199.2	198.0	191.7	191.7	191.5	185.3	182.8
Male	298.9	293.5	294.1	289.0	282.3	275.3	264.9	259.5	253.3	247.7	245.9	244.5	237.1	233.0	231.6	222.4	220.1
Female	190.6	190.0	188.2	186.5	186.1	185.8	182.6	182.9	176.2	171.1	167.8	166.7	160.9	163.5	163.7	159.0	156.0
Black	332.7	328.2	328.1	326.6	306.3	302.7	285.0	267.6	253.6	254.8	241.8	240.0	233.3	223.8	212.2	207.8	202.2
Male	480.2	473.3	468.0	449.2	408.4	406.7	371.3	343.0	334.0	334.1	309.9	311.5	300.6	283.3	263.4	261.0	256.4
Female	244.6	240.7	245.8	253.0	246.9	243.1	235.3	223.7	208.4	207.6	199.2	195.2	189.8	184.9	178.0	173.0	166.8
<b>Cerebrovascular diseases</b>																	
White	54.1	52.5	50.1	49.2	48.7	48.0	49.2	49.3	49.2	48.8	46.4	43.4	41.9	39.0	36.6	36.3	35.8
Male	55.9	54.6	52.5	52.0	51.6	50.0	50.5	52.0	50.8	50.3	48.7	47.0	42.5	38.7	35.5	34.0	33.1
Female	52.2	50.3	47.8	46.8	46.0	45.8	47.3	46.7	47.5	47.1	44.6	41.1	41.2	38.6	36.9	37.3	36.9
Black	83.3	84.3	81.1	77.5	75.2	71.0	70.7	68.6	69.9	66.8	67.2	64.5	61.1	60.2	57.8	57.3	54.3
Male	93.9	90.6	92.6	84.7	87.5	80.5	78.1	66.8	67.4	63.8	60.0	61.8	64.1	66.7	66.1	66.0	63.5
Female	75.7	79.4	72.7	71.5	65.6	62.7	64.4	67.2	68.6	66.4	68.7	64.4	58.5	55.6	52.3	51.5	47.4
<b>Chronic lower respiratory diseases</b>																	
White	41.1	41.1	41.6	41.9	42.1	42.5	43.5	42.7	43.1	42.2	41.3	42.3	42.0	41.4	43.1	43.8	43.1
Male	52.5	52.8	53.6	53.5	55.6	55.5	54.5	52.3	51.1	47.7	46.0	46.7	45.4	45.0	47.9	47.7	45.5
Female	35.5	35.4	35.8	36.8	36.0	36.5	38.3	38.0	38.9	39.4	38.6	39.6	39.9	38.9	39.5	41.0	41.3
Black	29.9	30.3	30.8	31.6	33.0	34.4	35.6	35.8	35.1	34.0	34.4	32.2	32.5	32.3	34.1	33.2	33.2
Male	54.9	54.1	53.6	50.2	44.3	48.7	51.1	50.9	53.0	51.9	50.3	46.3	47.7	46.6	51.4	48.7	47.3
Female	14.1	15.4	17.0	20.2	25.3	26.0	25.8	26.0	24.0	22.4	23.9	23.6	23.7	24.2	24.9	25.0	25.6
<b>Diabetes mellitus</b>																	
White	25.8	24.7	24.6	24.1	24.5	23.8	23.2	23.5	22.7	22.4	22.2	22.8	21.5	20.8	19.8	19.3	17.8
Male	26.2	25.9	26.5	25.6	26.2	26.6	26.0	25.7	26.0	25.8	25.7	26.3	25.5	25.4	24.0	23.1	21.5
Female	25.1	23.4	23.0	23.0	23.2	21.9	21.3	21.8	20.3	19.7	19.6	20.2	18.6	17.5	16.7	16.2	14.6
Black	63.5	64.5	62.4	56.4	57.5	58.6	55.1	53.0	54.0	50.8	51.7	50.8	47.2	46.7	44.1	40.9	38.7
Male	52.5	55.1	58.4	55.0	62.3	62.4	59.1	59.5	62.1	54.7	56.1	54.4	50.9	49.6	50.5	46.5	45.0
Female	69.8	69.6	64.5	57.1	55.7	57.0	54.0	49.9	50.2	48.4	49.1	48.6	45.7	44.7	39.9	37.0	33.9
<b>Influenza and pneumonia</b>																	
White	33.2	32.9	32.1	31.3	32.6	30.5	30.3	29.2	26.7	22.6	21.4	18.8	17.0	15.0	14.7	14.1	13.1
Male	46.4	44.6	42.3	38.9	41.7	38.6	38.2	36.3	33.2	27.0	26.1	22.6	20.8	18.4	17.8	17.1	16.3
Female	27.0	27.1	26.8	27.0	27.6	25.8	25.9	25.1	22.8	19.7	18.5	16.4	14.4	12.9	12.8	12.1	11.0
Black	36.9	38.2	40.4	37.8	35.0	31.7	30.1	25.5	23.1	20.1	20.3	18.2	17.4	15.6	15.2	12.6	12.0
Male	53.9	56.9	62.6	62.8	56.0	46.6	45.0	39.0	32.8	28.7	31.8	28.5	26.1	24.3	24.8	18.6	17.6
Female	28.6	29.6	29.5	25.6	24.0	23.1	21.6	17.4	16.8	14.7	14.1	12.4	12.7	11.4	10.7	9.8	9.2

TABLE F-32 (continued)

Cause of Death/ Race-Sex	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>Alzheimer's disease</b>																	
White	7.6	7.4	7.6	8.0	8.2	9.8	11.5	13.8	15.3	17.1	17.4	18.5	18.9	19.7	20.2	19.5	19.2
Male	8.5	8.1	7.7	6.9	6.9	8.9	10.0	12.4	14.3	15.1	14.8	15.6	16.2	17.0	17.5	17.2	16.5
Female	7.2	7.1	7.5	8.4	8.8	10.3	12.1	14.6	15.8	18.1	18.9	20.1	20.3	21.1	21.6	20.6	20.8
Black	---	---	---	---	---	5.8	8.2	8.8	9.8	12.7	14.1	14.4	14.5	15.7	14.5	14.8	16.6
Male	---	---	---	---	---	---	---	---	---	---	14.2	---	---	13.4	12.7	12.3	13.6
Female	---	---	---	---	---	---	8.2	8.3	8.8	12.1	13.7	15.6	15.5	16.4	14.9	15.8	17.7
<b>Nephritis, nephrotic syndrome, and nephrosis</b>																	
White	11.6	11.7	12.1	11.4	11.5	11.3	11.2	11.1	11.9	12.2	12.6	12.5	13.0	13.1	13.8	14.0	14.2
Male	15.7	15.5	15.9	15.1	15.7	15.2	14.9	15.2	16.7	16.4	17.4	17.5	17.6	17.6	18.0	17.5	17.5
Female	9.7	9.8	10.5	9.5	9.3	9.3	9.2	8.7	9.1	9.7	9.7	9.5	9.9	10.1	10.9	11.6	11.9
Black	30.6	27.4	24.9	24.7	28.1	28.4	31.1	31.8	30.6	28.1	27.2	27.4	28.5	31.1	32.2	32.8	31.8
Male	35.2	31.7	29.7	27.5	30.8	32.7	38.7	35.8	39.0	37.4	36.6	35.3	39.7	41.8	42.5	40.8	40.0
Female	27.1	24.0	21.4	22.6	26.1	25.9	26.1	28.9	25.7	22.4	21.9	23.5	22.2	25.1	26.5	27.5	26.6
<b>Septicemia</b>																	
White	12.0	12.5	13.1	13.3	13.7	13.0	13.8	14.0	14.5	14.4	14.7	13.9	13.1	12.2	12.2	11.5	10.9
Male	13.0	13.7	13.5	13.8	15.6	15.3	16.0	16.0	16.7	15.8	16.5	15.5	14.9	14.3	14.0	12.6	12.1
Female	11.3	11.7	12.8	12.9	12.5	11.5	12.7	12.9	13.4	13.6	13.6	12.9	11.9	10.7	11.0	10.8	10.1
Black	18.6	21.1	21.9	23.7	25.2	25.7	25.9	28.7	28.1	28.9	25.7	24.6	23.2	21.9	19.9	19.7	18.1
Male	24.5	26.3	29.1	31.7	33.3	30.1	32.7	34.0	31.8	33.7	28.1	25.1	23.4	21.7	19.1	18.6	17.3
Female	15.9	19.1	19.0	20.5	22.0	23.7	22.1	25.7	26.3	26.1	23.9	24.6	23.2	21.9	20.3	20.3	18.3
<b>Intentional self-harm (suicide)</b>																	
White	13.4	13.2	13.5	13.4	12.6	12.7	12.8	12.9	12.3	13.0	12.9	12.6	12.0	12.4	12.5	12.6	13.3
Male	21.5	21.0	22.3	22.7	21.4	21.9	21.9	21.8	21.1	21.7	21.0	20.9	19.8	19.7	20.1	20.5	21.4
Female	6.3	6.4	5.9	5.1	4.5	4.3	4.4	4.7	4.4	5.1	5.5	5.0	4.8	5.7	5.3	5.3	5.5
Black	5.1	5.5	5.8	5.8	5.4	4.9	4.1	4.8	5.1	4.9	5.6	6.1	5.2	4.6	5.4	5.6	5.4
Male	10.1	11.6	12.4	11.7	11.2	9.7	7.7	8.9	10.0	9.3	10.1	10.8	9.9	8.2	9.5	10.8	10.3
Female	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Chronic liver disease and cirrhosis</b>																	
White	10.0	9.1	9.4	9.1	8.9	9.1	9.5	9.0	9.5	10.0	10.0	9.8	9.7	9.0	8.6	8.8	9.0
Male	14.9	14.2	13.7	12.5	12.2	13.0	12.6	11.8	11.6	12.1	11.5	11.8	12.4	11.8	11.7	12.5	12.9
Female	5.7	4.8	5.7	6.0	5.9	5.7	6.7	6.5	7.7	8.1	8.5	8.0	7.2	6.6	5.7	5.5	5.4
Black	14.2	14.7	13.5	12.6	10.7	10.0	8.6	9.1	9.0	9.5	9.3	8.2	7.3	6.6	6.4	6.3	7.0
Male	25.1	25.9	22.2	19.2	15.8	13.1	12.1	12.2	12.8	14.0	14.5	12.1	12.2	10.9	11.0	9.9	11.5
Female	---	---	---	---	---	7.1	---	6.4	---	5.8	---	---	---	---	---	---	---
<b>Assault (homicide)</b>																	
White	3.3	3.7	3.6	3.5	3.2	3.1	2.4	2.2	2.2	2.0	2.1	2.6	2.5	2.4	3.0	3.1	3.0
Male	4.2	4.6	4.1	4.2	3.9	3.7	2.9	2.7	2.6	2.5	2.5	3.5	3.5	3.4	4.2	4.2	4.1
Female	2.4	3.0	3.2	2.8	2.6	2.4	1.9	1.7	1.8	1.6	1.7	1.7	1.5	1.5	1.7	1.9	1.9
Black	13.7	11.7	12.8	12.3	12.4	11.7	11.7	9.0	9.0	8.9	9.8	11.3	13.5	14.1	16.2	16.2	16.5
Male	20.3	18.2	20.1	19.8	18.9	18.8	18.2	14.4	15.0	15.9	16.9	20.2	24.6	25.8	30.1	30.7	31.1
Female	7.7	6.0	6.4	5.8	6.5	5.4	5.7	---	---	---	---	---	---	---	---	---	---

TABLE F-32 (continued)

Cause of Death/ Race-Sex	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>Certain conditions originating in the perinatal period</b>																	
White	4.5	4.0	3.3	3.2	3.2	3.3	4.2	5.1	5.8	6.2	6.2	5.7	5.1	4.8	4.5	4.2	3.6
Male	4.7	4.2	3.6	3.3	3.1	3.4	4.7	5.7	6.3	6.9	6.5	5.9	5.3	5.4	5.1	5.1	4.4
Female	4.3	3.8	2.9	3.0	3.2	3.1	3.7	4.5	5.4	5.5	5.8	5.5	4.8	4.2	3.9	3.4	2.8
Black	15.1	12.9	12.0	11.7	11.9	13.9	14.7	16.7	16.6	16.2	15.1	16.4	14.9	14.6	14.2	15.0	13.2
Male	17.9	15.6	14.9	15.7	14.0	16.4	16.8	18.8	19.0	18.9	17.1	19.1	16.8	15.7	14.8	16.0	13.8
Female	12.2	10.1	9.0	7.5	9.7	11.4	12.5	14.5	14.1	13.4	13.2	13.8	13.1	13.4	13.5	14.0	12.6
<b>Congenital malformations</b>																	
White	4.3	4.4	4.5	4.6	4.2	4.2	4.0	3.7	3.3	3.3	3.3	3.1	3.1	2.8	2.8	2.6	3.0
Male	4.8	4.9	4.9	4.7	4.2	4.3	4.2	3.7	3.6	3.9	3.7	3.3	3.3	3.0	2.7	2.4	2.9
Female	3.8	3.9	4.2	4.6	4.3	4.2	3.9	3.7	3.1	2.7	2.9	2.8	2.8	2.7	2.8	2.8	3.1
Black	5.1	3.9	3.1	3.2	3.4	3.4	3.5	3.9	4.0	3.6	3.7	3.6	3.3	2.9	3.0	2.6	2.5
Male	4.8	4.9	4.9	4.7	4.2	4.3	4.2	3.7	3.6	3.9	3.7	3.3	3.3	3.0	2.7	2.4	2.9
Female	3.8	3.9	4.2	4.6	4.3	4.2	3.9	3.7	3.1	2.7	2.9	2.8	2.8	2.7	2.8	2.8	3.1
<b>Human immunodeficiency virus (HIV)</b>																	
White	6.6	7.7	8.1	7.2	5.9	4.7	3.0	2.0	2.2	2.6	2.5	2.4	2.3	2.1	2.0	1.8	1.8
Male	12.1	13.7	14.2	12.8	10.6	8.4	5.4	3.6	3.7	4.4	3.9	3.6	3.5	3.5	3.0	2.9	2.8
Female	---	1.8	2.0	1.7	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	37.7	48.8	57.7	59.3	55.5	48.8	42.0	36.4	35.6	36.4	35.5	34.3	31.5	29.4	26.3	24.1	21.6
Male	65.1	83.0	97.0	97.3	93.3	80.3	66.9	56.7	55.8	54.8	52.6	51.3	46.1	40.0	32.7	29.5	26.7
Female	14.7	20.0	24.4	27.1	23.6	22.0	20.9	19.2	18.5	21.1	21.3	20.2	19.5	20.7	21.5	19.9	17.6
<b>Accidents (unintentional injuries)</b>																	
White	34.6	34.1	33.9	34.8	36.2	36.1	37.3	38.2	37.5	37.2	37.5	37.4	38.0	38.3	39.9	40.5	41.5
Male	51.7	51.3	49.8	50.2	51.1	48.4	50.1	50.9	50.6	51.4	51.5	51.8	53.2	54.5	55.7	57.1	57.0
Female	20.1	18.8	19.6	20.8	22.3	24.2	25.4	26.5	25.6	24.3	24.7	24.1	24.0	23.2	25.0	25.1	27.1
Black	43.8	46.3	44.9	44.5	39.9	36.5	34.2	36.2	37.5	37.3	35.2	32.1	29.6	26.4	24.2	24.6	26.1
Male	70.8	74.8	71.5	68.2	60.9	56.7	53.0	52.8	56.6	56.0	50.3	47.0	44.3	38.2	34.4	35.7	37.2
Female	24.3	26.8	26.2	27.8	24.0	21.4	18.6	22.0	21.1	21.7	21.9	19.7	17.6	16.6	15.4	15.4	16.5
<b>Essential hypertension and hypertensive renal disease</b>																	
White	2.7	2.5	2.8	2.9	3.5	3.5	4.2	4.5	5.0	5.1	5.7	6.0	5.7	5.2	4.8	4.4	4.3
Male	2.3	2.4	2.5	2.9	3.7	3.8	4.3	4.4	4.7	5.0	5.3	5.6	5.5	4.8	4.4	4.5	4.2
Female	2.9	2.7	3.0	2.9	3.4	3.3	4.0	4.3	5.0	5.0	5.8	6.1	5.7	5.4	4.8	4.3	4.2
Black	10.0	10.1	10.7	9.7	9.9	9.8	10.0	10.5	11.4	12.2	15.4	16.4	15.2	14.3	14.5	11.6	9.8
Male	---	---	---	---	---	12.7	12.9	13.1	11.8	14.2	19.8	20.4	19.5	20.2	18.1	12.0	10.4
Female	10.7	11.2	11.2	9.7	9.4	8.4	8.1	9.2	10.9	11.0	13.1	14.3	12.5	10.3	11.7	10.4	8.4
<b>Aortic aneurysm and dissection</b>																	
White	8.6	8.4	7.0	7.0	6.7	6.5	6.5	6.8	6.4	6.8	6.3	5.8	5.0	4.4	3.7	3.4	3.2
Male	14.1	13.6	11.3	11.3	10.8	10.6	10.4	11.3	10.0	9.6	8.8	8.3	6.9	6.2	5.5	5.1	4.7
Female	5.0	5.0	4.3	4.3	4.1	3.9	4.0	3.9	4.2	4.8	4.4	4.0	3.6	2.9	2.3	2.1	1.9
Black	6.7	8.4	7.5	6.6	6.1	5.6	5.0	5.0	5.5	6.0	6.9	6.4	5.4	5.1	4.1	3.7	3.6
Male	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Female	---	---	---	---	---	---	---	---	---	---	7.0	6.6	---	---	---	---	---

TABLE F-32 (continued)

Cause of Death/ Race-Sex	1990 -1994	1991 -1995	1992 -1996	1993 -1997	1994 -1998	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010
<b>Pneumonitis due to solids and liquids</b>																	
White	4.0	4.1	4.3	5.0	5.4	6.8	7.5	8.5	8.9	9.4	8.6	7.8	6.8	6.1	5.4	5.1	4.8
Male	5.3	5.8	5.8	7.3	8.8	10.1	10.5	11.8	11.5	11.6	10.5	9.5	7.9	7.4	6.4	6.3	6.1
Female	3.3	3.3	3.6	4.0	3.8	5.1	5.8	6.7	7.3	8.0	7.4	6.8	5.9	5.2	4.6	4.3	3.8
Black	---	---	6.0	6.4	7.4	8.8	10.5	11.3	10.4	11.7	10.6	10.7	9.0	8.1	5.6	5.5	4.4
Male	---	---	---	---	---	---	15.4	19.8	17.9	19.9	18.5	18.0	15.2	12.9	---	---	9.1
Female	---	---	---	---	---	---	---	---	---	6.8	---	6.7	---	---	---	---	---
<b>Other diseases of respiratory system</b>																	
White	6.7	7.1	7.3	7.6	8.1	8.2	8.5	8.6	8.8	8.5	8.9	8.6	9.1	9.0	9.0	8.7	8.6
Male	10.2	9.6	10.3	10.4	10.7	10.0	10.6	10.2	9.8	9.7	10.1	10.1	11.3	11.0	10.4	10.3	10.2
Female	4.6	5.4	5.5	5.7	6.2	6.6	7.0	7.3	8.1	7.8	8.1	7.7	7.7	7.5	8.0	7.6	7.5
Black	8.7	7.6	7.4	7.6	6.7	6.1	6.9	7.1	7.9	7.3	7.4	7.1	7.0	7.4	9.3	9.8	10.1
Male	12.8	11.6	---	---	---	---	---	---	---	---	9.1	10.5	9.6	9.7	11.4	12.7	13.7
Female	---	---	---	---	---	---	7.9	8.2	7.7	6.5	6.4	---	5.5	5.9	8.0	8.3	8.2
<b>Parkinson's disease</b>																	
White	3.7	3.6	3.7	3.6	3.9	4.3	5.0	5.5	6.0	5.9	5.9	6.1	5.8	6.0	6.1	6.0	5.7
Male	7.1	6.5	6.3	5.9	6.1	6.0	6.8	8.0	8.5	8.7	8.9	9.1	8.8	9.0	8.8	8.4	8.0
Female	1.9	2.0	2.2	2.3	2.8	3.4	3.9	4.2	4.6	4.3	4.2	4.4	4.1	4.2	4.5	4.6	4.4
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Male	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Female	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Dementia</b>																	
White	5.6	6.0	5.8	6.2	6.6	6.1	6.6	7.4	8.6	9.5	10.1	11.8	15.5	18.8	23.9	29.3	34.0
Male	6.5	7.5	7.1	7.3	7.5	7.0	7.9	7.8	7.9	8.3	8.7	9.4	12.8	15.6	20.0	24.9	29.3
Female	5.1	5.2	5.2	5.6	6.0	5.6	6.1	7.2	8.9	10.1	10.9	13.0	16.9	20.5	25.8	31.6	36.4
Black	---	---	---	---	---	---	6.0	5.8	8.7	10.4	15.4	16.3	23.1	30.1	34.3	37.1	40.4
Male	---	---	---	---	---	---	---	---	19.0	18.2	22.5	22.3	29.6	29.2	35.4	40.8	42.3
Female	---	---	---	---	---	---	---	---	---	---	12.5	13.5	20.1	30.2	33.8	34.9	39.1

AADR\_TRND(3)

**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 Health Statistics Center

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# Technical Notes

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## TECHNICAL NOTES

### SOURCES OF DATA

**BIRTHS, DEATHS AND FETAL DEATHS:** Birth, death and fetal death certificates were the source documents for data on vital events to Delaware residents. A copy of each certificate is included as Appendices F, G and H.

The cut-off date for data in this report was October 31 after the close of the calendar year. Any data pertaining to an event for which a certificate was filed after this date, are not included in this report. It is possible that data obtained directly from the Delaware Health Statistics Center (DHSC) may differ slightly from that which appear in this report. If this should occur, it is the result of an update that was made after the cut-off date for this report.

Births and deaths to Delaware residents which took place in other states are included in this report. The inclusion of these data is made possible by an agreement among all registration areas in the United States for the exchange of copies of resident certificates.

**MARRIAGES AND DIVORCES:** Each of Delaware's three counties has a state office for the collection of marriage certificates. All of these certificates are processed and maintained by the Office of Vital Statistics in the Division of Public Health's central office in Dover. Copies of divorce certificates are forwarded to the Office of Vital Statistics from the Delaware Family Court system so that certain selected data items can be processed for statistical purposes. A copy of each of these certificates is included as Appendices I and J.

**INDUCED TERMINATIONS OF PREGNANCY:** Beginning on January 1, 1997, all induced terminations of pregnancy (ITOP) were required to be reported to the Department. Reports of induced termination of pregnancy are filed directly with the DHSC. The reports are filed for statistical purposes only and are shredded and discarded when all reports for the data year have been coded. ITOP records are currently not being exchanged among the states, so events to Delaware residents occurring out-of-state are not included in this report. A copy of the reporting form is included as Appendix K.

**REPORTED PREGNANCIES:** Reported pregnancies refer to live births, fetal deaths, and ITOP. When used in combination, these three events can yield a great deal of information regarding pregnancy and pregnancy outcomes that is not possible by looking at each individual event separately. For example, live birth rates can be calculated using live births in conjunction with population data. However, differences observed between live birth rates in two or more geographic areas or within the same area at different points in time may be due to differences in the rate of pregnancy, differences in pregnancy outcomes (i.e., live birth, fetal death, or ITOP), or a combination of these factors. Only pregnancy rates allow such questions to be thoroughly examined. It should be kept in mind that both births and fetal deaths of Delaware residents are reported regardless of state of occurrence, while induced terminations are reported for only those that occur in Delaware.

**POPULATION PROJECTIONS:** The state, county and city population figures used in this report are estimates and projections produced by the Delaware Population Consortium (DPC). The DHSC is a member of the DPC and supplies birth and death data used in making the projections. Copies of the most recent projections for Delaware's population by age, race, sex, and geographic location are available at [http://stateplanning.delaware.gov/information/dpc\\_projections.shtml](http://stateplanning.delaware.gov/information/dpc_projections.shtml).

### **DATA QUALITY**

**QUERY AND FIELD PROGRAMS:** The quality of vital statistics data presented in this report is directly related to the completeness and accuracy of the information contained on the certificates and forms. The DHSC works with the Office of Vital Statistics to ensure that the information received is as complete and accurate as possible. The Office of Vital Statistics operates two programs related to improving the quality of information received on vital records--the query and field programs.

The query program is a system used to follow-back to hospital and clinic personnel, funeral directors and/or physicians concerning data quality problems. The follow-back contact is usually via mail and/or telephone. The field program attempts to improve vital statistics data quality by educating the participants in the vital registration system (i.e., hospital personnel, funeral directors, physicians, etc.) of the uses and importance of vital statistics data.



The field program completes this mission by conducting seminars with various associations representing the individuals listed above.

The National Center for Health Statistics (NCHS) monitors Delaware's coding of statistical data on death certificates. A 20 percent sample of death records coded and submitted monthly by the state are used as a quality control mechanism by NCHS. NCHS codes these sample records independently and then conducts an item-by-item computer match of codes entered by the state and NCHS. NCHS has established an upper limit of 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 or, when weight is unattainable, if the duration of pregnancy is less than 20 weeks. National estimates (Ventura, Taffel and Mosher, 1985) indicate that over 90 percent of all spontaneous terminations of pregnancy may occur before this 20-week period and thus go unreported. In addition, the exchange agreement among states for resident fetal death records is problematic due to different reporting requirements; it is unknown whether complete exchange is taking place. The result is that a large number of spontaneous terminations may not be reported.

## **GEOGRAPHY ALLOCATION**

In Delaware's registration program, as in other states, vital events are classified geographically in two ways. The first way is by place of occurrence (i.e., the actual state and county in which the birth or death took place). The second and more customary way is by place of residence (i.e., the state, county, and census tract) stated to be the usual residence of the decedent in the case of death, or of the mother in the case of a newborn.

While occurrence statistics are accurate and have both administrative value and some statistical importance, residence statistics are by far the more useful tool in developing health indices for planning and evaluation purposes. The natality and mortality statistics provided in this report are based upon Delaware residence data. However, the marriage and divorce statistics are occurrence data. This is primarily due to the fact that two separate residences are usually involved in a marriage or a divorce, and there are no accepted standard procedures for classification of residence in these events.

Allocation of vital events by place of residence is sometimes difficult because classification depends entirely on a statement of the usual place of residence furnished by the informant at the time the original certificate is completed. For various reasons, this statement may be incorrect or incomplete. However, in recent years, the DHSC has invested a great deal of effort into editing of address information leading to a significant improvement in data quality.

In any case, geographical allocation is generally a problem only at the level of census tract. Resident counts at the State level are, for all practical purposes, complete. County resident figures are substantially correct and can be used with a high degree of confidence.

Most of the data provided in this report are available at the census tract level. This information can be obtained by contacting the DHSC.

## **BIRTH WEIGHT**

This report presents birth weight in grams in order to provide data comparable to that published for the United States and other countries. For those live birth certificates where birth weight is reported in pounds and ounces, DHSC converts the birth weight into grams.

The equivalents of the gram intervals in pounds and ounces are as follows:

499 grams or less = 1 lb. 1 oz. or less  
500 - 999 grams = 1 lb. 2 ozs. - 2 lbs. 3ozs.  
1,000 - 1,499 grams = 2 lbs. 4 ozs. - 3 lbs. 4ozs.  
1,500 - 1,999 grams = 3 lbs. 5 ozs. - 4 lbs. 6ozs.  
2,000 - 2,499 grams = 4 lbs. 7 ozs. - 5 lbs. 8ozs.  
2,500 - 2,999 grams = 5 lbs. 9 ozs. - 6 lbs. 9ozs.  
3,000 - 3,499 grams = 6 lbs. 10 ozs. - 7 lbs. 11ozs.  
3,500 - 3,999 grams = 7 lbs. 12 ozs. - 8 lbs. 12ozs.  
4,000 - 4,499 grams = 8 lbs. 13 ozs. - 9 lbs. 14ozs.  
4,500 - 4,999 grams = 9 lbs. 15 ozs. - 11 lbs. 0ozs.  
5,000 grams or more = 11 lbs. 1 oz. or more

## **RATES**

Absolute counts of births and deaths do not readily lend themselves to analysis and comparison between years and various geographic areas because of differences in population characteristics (e.g., age, sex, and race). In order to account for such differences, the absolute number of events is converted to a relative number such as a percentage, rate, ratio, or index. These conversions are made by relating the number of events to the population at risk in a particular area at a specified time.

Precautions should always be taken when comparing any rates based on vital events. Both the number of events and the characteristics of the population are important to take into account when interpreting a rate.

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.

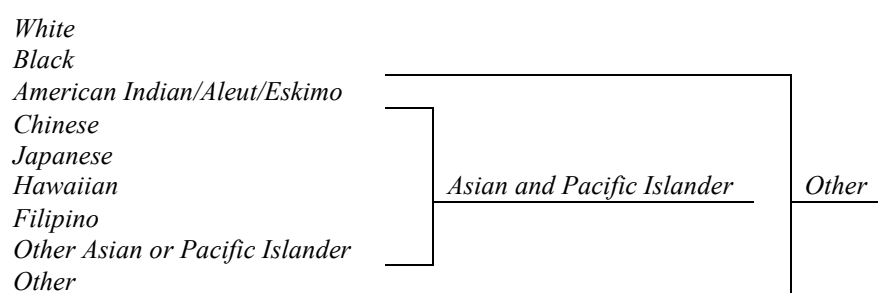
The second method is a more sophisticated technique that statistically "adjusts" for demographic differences between populations and allows direct comparisons between overall population rates. The major

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

disadvantages of adjusted rates are that they can be cumbersome to calculate without the aid of a computer and they only have meaning when compared to other rates adjusted in the same manner.

**RACE**

All Delaware vital records contain an item(s) regarding race. Race is self-reported in all records except on death certificates where it is provided by an informant. Although the question allows for a free form response, all race data are grouped for purposes of data analysis into the following categories established by NCHS:



The categories *Chinese*, *Japanese*, *Hawaiian*, *Filipino*, and *Other Asian or Pacific Islander* can be combined to form the category *Asian or Pacific Islander*. For purposes of this report, *American Indian/Aleut/Eskimo*, *Chinese*, *Japanese*, *Hawaiian*, *Filipino*, *Other Asian or Pacific Islander*, and *Other* have been combined to form the category *Other*.

In the case of death, race of decedent from the death certificate is reported in all tables except in the birth cohort (see next paragraph). However, in the case of birth and fetal death, race is indicated on the birth and fetal death certificates for the mother and father only (i.e., race of the newborn is not given). Consequently, birth and fetal death data are reported by 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

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## **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:

$$R_1 \pm 1.96 * SE$$

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

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

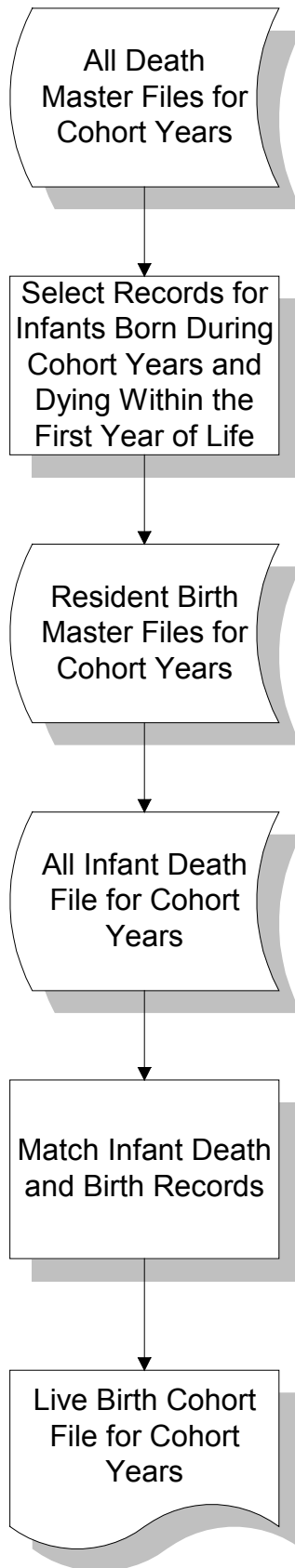
*Comparison of two infant mortality rates* - When the number of events for one or both of the rates was less than 100, comparisons between rates were based on the confidence intervals for each. If they overlapped, the difference was not significant. When the number of events for both rates was 100 or 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)		
	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:			
		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, M.Ed., 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 _____	
	26. PLACE WHERE BIRTH OCCURRED (Check one) <input type="checkbox"/> Hospital <input type="checkbox"/> Free-standing 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: _____	
<b>STATE OFFICE USE ONLY</b>						

DPH REV 4/2005

## APPENDIX F (cont.)

### STATE OF DELAWARE CERTIFICATE OF LIVE BIRTH STATISTICAL SECTION

<b>MOTHER</b>	29a. DATE OF FIRST PRENATAL CARE VISIT MM / DD / YYYY <input type="checkbox"/> No Prenatal Care		29b. DATE OF LAST PRENATAL CARE VISIT MM / DD / YYYY		30. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY  (If none, enter "0")			
	31. MOTHER'S HEIGHT ____ (feet/inches)		32. MOTHER'S PRE-PREGNANCY WEIGHT ____ (pounds)		33. MOTHER'S WEIGHT AT DELIVERY ____ (pounds)			
	35. NUMBER OF PREVIOUS LIVE BIRTHS (Do not include this child)		36. NUMBER OF OTHER PREGNANCY OUTCOMES (Spontaneous or induced losses or ectopic pregnancies)		37. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY For each time period, enter the number of cigarettes smoked IF NONE, ENTER "0" Average number of cigarettes or packs of cigarettes smoked per day  # of Cigarettes # or packs Three Months Before Pregnancy _____ OR _____ First Three Months of Pregnancy _____ OR _____ Second Three Months of Pregnancy _____ OR _____ Last Trimester of Pregnancy _____ OR _____			
	35a. Now Living Number <input type="checkbox"/> None	35b. Now Dead Number <input type="checkbox"/> None	36a. OTHER OUTCOMES NUMBER <input type="checkbox"/> None		38. PRINCIPAL SOURCE OF PAYMENT FOR THIS DELIVERY <input type="checkbox"/> Private Insurance <input type="checkbox"/> Medicaid <input type="checkbox"/> Self pay <input type="checkbox"/> Other (Specify) _____			
35c. DATE OF LAST LIVE BIRTH MM / DD / YYYY		36b. DATE OF LAST OTHER PREGNANCY OUTCOME MM / DD / YYYY		39. DATE LAST NORMAL MENSES BEGAN MM / DD / YYYY		40. MOTHER'S MEDICAL RECORD NUMBER		
<b>MEDICAL AND HEALTH INFORMATION</b>	41. RISK FACTORS IN THIS PREGNANCY (Check all that apply). <b>Diabetes</b> <input type="checkbox"/> Pre-Pregnancy (Diagnosis prior to this pregnancy) <input type="checkbox"/> Gestational (Diagnosis in this pregnancy) <b>Hypertension</b> <input type="checkbox"/> Pre-Pregnancy (Chronic) <input type="checkbox"/> Gestational <input type="checkbox"/> Eclampsia <input type="checkbox"/> Previous preterm birth <input type="checkbox"/> Other previous poor pregnancy outcome (includes perinatal death, small-for-gestational age/intrauterine growth restricted birth) <input type="checkbox"/> Pregnancy resulted from infertility treatment-if yes, check all that apply: <input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination <input type="checkbox"/> Assisted reproductive technology (e.g. in vitro fertilization [IVF], gamete intrafallopian transfer [GIFT]) <input type="checkbox"/> Mother had a previous cesarean delivery If yes, how many _____ <input type="checkbox"/> None of the above			44. ONSET OF LABOR (CHECK ALL THAT APPLY) <input type="checkbox"/> Premature Rupture of Membranes (prolonged, >= 12 hrs.) <input type="checkbox"/> Precipitous Labor (< 3 hrs.) <input type="checkbox"/> Prolonged Labor (>= 20 hrs.) <input type="checkbox"/> None of the Above			46. METHOD OF DELIVERY A. Was delivery with forceps attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No B. Was delivery with vacuum extraction attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No C. Fetal presentation at birth: <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other D. Final route and method of delivery (Check one) <input type="checkbox"/> Vaginal/Spontaneous <input type="checkbox"/> Vaginal/Forceps <input type="checkbox"/> Vaginal/Vacuum <input type="checkbox"/> Cesarean If cesarean, was a trial of labor attempted? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	42. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply). <input type="checkbox"/> Gonorrhea <input type="checkbox"/> Syphilis <input type="checkbox"/> Chlamydia <input type="checkbox"/> Hepatitis B <input type="checkbox"/> Hepatitis C <input type="checkbox"/> None of the above			45. CHARACTERISTICS OF LABOR AND DELIVERY <input type="checkbox"/> Induction of labor <input type="checkbox"/> Augmentation of labor <input type="checkbox"/> Non-vertex presentation <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery <input type="checkbox"/> Antibiotics received by the mother during labor <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature >38° C (100.4° 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** (107)  
**DEPARTMENT OF HEALTH AND SOCIAL  
SERVICES**

**State File Number**

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?		32. <b>PART I. Enter the chain of events--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.</b>	
IMMEDIATE CAUSE (Final disease or condition -----> a. _____ resulting in death) Due to (or as a consequence of): _____ Sequentially list conditions, b. _____ if any, leading to the cause listed on line a. Enter the <b>UNDERLYING CAUSE</b> c. _____ (disease or injury that initiated the events resulting in death) <b>LAST</b> d. _____		Approximate interval: Onset to death _____ _____ _____ _____ _____	
<b>PART II. Enter other significant conditions contributing to death but not resulting in the underlying cause given in PART I</b>		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	

To Be Completed/ Verified By:  
**FUNERAL DIRECTOR**

To Be Completed By:  
**MEDICAL CERTIFIER**

## APPENDIX G (cont.)

### STATE OF DELAWARE CERTIFICATE OF DEATH

35. DID TOBACCO USE CONTRIBUTE TO DEATH?  <input type="checkbox"/> Yes <input type="checkbox"/> Probably  <input type="checkbox"/> No <input type="checkbox"/> Unknown	36. IF FEMALE: <input type="checkbox"/> Not pregnant within past year <input type="checkbox"/> Pregnant at time of death <input type="checkbox"/> Not pregnant, but pregnant within 42 days of death <input type="checkbox"/> Not pregnant, but pregnant 43 days to 1 year before death <input type="checkbox"/> Unknown if pregnant within the past year	37. MANNER OF DEATH  <input type="checkbox"/> Natural <input type="checkbox"/> Homicide  <input type="checkbox"/> Accident Investigation <input type="checkbox"/> Pending  <input type="checkbox"/> Suicide determined <input type="checkbox"/> Could not be determined	
38. DATE OF INJURY (Mo/Day/Yr) (Spell Month)	39. TIME OF INJURY	40. PLACE OF INJURY (e.g., Decedent's home; construction site; restaurant; wooded area)	41. INJURY AT WORK? <input type="checkbox"/> Yes <input type="checkbox"/> No
42. LOCATION OF INJURY: State: _____		City or Town: _____	
Street & Number: _____		Apartment No.: _____ Zip Code: _____	
43. DESCRIBE HOW INJURY OCCURRED: _____			44. IF TRANSPORTATION INJURY, SPECIFY: <input type="checkbox"/> Driver/Operator <input type="checkbox"/> Passenger <input type="checkbox"/> Pedestrian <input type="checkbox"/> Other (Specify) _____
45. CERTIFIER (Check only one): <input type="checkbox"/> Certifying physician-To the best of my knowledge, death occurred due to the cause(s) and manner stated. <input type="checkbox"/> Pronouncing & Certifying physician-To the best of my knowledge, death occurred at the time, date, and place, and due to the cause(s) and manner stated. <input type="checkbox"/> Medical Examiner-On the basis of examination, and/or investigation, in my opinion, death occurred at the time, date, and place, and due to the cause(s) and manner stated.  Signature of certifier: _____			
46. NAME, ADDRESS, AND ZIP CODE OF PERSON COMPLETING CAUSE OF DEATH (Item 32) _____			
47. TITLE OF CERTIFIER	48. LICENSE NUMBER	49. DATE CERTIFIED (Mo/Day/Yr)	50. FOR REGISTRAR ONLY -DATE FILED (Mo/Day/Yr)
51. DECEDENT'S EDUCATION-Check the box that best describes the highest degree or level of school completed at the time of death. <input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th - 12th grade; no diploma <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Professional Trade School <input type="checkbox"/> Some college credit, but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD) <input type="checkbox"/> Unknown	52. DECEDENT OF HISPANIC ORIGIN? Check the box that best describes whether the decedent is Spanish/Hispanic/Latino. Check the "No" box if decedent is not Spanish/Hispanic/Latino.  <input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican, Mexican American, Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____ <input type="checkbox"/> Unknown	53. DECEDENT'S RACE (Check one or more races to indicate what the decedent considered himself or herself to be)  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (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) : _____  <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 _____			

Amendment Code: \_\_\_\_\_

Amendment Number: \_\_\_\_\_

Date: \_\_\_\_\_

User ID: \_\_\_\_\_

DE Birth SFN: \_\_\_\_\_

To Be Completed By:  
FUNERAL DIRECTOR

# APPENDIX H

## STATE OF DELAWARE CERTIFICATE OF FETAL DEATH

STATE OF DELAWARE DEPARTMENT OF HEALTH AND SOCIAL SERVICES REPORT OF FETAL DEATH				(107) STATE FILE #
<b>FETUS</b>	1 NAME OF FETUS (optional-at the discretion of the parents)		2 TIME OF DELIVERY (24hr)	3 SEX (M/F/Unk)
	4 DATE OF DELIVERY (Mo/Day/Yr)		5a. CITY, TOWN, OR LOCATION OF DELIVERY	
	5b. ZIP CODE OF DELIVERY		7 PLACE WHERE DELIVERY OCCURRED (Check one) <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Delivery: Planned to deliver at home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Clinic/Doctor's office <input type="checkbox"/> Other (Specify) _____	
	6 COUNTY OF DELIVERY		8 FACILITY NAME (if not institution, give street and number)  9 FACILITY ID: (NPI)	
<b>MOTHER</b>	10a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			10b. DATE OF BIRTH (Mo/Day/Yr)
	10c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)			10d. BIRTHPLACE (State, Territory, or Foreign Country)
	11a. RESIDENCE OF MOTHER-STATE	11b. COUNTY	11c. CITY, TOWN, OR LOCATION	
	11d. STREET AND NUMBER	11e. APT. NO.	11f. ZIP CODE	11g. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>FATHER</b>	12a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		12b. DATE OF BIRTH (Mo/Day/Yr)	12c. BIRTHPLACE (State, Territory, or Foreign Country)
	<b>13. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH</b>			
<b>CAUSE OF FETAL DEATH</b>	13a. INITIATING CAUSE/CONDITION (AMONG THE CHOICES BELOW, PLEASE SELECT THE ONE WHICH MOST LIKELY BEGAN THE SEQUENCE OF EVENTS RESULTING IN THE DEATH OF THE FETUS) Maternal Conditions/Diseases (Specify) _____  Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____  Fetal Anomaly (Specify) _____  Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____  <input type="checkbox"/> Unknown		13b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (SELECT OR SPECIFY ALL OTHER CONDITIONS CONTRIBUTING TO DEATH IN ITEM 13b) Maternal Conditions/Diseases (Specify) _____  Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____  Fetal Anomaly (Specify) _____  Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____  <input type="checkbox"/> Unknown	
	13c. WEIGHT OF FETUS (grams preferred, specify unit)  <input type="checkbox"/> grams <input type="checkbox"/> lb/oz		13e. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death	
	13d. OBSTETRIC ESTIMATE OF GESTATION AT DELIVERY  (completed weeks)		13f. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	
			13g. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	
		13h. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>DISPOSITION</b>	14. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Donation <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____			
<b>CERTIFIER AND REGISTRATION INFORMATION</b>	15a. ATTENDANT'S NAME		15b. ATTENDANT'S NPI	15c. ATTENDANT'S TITLE <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER(Specify) _____
	16a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE SHOWN AND THAT THE FETUS WAS BORN DEAD			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)  <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"/> 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, MEd, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	21. MOTHER OF HISPANIC ORIGIN? (Check the box that best describes whether the mother is Spanish/Hispanic/Latina. Check the "No" box if mother is not Spanish/Hispanic/Latina)  <input type="checkbox"/> No, not Spanish/Hispanic/Latina <input type="checkbox"/> Yes, Mexican, Mexican American, Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____	22. MOTHER'S RACE (Check one or more races to indicate what the mother considers herself to be)  <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____  Predominant Race _____															
	23. 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  30a. Now Living Number _____ <input type="checkbox"/> None		31. NUMBER OF OTHER PREGNANCY OUTCOMES (spontaneous or induced losses or ectopic pregnancies)  31a. Other Outcomes Number (Do not include this fetus) _____ <input type="checkbox"/> None																
30b. Now Dead Number _____ <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%;"></td> <td style="width: 25%; text-align: center;"># of cigarettes</td> <td style="width: 25%; text-align: center;"># of packs</td> </tr> <tr> <td>Three Months Before Pregnancy</td> <td style="text-align: center;">_____ OR _____</td> <td style="text-align: center;">_____ OR _____</td> </tr> <tr> <td>First Three Months of Pregnancy</td> <td style="text-align: center;">_____ OR _____</td> <td style="text-align: center;">_____ OR _____</td> </tr> <tr> <td>Second Three Months of Pregnancy</td> <td style="text-align: center;">_____ OR _____</td> <td style="text-align: center;">_____ OR _____</td> </tr> <tr> <td>Third Trimester of Pregnancy</td> <td style="text-align: center;">_____ OR _____</td> <td style="text-align: center;">_____ OR _____</td> </tr> </table>			# of cigarettes	# of packs	Three Months Before Pregnancy	_____ OR _____	_____ OR _____	First Three Months of Pregnancy	_____ OR _____	_____ OR _____	Second Three Months of Pregnancy	_____ OR _____	_____ OR _____	Third Trimester of Pregnancy	_____ OR _____	_____ OR _____
	# of cigarettes	# of packs																
Three Months Before Pregnancy	_____ OR _____	_____ OR _____																
First Three Months of Pregnancy	_____ OR _____	_____ OR _____																
Second Three Months of Pregnancy	_____ OR _____	_____ OR _____																
Third Trimester of Pregnancy	_____ OR _____	_____ 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)  Diabetes <input type="checkbox"/> Pre-pregnancy (Diagnosis prior to this pregnancy) <input type="checkbox"/> Gestational (Diagnosis in this pregnancy)  Hypertension <input type="checkbox"/> Pre-pregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia) <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		38. 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"/> Listeria <input type="checkbox"/> Group B Streptococcus <input type="checkbox"/> Cytomegalovirus <input type="checkbox"/> Parvovirus <input type="checkbox"/> Toxoplasmosis <input type="checkbox"/> None of the above <input type="checkbox"/> Other (Specify) _____															
	39. 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 delivery <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  E. Hysterotomy/Hysterectomy <input type="checkbox"/> Yes <input type="checkbox"/> No	40. 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		41. CONGENITAL ANOMALIES OF THE FETUS (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 anomalies listed above														

## 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)		8. FACILITY NAME (if not institution, give street and number)	
	5b. ZIP CODE OF DELIVERY		<input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Delivery: (Planned to deliver at home?) <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Clinic/Doctor's office <input type="checkbox"/> Other (Specify) _____			
	6. COUNTY OF DELIVERY		9. FACILITY ID (NPI)			
<b>MOTHER</b>	10a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)				10b. DATE OF BIRTH (Mo/Day/Yr)	
	10c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)				10d. BIRTHPLACE (State, Territory, or Foreign Country)	
	11a. RESIDENCE OF MOTHER-STATE		11b. COUNTY		11c. CITY, TOWN, OR LOCATION	
	11d. STREET AND NUMBER		11e. APT. NO.	11f. ZIP CODE		
					11g. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>FATHER</b>	12a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		12b. DATE OF BIRTH (Mo/Day/Yr)	12c. BIRTHPLACE (State, Territory, or Foreign Country)		
	<b>13. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH</b>					
<b>CAUSE OF FETAL DEATH</b>	13a. INITIATING CAUSE/CONDITION (AMONG THE CHOICES BELOW, PLEASE SELECT THE ONE WHICH MOST LIKELY BEGAN THE SEQUENCE OF EVENTS RESULTING IN THE DEATH OF THE FETUS)			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			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) _____			<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)		13e. ESTIMATED TIME OF FETAL DEATH		13f. WAS AN AUTOPSY PERFORMED?		
<input type="checkbox"/> grams <input type="checkbox"/> lb/oz		<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		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned		
13d. OBSTETRIC ESTIMATE OF GESTATION AT DELIVERY _____ (completed weeks)				13g. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned		
				13h. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>DISPOSITION</b>	14. METHOD OF DISPOSITION					
	<input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Donation <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____					
<b>CERTIFIER AND REGISTRATION INFORMATION</b>	15a. ATTENDANT'S NAME		15b. ATTENDANT'S NPI	15c. ATTENDANT'S TITLE		
				<input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (Specify) _____		
	16a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE SHOWN AND THAT THE FETUS WAS BORN DEAD		16b. DATE SIGNED			
	SIGNATURE _____					
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>AUTHORITY FOR BURIAL, TRANSPORTATION AND REMOVAL</b>	
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 _____	Date Signed _____
<small>Sexton or other person in charge</small>	
<small>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.</small>	

REV: 04/2005

Sample



# APPENDIX I

## STATE OF DELAWARE CERTIFICATE OF MARRIAGE

1

TO OFFICIAN - PLEASE COMPLETE LOWER PART OF FORM AND MAIL WITHIN 4 DAYS, COPIES 1, 3, AND 4 TO: OFFICE OF VITAL STATISTICS, P.O. Box 637, Dover, DE 19903.

OFFICE OF VITAL STATISTICS		CERTIFICATE OF MARRIAGE <b>State of Delaware</b>				STATE FILE NUMBER			
		DIVISION OF PUBLIC HEALTH							
LOCAL REGISTRAR'S NO.	LICENSE NO. <b>58801</b>	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 <b>X</b>			SIGNATURE OF BRIDE <b>X</b>						
FATHER	NAME	FIRST	MIDDLE	LAST	FATHER	NAME	FIRST	MIDDLE	LAST
	BIRTHPLACE (STATE OR FOREIGN COUNTRY)								
MOTHER	MAIDEN NAME	FIRST	MIDDLE	LAST	MOTHER	MAIDEN NAME	FIRST	MIDDLE	LAST
	BIRTHPLACE (STATE OR FOREIGN COUNTRY)								
<p>I hereby certify that on the _____ day of _____ 19____, _____ M. _____ HOUR</p> <p>the aforementioned persons were by me united in marriage at _____ (CITY, TOWN, OR LOCATION)</p> <p>County of _____, in accordance with the Laws of the State of Delaware.</p> <p>Signature of Clergy or Other Official _____ TITLE _____</p> <p>RESIDENCE-STATE _____ COUNTY _____</p> <p>Witnesses (two are required.)</p> <p>1. NAME _____ RESIDENCE _____</p> <p>2. NAME _____ RESIDENCE _____</p> <p>3. NAME _____ RESIDENCE _____</p> <p>REGISTRAR'S SIGNATURE _____ DATE RECEIVED BY LOCAL REGISTRAR _____</p>									

VALID ONLY IN THE STATE OF DELAWARE

STATE FILE COPY

	Number of this Marriage - 1st, 2nd, etc. (Specify below)	If Previously Married			Race/American Indian, Black, White, etc. (Specify below)	Education (Specify highest grade completed)	
		Date of First Marriage (Mth./Day/Year)	Last Marriage Ended by Death, Divorce or Annul. (Specify below)	Last Marriage Ended on: Mth./Day/Year		Elementary/Secondary (0-12)	College (1-4 or 5+)
GROOM							
BRIDE							



# APPENDIX K

## STATE OF DELAWARE REPORT OF INDUCED TERMINATION OF PREGNANCY



DELAWARE HEALTH  
AND SOCIAL SERVICES

### REPORT OF INDUCED TERMINATION OF PREGNANCY

1. FACILITY NAME (if not clinic or hospital, give address)		2. CITY, TOWN, OR LOCATION OF PREGNANCY TERMINATION		3. COUNTY OF PREGNANCY TERMINATION	
4. FORM NUMBER		5. AGE LAST BIRTHDAY	6. MARRIED? <input type="checkbox"/> Yes <input type="checkbox"/> No	7. DATE OF PREGNANCY TERMINATION (Month, Day, Year)	
8a. RESIDENCE - STATE	8b. COUNTY	8c. CITY, TOWN, OR LOCATION		8d. ZIP CODE	
9. OF HISPANIC ORIGIN? <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 (Specify) _____		11. EDUCATION <i>(Specify only highest grade completed)</i> Elementary/Secondary (0-12)   College (1-4 or 5+)	
12. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	13. CLINICAL ESTIMATE OF GESTATION (Weeks)	14. PREVIOUS PREGNANCIES (Complete each section)			
		LIVE BIRTHS		OTHER TERMINATIONS	
		14a. Now Living Number _____ <input type="checkbox"/> None	14b. Not Living Number _____ <input type="checkbox"/> None	14c. Spontaneous Number _____ <input type="checkbox"/> None	14d. Induced (Do not include this termination) Number _____ <input type="checkbox"/> None
15. TYPE OF TERMINATION PROCEDURE (Check only one)					
<input type="checkbox"/> Suction Curettage <input type="checkbox"/> Medical (Nonsurgical), Specify Medication(s) _____ <input type="checkbox"/> Dilatation 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

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