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# DELAWARE VITAL STATISTICS ANNUAL REPORT ■ 2012



*DELAWARE HEALTH AND SOCIAL SERVICES*  
Division of Public Health

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Selected Characteristics: Delaware Vital Statistics Annual Report, 2012

Population			Fetal Deaths		
	Number*	Percent		Number*	Percent
Delaware	914,621	100.0%	Delaware	62	100.0%
<i>Kent</i>	166,563	18.2%	<i>Kent</i>	4	6.5%
<i>New Castle</i>	543,049	59.4%	<i>New Castle</i>	36	58.1%
<i>Sussex</i>	205,009	22.4%	<i>Sussex</i>	22	35.5%
	<b>Error</b>				
Marriages			Race		
	Number*	5-yr Rate <sup>1</sup>		Number*	Percent
Delaware	5,314	5.4	<i>White</i>	38	61.3%
<i>Kent</i>	932	5.9	<i>Black</i>	21	33.9%
<i>New Castle</i>	2,701	4.6	<i>Hispanic Origin</i> <sup>4</sup>	8	12.9%
<i>Sussex</i>	1,681	7.1			
Divorces			Infant Mortality		
	Number*	5-yr Rate <sup>1</sup>		Number*	5-yr Rate <sup>5</sup>
Delaware	3,239	3.6	Delaware	98	8.1
<i>Kent</i>	742	4.4	<i>Kent</i>	17	6.9
<i>New Castle</i>	1,843	3.3	<i>New Castle</i>	74	9.1
<i>Sussex</i>	654	3.5	<i>Sussex</i>	7	6.2
Live Births			Race		
	Number*	5-yr Rate <sup>2</sup>		Number*	Percent
Delaware	11,227	65.9	<i>White</i>	48	5.8
<i>Kent</i>	2,166	66.5	<i>Black</i>	38	13.8
<i>New Castle</i>	6,880	62.7	<i>Hispanic Origin</i> <sup>4</sup>	11	7.7
<i>Sussex</i>	2,181	76.4			
<b>Births to Teenagers (15-19)</b>			Mortality		
<i>White</i>	438	31.0		Number*	Adj. Rate <sup>6</sup>
<i>Black</i>	300	56.4	Delaware	7,816	709.7
Delaware	757	36.6	<i>Kent</i>	1,368	843.4
<i>Kent</i>	161	37.4	<i>New Castle</i>	4,394	716.7
<i>New Castle</i>	401	32.3	<i>Sussex</i>	2,054	634.0
<i>Sussex</i>	195	51.1			
Race			Race and Gender		
	Number*	Percent		Number*	Percent
<i>White</i>	7,510	66.9%	<i>White Males</i>	3,121	815.2
<i>Black</i>	3,084	27.5%	<i>White Females</i>	3,227	596.1
<i>Hispanic Origin</i> <sup>4</sup>	1,427	12.7%	<i>Black Males</i>	666	970.1
<b>Marital Status</b>			<i>Black Females</i>	726	768.7
<i>Married</i>	5,823	53.0%	Decedent's Age		
<i>Single</i>	5,159	47.0%		Number*	Percent
<b>Births to Single Mothers</b> <sup>3</sup>			<1	98	1.3%
<i>White</i>	2,925	38.9%	1-14	28	0.4%
<i>Black</i>	2,115	68.6%	15-24	86	1.1%
<i>Hispanic Origin</i> <sup>4</sup>	866	60.7%	25-44	356	4.6%
<b>Low Birth Weight (&lt;2500 gms)</b>			45-64	1579	20.2%
All Races	910	8.1%	65-74	1357	17.4%
<i>White</i>	503	6.7%	75-84	2077	26.6%
<i>Black</i>	350	11.3%	85+	2235	28.6%
<i>Hispanic Origin</i> <sup>4</sup>	100	7.0%	Leading Causes of Death		
				Number*	Percent
			Malignant neoplasms	1,934	24.7%
			Diseases of heart	1,787	22.9%
			Dementia	513	6.6%
			Chronic lower respiratory diseases	423	5.4%
			Cerebrovascular diseases	403	5.2%
			Accidents (unintentional injuries)	371	4.7%

Notes:

\* Numbers are for 2012.

1. The 5-year rate is per 1,000 population and refers to the period 2008-2012.

2. The 5-year rate refers to total live births per 1,000 women 15-44 years of age during the 2008-2012 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 2012.

5. The 5-year (2008-2012) infant mortality rates represent the number of deaths to children under one year of age per 1,000 live births.

6. The 2012 mortality rates (deaths per 100,000 population) for Delaware and the counties are age-adjusted to the 2000 U.S. population.

SUMMARY

**Jack Markell, Governor**  
State of Delaware

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

# DELAWARE VITAL STATISTICS ANNUAL REPORT, 2012

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Division of Public Health

Delaware  
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**SC** Statistics

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## PREFACE

I am pleased to present the 2012 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 2012 Delaware Vital Statistics Annual Report presents a wide variety of data and statistics that can assist us in this endeavor. Information in this report identifies racial differences, such as the large disparity between black and white mortality rates for HIV, homicide, diabetes, kidney disease, and hypertension. It presents health indicators such as life expectancy, the leading causes of death, teen birth rates, general fertility rates, and infant mortality rates; and it provides historical data that demonstrate movement over time.

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

Karyl Thomas Rattay MD, MS



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Director  
Delaware Division of Public Health

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## ACKNOWLEDGEMENTS

This report was prepared by Maridelle Dizon, Jennifer Miles, and Marianne Letavish of the Delaware Health Statistics Center.

We gratefully acknowledge the contributions of Brenda Abele 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.

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### Visit our website at:

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

### Suggested citation:

*Delaware Vital Statistics Annual Report, 2012. Delaware Department of Health and Social Services, Division of Public Health, Delaware Health Statistics Center, 2016.*

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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

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

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

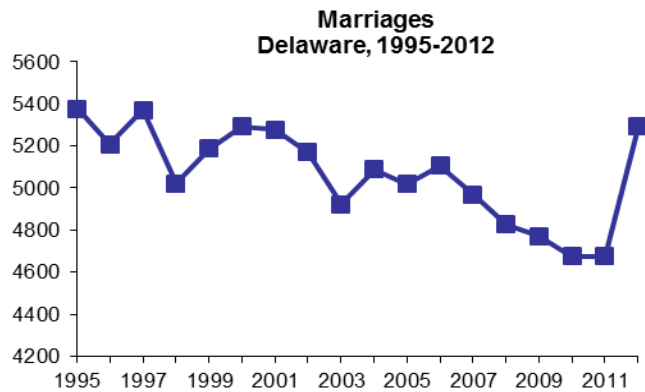
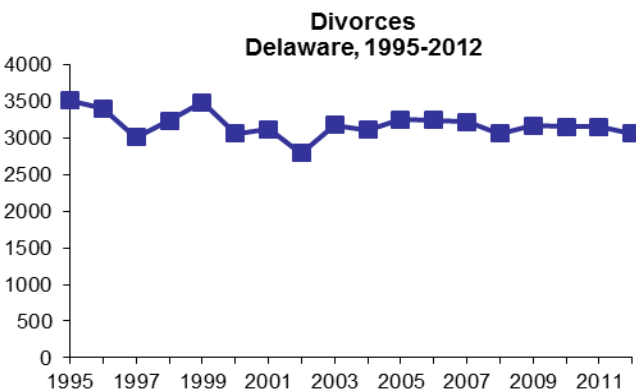
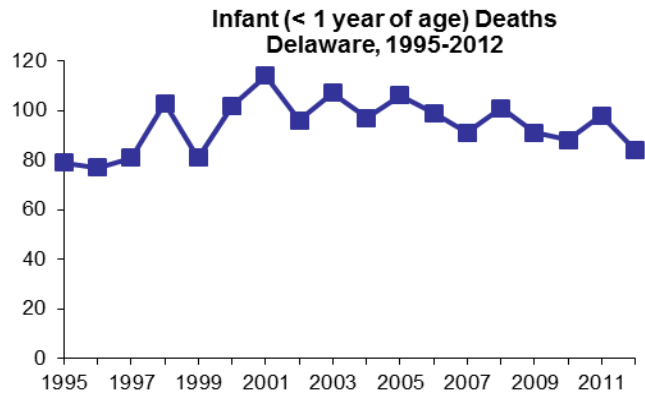
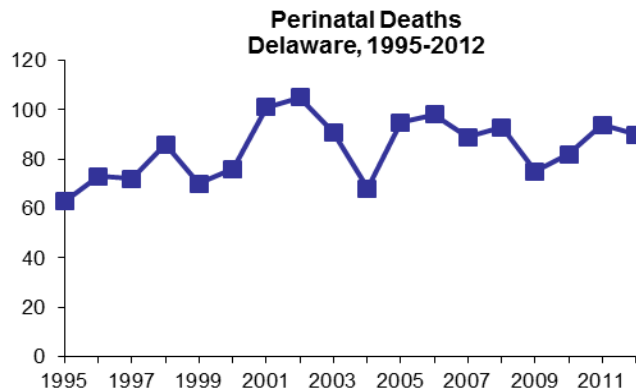
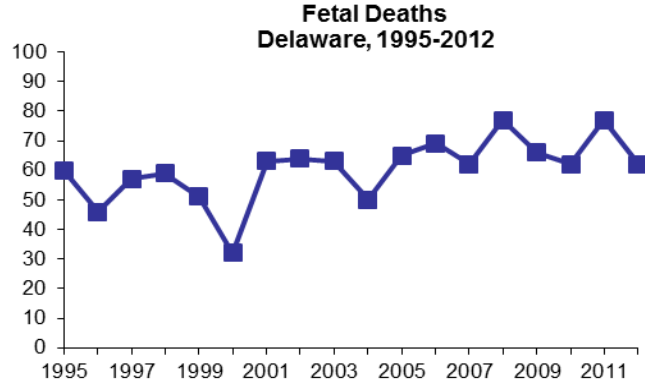
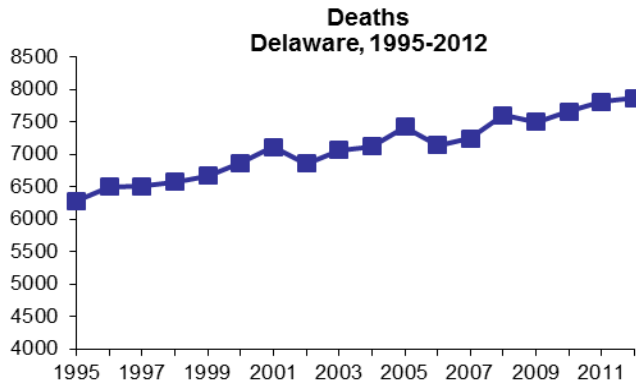
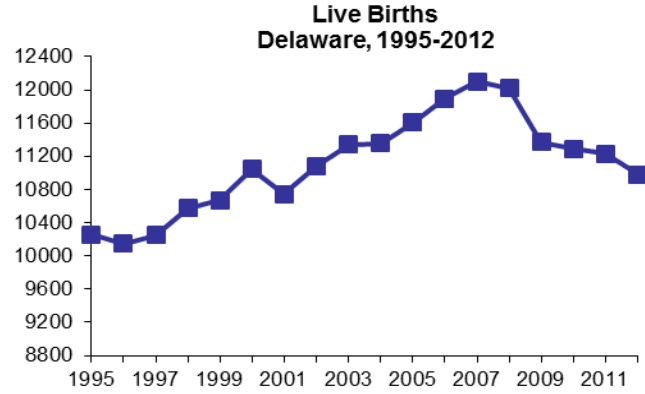
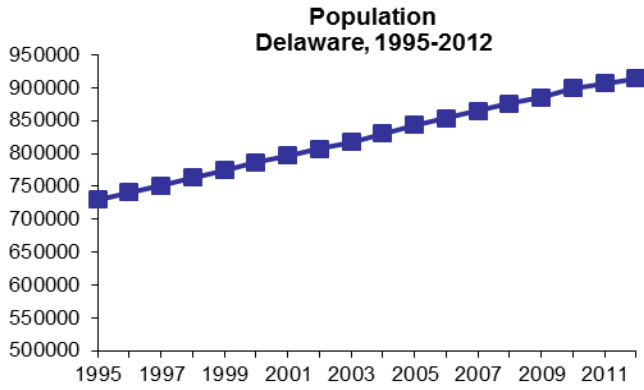
$$\text{Infant Mortality Rate} = \frac{\text{Number of Infant Deaths}}{\text{Total Live Births}} \times 1,000$$

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

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

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# 2012 DELAWARE VITAL STATISTICS



Source: Delaware Health Statistics Center

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# Population



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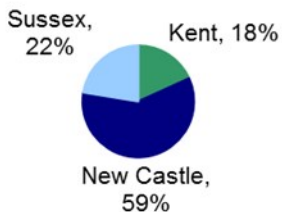
## POPULATION

Delaware's three counties continued their increasing population trend, though they grew at different rates. Between 2000 and 2012, county populations grew annually by 2.4 percent for Kent, 0.6 percent for New Castle, and 2.3 percent for Sussex. Delaware's statewide increase was 1.3 percent.

In 2012, 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 one in five residents was 65 or older, versus New Castle and Kent counties, where approximately one in eight residents was 65 or older.

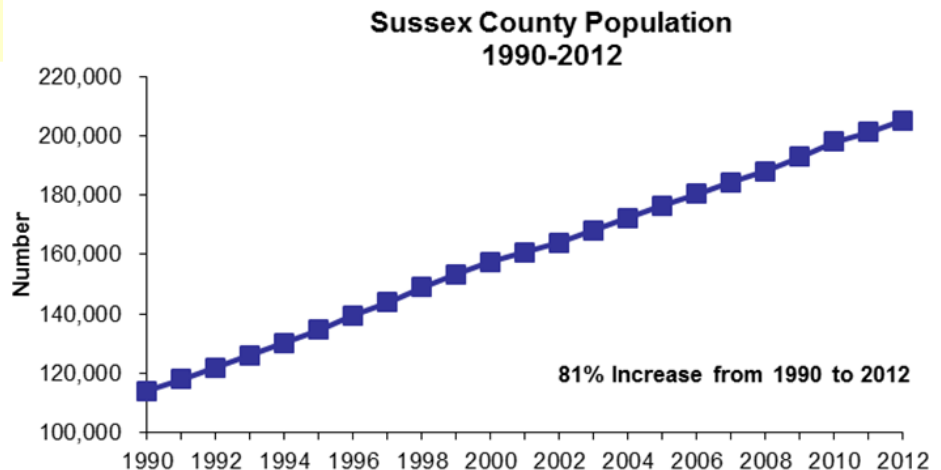
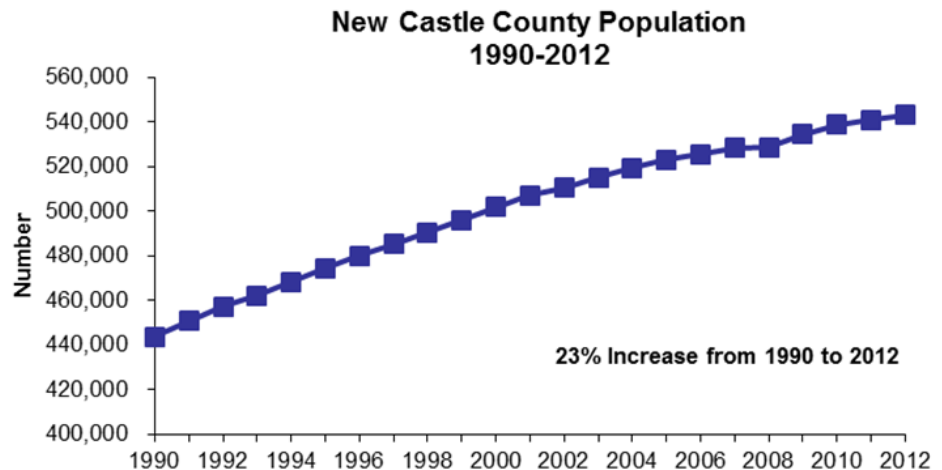
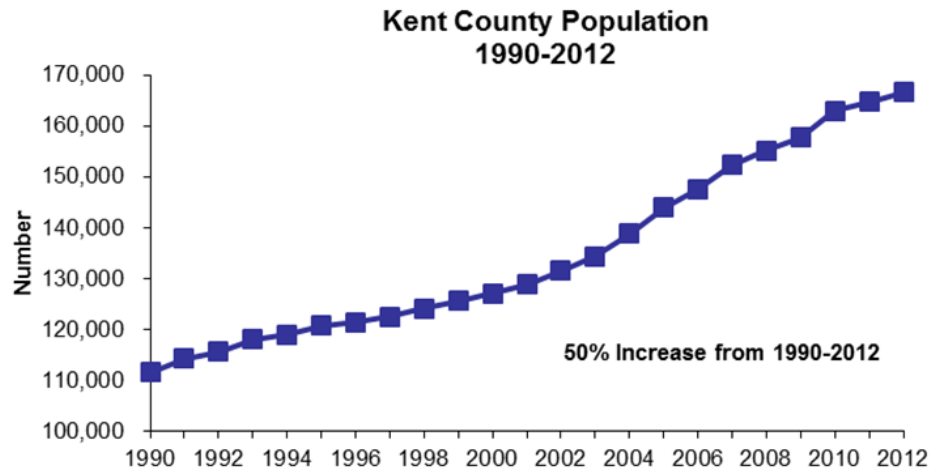
Over half of Delaware's total population resides in New Castle County.

Percent of Population by County  
Delaware, 2012



Source: Delaware Health Statistics Center

### Delaware Resident Population by County, 1990-2012

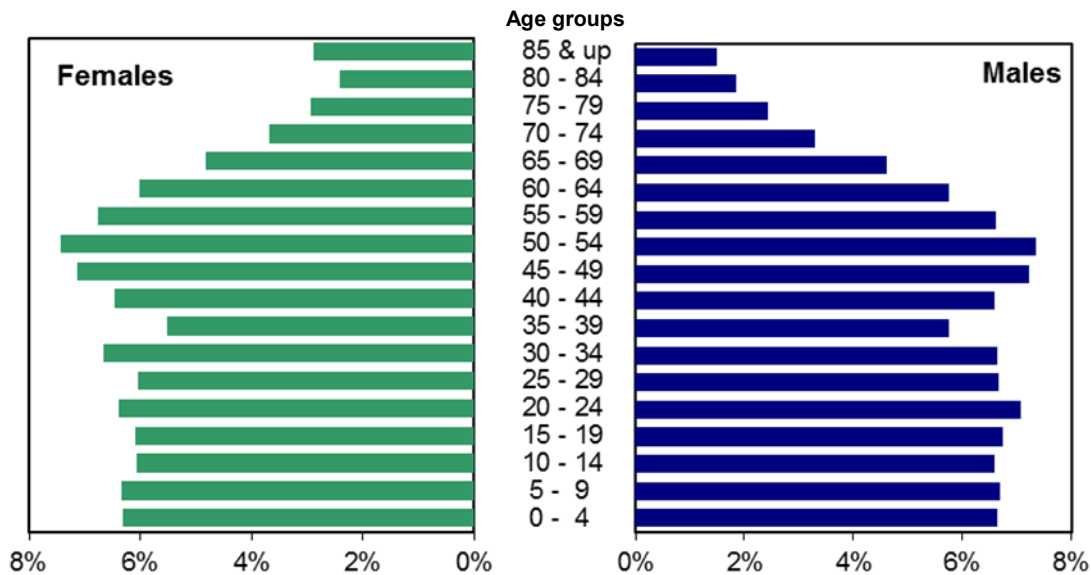


Source: Delaware Health Statistics Center

## POPULATION

In 2012, 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 2012 could expect to live an average of 81.8 years, versus males, who could expect to live 77.0 years.

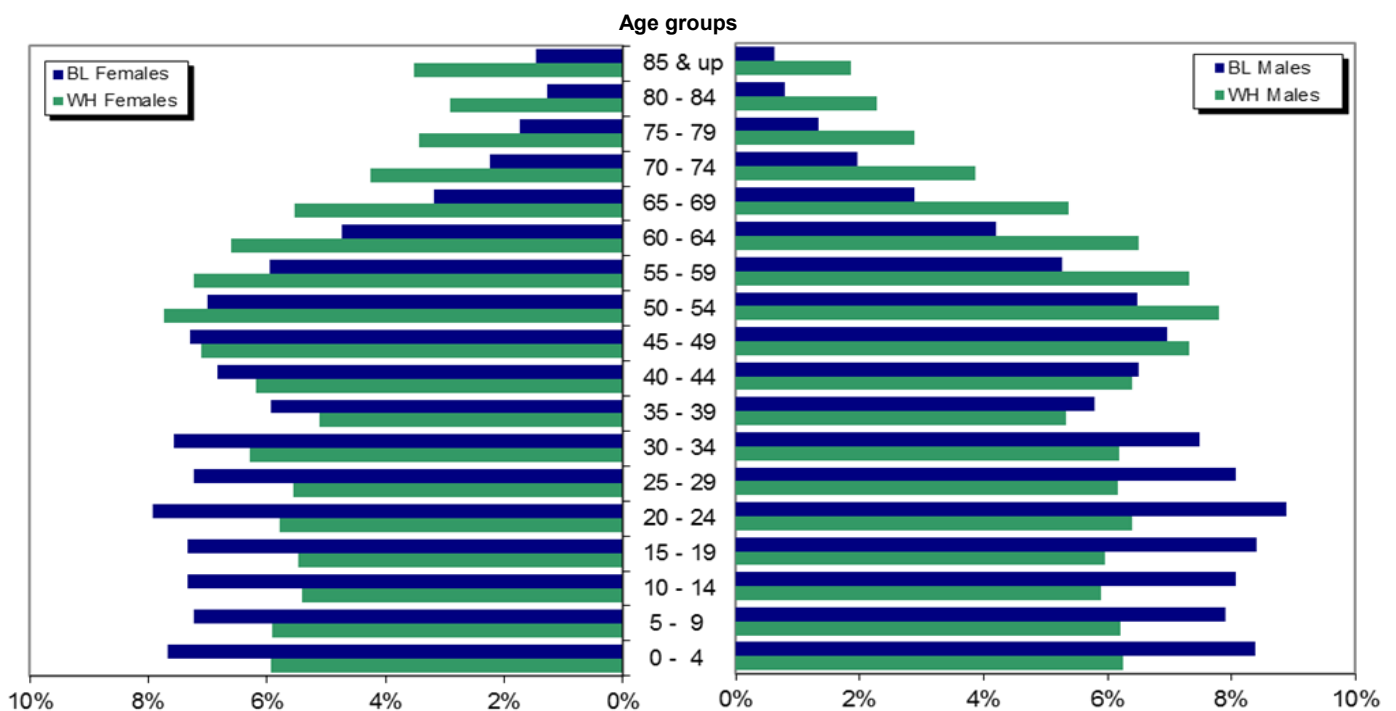
### Population by Age and Sex, Delaware, 2012



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.

### Population by Age, Sex, and Race, Delaware, 2012



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.

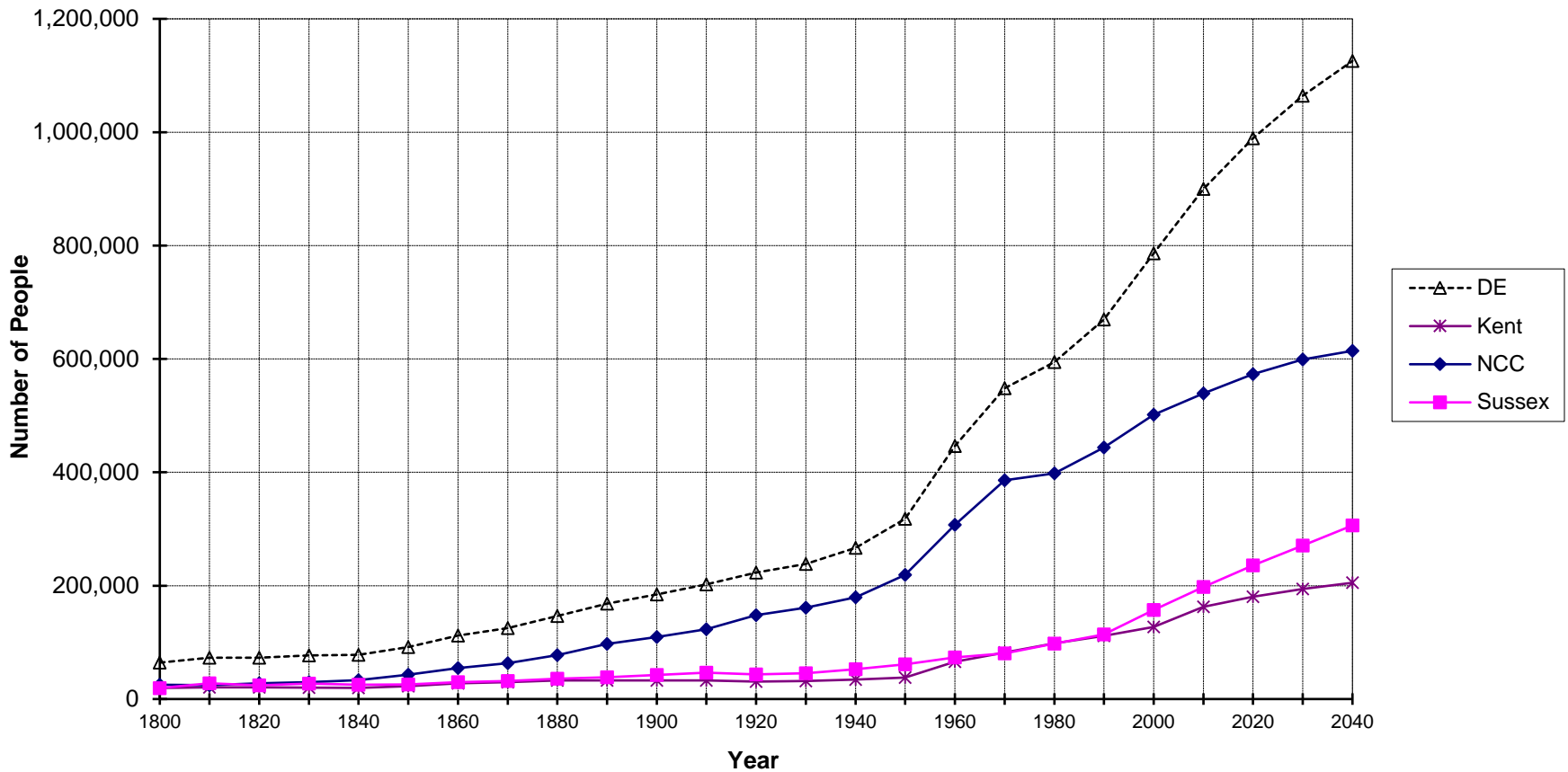
**Sources:**

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

POPSEX

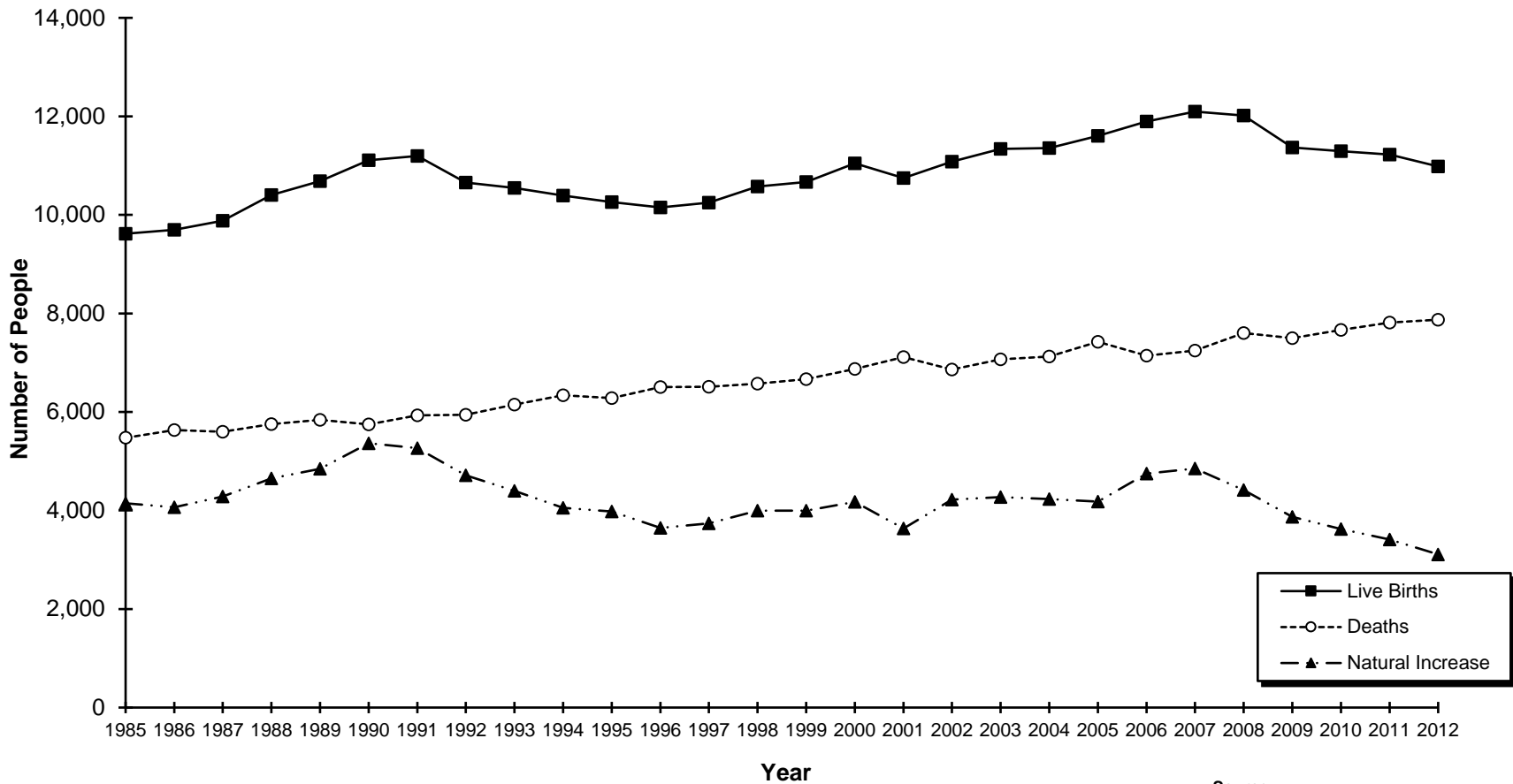
**Figure A-1  
Population Growth**

**Delaware and Counties, 1800-2040**



**Sources:**  
Delaware Health Statistics Center  
Delaware Population Consortium

**Figure A-2**  
**Live Births, Deaths, and Natural Increase**  
**Delaware, 1985-2012**



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, 2012

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>	914621	59198	59470	57875	58486	61531	58105	60918	51600	59697	65615	67579	61284	53789	43208	31901	24573	19542	20250
Male	444710	29552	29711	29356	29927	31461	29685	29579	25636	29289	32074	32647	29466	25532	20513	14651	10797	8168	6666
White	317010	19807	19703	18689	18873	20282	19583	19597	16894	20302	23188	24756	23168	20585	17062	12274	9156	7200	5891
Black	96453	8081	7617	7789	8112	8567	7785	7223	5593	6270	6714	6259	5076	4044	2776	1896	1277	766	608
Female	469911	29646	29759	28519	28559	30070	28420	31339	25964	30408	33541	34932	31818	28257	22695	17250	13776	11374	13584
White	334272	19848	19737	18061	18267	19335	18559	21019	17089	20698	23731	25888	24180	22082	18529	14230	11482	9736	11801
Black	106176	8143	7684	7796	7788	8408	7677	8043	6304	7267	7760	7431	6325	5028	3391	2376	1843	1357	1555
<b>Kent</b>	166563	11450	11263	11401	11464	12297	11730	11883	9460	10587	12079	12140	10387	8623	6928	5167	4065	2982	2657
Male	80149	5717	5621	5702	5848	6313	5825	5768	4483	5103	5779	5816	4869	4034	3258	2287	1731	1196	799
White	55813	3917	3817	3751	3795	4158	3875	3484	3040	3587	4199	4310	3646	3025	2546	1753	1332	956	622
Black	19559	1615	1540	1580	1637	1769	1624	1894	1040	1133	1172	1128	958	829	574	435	302	192	137
Female	86414	5733	5642	5699	5616	5984	5905	6115	4977	5484	6300	6324	5518	4589	3670	2880	2334	1786	1858
White	59154	3919	3819	3698	3664	3970	3961	3403	3198	3771	4423	4511	3909	3301	2769	2198	1756	1400	1484
Black	21766	1629	1558	1633	1560	1638	1590	2364	1324	1288	1408	1410	1230	980	692	476	417	272	297
<b>New Castle</b>	543049	35314	36195	35463	36379	38088	34682	39394	32867	38005	40166	40153	35308	29786	22955	16011	11938	9594	10751
Male	264121	17613	18060	18022	18625	19421	17883	18857	16476	18602	19740	19479	16992	13951	10775	7297	5133	3797	3398
White	179012	10985	11504	11029	11255	11967	11262	12607	10439	12403	13598	14168	12722	10622	8437	5756	4106	3222	2930
Black	64257	5321	5037	5168	5399	5681	5038	4424	3904	4390	4679	4290	3469	2733	1890	1218	805	449	362
Female	278928	17701	18135	17441	18667	18667	16799	20537	16391	19403	20426	20674	18316	15835	12180	8714	6805	5797	7353
White	188575	11032	11560	10587	10886	11397	10304	14170	10366	12476	13678	14616	13190	11680	9389	6808	5387	4811	6238
Black	70822	5369	5080	5145	5218	5668	4964	4788	4315	5200	5421	5046	4318	3431	2292	1552	1175	850	990
Wilmington*	70612	5661	5088	4424	4535	5531	5697	5238	5013	4866	4624	4476	4161	3466	2525	1788	1328	1022	1169
Male	34571	2889	2611	2281	2365	2816	2852	2748	2568	2460	2389	2184	1980	1572	1077	687	494	313	285
White	12285	818	765	575	487	818	1134	1058	1155	1013	812	768	790	682	509	315	230	173	183
Black	19387	1810	1630	1503	1608	1702	1413	1373	1165	1246	1427	1296	1097	791	514	340	246	128	98
Female	36041	2772	2477	2143	2170	2715	2845	2490	2445	2406	2235	2292	2181	1894	1448	1101	834	709	884
White	12096	770	694	489	414	677	1018	823	1016	798	619	708	806	762	666	506	373	387	570
Black	21280	1751	1577	1483	1543	1765	1536	1428	1221	1422	1479	1463	1267	1044	712	553	427	307	302
<b>Sussex</b>	205009	12434	12012	11011	10643	11146	11693	9641	9273	11105	13370	15286	15589	15380	13325	10723	8570	6966	6842
Male	100440	6222	6030	5632	5454	5727	5977	4954	4677	5584	6555	7352	7605	7547	6480	5067	3933	3175	2469
White	82185	4905	4382	3909	3823	4157	4446	3506	3415	4312	5391	6278	6800	6938	6079	4765	3718	3022	2339
Black	12637	1145	1040	1041	1076	1117	1123	905	649	747	863	841	649	482	312	243	170	125	109
Female	104569	6212	5982	5379	5189	5419	5716	4687	4596	5521	6815	7934	7984	7833	6845	5656	4637	3791	4373
White	86543	4897	4358	3776	3717	3968	4294	3446	3525	4451	5630	6761	7081	7101	6371	5224	4339	3525	4079
Black	13588	1145	1046	1018	1010	1102	1123	891	665	779	931	975	777	617	407	348	251	235	268

Sources:  
Delaware Health Statistics Center  
Delaware Population Consortium

POPSRA

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# Marriage & Divorce



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## MARRIAGE AND DIVORCE

There were 5,314 marriages and 3,239 divorces in Delaware in 2012 (see Tables B-1 and B-11). Over half of all divorces in 2012 were of marriages that lasted less than 10 years.

### Marriage

#### Male

Youngest: 18  
Oldest: 91

#### Female

Youngest: 17  
Oldest: 97

Marriage with the greatest age difference between bride and groom: 48 years.

Most popular month to get married: June (see Table B-9).

### Divorce

#### Male

Youngest: 18  
Oldest: 85

#### Female

Youngest: 18  
Oldest: 84

Shortest duration of marriage: 21 days.

Longest duration of marriage: 65 years.

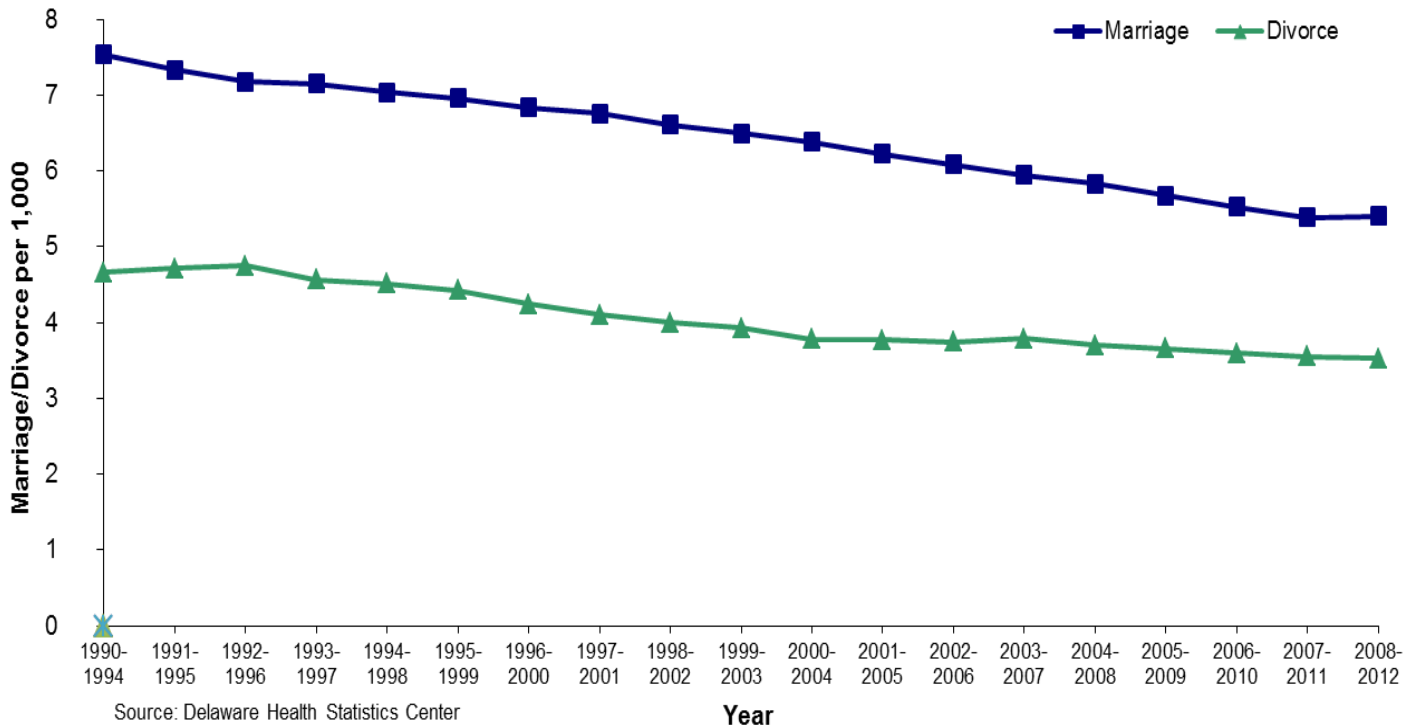
Median duration of marriage: 9 years (see Table B-16).

Total children under 18 years of age: 1,372 (see Table B-18).

Between 1990-1994 and 2008-2012, the five-year average marriage rate decreased from 7.5 to 5.4 marriages per 1,000 population.

Divorce rates remained fairly stable between 1990-1994 and 1992-1996. Between 1992-1996 and 2008-2012, divorce rates declined 26 percent, with most of the decrease occurring in the 1992-1996 to 2000-2004 period.

**Five-year Average Marriage and Divorce Rates per 1,000 Population  
Delaware, 1990-2012**



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TABLE B-1  
NUMBER OF MARRIAGES BY PLACE OF CEREMONY  
U.S., DELAWARE AND COUNTIES, 1992-2012

Year	U.S.	Delaware	Kent	New Castle	Sussex
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	2315000	5292	957	3117	1218
2001	2326000	5279	963	3118	1198
2002	2290000	5171	1015	2899	1257
2003	2245000	4923	923	2784	1216
2004	2279000	5088	998	2801	1289
2005	2249000	5018	973	2726	1319
2006	2193000	5105	993	2754	1358
2007	2197000	4970	944	2670	1356
2008	2157000	4828	984	2429	1415
2009	2080000	4772	930	2491	1351
2010	2096000	4677	908	2384	1385
2011	2118000	4727	927	2421	1379
2012	2131000	5314	932	2701	1681

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, 1992-2012

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

**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, 2012

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	3663	93.3	81	8.2	8	19.0	62	44.3	65	30.7
Black	171	4.4	898	90.5	5	11.9	4	2.9	18	8.5
American Indian	9	0.2	1	0.1	29	69.0	0	0.0	0	0.0
Asian/Pacific Islander	13	0.3	2	0.2	0	0.0	74	52.9	1	0.5
Other/Unknown	72	1.8	10	1.0	0	0.0	0	0.0	128	60.4

GRBRR1

**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, 2012

Previous Marital Status	Race					
	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>						
Single	3688	69.4	2706	69.8	708	64.6
Widowed	99	1.9	74	1.9	24	2.2
Divorced	1527	28.7	1099	28.3	364	33.2
<b>Bride</b>						
Single	3701	69.7	2710	69.0	676	68.1
Widowed	87	1.6	61	1.6	23	2.3
Divorced	1525	28.7	1157	29.5	293	29.5

GRBRR2

**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, 2012

Marriage Order	Type of Ceremony	Race					
		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>							
First Marriage	Civil	2480	67.2	1966	72.7	397	56.1
	Religious	1208	32.8	740	27.3	311	43.9
Remarriage	Civil	1008	62.0	758	64.6	231	59.5
	Religious	618	38.0	415	35.4	157	40.5
<b>Bride</b>							
First Marriage	Civil	2491	67.3	1977	73.0	381	56.4
	Religious	1210	32.7	733	27.0	295	43.6
Remarriage	Civil	997	61.8	775	63.6	190	60.1
	Religious	615	38.2	443	36.4	126	39.9

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, 2012

Marriage Order	Race					
	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Groom</b>						
First Marriage	29	32	29	32	31	33
Remarriage	46	47	47	48	46	46
<b>Bride</b>						
First Marriage	28	30	27	30	29	31
Remarriage	43	44	44	45	43	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, 2012

Marriage Order	Age	Race						
		All Races		White		Black		
		Number	Percent	Number	Percent	Number	Percent	
<b>Groom</b>								
All Marriages	<20	51	1.0	36	0.9	10	0.9	
	20-29	1953	36.8	1456	37.5	331	30.2	
	30-39	1526	28.7	1072	27.6	340	31.0	
	40-49	852	16.0	589	15.2	226	20.6	
	50-64	742	14.0	570	14.7	159	14.5	
	65+	190	3.6	156	4.0	30	2.7	
	Unk	0	0.0	0	0.0	0	0.0	
	First Marriage	<20	51	1.4	36	1.3	10	1.4
		20-29	1850	50.2	1389	51.3	304	42.9
		30-39	1142	31.0	804	29.7	251	35.5
		40-49	359	9.7	247	9.1	95	13.4
		50-64	240	6.5	187	6.9	46	6.5
		65+	46	1.2	43	1.6	2	0.3
		Unk	0	0.0	0	0.0	0	0.0
	Remarriage	<20	0	0.0	0	0.0	0	0.0
		20-29	103	6.3	67	5.7	27	7.0
		30-39	384	23.6	268	22.8	89	22.9
40-49		493	30.3	342	29.2	131	33.8	
50-64		502	30.9	383	32.7	113	29.1	
65+		144	8.9	113	9.6	28	7.2	
Unk		0	0.0	0	0.0	0	0.0	
<b>Bride</b>								
All Marriages	<20	132	2.5	98	2.5	16	1.6	
	20-29	2305	43.4	1738	44.2	367	37.0	
	30-39	1407	26.5	975	24.8	318	32.1	
	40-49	751	14.1	535	13.6	174	17.5	
	50-64	585	11.0	468	11.9	99	10.0	
	65+	133	2.5	114	2.9	18	1.8	
	Unk	0	0.0	0	0.0	0	0.0	
	First Marriage	<20	130	3.5	96	3.5	16	2.4
		20-29	2155	58.2	1632	60.2	335	49.6
		30-39	921	24.9	618	22.8	222	32.8
		40-49	268	7.2	173	6.4	73	10.8
		50-64	189	5.1	157	5.8	26	3.8
		65+	38	1.0	34	1.3	4	0.6
		Unk	0	0.0	0	0.0	0	0.0
	Remarriage	<20	2	0.1	2	0.2	0	0.0
		20-29	150	9.3	106	8.7	32	10.1
		30-39	486	30.1	357	29.3	96	30.4
40-49		483	30.0	362	29.7	101	32.0	
50-64		396	24.6	311	25.5	73	23.1	
65+		95	5.9	80	6.6	14	4.4	
Unk		0	0.0	0	0.0	0	0.0	

**Notes:**

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

**Source:**

Delaware Health Statistics Center

AGEBYRCORDR

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

DELAWARE, 2012

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	27	21	2	0	0	0	0	0	0	0	1	0	0	0
	20-29	92	1467	151	3	0	0	0	1	69	62	4	1	0	0
	30-39	6	410	483	22	4	0	0	0	41	139	31	6	0	0
	40-49	0	28	76	88	25	2	0	0	1	35	70	29	4	0
	50-64	0	4	11	39	89	12	0	0	0	3	19	50	13	0
	65+	0	0	0	4	19	16	0	0	0	0	1	0	6	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	57	13	1	0	0	0	1	11	14	1	0	0	0
	30-39	0	113	102	11	0	0	0	0	20	108	28	2	0	0
	40-49	0	40	65	59	6	0	0	0	7	96	190	28	2	0
	50-64	0	14	17	39	33	1	0	0	1	28	130	229	10	0
	65+	0	1	1	2	13	7	0	0	0	1	8	51	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, 2012

Month	Number	Percent
January	312	5.9
February	327	6.2
March	335	6.3
April	362	6.8
May	566	10.7
June	686	12.9
July	379	7.1
August	499	9.4
September	615	11.6
October	559	10.5
November	288	5.4
December	386	7.3
Total	5314	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, 2012

Day	Number	Percent
Sunday	430	8.1
Monday	157	3.0
Tuesday	268	5.0
Wednesday	981	18.5
Thursday	236	4.4
Friday	661	12.4
Saturday	2581	48.6
Total	5314	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, 1992-2012

Year	Delaware	Kent	New Castle	Sussex
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
2011	3230	706	1766	758
2012	3239	742	1843	654

FYADIV1

**Note:**

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

**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, 1992-2012

Years	Delaware	Kent	New Castle	Sussex
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
2007-2011	3.6	4.4	3.3	3.5
2008-2012	3.5	4.4	3.3	3.4

FYADIV2

**Note:**

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

**Source:**

Delaware Health Statistics Center

TABLE B-13  
NUMBER OF DIVORCES/ANNULMENTS\* BY RACE OF WIFE AND RACE OF HUSBAND  
DELAWARE, 2012

Race of Husband	Race of Wife								
	White	Black	American Indian	Chinese	Hawaiian	Filipino	Other Asian	Other Race	Not Classifiable
White	2195	59	8	8	2	18	12	12	2
Black	100	709	3	0	0	4	1	15	2
American Indian	5	5	0	0	0	0	0	3	0
Chinese	0	0	0	7	0	0	0	0	0
Hawaiian	1	1	0	0	0	0	0	0	0
Filipino	3	1	0	0	1	5	0	0	0
Other Asian	6	2	0	1	0	0	19	0	0
Other Race	6	3	0	0	1	1	0	1	0
Not Classifiable	2	1	0	0	0	0	0	0	14

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, 2012

Number of Marriage	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	42	43	42	43	42	43
First Marriage	39	40	39	40	39	40
Second Marriage	48	49	48	49	48	48
Third Marriage+	53	53	53	54	51	52
Not Stated	46	47	47	46	46	47
<b>Wife</b>						
All Marriages	40	40	40	41	40	40
First Marriage	36	38	36	37	37	38
Second Marriage	45	46	45	46	45	45
Third Marriage+	49	49	49	49	47	48
Not Stated	42	42	43	43	40	40

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, 2012

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	2	0.1	2	0.1	0	0.0	5	0.2	4	0.2	0	0.0
	20-29	394	12.2	289	12.5	92	11.0	520	16.1	379	16.4	110	14.1
	30-39	929	28.7	655	28.3	242	29.0	1027	31.7	716	30.9	260	33.3
	40-49	1029	31.8	733	31.6	278	33.3	1003	31.0	718	31.0	255	32.7
	50-64	730	22.5	532	23.0	180	21.6	565	17.4	425	18.3	121	15.5
	65+	120	3.7	89	3.8	25	3.0	63	1.9	49	2.1	9	1.2
	Unk	35	1.1	16	0.7	17	2.0	56	1.7	27	1.2	26	3.3
First Marriage	<20	2	0.1	2	0.1	0	0.0	4	0.2	3	0.2	0	0.0
	20-29	368	16.8	271	17.3	85	15.1	479	22.7	353	23.5	97	18.8
	30-39	771	35.2	543	34.7	198	35.2	769	36.5	542	36.1	193	37.4
	40-49	659	30.1	470	30.0	178	31.7	581	27.5	411	27.4	154	29.8
	50-64	344	15.7	253	16.2	81	14.4	229	10.9	167	11.1	54	10.5
	65+	25	1.1	15	1.0	8	1.4	17	0.8	11	0.7	4	0.8
	Unk	23	1.0	11	0.7	12	2.1	30	1.4	14	0.9	14	2.7
Second Marriage	<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
	20-29	17	2.4	11	2.1	6	3.7	20	2.8	14	2.6	6	3.8
	30-39	121	17.3	90	17.2	30	18.4	175	24.4	129	24.1	39	25.0
	40-49	259	37.1	196	37.4	59	36.2	268	37.4	202	37.8	56	35.9
	50-64	241	34.5	180	34.4	58	35.6	213	29.7	158	29.5	48	30.8
	65+	55	7.9	44	8.4	9	5.5	31	4.3	26	4.9	4	2.6
	Unk	5	0.7	3	0.6	1	0.6	9	1.3	6	1.1	3	1.9
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	1	0.5	1	0.6	0	0.0	2	0.9	2	1.1	0	0.0
	30-39	13	5.9	9	5.5	4	7.8	26	11.8	20	10.9	4	12.1
	40-49	66	30.1	49	29.7	17	33.3	91	41.4	73	39.9	17	51.5
	50-64	105	47.9	79	47.9	24	47.1	90	40.9	77	42.1	12	36.4
	65+	33	15.1	27	16.4	5	9.8	7	3.2	7	3.8	0	0.0
	Unk	1	0.5	0	0.0	1	2.0	4	1.8	4	2.2	0	0.0
Not Stated	<20	0	0.0	0	0.0	0	0.0	1	0.5	1	1.0	0	0.0
	20-29	8	6.2	6	9.7	1	1.7	19	9.8	10	10.1	7	9.2
	30-39	24	18.5	13	21.0	10	17.2	57	29.4	25	25.3	24	31.6
	40-49	45	34.6	18	29.0	24	41.4	63	32.5	32	32.3	28	36.8
	50-64	40	30.8	20	32.3	17	29.3	33	17.0	23	23.2	7	9.2
	65+	7	5.4	3	4.8	3	5.2	8	4.1	5	5.1	1	1.3
	Unk	6	4.6	2	3.2	3	5.2	13	6.7	3	3.0	9	11.8

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, 2012

Number of Marriage	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	9.3	11.6	10.0	12.3	7.8	9.8
First Marriage	9.9	12.2	10.6	12.8	8.6	10.5
Second Marriage	8.4	10.6	9.2	11.2	6.9	8.4
Third Marriage+	6.8	8.5	7.8	9.3	4.4	6.1
Not Stated	8.7	12.2	12.1	14.3	5.9	9.2
<b>Wife</b>						
All Marriages	9.3	11.6	10.1	12.3	7.6	9.7
First Marriage	9.9	12.2	10.7	12.9	8.4	10.6
Second Marriage	8.9	10.8	9.9	11.8	6.6	7.9
Third Marriage+	5.7	7.2	6.7	7.9	3.1	3.8
Not Stated	9.6	12.5	10.6	14.0	7.8	9.9

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, 2012

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	71	2.2	40	1.7	28	3.4	71	2.2	39	1.7	27	3.5
	1-4	817	25.2	539	23.3	254	30.5	817	25.2	530	22.9	246	31.5
	5-9	822	25.4	570	24.6	227	27.2	822	25.4	573	24.7	209	26.8
	10-14	581	17.9	417	18.0	149	17.9	581	17.9	426	18.4	133	17.0
	15-19	371	11.5	294	12.7	72	8.6	371	11.5	297	12.8	65	8.3
	20-24	242	7.5	193	8.3	47	5.6	242	7.5	192	8.3	44	5.6
	25-29	170	5.2	141	6.1	26	3.1	170	5.2	135	5.8	27	3.5
	30+	136	4.2	107	4.6	20	2.4	136	4.2	110	4.7	19	2.4
	Not Stated	29	0.9	15	0.6	11	1.3	29	0.9	16	0.7	11	1.4
First Marriage	<1	37	1.7	21	1.3	13	2.3	35	1.7	20	1.3	12	2.3
	1-4	538	24.5	363	23.2	156	27.8	514	24.4	344	22.9	143	27.7
	5-9	526	24.0	355	22.7	153	27.2	514	24.4	339	22.6	148	28.7
	10-14	393	17.9	274	17.5	109	19.4	365	17.3	259	17.3	93	18.0
	15-19	265	12.1	208	13.3	54	9.6	254	12.0	206	13.7	43	8.3
	20-24	182	8.3	148	9.5	33	5.9	185	8.8	149	9.9	32	6.2
	25-29	126	5.7	103	6.6	20	3.6	129	6.1	99	6.6	22	4.3
	30+	109	5.0	85	5.4	18	3.2	102	4.8	80	5.3	18	3.5
	Not Stated	16	0.7	8	0.5	6	1.1	11	0.5	5	0.3	5	1.0
Second Marriage	<1	19	2.7	14	2.7	5	3.1	22	3.1	11	2.1	9	5.8
	1-4	182	26.1	128	24.4	53	32.5	170	23.7	107	20.0	55	35.3
	5-9	195	27.9	138	26.3	52	31.9	198	27.7	149	27.9	41	26.3
	10-14	128	18.3	99	18.9	28	17.2	144	20.1	112	20.9	27	17.3
	15-19	73	10.5	60	11.5	12	7.4	89	12.4	73	13.6	15	9.6
	20-24	41	5.9	35	6.7	5	3.1	40	5.6	33	6.2	6	3.8
	25-29	32	4.6	28	5.3	4	2.5	26	3.6	24	4.5	2	1.3
	30+	19	2.7	17	3.2	1	0.6	21	2.9	21	3.9	0	0.0
	Not Stated	9	1.3	5	1.0	3	1.8	6	0.8	5	0.9	1	0.6
Third Marriage and more	<1	10	4.6	5	3.0	5	9.8	10	4.5	7	3.8	3	9.1
	1-4	66	30.1	39	23.6	26	51.0	86	39.1	61	33.3	24	72.7
	5-9	70	32.0	60	36.4	9	17.6	66	30.0	59	32.2	4	12.1
	10-14	36	16.4	29	17.6	6	11.8	37	16.8	35	19.1	2	6.1
	15-19	22	10.0	21	12.7	1	2.0	12	5.5	12	6.6	0	0.0
	20-24	6	2.7	3	1.8	3	5.9	3	1.4	3	1.6	0	0.0
	25-29	6	2.7	6	3.6	0	0.0	3	1.4	3	1.6	0	0.0
	30+	1	0.5	1	0.6	0	0.0	1	0.5	1	0.5	0	0.0
	Not Stated	2	0.9	1	0.6	1	2.0	2	0.9	2	1.1	0	0.0
Not Stated	<1	5	3.8	0	0.0	5	8.6	4	1.8	1	1.0	3	3.9
	1-4	31	23.8	9	14.5	19	32.8	47	21.4	18	18.2	24	31.6
	5-9	31	23.8	17	27.4	13	22.4	44	20.0	26	26.3	16	21.1
	10-14	24	18.5	15	24.2	6	10.3	35	15.9	20	20.2	11	14.5
	15-19	11	8.5	5	8.1	5	8.6	16	7.3	6	6.1	7	9.2
	20-24	13	10.0	7	11.3	6	10.3	14	6.4	7	7.1	6	7.9
	25-29	6	4.6	4	6.5	2	3.4	12	5.5	9	9.1	3	3.9
30+	7	5.4	4	6.5	1	1.7	12	5.5	8	8.1	1	1.3	
Not Stated	2	1.5	1	1.6	1	1.7	10	4.5	4	4.0	5	6.6	

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, 2012

Number of Children Under 18	Race							
	All Races		White		Black		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Husband</b>	3239	100.0	2316	100.0	834	100.0	89	100.0
None	1867	57.6	1283	55.4	527	63.2	57	64.0
1	585	18.1	459	19.8	106	12.7	20	22.5
2	563	17.4	423	18.3	131	15.7	9	10.1
3	171	5.3	117	5.1	51	6.1	3	3.4
4	39	1.2	25	1.1	14	1.7	0	0.0
5+	13	0.4	9	0.4	4	0.5	0	0.0
Unknown	1	0.0	0	0.0	1	0.1	0	0.0
<b>Wife</b>	3239	100.0	2318	100.0	781	100.0	140	100.0
None	1867	57.6	1271	54.8	506	64.8	90	64.3
1	585	18.1	458	19.8	97	12.4	30	21.4
2	563	17.4	429	18.5	120	15.4	14	10.0
3	171	5.3	126	5.4	39	5.0	6	4.3
4	39	1.2	26	1.1	13	1.7	0	0.0
5+	13	0.4	8	0.3	5	0.6	0	0.0
Unknown	1	0.0	0	0.0	1	0.1	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

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# Live Births

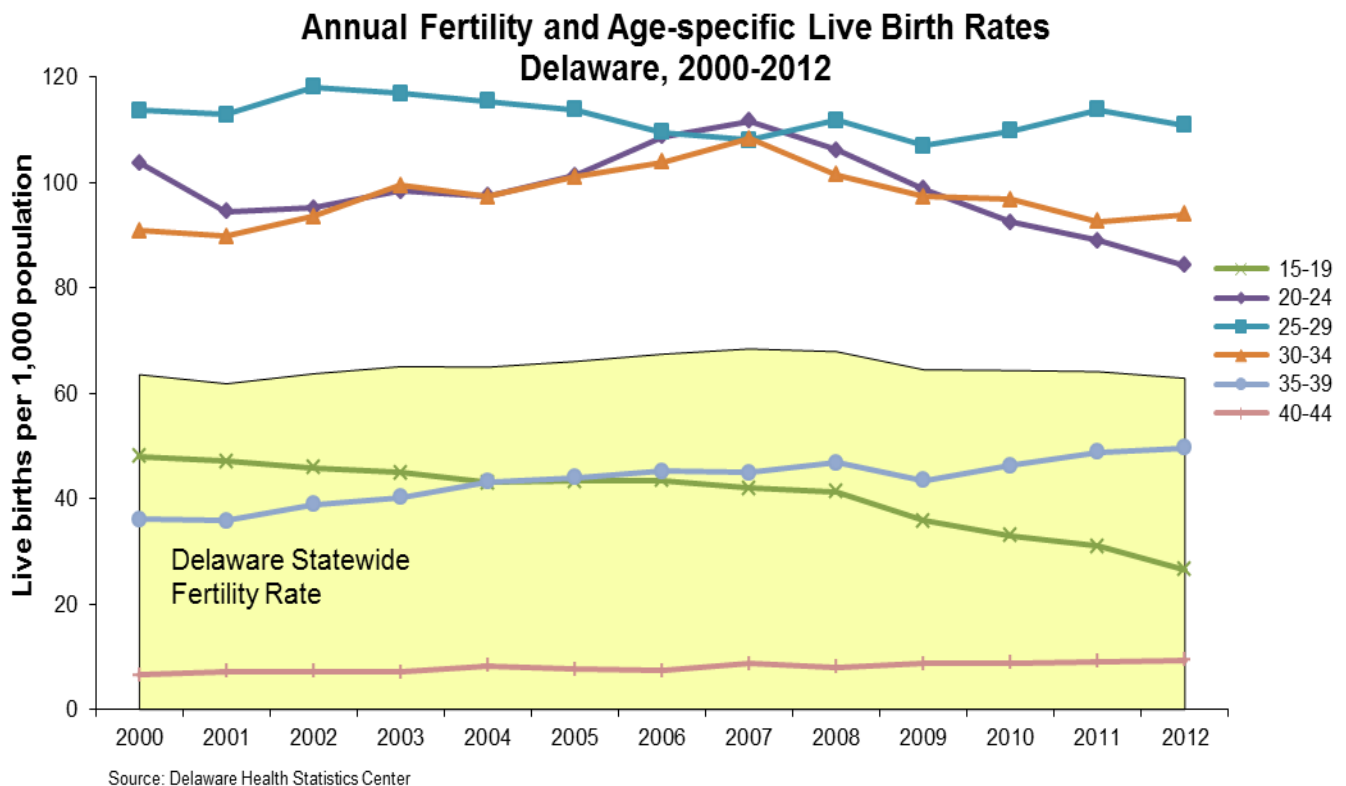


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## LIVE BIRTHS

In 2012, there were 11,382 births in Delaware; 10,418 were to Delaware residents and 964 were to non-residents. Additionally, 555 births to Delaware residents occurred out of state, for a total of 10,982 Delaware resident births, 245 fewer than in 2011.

The recent national declines in general fertility and live birth rates were also apparent in Delaware statistics. From 2008 to 2012, the general fertility rate (number of births per 1,000 women aged 15-44 years) declined from a high of 68.0 to 62.9 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, with decreases of 35.8 and 20.6 percents, respectively. Birth rates for woman ages 30-34 years also decreased but only by 7.5 percent. Birth rates of women ages 35-39 and 40-44 both increased with the latter have the larger increase (15.3 percent) of the two.



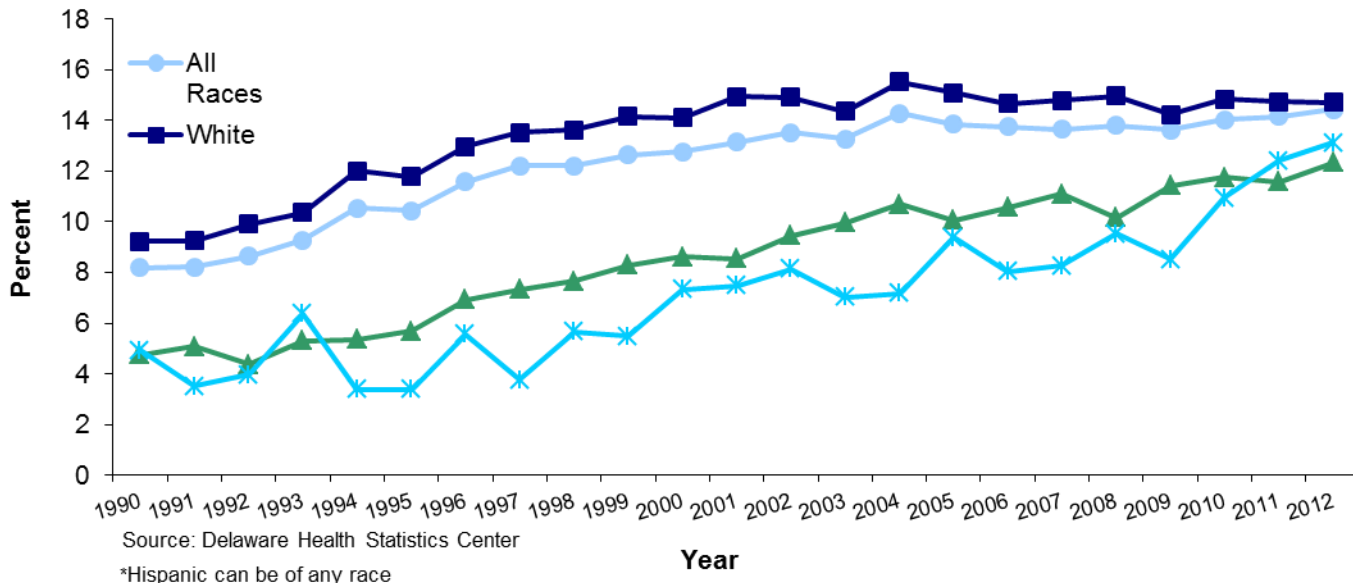
The 2008 to 2012 decline seen in teens ages 15-19 was apparent in both the 15-17 and 18-19 age groups, whose birth rates had percentage decreases of 42.7 and 34.9 percent, respectively. Birth rates for teens in both age groups were overwhelmingly the highest in Sussex County, distantly followed by Kent County.

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

## LIVE BIRTHS

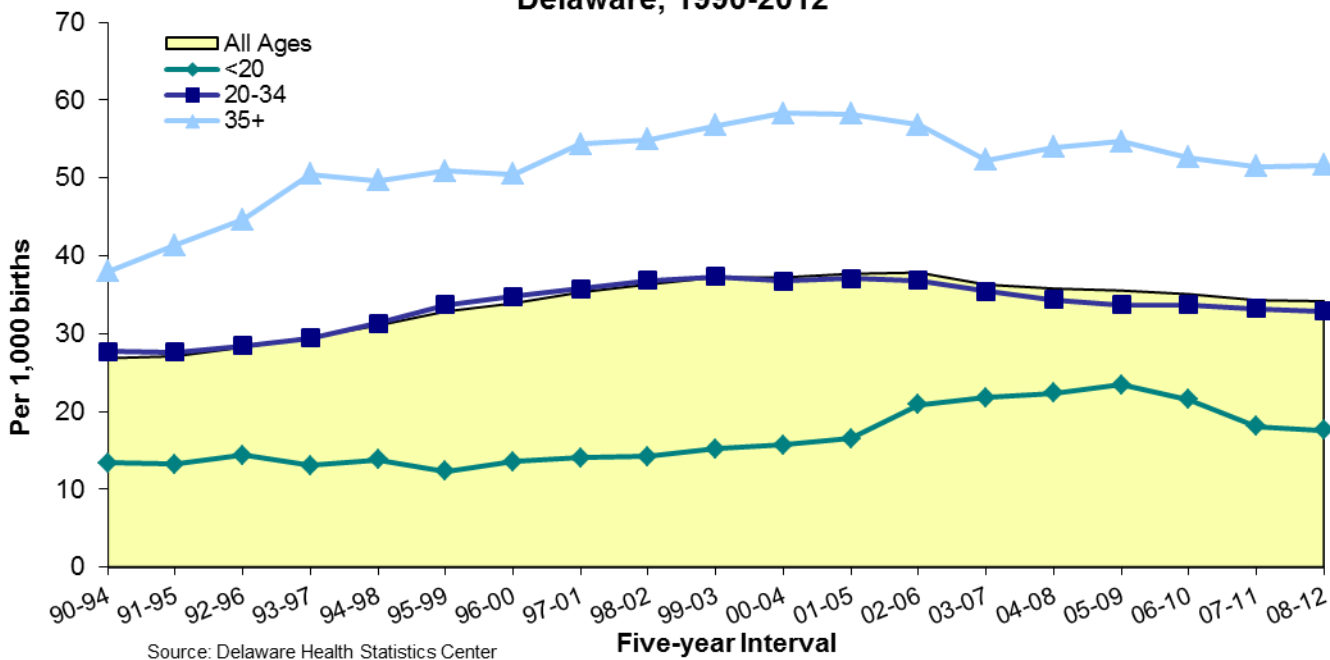
Between 1990 and 2004, the percentage of births to women 35 and older exhibited a clear upward trend that continues to rise. In 2012, 14.4 percent of all births were to women 35 and older, versus 8.2 percent of all births in 1990.

**Annual Percent of Live Births to Women 35 or Older by Race and Hispanic Origin\*, Delaware, 1990-2012**



For mothers of all ages, the rate of plural births increased 27 percent between 1990-1994 and 2008-2012. In 2008-2012, older mothers (35+) had the highest plural birth rates, at 51 multiples per 1,000 births, almost three times that of mothers under 20, and 57 percent higher than mothers 20-34.

**Five-year Average Plural Birth Rate by Age of Mother Delaware, 1990-2012**

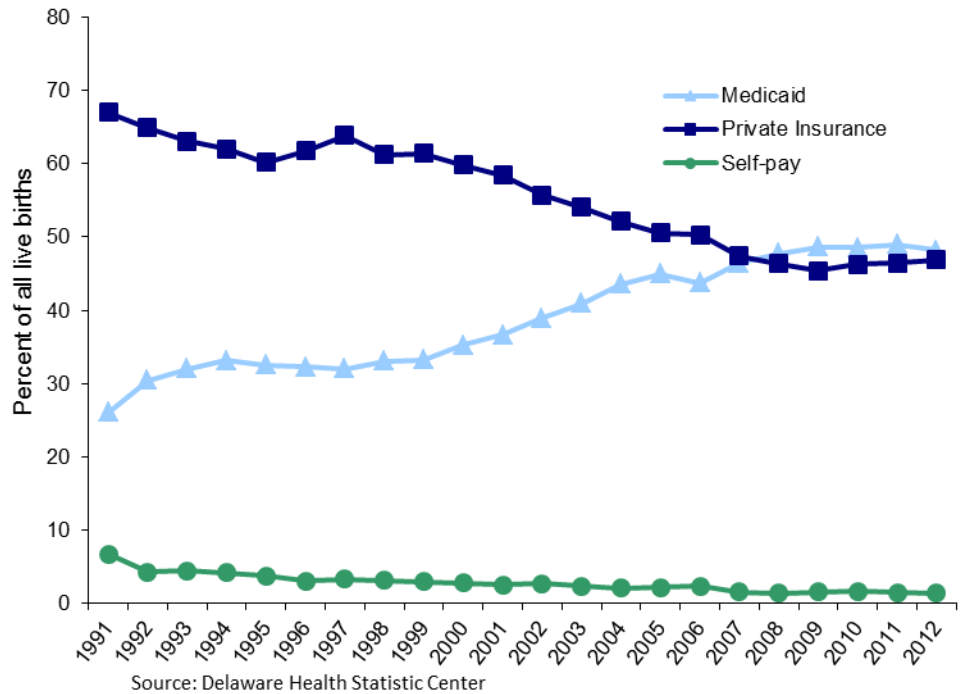


## LIVE BIRTHS

In 2012, 95.2 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 first time in five years, private insurance paid for more births than Medicaid.
- Medicaid was still the primary source of payment for the majority of mothers under 20, covering 80 percent of both black and white mothers, and 68 percent of mothers of other races.

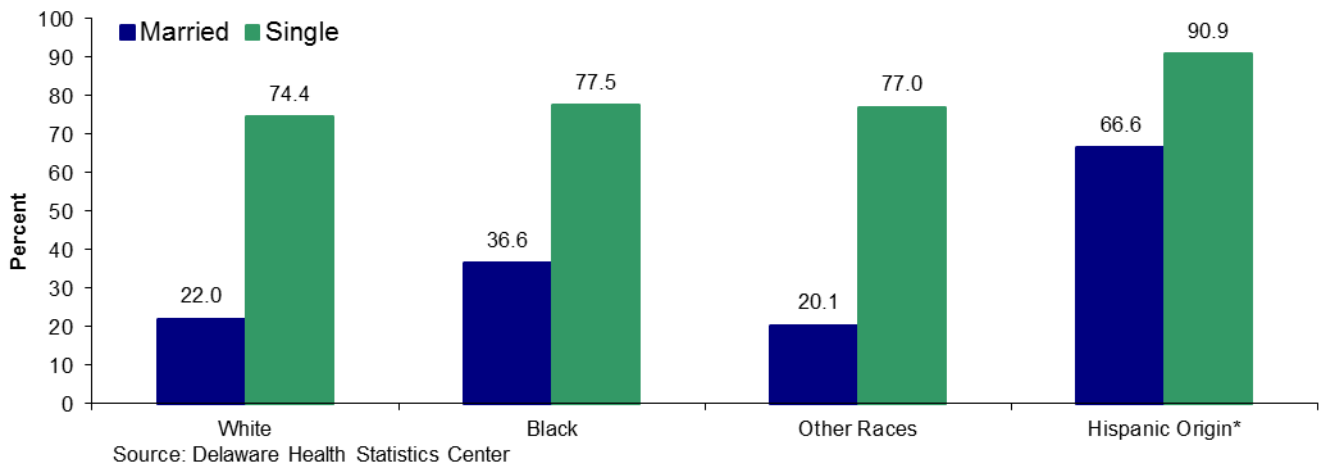
**Percent of Births by Source of Payment for Delivery Delaware, 1991-2012**



Marital status or 2012 had a tremendous effect on the use of Medicaid as the primary source of payment for delivery:

- 22 percent of white married women used Medicaid as their primary source of payment, but that number more than tripled, to 74.4 percent, for single white women.
- 36.6 percent of black married women used Medicaid as their primary source of payment, but that number more than doubled, to 77.5 percent, for single black women.
- 20.1 percent of married women of other races used Medicaid as their primary source of payment, but that number was almost four times higher, at 77.0 percent, if the mother was single.
- 66.6 percent of Hispanic married women used Medicaid as their primary source of payment; that number increased to 90.9 percent for single Hispanic women.

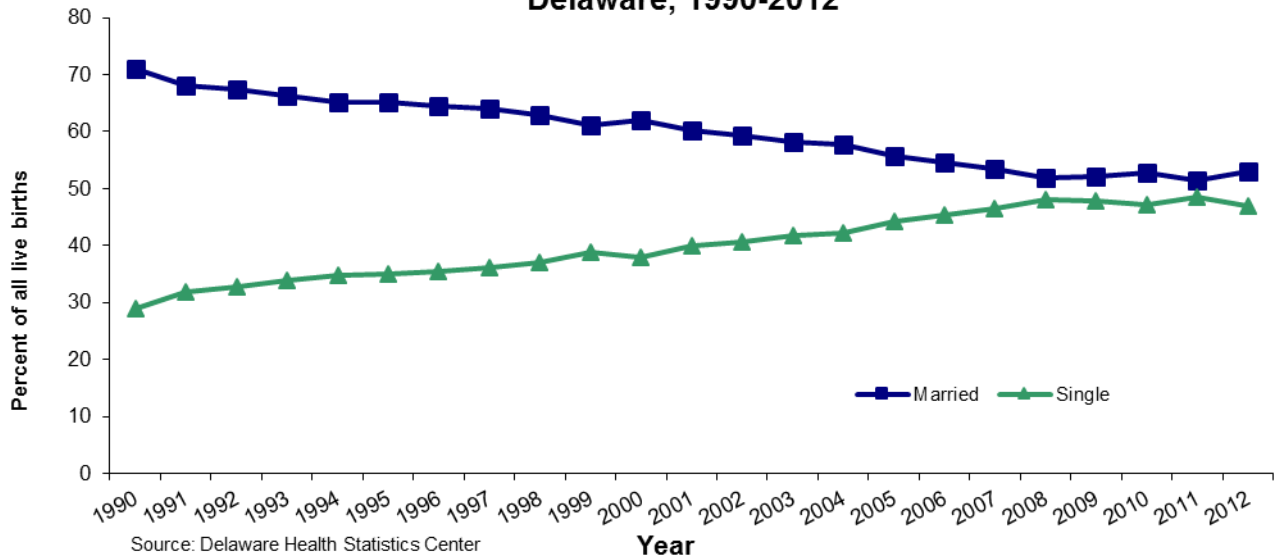
**Percent of Births by Race, Hispanic Origin, Marital Status, and Medicaid As Primary Source of Payment, Delaware, 2012**



## LIVE BIRTHS

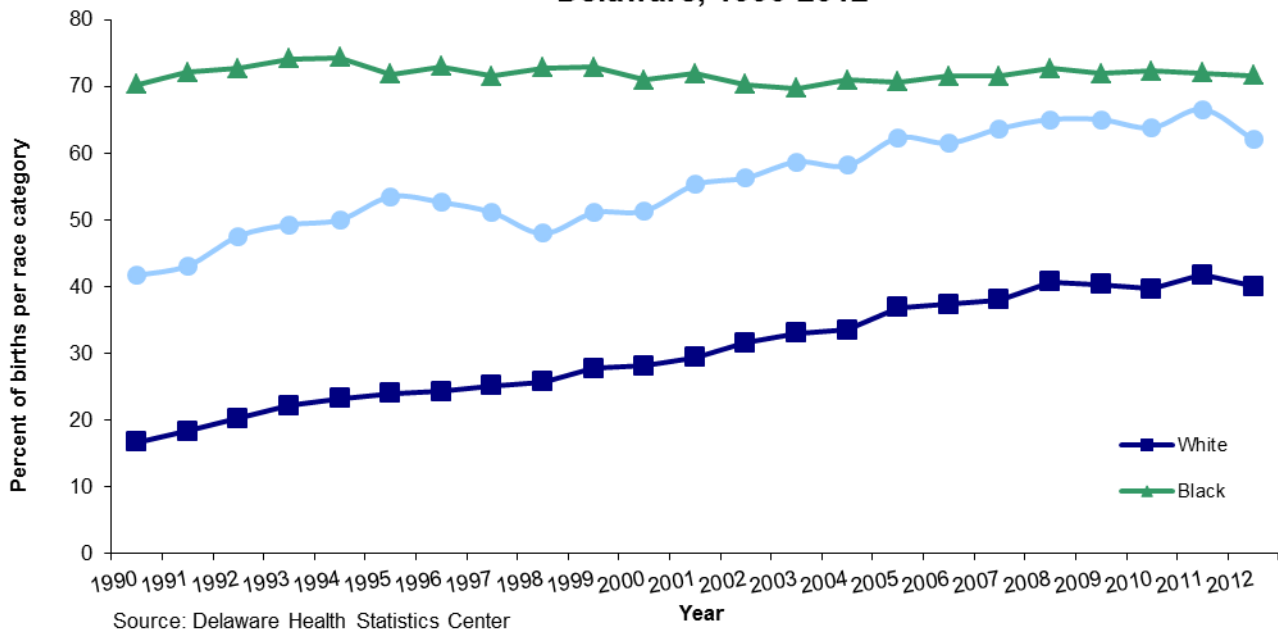
After increasing steadily from 1990 to 2008, the percent of births to unmarried women stabilized. In 2012 this number still appears somewhat stable but there was a 3.09 percent decrease since the previous year. For married mothers, there was little change between 2008 to 2012 in the percent of births but a 3 percent increase occurred since the previous year. In 2012, 47 percent of all births were to unmarried women.

**Annual Percent of Births by Mother's Marital Status  
Delaware, 1990-2012**



This shift in the distribution of mother's marital status was only apparent in births to white and Hispanic women. Between 1990 and 2012, the percentage of births to unmarried white women increased from 17 to 40 percent, and the percentage of births to unmarried Hispanic women rose from 42 to 62 percent but did exhibit a 7 percent decrease between 2011 and 2012. During the same time period, the percent of births to unmarried black women remained stable at approximately 72 percent.

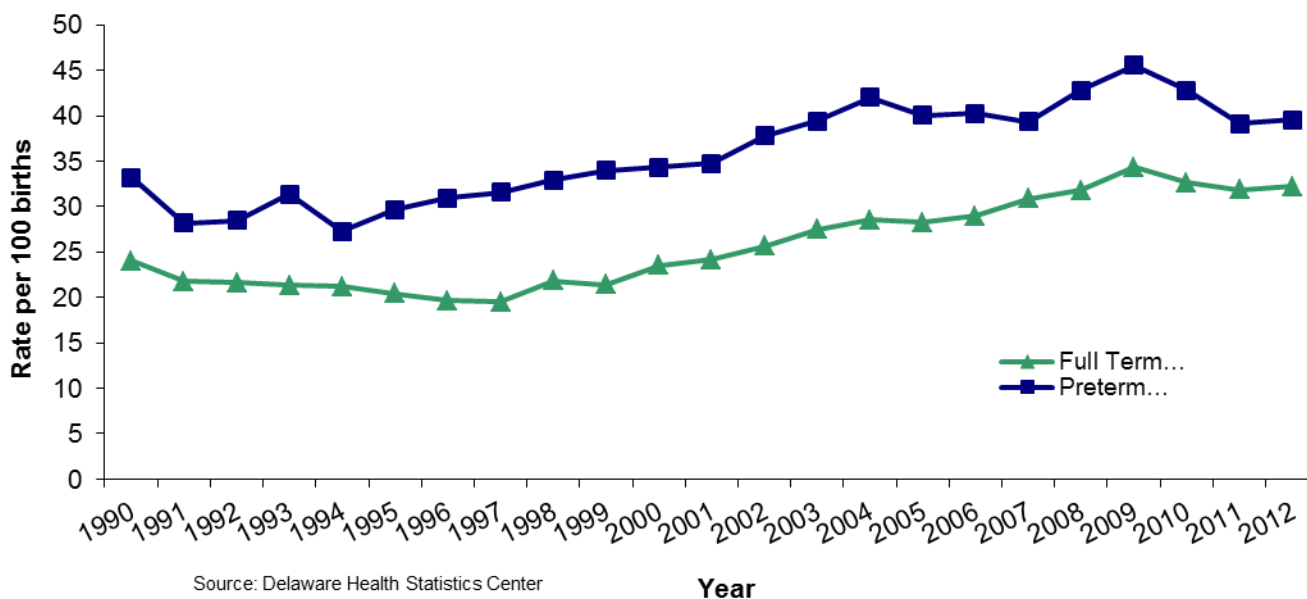
**Percent of Live Births to Unmarried Women by Race and Ethnicity  
Delaware, 1990-2012**



## LIVE BIRTHS

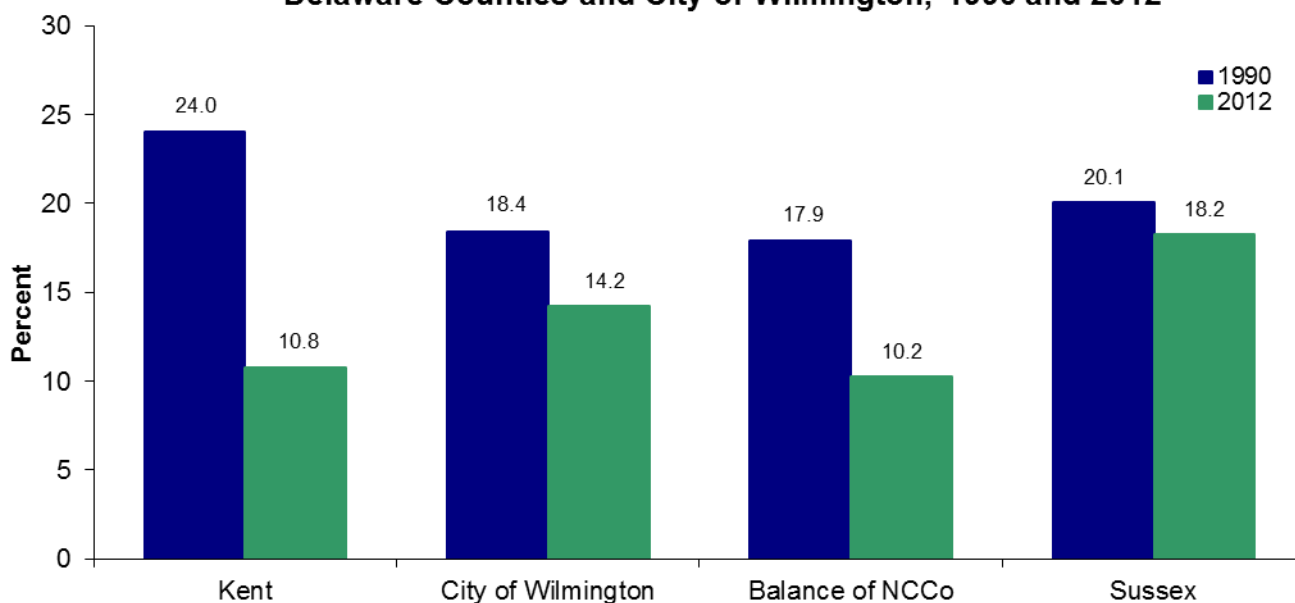
From 1998 to 2012, the rate of cesarean deliveries increased 43 percent, to 33.1 per 100 live births whereas vaginal births decreased only 12.8 percent. Both preterm (<37 weeks gestation) and term (37+ weeks gestation) births had increases in cesarean delivery rates. Although term births demonstrated a greater increase in rates between 1998 and 2012, the C-section rate for preterm births remained higher at 39.5 per 100 preterm births, versus 32.2 per 100 term births in 1998.

**Annual Rate of Cesarean Deliveries by Gestational Category  
Delaware, 1990-2012**



From 1990 to 2012, the percentage of Delaware mothers who used tobacco while pregnant decreased in all three counties and the City of Wilmington. In 2012, Sussex County had the highest percentage of mothers who smoked.

**Percent of Mothers who Smoked while Pregnant  
Delaware Counties and City of Wilmington, 1990 and 2012**



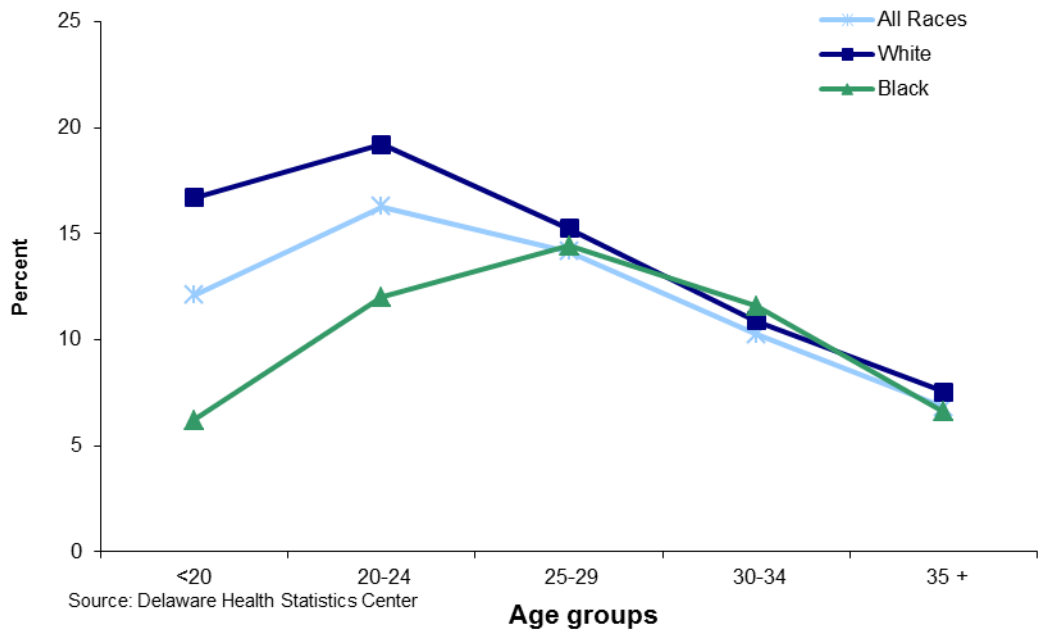
Source: Delaware Health Statistics Center

## LIVE BIRTHS

The largest percent of mothers who smoked while pregnant were white mothers in the 20-24 age group.

In the under 20, 20-24, and 35+ 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.

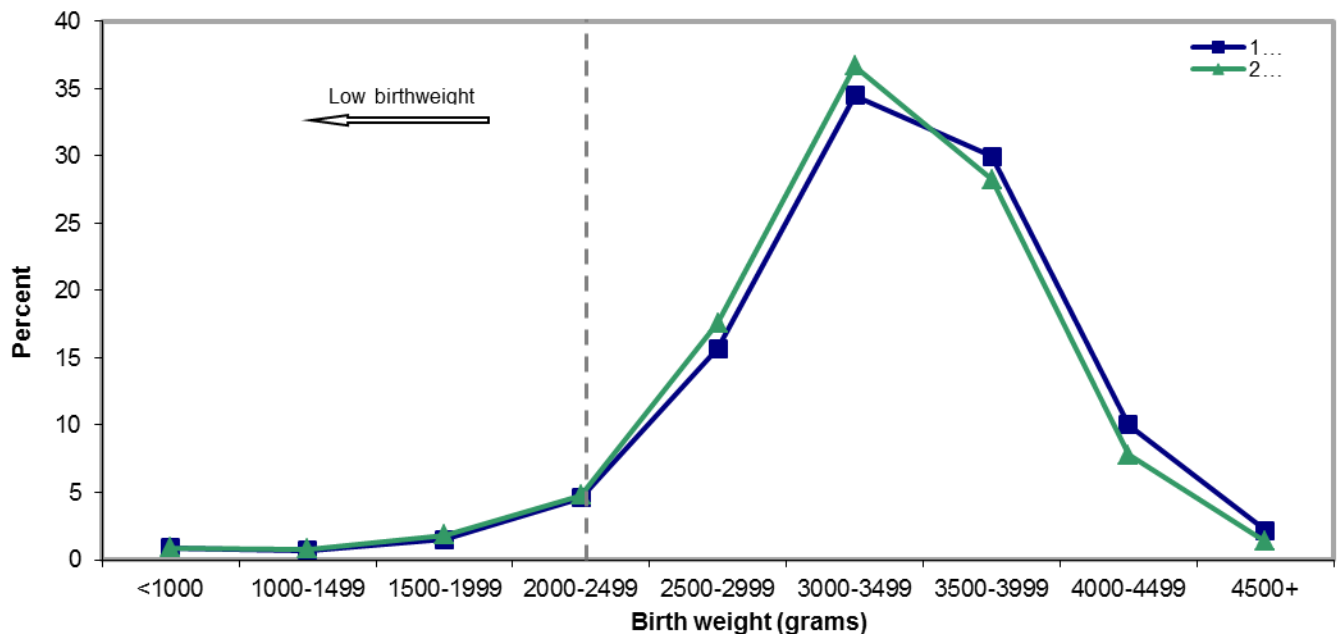
### Percent of Mothers who Smoked While Pregnant by Age Group and Race, Delaware, 2012



In 2012, 14 percent of Delaware women who smoked while pregnant gave birth to low birthweight babies (< 2500 grams), versus the significantly lower percentage (7.5) of non-smokers who gave birth to low birthweight babies.

The percent distribution of births by birthweight did not differ significantly between 1990 and 2012. The greatest percentage of births fell within the 3,000 to 3,499 gram range.

### Percent Distribution of Births by Birthweight Delaware, 1990 and 2012

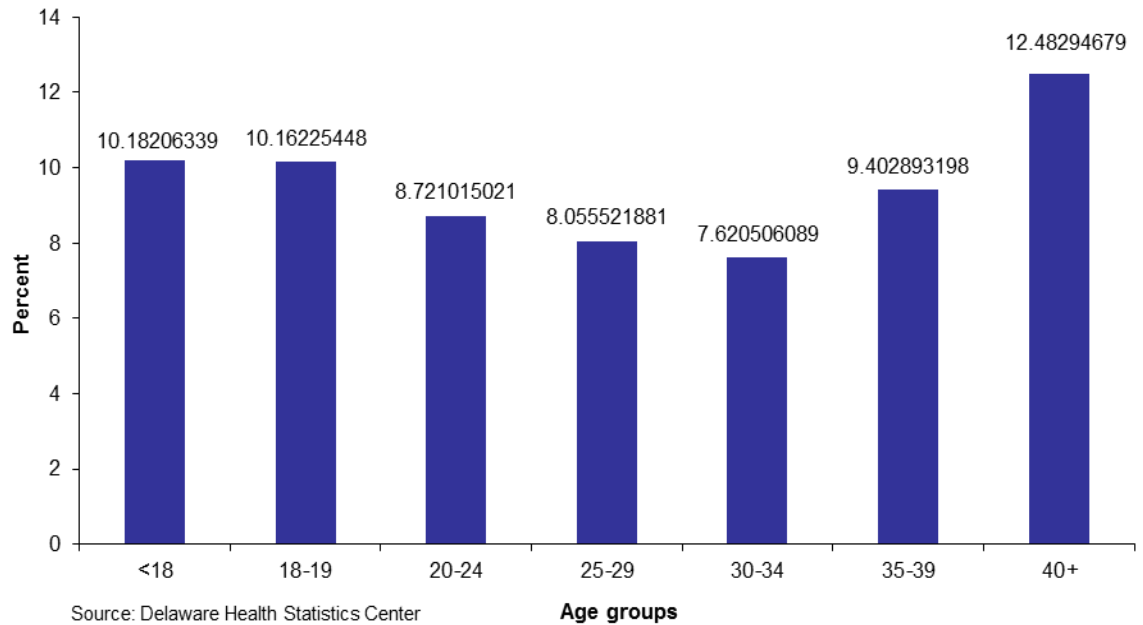


## LIVE BIRTHS

From 2007-2011 to 2008-2012, the five-year percent of low birthweight (LBW) births and very low birthweight (VLBW) births remained relatively stable at 8.6 and 1.8, respectively.

The percent of LBW births was greatest for mothers in the 40 and older age group (12.5 percent) and lowest for those in the 30-34 age group.

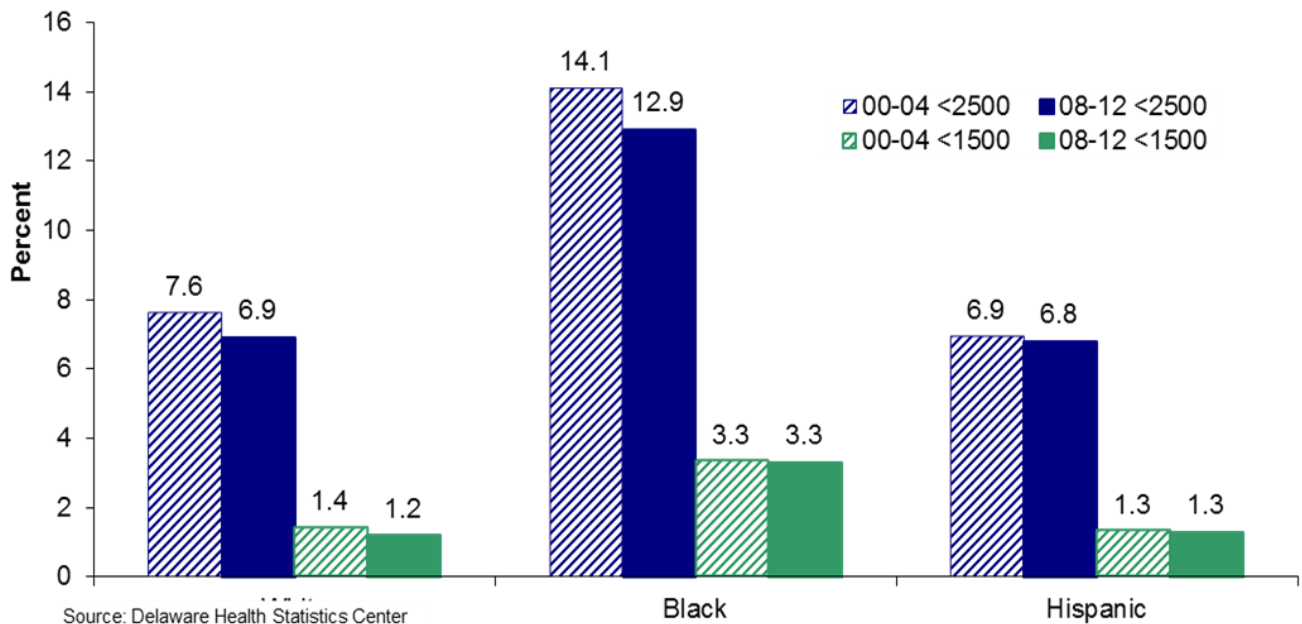
**Five-year Percent of Low Birthweight Births (<2500 grams) by Mother's Age Delaware, 2008-2012**



Among mothers of all ages in 2012, black mothers had the highest percentage of LBW and VLBW births, at 11.9 percent and 2.8 percent, respectively.

Between 2000-2004 and 2008-2012, the percentages of white, black, and Hispanic infants born at low birthweight all declined. For the same period, only the percentage of white infants born at very low birth weight declined while both black and Hispanic percentages remained the same.

**Five-year Average Percent of Low (<2500 grams) and Very Low Birth Weight Births (<1500 grams) by Race and Hispanic Origin Delaware, 2000-2004 and 2008-2012**





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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2002-2012

(ALL RACES)

Area/ Age	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>U.S.</b>	4021726	4089950	4112052	4138349	4265555	4316233	4247694	4130665	3999386	3953590	3952841
<20	432808	421241	422043	421315	441832	451094	440522	414831	372175	333746	309060
20-24	1022106	1032305	1034454	1040388	1080437	1082354	1052184	1005982	951688	925200	916811
25-29	1060391	1086366	1104485	1131596	1181899	1208408	1195774	1166787	1133713	1127583	1123900
30+	1506421	1550038	1551070	1545050	1561387	1574377	1559214	1543065	1541810	1567061	1603070
<b>Delaware</b>	11083	11337	11358	11603	11894	12097	12016	11369	11291	11227	10982
<20	1233	1227	1198	1239	1281	1251	1251	1085	983	909	768
20-24	2799	2917	2861	2931	3056	3095	3000	2831	2707	2642	2534
25-29	2858	2878	2985	3101	3226	3335	3477	3280	3293	3297	3151
30+	4193	4315	4314	4332	4331	4416	4288	4173	4308	4379	4529
<b>Kent</b>	1902	2062	2010	2175	2230	2243	2294	2258	2228	2166	2206
<20	230	243	242	266	246	252	235	209	198	183	162
20-24	598	713	660	670	679	685	672	719	633	601	597
25-29	521	507	531	603	625	689	669	687	703	685	664
30+	553	599	577	636	680	617	718	643	694	697	783
<b>New Castle</b>	7163	7174	7120	7172	7300	7357	7229	6794	6780	6880	6479
<20	730	712	667	654	716	669	695	613	546	527	410
20-24	1587	1577	1502	1562	1652	1599	1554	1424	1418	1417	1294
25-29	1852	1840	1858	1922	1953	1965	2081	1921	1915	1956	1822
30+	2994	3045	3093	3034	2979	3124	2899	2836	2901	2980	2953
Wilmington	1254	1219	1162	1207	1341	1290	1295	1237	1064	1111	1005
<20	274	243	222	218	243	221	238	193	153	159	122
20-24	396	395	375	351	423	399	375	360	294	275	264
25-29	253	249	252	285	317	309	337	312	275	301	258
30+	331	332	313	353	358	361	345	372	342	376	361
Balance of NC County	5909	5955	5958	5965	5959	6067	5934	5557	5716	5769	5474
<20	456	469	445	436	473	448	457	420	393	368	288
20-24	1191	1182	1127	1211	1229	1200	1179	1064	1124	1142	1030
25-29	1599	1591	1606	1637	1636	1656	1744	1609	1640	1655	1564
30+	2663	2713	2780	2681	2621	2763	2554	2464	2559	2604	2592
<b>Sussex</b>	2018	2101	2228	2256	2364	2497	2493	2317	2283	2181	2297
<20	273	272	289	319	319	330	321	263	239	199	196
20-24	614	627	699	699	725	811	774	688	656	624	643
25-29	485	531	596	576	648	681	727	672	675	656	665
30+	646	671	644	662	672	675	671	694	713	702	793

Sources:  
National Center for Health Statistics  
Delaware Health Statistics Center

RESLVBRT

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2002-2012

(WHITE)

Area/ Age	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>U.S.</b>	3174760	3225848	3222928	3229294	3310308	3336626	3274163	3173293	3069315	3020355	2999820
<20	309872	302024	300858	298910	311947	318103	309714	291731	261750	234461	218091
20-24	783000	790910	788264	790445	818253	818503	791852	751430	706130	680525	670593
25-29	851142	871496	880870	899406	935928	954168	942837	917877	893103	883545	874345
30+	1230746	1261418	1252936	1240533	1244180	1245852	1229760	1212255	1208332	1221824	1236791
<b>Delaware</b>	7772	7823	7897	8113	8110	7996	8113	7612	7566	7510	7312
<20	655	691	653	714	717	659	703	592	546	511	443
20-24	1778	1820	1817	1910	1894	1895	1871	1788	1659	1588	1536
25-29	2063	2035	2102	2224	2291	2278	2393	2270	2290	2273	2151
30+	3276	3277	3325	3265	3208	3164	3146	2962	3071	3138	3182
<b>Kent</b>	1350	1444	1388	1529	1557	1528	1578	1538	1502	1497	1507
<20	128	146	125	146	131	151	132	111	103	105	83
20-24	411	463	442	459	449	428	440	469	410	370	376
25-29	373	373	370	437	466	501	472	485	507	514	475
30+	438	462	451	487	511	448	534	473	482	508	573
<b>New Castle</b>	4921	4885	4816	4846	4802	4711	4560	4260	4264	4308	3985
<20	378	380	343	363	384	337	343	310	265	271	212
20-24	933	956	881	964	940	922	865	809	783	775	679
25-29	1313	1281	1257	1313	1334	1265	1327	1239	1233	1230	1130
30+	2297	2268	2335	2206	2144	2187	2025	1902	1983	2032	1964
Wilmington	462	477	437	475	488	472	446	423	444	446	375
<20	64	62	51	61	51	43	50	39	36	43	30
20-24	96	116	112	109	118	118	87	105	92	79	67
25-29	108	112	104	117	140	118	138	106	131	123	95
30+	194	187	170	188	179	193	171	173	185	201	183
Balance of NC County	4459	4408	4379	4371	4314	4239	4114	3837	3820	3862	3610
<20	314	318	292	302	333	294	293	271	229	228	182
20-24	837	840	769	855	822	804	778	704	691	696	612
25-29	1205	1169	1153	1196	1194	1147	1189	1133	1102	1107	1035
30+	2103	2081	2165	2018	1965	1994	1854	1729	1798	1831	1781
<b>Sussex</b>	1501	1494	1693	1738	1751	1757	1975	1814	1800	1705	1820
<20	149	165	185	205	202	171	228	171	178	135	148
20-24	434	401	494	487	505	545	566	510	466	443	481
25-29	377	381	475	474	491	512	594	546	550	529	546
30+	541	547	539	572	553	529	587	587	606	598	645

RESLVR2

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

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2002-2012

(BLACK)

Area/ Age	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>U.S.</b>	593691	599847	616074	633134	666481	675676	670809	657618	636425	632901	634126
<20	106983	103677	105620	106742	113615	116006	114249	107548	96606	86615	78813
20-24	194704	196268	200398	203716	213877	215052	212493	208885	202082	201323	202527
25-29	136591	139947	147858	156161	166860	170270	169068	165737	160007	161100	163050
30+	155413	159955	162198	166515	172129	174348	174999	175448	177730	183863	189736
<b>Delaware</b>	2706	2865	2870	2881	3018	3251	3245	3159	3086	3084	2952
<20	540	504	516	494	523	531	526	479	419	386	306
20-24	912	981	946	936	1012	1037	1034	959	976	992	924
25-29	597	617	687	683	691	790	845	821	788	799	763
30+	657	763	721	768	792	893	840	900	903	907	959
<b>Kent</b>	478	559	529	549	578	645	645	646	638	602	610
<20	97	93	110	103	110	95	99	91	93	75	76
20-24	171	237	195	192	211	237	217	229	206	213	202
25-29	117	118	133	139	125	168	175	186	163	154	166
30+	93	111	91	115	132	145	154	140	176	160	166
<b>New Castle</b>	1858	1878	1879	1878	2026	2128	2152	2063	2019	2054	1930
<20	344	323	307	285	320	320	339	296	268	250	186
20-24	610	583	569	550	647	626	630	566	591	609	571
25-29	413	404	451	458	470	519	562	527	517	535	497
30+	491	568	552	585	589	663	621	674	643	660	676
<b>Wilmington</b>	775	728	707	710	820	802	824	794	601	647	600
<20	210	178	167	157	186	176	185	151	116	116	88
20-24	294	277	260	238	298	277	285	255	195	195	194
25-29	140	134	143	159	170	185	192	198	141	174	153
30+	131	139	137	156	166	164	162	190	149	162	165
<b>Balance of NC County</b>	1083	1150	1172	1168	1206	1326	1328	1269	1418	1407	1330
<20	134	145	140	128	134	144	154	145	152	134	98
20-24	316	306	309	312	349	349	345	311	396	414	377
25-29	273	270	308	299	300	334	370	329	376	361	344
30+	360	429	415	429	423	499	459	484	494	498	511
<b>Sussex</b>	370	428	462	454	414	478	448	450	429	428	412
<20	99	88	99	106	93	116	88	92	58	61	44
20-24	131	161	182	194	154	174	187	164	179	170	151
25-29	67	95	103	86	96	103	108	108	108	110	100
30+	73	84	78	68	71	85	65	86	84	87	117

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, 2002-2012

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

Area/ Age	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>U.S.</b>	876642	912329	946349	985505	1039077	1062779	1041239	999548	945180	918129	907677
<20	130321	130880	135400	139372	148125	150974	147240	138336	123609	111236	104118
20-24	265235	273311	279746	287896	303454	305262	293054	274726	254723	243724	241138
25-29	236143	246361	254358	266590	280615	287942	281319	270641	254982	248269	244474
30+	244943	261777	276845	291647	306883	318601	319626	315845	311866	314900	317947
<b>Delaware</b>	1313	1382	1519	1674	1917	1914	1845	1653	1426	1427	1396
<20	204	217	206	271	290	255	275	223	174	166	135
20-24	432	460	527	560	614	654	565	524	404	394	375
25-29	369	382	433	417	550	537	498	467	425	431	428
30+	308	323	353	426	463	468	507	439	423	436	458
<b>Kent</b>	110	121	143	165	166	199	185	197	156	162	178
<20	20	17	25	32	25	31	28	31	17	16	15
20-24	40	46	66	54	49	67	54	74	52	55	59
25-29	34	25	29	35	48	63	40	47	57	52	50
30+	16	33	23	44	44	38	63	45	30	39	54
<b>New Castle</b>	817	862	906	990	1183	1069	1015	906	760	789	726
<20	138	148	124	157	185	136	154	137	101	116	84
20-24	248	274	291	324	379	340	293	268	207	206	187
25-29	236	233	260	247	331	285	290	255	213	221	227
30+	195	207	231	262	288	308	278	246	239	246	228
<b>Wilmington</b>	217	221	205	223	267	228	200	174	172	161	118
<20	52	54	38	48	50	37	38	30	25	34	18
20-24	75	79	77	75	94	89	64	61	55	40	39
25-29	49	53	52	55	70	48	65	49	48	48	32
30+	41	35	38	45	53	54	33	34	44	39	29
<b>Balance of NC County</b>	600	641	701	767	916	841	815	732	588	628	608
<20	86	94	86	109	135	99	116	107	76	82	66
20-24	173	195	214	249	285	251	229	207	152	166	148
25-29	187	180	208	192	261	237	225	206	165	173	195
30+	154	172	193	217	235	254	245	212	195	207	199
<b>Sussex</b>	386	399	470	519	568	646	645	550	510	476	492
<20	46	52	57	82	80	88	93	55	56	34	36
20-24	144	140	170	182	186	247	218	182	145	133	129
25-29	99	124	144	135	171	189	168	165	155	158	151
30+	97	83	99	120	131	122	166	148	154	151	176

RESLVBR4

**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, 1993-2012

Age/Area/ Race	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	2007 -2011	2008 -2012
<b>Teens 15-19</b>																
<b>U.S.</b>	55.5	53.7	51.9	50.2	48.5	46.8	45.0	43.3	41.8	41.0	40.8	40.6	40.1	39.0	37.1	34.7
White	48.7	47.5	46.2	45.0	43.7	42.4	41.1	39.7	38.5	37.9	37.7	37.6	37.1	36.2	34.5	32.3
Black	95.4	90.7	86.0	82.6	79.4	75.3	71.0	67.5	64.1	62.4	61.7	61.2	60.2	58.4	55.5	52.0
<b>Delaware</b>	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	36.6	33.6
White	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	31.0	29.1
Black	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	56.4	51.4
<b>Kent</b>	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	37.4	34.4
White	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	31.3	28.1
Black	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	58.2	55.6
<b>New Castle</b>	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	32.3	29.8
White	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	26.0	24.1
Black	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	52.5	48.1
Wilmington	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	74.1	68.9
White	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	88.4	84.5
Black	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	79.7	73.2
<b>Sussex</b>	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	51.1	46.1
White	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	46.1	45.1
Black	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	73.8	61.9
<b>Teens 15-17</b>																
<b>U.S.</b>	35.3	33.8	32.1	30.3	28.4	26.7	25.0	23.7	22.5	21.9	21.7	21.5	21.0	20.3	19.1	17.9
<b>Delaware</b>	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	18.2	16.2
<b>Kent</b>	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	17.4	16.0
<b>New Castle</b>	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	16.7	14.9
<b>Sussex</b>	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	24.3	21.2
<b>Teens 18-19</b>																
<b>U.S.</b>	87.7	85.8	83.7	81.6	79.7	77.6	75.1	72.8	70.8	70.0	69.9	69.6	68.6	66.6	63.2	59.3
<b>Delaware</b>	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	63.7	58.7
<b>Kent</b>	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	66.5	61.1
<b>New Castle</b>	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	55.3	51.2
<b>Sussex</b>	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	91.0	82.4

FYATEEN

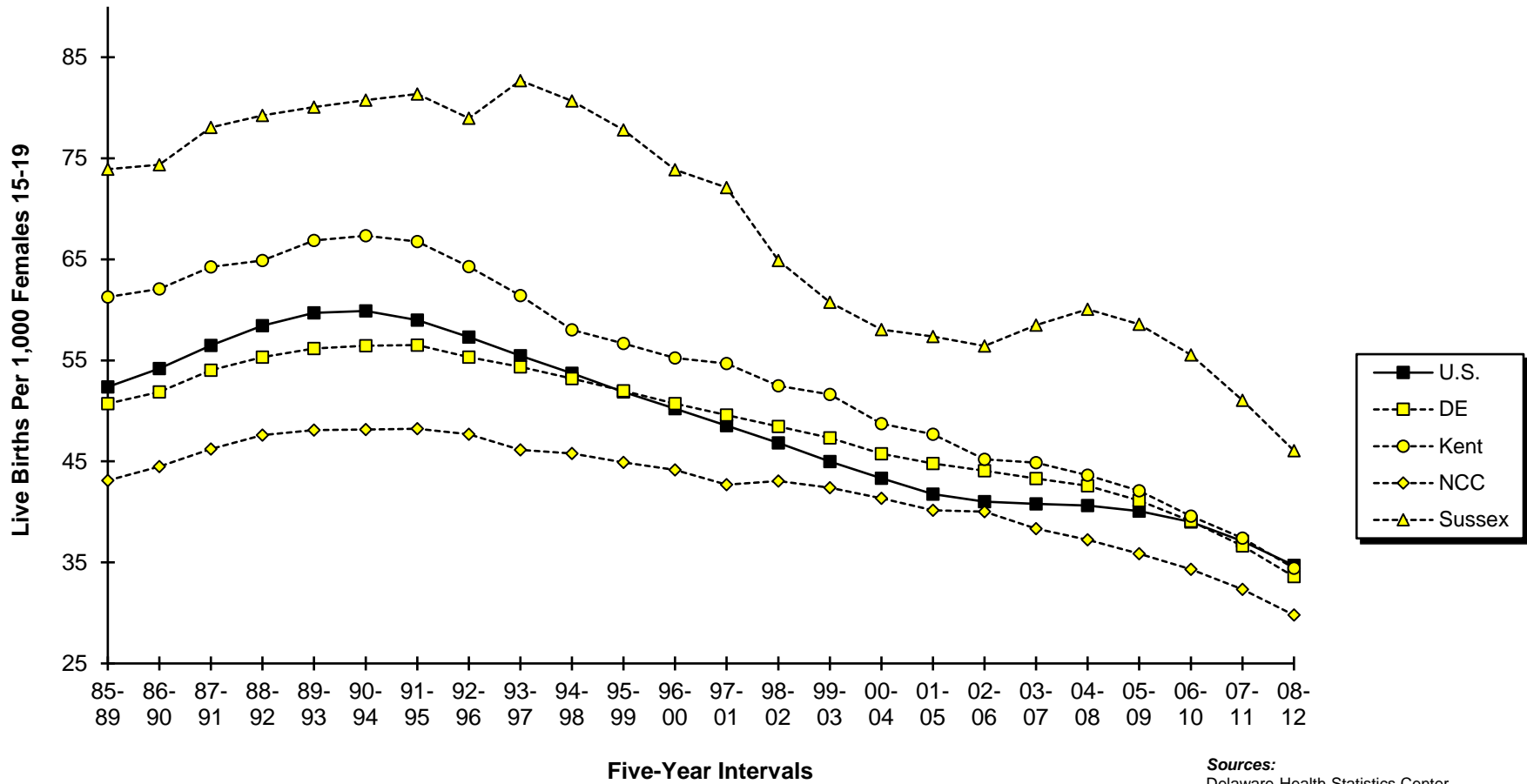
**Notes:**

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:**

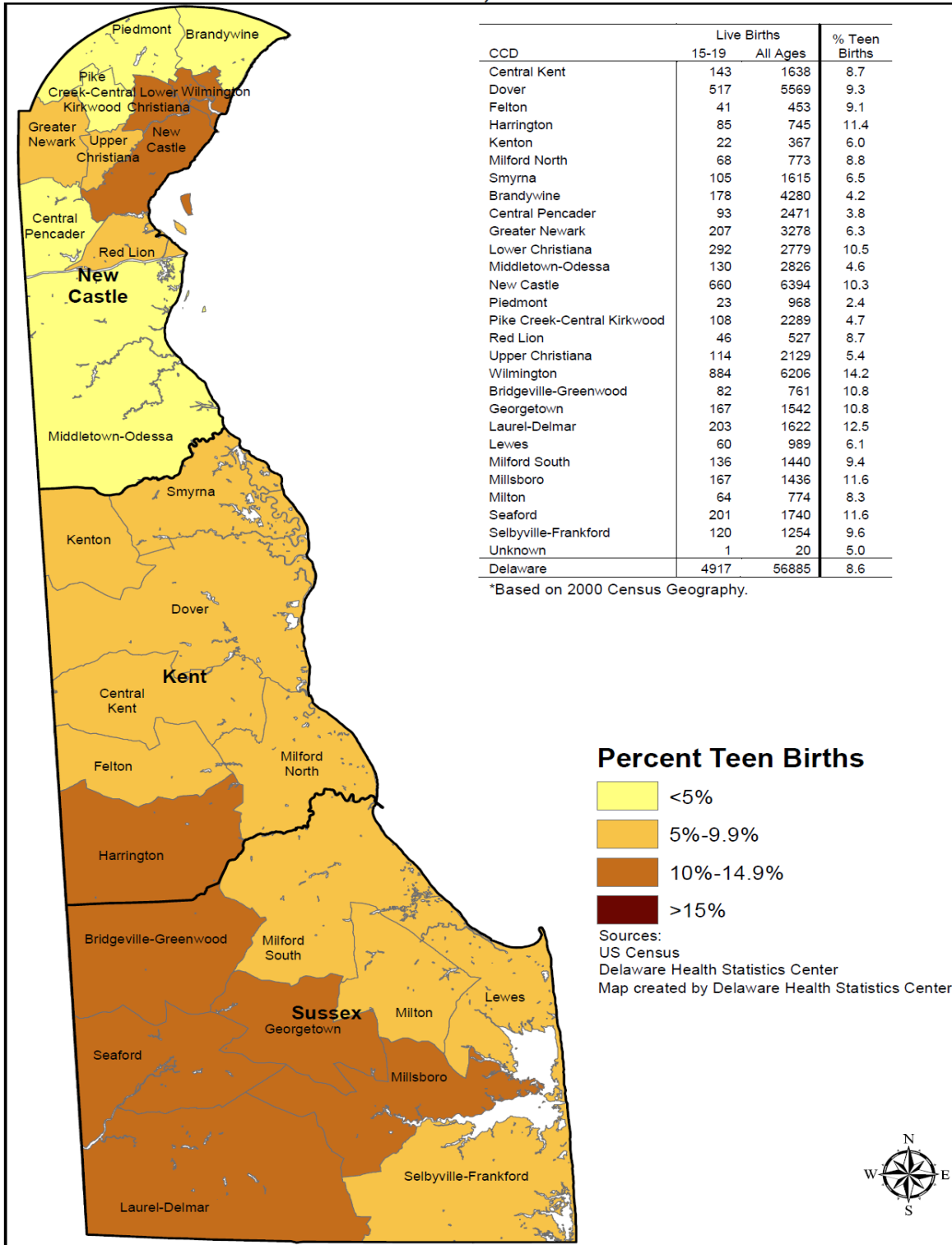
National Center for Health Statistics  
Delaware Health Statistics Center

**Figure C-1**  
**Five-Year Average Teenage (15-19) Live Birth Rates**  
**U.S., Delaware and Counties, 1985-2012**



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

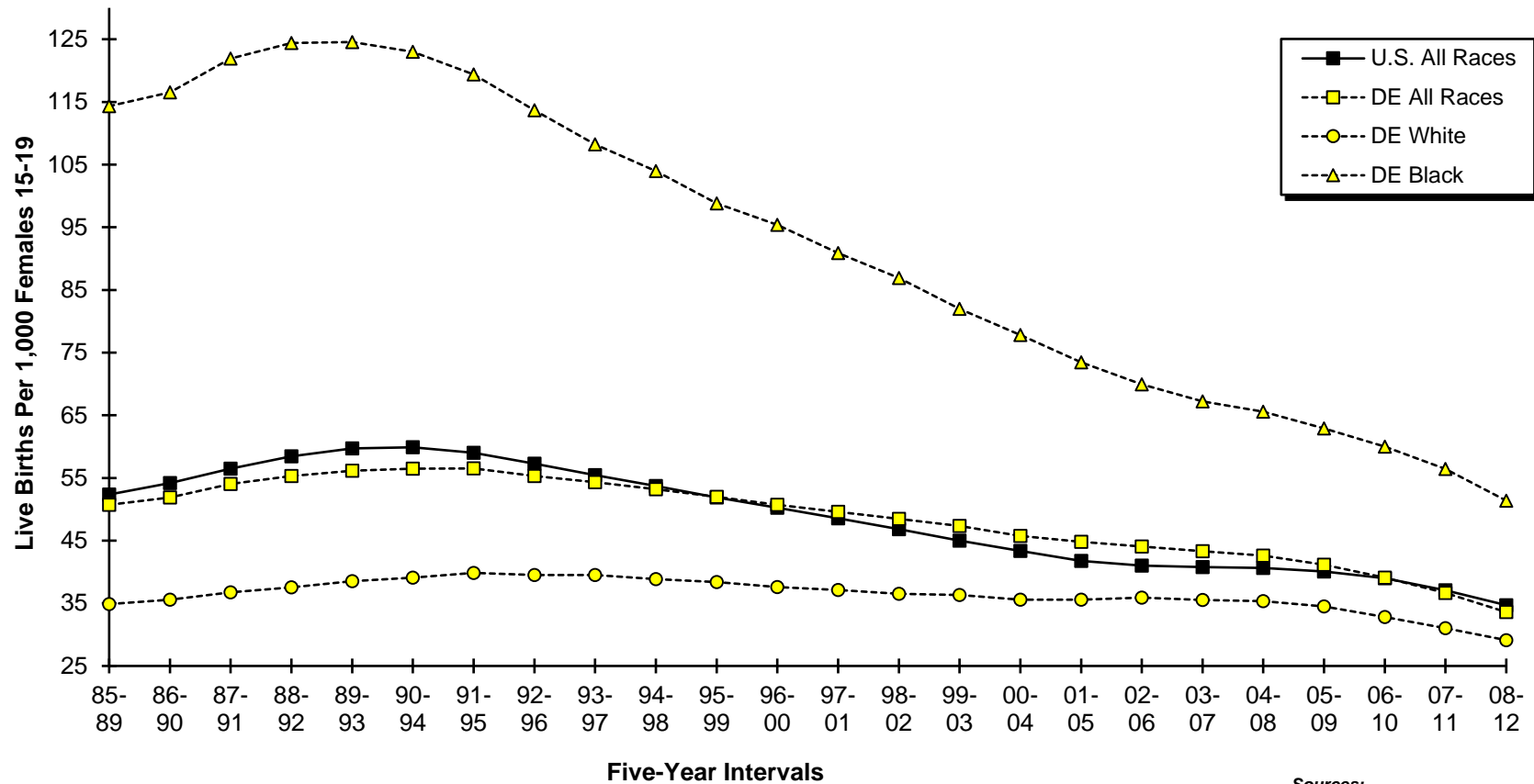
## Five-year Average Percent Live Births to Teens (15-19) by Census County Division\* Delaware, 2008-2012



MD 10.05.15

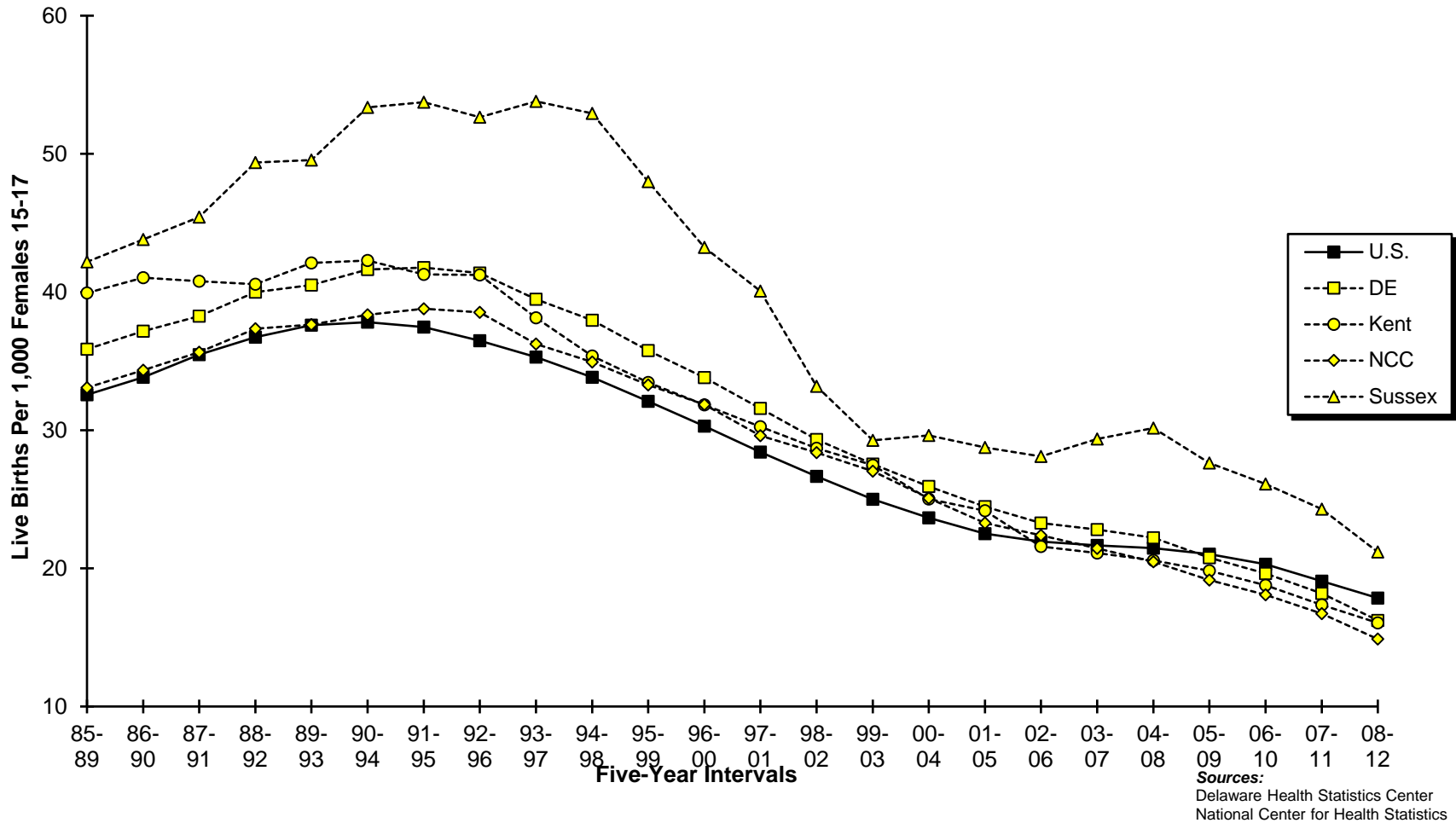


**Figure C-3**  
**Five-Year Average Teenage (15-19) Live Birth Rates by Race**  
**U.S. and Delaware, 1985-2012**



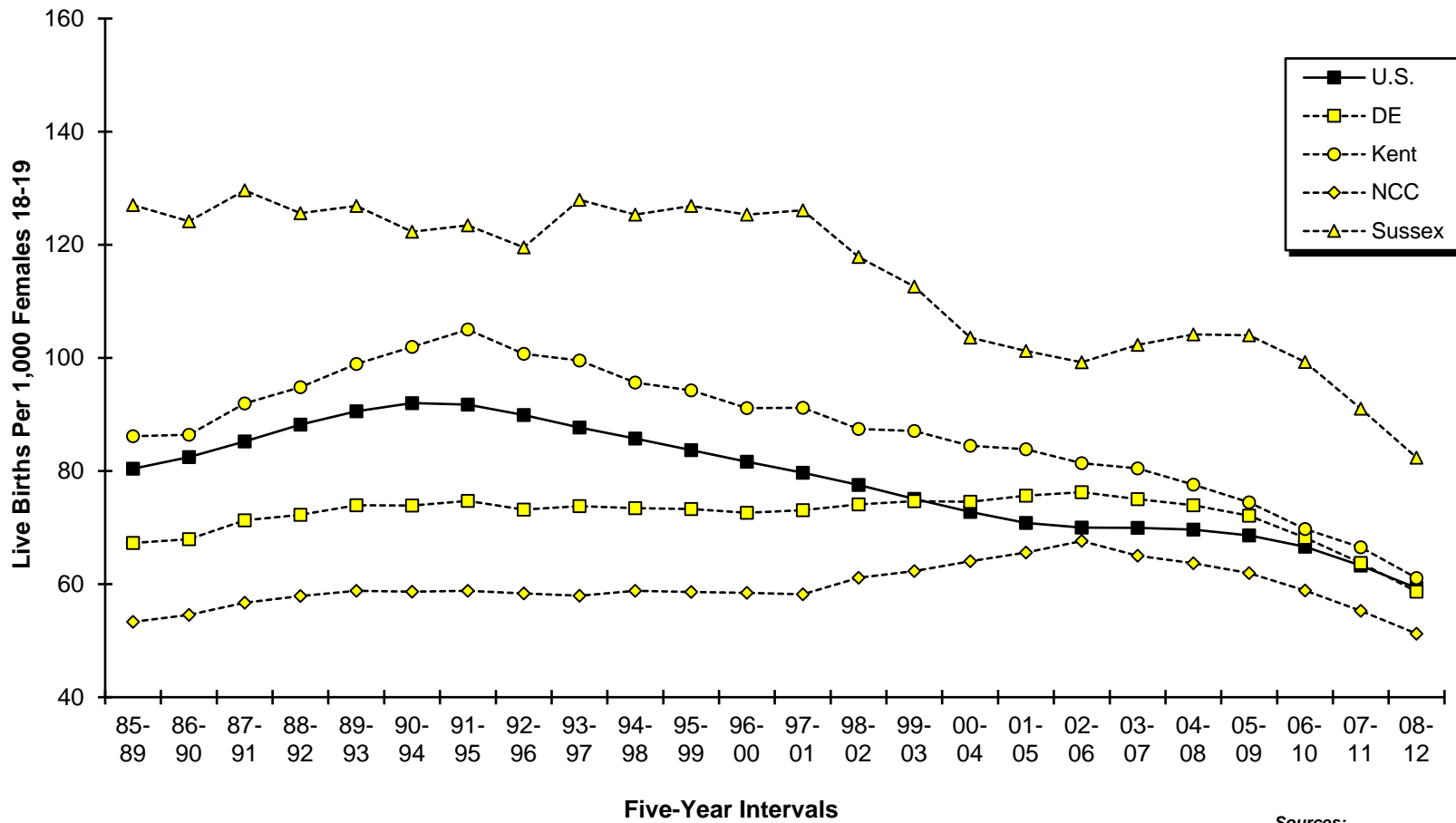
**Sources:**  
 Delaware Health Statistics Center  
 National Center for Health Statistics

**Figure C-4**  
**Five-Year Average Teenage (15-17) Live Birth Rates**  
**U.S., Delaware and Counties, 1985-2012**



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

**U.S., Delaware and Counties, 1985-2012**



**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, 1993-2012

**(ALL RACES)**

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>																
General	65.0	64.5	64.2	64.4	64.7	64.9	65.3	65.7	65.9	66.5	67.4	67.8	67.8	67.3	66.2	64.9
10-14	1.3	1.2	1.1	1.0	0.9	0.8	0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5
15-19	55.5	53.7	51.9	50.2	48.5	46.8	45.0	43.3	41.8	41.0	40.8	40.6	40.1	39.0	37.1	34.7
20-24	108.6	108.0	107.8	108.1	107.6	106.7	105.4	104.2	102.8	102.8	103.3	103.2	102.1	99.6	95.5	91.0
25-29	110.0	109.4	109.4	110.4	111.5	112.7	114.1	115.1	115.6	116.5	117.2	116.8	115.8	114.1	111.9	109.6
30-34	81.3	82.3	83.6	85.6	87.6	89.6	91.7	93.5	94.6	96.0	97.6	98.3	98.6	98.5	98.0	97.3
35-39	34.2	35.0	35.9	37.0	38.1	39.3	40.7	42.2	43.5	45.0	46.2	46.8	46.9	46.8	46.8	46.9
40-44	6.6	6.9	7.1	7.3	7.6	7.8	8.1	8.4	8.6	8.9	9.2	9.4	9.6	9.8	10.0	10.1
45-49**	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	0.7	0.7
<b>Delaware</b>																
General	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	65.9	64.7
10-14	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	0.6	0.6
15-19	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	36.6	33.6
20-24	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	99.4	93.9
25-29	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	110.1	110.6
30-34	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	99.1	96.3
35-39	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	46.0	46.9
40-44	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	8.6	8.7
45-49**	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	0.5	0.6
<b>Kent</b>																
General	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	66.5	65.9
10-14	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	0.4	0.3
15-19	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	37.4	34.4
20-24	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	112.0	107.7
25-29	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	115.4	114.1
30-34	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	86.0	85.8
35-39	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	35.7	37.8
40-44	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	6.9	7.3
45-49**	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	0.6	0.6
<b>New Castle</b>																
General	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	62.7	61.6
10-14	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	0.6	0.6
15-19	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	32.3	29.8
20-24	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	85.2	79.9
25-29	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	101.3	104.0
30-34	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	102.9	98.3
35-39	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	49.7	50.1
40-44	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	9.6	9.3
45-49**	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	0.6	0.6
<b>Sussex</b>																
General	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	76.4	74.9
10-14	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	0.8	0.6
15-19	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	51.1	46.1
20-24	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	131.0	124.6
25-29	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	138.1	130.4
30-34	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	98.9	100.6
35-39	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	43.4	45.0
40-44	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	7.1	8.1
45-49**	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	0.4	0.6

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, 1993-2012

(WHITE)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>																
General	63.8	63.5	63.5	63.8	64.1	64.6	65.2	65.7	66.0	66.7	67.6	67.9	67.9	67.4	66.4	65.1
10-14	0.8	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4
15-19	48.7	47.5	46.2	45.0	43.7	42.4	41.1	39.7	38.5	37.9	37.7	37.6	37.1	36.2	34.5	32.3
20-24	105.1	105.0	105.0	105.2	104.8	104.2	103.3	102.2	101.1	101.1	101.5	101.3	100.1	97.6	93.5	89.0
25-29	112.5	112.3	112.6	113.8	114.9	116.5	118.1	119.3	119.9	120.8	121.4	120.9	119.6	117.8	115.5	113.0
30-34	83.4	84.8	86.5	88.7	91.0	93.3	95.6	97.5	98.7	100.1	101.6	102.3	102.5	102.3	101.8	101.0
35-39	34.3	35.3	36.3	37.5	38.7	40.0	41.5	43.1	44.6	46.1	47.3	47.8	47.8	47.6	47.4	47.4
40-44	6.4	6.7	7.0	7.2	7.5	7.8	8.0	8.3	8.6	8.8	9.1	9.3	9.5	9.7	9.9	10.0
45-49**	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	0.6	0.7
<b>Delaware</b>																
General	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	65.5	65.0
10-14	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	0.3	0.3
15-19	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	31.0	29.1
20-24	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	93.0	88.5
25-29	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	112.8	114.5
30-34	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	106.7	103.7
35-39	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	48.5	49.2
40-44	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	8.5	8.8
45-49**	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	0.6	0.6
<b>Kent</b>																
General	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	69.1	69.1
10-14	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	0.3	0.3
15-19	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	31.3	28.1
20-24	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	106.1	103.0
25-29	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	137.6	131.5
30-34	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	102.9	107.3
35-39	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	38.1	40.3
40-44	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	6.4	7.0
45-49**	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	0.5	0.5
<b>New Castle</b>																
General	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	60.7	59.6
10-14	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	0.4	0.4
15-19	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	26.0	24.1
20-24	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	76.2	70.8
25-29	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	95.8	100.5
30-34	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	106.4	99.8
35-39	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	52.4	52.1
40-44	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	9.6	9.6
45-49**	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	0.6	0.6
<b>Sussex</b>																
General	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	77.0	77.7
10-14	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	0.3	0.2
15-19	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	46.1	45.1
20-24	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	125.3	122.4
25-29	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	149.0	142.5
30-34	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	111.3	115.0
35-39	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	45.9	48.5
40-44	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	7.1	8.0
45-49**	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	0.4	0.5

AGEFERT2

**Notes:**

- 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.
  - General fertility rates represent the total number of live births per 1,000 women 15-44 years of age.
  - 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, 1993-2012

(BLACK)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>																
General	72.5	70.5	69.0	68.8	68.9	68.2	67.5	67.3	67.0	67.8	69.0	69.9	70.2	69.7	68.5	67.2
10-14	3.9	3.6	3.2	2.8	2.5	2.3	2.0	1.8	1.7	1.6	1.5	1.5	1.4	1.3	1.1	1.0
15-19	95.4	90.7	86.0	82.6	79.4	75.3	71.0	67.5	64.1	62.4	61.7	61.2	60.2	58.4	55.5	52.0
20-24	138.5	136.1	135.1	136.4	136.9	135.1	132.5	130.5	128.5	129.0	130.6	131.5	130.9	128.3	123.4	118.2
25-29	98.0	96.2	95.4	96.4	98.0	98.9	99.7	101.1	102.4	104.7	106.9	108.1	108.2	107.1	105.3	103.6
30-34	63.4	62.7	62.3	62.7	63.8	64.2	64.8	65.8	66.8	68.5	70.6	72.2	73.4	73.9	73.9	74.0
35-39	28.6	28.8	29.1	29.8	30.5	31.0	31.6	32.3	33.0	33.9	34.9	35.6	36.1	36.4	36.7	37.2
40-44	6.0	6.2	6.3	6.5	6.8	7.0	7.2	7.5	7.7	8.0	8.2	8.4	8.6	8.8	9.0	9.2
45-49**	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	0.6	0.7
<b>Delaware</b>																
General	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	70.6	68.8
10-14	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	1.4	1.3
15-19	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	56.4	51.4
20-24	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	128.0	121.9
25-29	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	103.1	102.4
30-34	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	78.9	76.4
35-39	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	41.4	42.8
40-44	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	9.4	9.2
45-49**	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	0.6	0.7
<b>Kent</b>																
General	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	68.2	66.1
10-14	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	0.8	0.4
15-19	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	58.2	55.6
20-24	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	139.5	131.9
25-29	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	83.3	88.0
30-34	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	60.6	53.9
35-39	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	34.4	36.6
40-44	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	9.6	8.7
45-49**	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	0.9	0.8
<b>New Castle</b>																
General	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	69.6	68.0
10-14	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	1.3	1.3
15-19	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	52.5	48.1
20-24	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	118.5	112.4
25-29	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	110.4	108.0
30-34	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	88.4	87.3
35-39	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	44.0	45.3
40-44	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	9.6	9.3
45-49**	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	0.6	0.6
<b>Sussex</b>																
General	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	80.2	77.8
10-14	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	2.8	2.4
15-19	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	73.8	61.9
20-24	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	155.2	151.9
25-29	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	108.0	102.9
30-34	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	63.7	67.3
35-39	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	36.0	37.0
40-44	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	8.0	9.3
45-49**	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	0.6	0.8

AGEFERT3

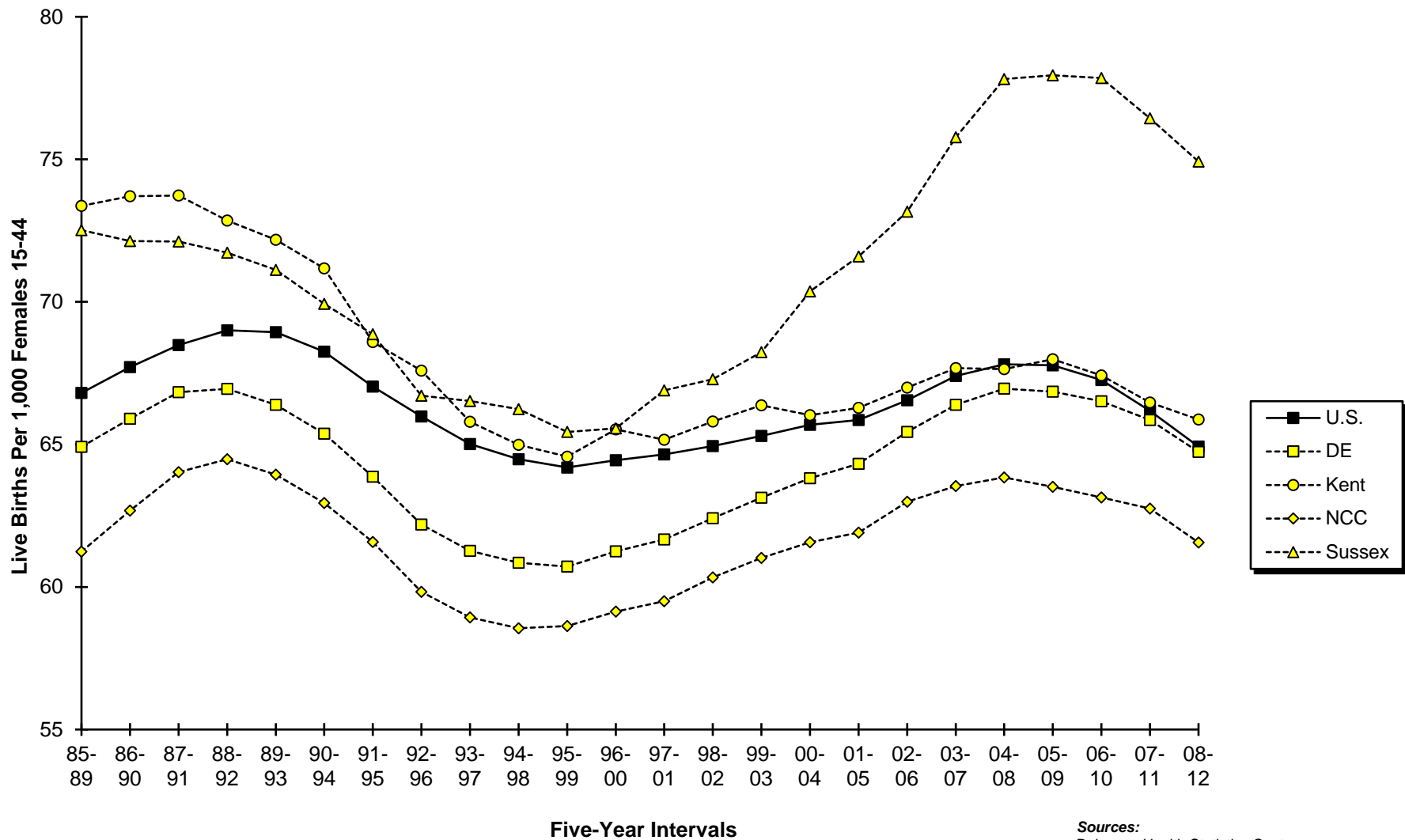
**Notes:**

- 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.
  - General fertility rates represent the total number of live births per 1,000 women 15-44 years of age.
  - 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

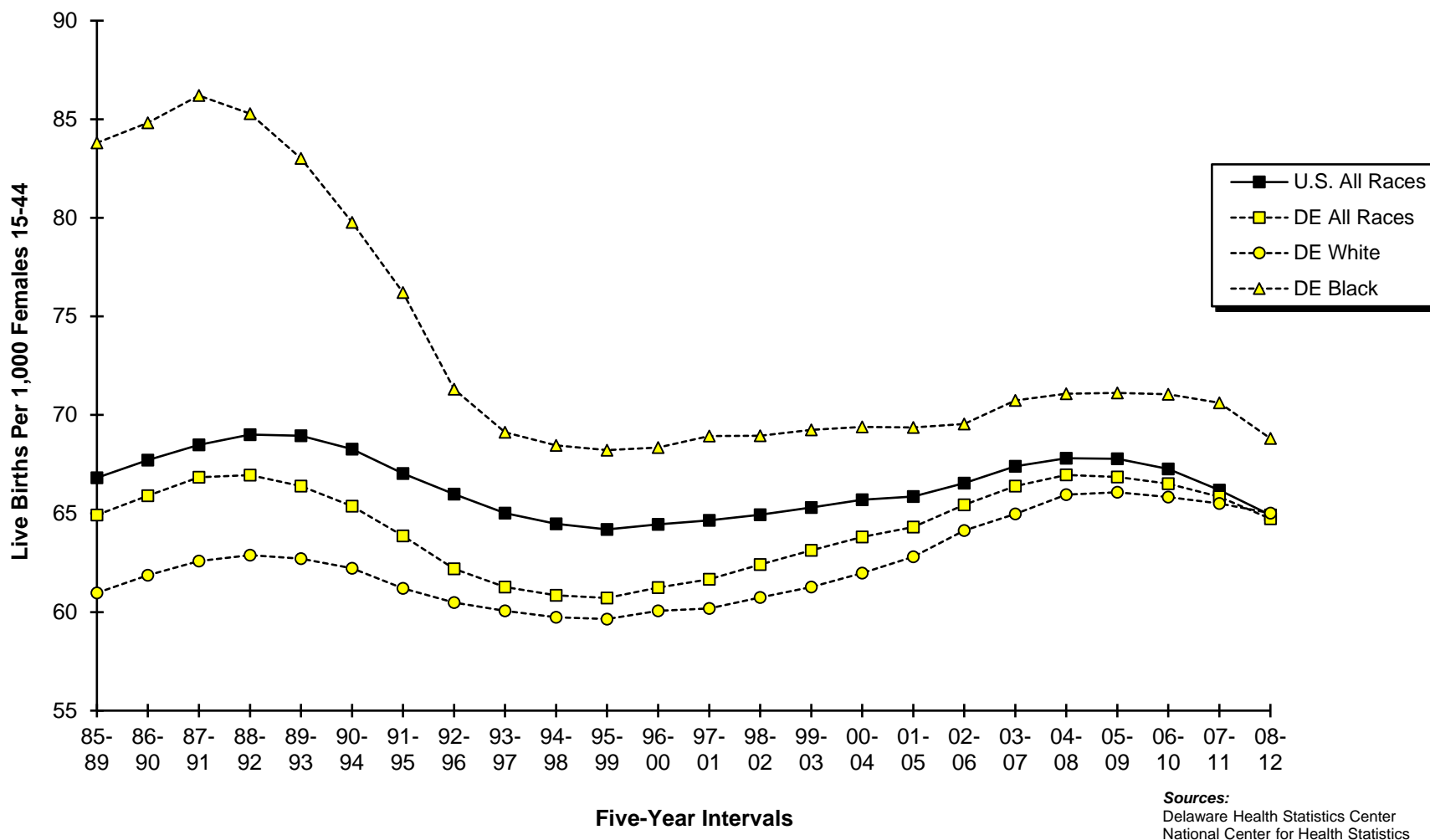
**Figure C-6**  
**Five-Year Average General Fertility Rates**  
**U.S., Delaware and Counties, 1985-2012**



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

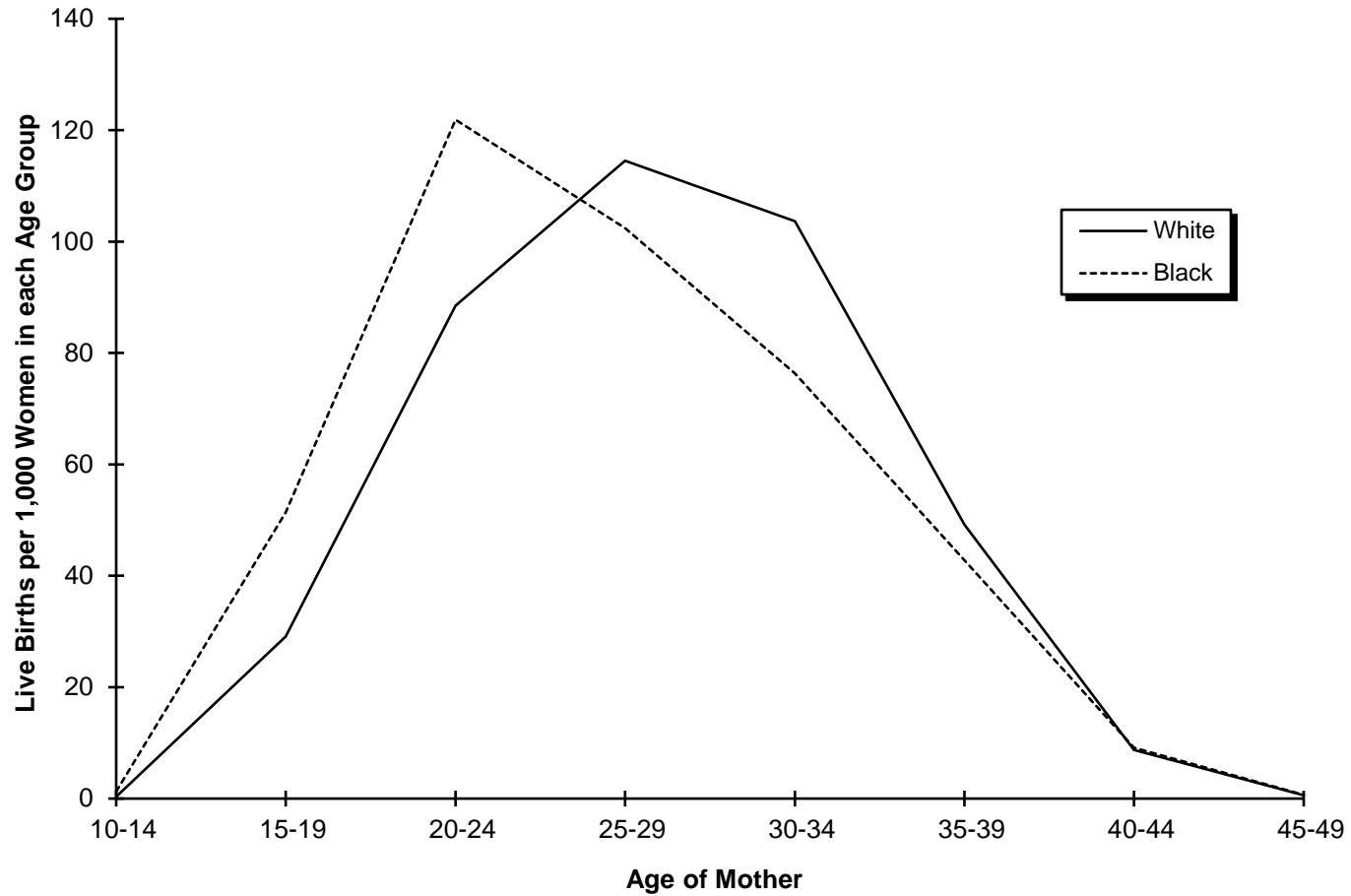
**Figure C-7**  
**Five-Year Average General Fertility Rates by Race**

**U.S. and Delaware, 1985-2012**



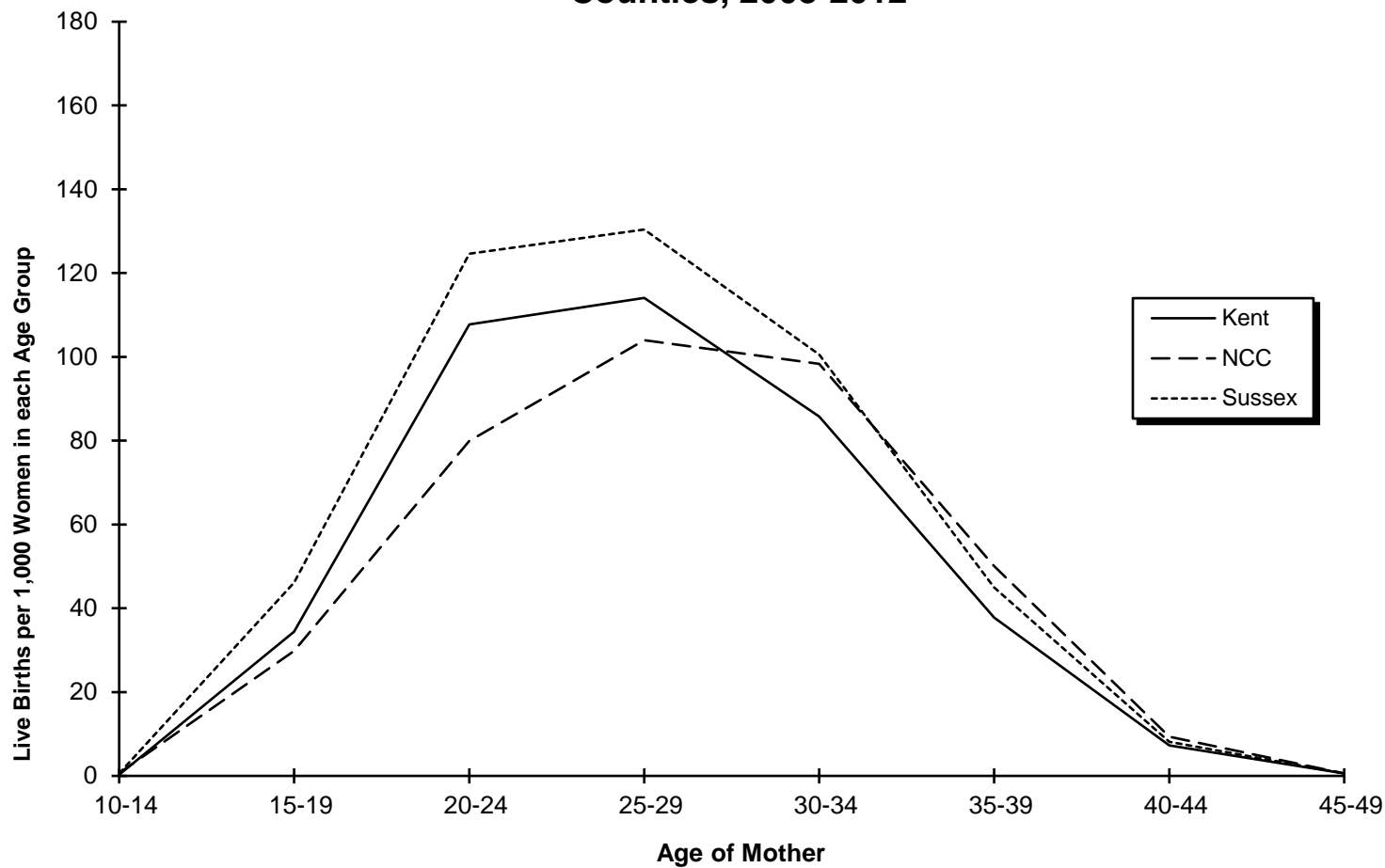


**Figure C-8**  
**Five-Year Average Age-Specific Live Birth Rates by Race**  
**Delaware, 2008-2012**



*Source:*  
 Delaware Health Statistics Center

**Figure C-9**  
**Five-Year Average Age-Specific Live Birth Rates by County**  
**Counties, 2008-2012**



*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, 2012

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>	10982	7312	2952	24	95	5	0	52	429	99	1396
<15	11	5	6	0	0	0	0	0	0	0	3
15-17	197	101	93	0	0	0	0	0	0	3	39
18-19	560	337	207	0	0	0	0	0	6	10	93
20-24	2534	1536	924	6	5	0	0	3	33	22	375
25-29	3151	2151	763	12	31	1	0	14	146	29	428
30-34	2944	2106	595	1	24	1	0	24	166	24	275
35-39	1287	869	295	3	33	1	0	11	66	7	152
40+	298	207	69	2	2	2	0	0	12	4	31
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2206	1507	610	14	6	1	0	17	31	19	178
<15	1	1	0	0	0	0	0	0	0	0	0
15-17	38	17	21	0	0	0	0	0	0	0	5
18-19	123	65	55	0	0	0	0	0	0	3	10
20-24	597	376	202	5	0	0	0	1	4	8	59
25-29	664	475	166	6	3	1	0	3	8	2	50
30-34	512	386	101	0	0	0	0	10	11	4	30
35-39	218	148	57	1	3	0	0	3	5	1	14
40+	53	39	8	2	0	0	0	0	3	1	10
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6479	3985	1930	8	86	4	0	27	378	50	726
<15	9	4	5	0	0	0	0	0	0	0	3
15-17	117	56	59	0	0	0	0	0	0	2	29
18-19	284	152	122	0	0	0	0	0	6	4	52
20-24	1294	679	571	1	4	0	0	1	28	6	187
25-29	1822	1130	497	5	28	0	0	8	133	18	227
30-34	1926	1304	419	1	24	1	0	11	149	15	137
35-39	842	537	207	1	29	1	0	7	54	4	77
40+	185	123	50	0	1	2	0	0	8	1	14
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Wilmington</b>	1005	375	600	4	5	0	0	2	6	11	118
<15	4	2	2	0	0	0	0	0	0	0	2
15-17	46	12	33	0	0	0	0	0	0	1	9
18-19	72	16	53	0	0	0	0	0	1	2	7
20-24	264	67	194	1	0	0	0	0	0	2	39
25-29	258	95	153	1	1	0	0	2	3	3	32
30-34	243	125	114	1	1	0	0	0	1	1	19
35-39	97	47	41	1	3	0	0	0	1	2	10
40+	21	11	10	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	5474	3610	1330	4	81	4	0	25	372	39	608
<15	5	2	3	0	0	0	0	0	0	0	1
15-17	71	44	26	0	0	0	0	0	0	1	20
18-19	212	136	69	0	0	0	0	0	5	2	45
20-24	1030	612	377	0	4	0	0	1	28	4	148
25-29	1564	1035	344	4	27	0	0	6	130	15	195
30-34	1683	1179	305	0	23	1	0	11	148	14	118
35-39	745	490	166	0	26	1	0	7	53	2	67
40+	164	112	40	0	1	2	0	0	8	1	14
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2297	1820	412	2	3	0	0	8	20	30	492
<15	1	0	1	0	0	0	0	0	0	0	0
15-17	42	28	13	0	0	0	0	0	0	1	5
18-19	153	120	30	0	0	0	0	0	0	3	31
20-24	643	481	151	0	1	0	0	1	1	8	129
25-29	665	546	100	1	0	0	0	3	5	9	151
30-34	506	416	75	0	0	0	0	3	6	5	108
35-39	227	184	31	1	1	0	0	1	7	2	61
40+	60	45	11	0	1	0	0	0	1	2	7
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.

DETRACE

Source:

Delaware Health Statistics Center

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

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2012

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>	5823	0	1	14	340	1263	1985	1242	741	237
<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	50	0	1	8	25	10	0	1	2	3
20-24	616	0	0	3	241	234	68	24	7	39
25-29	1779	0	0	1	58	826	617	147	69	61
30-34	2171	0	0	0	13	175	1134	569	206	74
35-39	981	0	0	2	3	14	147	452	310	53
40+	226	0	0	0	0	4	19	49	147	7
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	1215	0	0	4	123	337	397	180	140	34
<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	14	0	0	4	9	0	0	0	1	0
20-24	192	0	0	0	92	63	17	8	4	8
25-29	409	0	0	0	18	217	125	23	15	11
30-34	388	0	0	0	4	52	212	71	39	10
35-39	172	0	0	0	0	1	37	71	58	5
40+	40	0	0	0	0	4	6	7	23	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	3550	0	0	7	125	656	1247	867	469	179
<15	0	0	0	0	0	0	0	0	0	0
15-17	0	0	0	0	0	0	0	0	0	0
18-19	21	0	0	2	11	3	0	1	1	3
20-24	256	0	0	2	80	109	29	10	3	23
25-29	1035	0	0	1	27	450	376	102	37	42
30-34	1440	0	0	0	6	86	753	404	128	63
35-39	654	0	0	2	1	8	80	318	201	44
40+	144	0	0	0	0	0	9	32	99	4
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Wilmington</b>	305	0	0	2	15	48	97	79	49	15
<15	0	0	0	0	0	0	0	0	0	0
15-17	0	0	0	0	0	0	0	0	0	0
18-19	3	0	0	0	2	1	0	0	0	0
20-24	26	0	0	0	12	10	1	0	0	3
25-29	78	0	0	1	1	27	27	11	9	2
30-34	125	0	0	0	0	9	63	35	14	4
35-39	59	0	0	1	0	1	6	27	19	5
40+	14	0	0	0	0	0	0	6	7	1
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	3245	0	0	5	110	608	1150	788	420	164
<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	18	0	0	2	9	2	0	1	1	3
20-24	230	0	0	2	68	99	28	10	3	20
25-29	957	0	0	0	26	423	349	91	28	40
30-34	1315	0	0	0	6	77	690	369	114	59
35-39	595	0	0	1	1	7	74	291	182	39
40+	130	0	0	0	0	0	9	26	92	3
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	1058	0	1	3	92	270	341	195	132	24
<15	0	0	0	0	0	0	0	0	0	0
15-17	0	0	0	0	0	0	0	0	0	0
18-19	15	0	1	2	5	7	0	0	0	0
20-24	168	0	0	1	69	62	22	6	0	8
25-29	335	0	0	0	13	159	116	22	17	8
30-34	343	0	0	0	3	37	169	94	39	1
35-39	155	0	0	0	2	5	30	63	51	4
40+	42	0	0	0	0	0	4	10	25	3
Unknown	0	0	0	0	0	0	0	0	0	0

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

NLBAMAF

TABLE C-11  
NUMBER OF LIVE BIRTHS BY EDUCATION AND AGE OF MOTHER  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2012

Area/ Education	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10982	11	197	560	2534	3151	2944	1287	298	0
<9	610	10	10	19	140	182	154	78	17	0
9 to 11	1456	1	170	237	469	335	160	70	14	0
H.S. Graduate	2759	0	15	230	964	800	484	207	59	0
1 to 3 College	2973	0	1	74	810	927	772	313	76	0
4+ College	3124	0	0	0	132	888	1362	611	131	0
Unknown	60	0	1	0	19	19	12	8	1	0
<b>Kent</b>	2206	1	38	123	597	664	512	218	53	0
<9	94	1	2	3	26	26	21	12	3	0
9 to 11	312	0	35	55	113	73	24	7	5	0
H.S. Graduate	514	0	1	45	187	152	92	29	8	0
1 to 3 College	754	0	0	20	234	248	167	67	18	0
4+ College	517	0	0	0	30	163	204	101	19	0
Unknown	15	0	0	0	7	2	4	2	0	0
<b>New Castle</b>	6479	9	117	284	1294	1822	1926	842	185	0
<9	229	8	7	7	39	65	60	35	8	0
9 to 11	744	1	97	119	223	173	90	37	4	0
H.S. Graduate	1621	0	11	125	544	462	304	135	40	0
1 to 3 College	1610	0	1	33	392	497	460	188	39	0
4+ College	2238	0	0	0	85	612	1004	443	94	0
Unknown	37	0	1	0	11	13	8	4	0	0
Wilmington	1005	4	46	72	264	258	243	97	21	0
<9	37	4	5	2	8	7	8	3	0	0
9 to 11	212	0	37	33	62	48	25	7	0	0
H.S. Graduate	352	0	3	32	136	101	51	24	5	0
1 to 3 College	195	0	0	5	54	50	60	21	5	0
4+ College	198	0	0	0	3	48	97	39	11	0
Unknown	11	0	1	0	1	4	2	3	0	0
Balance of NC County	5474	5	71	212	1030	1564	1683	745	164	0
<9	192	4	2	5	31	58	52	32	8	0
9 to 11	532	1	60	86	161	125	65	30	4	0
H.S. Graduate	1269	0	8	93	408	361	253	111	35	0
1 to 3 College	1415	0	1	28	338	447	400	167	34	0
4+ College	2040	0	0	0	82	564	907	404	83	0
Unknown	26	0	0	0	10	9	6	1	0	0
<b>Sussex</b>	2297	1	42	153	643	665	506	227	60	0
<9	287	1	1	9	75	91	73	31	6	0
9 to 11	400	0	38	63	133	89	46	26	5	0
H.S. Graduate	624	0	3	60	233	186	88	43	11	0
1 to 3 College	609	0	0	21	184	182	145	58	19	0
4+ College	369	0	0	0	17	113	154	67	18	0
Unknown	8	0	0	0	1	4	0	2	1	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, 2012

Area/ Education	Race								Hispanic Origin*	
	All Races		White		Black		Other			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	10982	100.0	7312	100.0	2952	100.0	704	100.0	1396	100.0
<9	610	5.6	552	7.5	35	1.2	23	3.3	430	30.8
9 to 11	1456	13.3	876	12.0	528	17.9	52	7.4	335	24.0
H.S. Grad.	2759	25.1	1614	22.1	1040	35.2	101	14.3	311	22.3
1 to 3 College	2973	27.1	1992	27.2	875	29.6	105	14.9	216	15.5
4+ College	3124	28.4	2255	30.8	450	15.2	419	59.5	90	6.4
Unknown	60	0.5	23	0.3	24	0.8	4	0.6	14	1.0
<b>Kent</b>	2206	100.0	1507	100.0	610	100.0	88	100.0	178	100.0
<9	94	4.3	85	5.6	6	1.0	3	3.4	20	11.2
9 to 11	312	14.1	188	12.5	117	19.2	7	8.0	32	18.0
H.S. Grad.	514	23.3	325	21.6	174	28.5	15	17.0	42	23.6
1 to 3 College	754	34.2	505	33.5	220	36.1	29	33.0	54	30.3
4+ College	517	23.4	397	26.3	86	14.1	34	38.6	28	15.7
Unknown	15	0.7	7	0.5	7	1.1	0	0.0	2	1.1
<b>New Castle</b>	6479	100.0	3985	100.0	1930	100.0	553	100.0	726	100.0
<9	229	3.5	202	5.1	14	0.7	13	2.4	156	21.5
9 to 11	744	11.5	412	10.3	301	15.6	31	5.6	201	27.7
H.S. Grad.	1621	25.0	858	21.5	689	35.7	71	12.8	194	26.7
1 to 3 College	1610	24.8	978	24.5	563	29.2	68	12.3	117	16.1
4+ College	2238	34.5	1521	38.2	350	18.1	367	66.4	46	6.3
Unknown	37	0.6	14	0.4	13	0.7	3	0.5	12	1.7
Wilmington	1005	100.0	375	100.0	600	100.0	28	100.0	118	100.0
<9	37	3.7	30	8.0	7	1.2	0	0.0	23	19.5
9 to 11	212	21.1	61	16.3	147	24.5	4	14.3	41	34.7
H.S. Grad.	352	35.0	78	20.8	263	43.8	11	39.3	35	29.7
1 to 3 College	195	19.4	57	15.2	134	22.3	4	14.3	15	12.7
4+ College	198	19.7	148	39.5	42	7.0	8	28.6	4	3.4
Unknown	11	1.1	1	0.3	7	1.2	1	3.6	0	0.0
Balance of NC County	5474	100.0	3610	100.0	1330	100.0	525	100.0	608	100.0
<9	192	3.5	172	4.8	7	0.5	13	2.5	133	21.9
9 to 11	532	9.7	351	9.7	154	11.6	27	5.1	160	26.3
H.S. Grad.	1269	23.2	780	21.6	426	32.0	60	11.4	159	26.2
1 to 3 College	1415	25.8	921	25.5	429	32.3	64	12.2	102	16.8
4+ College	2040	37.3	1373	38.0	308	23.2	359	68.4	42	6.9
Unknown	26	0.5	13	0.4	6	0.5	2	0.4	12	2.0
<b>Sussex</b>	2297	100.0	1820	100.0	412	100.0	63	100.0	492	100.0
<9	287	12.5	265	14.6	15	3.6	7	11.1	254	51.6
9 to 11	400	17.4	276	15.2	110	26.7	14	22.2	102	20.7
H.S. Grad.	624	27.2	431	23.7	177	43.0	15	23.8	75	15.2
1 to 3 College	609	26.5	509	28.0	92	22.3	8	12.7	45	9.1
4+ College	369	16.1	337	18.5	14	3.4	18	28.6	16	3.3
Unknown	8	0.3	2	0.1	4	1.0	1	1.6	0	0.0

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, 1993-2012

(ALL RACES)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	40.6	40.8
<20	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	87.2	87.9
20-24	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	61.8	62.9
25-29	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	33.5	34.1
30+	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	20.1	20.7
<b>Delaware</b>	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	47.6	47.7
<20	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	93.7	93.9
20-24	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	73.9	74.5
25-29	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	41.9	42.7
30+	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	22.9	24.0
<b>Kent</b>	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	45.0	45.1
<20	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	90.0	90.3
20-24	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	63.0	64.2
25-29	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	35.5	36.9
30+	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	22.5	22.9
<b>New Castle</b>	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	45.4	45.7
<20	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	95.3	95.4
20-24	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	78.1	78.5
25-29	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	41.8	42.6
30+	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	21.2	22.3
Wilmington	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	70.6	70.1
<20	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	97.9	97.7
20-24	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	90.7	90.5
25-29	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	66.7	67.9
30+	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	40.1	40.9
Balance of NC County	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	40.3	40.8
<20	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	94.1	94.4
20-24	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	74.3	75.1
25-29	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	37.2	38.0
30+	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	18.5	19.7
<b>Sussex</b>	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	56.6	56.1
<20	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	93.3	93.2
20-24	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	75.6	75.9
25-29	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	48.7	48.8
30+	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	30.6	31.7

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, 1993-2012

(WHITE)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	35.6	35.9
<20	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	83.7	84.5
20-24	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	55.6	56.6
25-29	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	28.7	29.2
30+	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	17.5	18.0
<b>Delaware</b>	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	40.1	40.5
<20	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	90.8	91.2
20-24	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	66.8	67.5
25-29	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	35.5	36.1
30+	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	18.4	19.8
<b>Kent</b>	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	35.7	35.7
<20	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	85.4	85.8
20-24	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	52.7	54.5
25-29	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	27.1	27.4
30+	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	17.5	18.0
<b>New Castle</b>	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	37.2	37.8
<20	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	92.6	93.1
20-24	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	72.0	72.4
25-29	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	35.3	36.1
30+	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	15.8	17.3
Wilmington	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	48.6	48.1
<20	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	94.8	93.4
20-24	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	81.7	80.0
25-29	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	49.0	50.4
30+	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	20.5	21.8
Balance of NC County	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	35.9	36.6
<20	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	92.2	93.0
20-24	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	70.7	71.4
25-29	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	33.8	34.6
30+	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	15.3	16.9
<b>Sussex</b>	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	50.7	50.8
<20	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	91.3	91.4
20-24	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	70.0	70.8
25-29	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	43.6	43.8
30+	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	28.2	29.4

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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, 1993-2012

(BLACK)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	71.8	71.9
<20	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	97.2	97.3
20-24	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	86.0	86.6
25-29	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	65.6	66.1
30+	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	46.2	46.8
<b>Delaware</b>	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	72.1	72.1
<20	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	98.0	97.8
20-24	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	88.9	89.2
25-29	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	67.6	69.3
30+	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	43.7	44.1
<b>Kent</b>	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	68.3	69.4
<20	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	96.0	95.9
20-24	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	82.9	83.5
25-29	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	60.6	64.8
30+	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	39.6	41.0
<b>New Castle</b>	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	71.4	71.2
<20	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	98.6	98.4
20-24	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	90.3	90.6
25-29	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	68.3	69.1
30+	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	44.2	44.3
<b>Wilmington</b>	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	84.9	84.7
<20	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	98.8	98.9
20-24	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	94.5	94.8
25-29	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	80.3	81.5
30+	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	63.4	63.3
<b>Balance of NC County</b>	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	64.1	64.3
<20	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	98.4	98.0
20-24	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	87.5	88.1
25-29	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	62.3	63.1
30+	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	37.7	37.9
<b>Sussex</b>	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	80.5	80.2
<20	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	98.1	97.7
20-24	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	91.2	91.4
25-29	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	74.9	77.3
30+	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	47.2	48.5

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

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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, 1993-2012  
 (HISPANIC ORIGIN\*)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	52.7	53.2
<20	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	85.1	86.0
20-24	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	63.9	65.0
25-29	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	46.1	46.9
30+	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	34.9	35.6
<b>Delaware</b>	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	64.8	64.6
<20	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	89.4	89.5
20-24	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	75.2	75.1
25-29	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	60.2	60.4
30+	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	46.0	47.5
<b>Kent</b>	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	56.5	54.8
<20	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	81.3	79.4
20-24	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	66.9	67.3
25-29	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	46.3	45.5
30+	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	40.0	37.2
<b>New Castle</b>	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	61.4	62.7
<20	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	90.7	91.4
20-24	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	74.2	75.2
25-29	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	55.1	56.8
30+	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	40.5	43.0
Wilmington	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	70.8	72.0
<20	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	95.1	93.8
20-24	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	83.2	82.2
25-29	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	62.0	64.5
30+	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	43.6	49.7
Balance of NC County	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	59.0	60.4
<20	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	89.2	90.6
20-24	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	71.4	73.2
25-29	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	53.4	54.9
30+	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	39.9	41.9
<b>Sussex</b>	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	72.8	70.7
<20	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	89.9	89.4
20-24	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	79.4	77.7
25-29	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	72.2	70.4
30+	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	57.6	57.4

**Notes:**

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

**Sources:**

National Center for Health Statistics  
 Delaware Health Statistics Center

SGLUSDE4

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

**Delaware, 1989-2012**

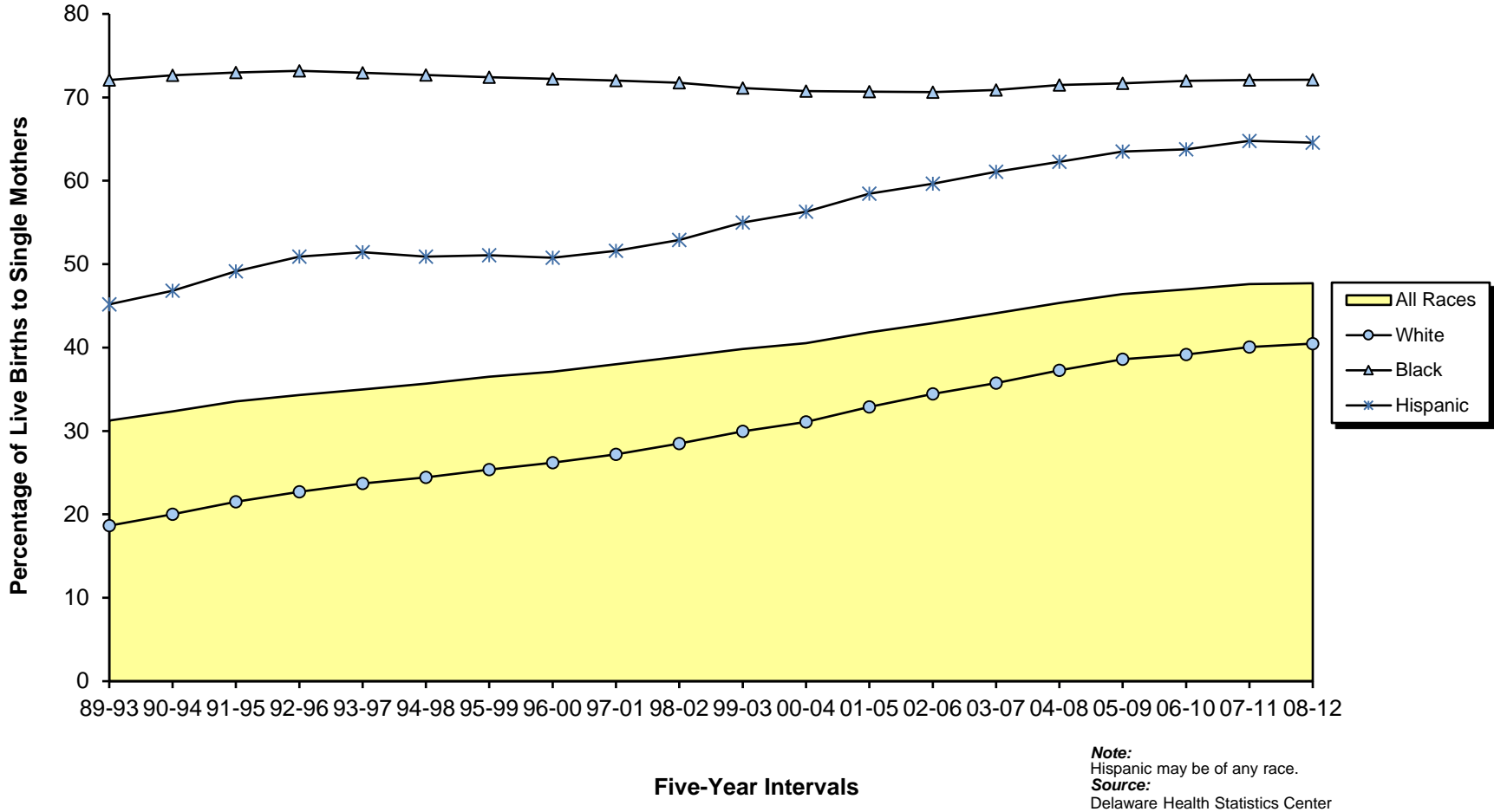


TABLE C-17  
NUMBER OF LIVE BIRTHS BY AGE, MARITAL STATUS, RACE AND HISPANIC ORIGIN OF MOTHER

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2012

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>	10982	7312	2952	704	1396	5823	4387	837	591	530	5159	2925	2115	113	866
<15	11	5	6	0	3	0	0	0	0	0	11	5	6	0	3
15-17	197	101	93	3	39	0	0	0	0	0	197	101	93	3	39
18-19	560	337	207	16	93	50	37	9	4	14	510	300	198	12	79
20-24	2534	1536	924	69	375	616	483	91	39	93	1918	1053	833	30	282
25-29	3151	2151	763	233	428	1779	1387	194	197	181	1372	764	569	36	247
30-34	2944	2106	595	240	275	2171	1639	305	224	145	773	467	290	16	130
35-39	1287	869	295	121	152	981	677	193	110	76	306	192	102	11	76
40+	298	207	69	22	31	226	164	45	17	21	72	43	24	5	10
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2206	1507	610	88	178	1215	984	166	64	92	991	523	444	24	86
<15	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
15-17	38	17	21	0	5	0	0	0	0	0	38	17	21	0	5
18-19	123	65	55	3	10	14	11	3	0	3	109	54	52	3	7
20-24	597	376	202	18	59	192	159	24	8	19	405	217	178	10	40
25-29	664	475	166	23	50	409	350	43	16	29	255	125	123	7	21
30-34	512	386	101	25	30	388	313	52	23	22	124	73	49	2	8
35-39	218	148	57	13	14	172	122	39	11	10	46	26	18	2	4
40+	53	39	8	6	10	40	29	5	6	9	13	10	3	0	1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6479	3985	1930	553	726	3550	2478	576	490	266	2929	1507	1354	63	460
<15	9	4	5	0	3	0	0	0	0	0	9	4	5	0	3
15-17	117	56	59	2	29	0	0	0	0	0	117	56	59	2	29
18-19	284	152	122	10	52	21	12	5	4	6	263	140	117	6	46
20-24	1294	679	571	40	187	256	179	48	27	39	1038	500	523	13	148
25-29	1822	1130	497	192	227	1035	728	135	171	99	787	402	362	21	128
30-34	1926	1304	419	201	137	1440	1032	217	189	73	486	272	202	12	64
35-39	842	537	207	96	77	654	428	136	89	40	188	109	71	7	37
40+	185	123	50	12	14	144	99	35	10	9	41	24	15	2	5
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilmington	1005	375	600	28	118	305	203	88	13	31	700	172	512	15	87
<15	4	2	2	0	2	0	0	0	0	0	4	2	2	0	2
15-17	46	12	33	1	9	0	0	0	0	0	46	12	33	1	9
18-19	72	16	53	3	7	3	3	0	0	2	69	13	53	3	5
20-24	264	67	194	3	39	26	17	9	0	10	238	50	185	3	29
25-29	258	95	153	10	32	78	50	22	6	11	180	45	131	4	21
30-34	243	125	114	4	19	125	93	30	2	7	118	32	84	2	12
35-39	97	47	41	7	10	59	32	21	5	1	38	15	20	2	9
40+	21	11	10	0	0	14	8	6	0	0	7	3	4	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Balance of NC County	5474	3610	1330	525	608	3245	2275	488	477	235	2229	1335	842	48	373
<15	5	2	3	0	1	0	0	0	0	0	5	2	3	0	1
15-17	71	44	26	1	20	0	0	0	0	0	71	44	26	1	20
18-19	212	136	69	7	45	18	9	5	4	4	194	127	64	3	41
20-24	1030	612	377	37	148	230	162	39	27	29	800	450	338	10	119
25-29	1564	1035	344	182	195	957	678	113	165	88	607	357	231	17	107
30-34	1683	1179	305	197	118	1315	939	187	187	66	368	240	118	10	52
35-39	745	490	166	89	67	595	396	115	84	39	150	94	51	5	28
40+	164	112	40	12	14	130	91	29	10	9	34	21	11	2	5
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2297	1820	412	63	492	1058	925	95	37	172	1239	895	317	26	320
<15	1	0	1	0	0	0	0	0	0	0	1	0	1	0	0
15-17	42	28	13	1	5	0	0	0	0	0	42	28	13	1	5
18-19	153	120	30	3	31	15	14	1	0	5	138	106	29	3	26
20-24	643	481	151	11	129	168	145	19	4	35	475	336	132	7	94
25-29	665	546	100	18	151	335	309	16	10	53	330	237	84	8	98
30-34	506	416	75	14	108	343	294	36	12	50	163	122	39	2	58
35-39	227	184	31	12	61	155	127	18	10	26	72	57	13	2	35
40+	60	45	11	4	7	42	36	5	1	3	18	9	6	3	4
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, 2012

Area/ Birth Order	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10982	11	197	560	2534	3151	2944	1287	298	0
First	4312	11	181	436	1281	1197	859	279	68	0
Second	3609	0	15	104	831	1048	1065	464	82	0
Third	1812	0	1	18	305	550	582	301	55	0
Fourth+	1238	0	0	2	114	354	437	239	92	0
Unknown	11	0	0	0	3	2	1	4	1	0
<b>Kent</b>	2206	1	38	123	597	664	512	218	53	0
First	874	1	38	97	331	234	121	43	9	0
Second	674	0	0	25	174	219	178	66	12	0
Third	346	0	0	1	66	118	105	49	7	0
Fourth+	310	0	0	0	25	92	108	60	25	0
Unknown	2	0	0	0	1	1	0	0	0	0
<b>New Castle</b>	6479	9	117	284	1294	1822	1926	842	185	0
First	2607	9	104	216	650	757	631	194	46	0
Second	2206	0	12	55	440	606	706	329	58	0
Third	1019	0	1	11	151	280	351	191	34	0
Fourth+	639	0	0	2	51	178	237	125	46	0
Unknown	8	0	0	0	2	1	1	3	1	0
Wilmington	1005	4	46	72	264	258	243	97	21	0
First	380	4	43	51	111	69	80	17	5	0
Second	294	0	3	16	89	81	60	41	4	0
Third	172	0	0	4	46	54	46	18	4	0
Fourth+	158	0	0	1	18	54	57	20	8	0
Unknown	1	0	0	0	0	0	0	1	0	0
Balance of NC County	5474	5	71	212	1030	1564	1683	745	164	0
First	2227	5	61	165	539	688	551	177	41	0
Second	1912	0	9	39	351	525	646	288	54	0
Third	847	0	1	7	105	226	305	173	30	0
Fourth+	481	0	0	1	33	124	180	105	38	0
Unknown	7	0	0	0	2	1	1	2	1	0
<b>Sussex</b>	2297	1	42	153	643	665	506	227	60	0
First	831	1	39	123	300	206	107	42	13	0
Second	729	0	3	24	217	223	181	69	12	0
Third	447	0	0	6	88	152	126	61	14	0
Fourth+	289	0	0	0	38	84	92	54	21	0
Unknown	1	0	0	0	0	0	0	1	0	0

LBBOAGE1

**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, 2012

Area/ Birth Order	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10982	100.0	7312	100.0	2952	100.0	704	100.0	1396	100.0
First	4312	39.3	2924	40.0	1058	35.8	324	46.0	388	27.8
Second	3609	32.9	2436	33.3	901	30.5	270	38.4	433	31.0
Third	1812	16.5	1240	17.0	499	16.9	72	10.2	322	23.1
Fourth+	1238	11.3	708	9.7	493	16.7	36	5.1	250	17.9
Unknown	11	0.1	4	0.1	1	0.0	2	0.3	3	0.2
<b>Kent</b>	2206	100.0	1507	100.0	610	100.0	88	100.0	178	100.0
First	874	39.6	625	41.5	207	33.9	41	46.6	72	40.4
Second	674	30.6	459	30.5	190	31.1	25	28.4	44	24.7
Third	346	15.7	233	15.5	100	16.4	13	14.8	35	19.7
Fourth+	310	14.1	189	12.5	112	18.4	9	10.2	27	15.2
Unknown	2	0.1	1	0.1	1	0.2	0	0.0	0	0.0
<b>New Castle</b>	6479	100.0	3985	100.0	1930	100.0	553	100.0	726	100.0
First	2607	40.2	1633	41.0	707	36.6	263	47.6	213	29.3
Second	2206	34.0	1382	34.7	598	31.0	224	40.5	239	32.9
Third	1019	15.7	641	16.1	331	17.2	46	8.3	153	21.1
Fourth+	639	9.9	326	8.2	294	15.2	19	3.4	118	16.3
Unknown	8	0.1	3	0.1	0	0.0	1	0.2	3	0.4
Wilmington	1005	100.0	375	100.0	600	100.0	28	100.0	118	100.0
First	380	37.8	163	43.5	202	33.7	14	50.0	33	28.0
Second	294	29.3	119	31.7	166	27.7	9	32.1	36	30.5
Third	172	17.1	53	14.1	114	19.0	5	17.9	23	19.5
Fourth+	158	15.7	40	10.7	118	19.7	0	0.0	26	22.0
Unknown	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0
Balance of NC County	5474	100.0	3610	100.0	1330	100.0	525	100.0	608	100.0
First	2227	40.7	1470	40.7	505	38.0	249	47.4	180	29.6
Second	1912	34.9	1263	35.0	432	32.5	215	41.0	203	33.4
Third	847	15.5	588	16.3	217	16.3	41	7.8	130	21.4
Fourth+	481	8.8	286	7.9	176	13.2	19	3.6	92	15.1
Unknown	7	0.1	3	0.1	0	0.0	1	0.2	3	0.5
<b>Sussex</b>	2297	100.0	1820	100.0	412	100.0	63	100.0	492	100.0
First	831	36.2	666	36.6	144	35.0	20	31.7	103	20.9
Second	729	31.7	595	32.7	113	27.4	21	33.3	150	30.5
Third	447	19.5	366	20.1	68	16.5	13	20.6	134	27.2
Fourth+	289	12.6	193	10.6	87	21.1	8	12.7	105	21.3
Unknown	1	0.0	0	0.0	0	0.0	1	1.6	0	0.0

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, 2012

Area/ Plurality	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10982	11	197	560	2534	3151	2944	1287	298	0
Single	10643	11	197	550	2458	3060	2847	1236	284	0
Plural	339	0	0	10	76	91	97	51	14	0
<b>Kent</b>	2206	1	38	123	597	664	512	218	53	0
Single	2134	1	38	123	584	640	490	211	47	0
Plural	72	0	0	0	13	24	22	7	6	0
<b>New Castle</b>	6479	9	117	284	1294	1822	1926	842	185	0
Single	6264	9	117	276	1244	1776	1859	806	177	0
Plural	215	0	0	8	50	46	67	36	8	0
Wilmington	1005	4	46	72	264	258	243	97	21	0
Single	965	4	46	72	246	250	231	97	19	0
Plural	40	0	0	0	18	8	12	0	2	0
Balance of NC County	5474	5	71	212	1030	1564	1683	745	164	0
Single	5299	5	71	204	998	1526	1628	709	158	0
Plural	175	0	0	8	32	38	55	36	6	0
<b>Sussex</b>	2297	1	42	153	643	665	506	227	60	0
Single	2245	1	42	151	630	644	498	219	60	0
Plural	52	0	0	2	13	21	8	8	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, 2012

Area/ Plurality	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10982	100.0	7312	100.0	2952	100.0	704	100.0	1396	100.0
Single	10643	96.9	7093	97.0	2848	96.5	688	97.7	1367	97.9
Plural	339	3.1	219	3.0	104	3.5	16	2.3	29	2.1
<b>Kent</b>	2206	100.0	1507	100.0	610	100.0	88	100.0	178	100.0
Single	2134	96.7	1460	96.9	589	96.6	84	95.5	172	96.6
Plural	72	3.3	47	3.1	21	3.4	4	4.5	6	3.4
<b>New Castle</b>	6479	100.0	3985	100.0	1930	100.0	553	100.0	726	100.0
Single	6264	96.7	3854	96.7	1858	96.3	541	97.8	707	97.4
Plural	215	3.3	131	3.3	72	3.7	12	2.2	19	2.6
Wilmington	1005	100.0	375	100.0	600	100.0	28	100.0	118	100.0
Single	965	96.0	363	96.8	572	95.3	28	100.0	113	95.8
Plural	40	4.0	12	3.2	28	4.7	0	0.0	5	4.2
Balance of NC County	5474	100.0	3610	100.0	1330	100.0	525	100.0	608	100.0
Single	5299	96.8	3491	96.7	1286	96.7	513	97.7	594	97.7
Plural	175	3.2	119	3.3	44	3.3	12	2.3	14	2.3
<b>Sussex</b>	2297	100.0	1820	100.0	412	100.0	63	100.0	492	100.0
Single	2245	97.7	1779	97.7	401	97.3	63	100.0	488	99.2
Plural	52	2.3	41	2.3	11	2.7	0	0.0	4	0.8

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, 2012

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	895	8.1	914	8.0	19	2.0
Kent General	1864	17.0	1895	16.6	31	3.2
Christiana Care	5581	50.8	6340	55.7	759	78.7
Milford Memorial	366	3.3	372	3.3	6	0.6
Nanticoke Memorial	830	7.6	860	7.6	30	3.1
St. Francis	672	6.1	728	6.4	56	5.8
Total	10208	93.0	11109	97.6	901	93.5
BIRTHING CENTER	121	1.1	180	1.6	59	6.1
HOME BIRTH	82	0.7	85	0.7	3	0.3
ENROUTE/OTHER	7	0.1	7	0.1	0	0.0
UNKNOWN	0	0.0	1	0.0	1	0.1
TOTAL	10418	94.9	11382	100.0	964	100.0
<b>OUT-OF-STATE</b>						
HOSPITAL						
Crozier Med. Center, PA	127	1.2	N/A		N/A	
Peninsula General, MD	122	1.1	N/A		N/A	
Riddle Memorial, PA	40	0.4	N/A		N/A	
Other Hospitals	266	2.4	N/A		N/A	
Total	555	5.1	N/A		N/A	
BIRTHING CENTER	9	0.1	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	5.1	N/A		N/A	
<b>TOTAL</b>	10982	100.0	11382	100.0	964	100.0

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, 1993-2012

(ALL RACES)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	8.2	8.1
<20	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	9.7	9.6
20-24	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	8.3	8.3
25-29	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	7.4	7.3
30+	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	8.3	8.2
<b>Delaware</b>	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	8.8	8.6
<20	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	10.4	10.1
20-24	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	9.0	8.7
25-29	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	8.1	8.1
30+	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	8.9	8.7	8.5
<b>Kent</b>	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	8.5	8.3
<20	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	10.4	9.8
20-24	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	8.2	7.7
25-29	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	8.0	8.2
30+	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	8.9	8.7
<b>New Castle</b>	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	9.1	8.9
<20	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	11.2	11.0	10.3
20-24	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	9.8	9.7
25-29	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	8.5	8.4
30+	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	8.7	8.5
<b>Wilmington</b>	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	12.6	12.3
<20	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	12.7	12.1
20-24	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	13.0	13.6
25-29	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	12.8	11.9
30+	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	12.0	11.5
<b>Balance of NC County</b>	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	8.4	8.2
<20	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	10.3	9.5
20-24	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	8.9	8.6
25-29	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	7.7	7.7
30+	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	8.3	8.0
<b>Sussex</b>	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	7.9	7.9
<20	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	9.0	10.0
20-24	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	8.0	7.6
25-29	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	7.1	7.1
30+	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	8.2	8.3

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, 1993-2012

(WHITE)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	N/A	N/A
<20	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	N/A	N/A
20-24	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	N/A	N/A
25-29	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	N/A	N/A
30+	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	N/A	N/A
<b>Delaware</b>	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	7.0	6.9
<20	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	7.5	7.5
20-24	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	7.2	6.8
25-29	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	6.4	6.4
30+	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	7.2	7.1
<b>Kent</b>	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	7.2	7.1
<20	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	8.0	7.3
20-24	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	6.8	6.4
25-29	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	6.6	6.8	7.1
30+	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	7.7	7.7
<b>New Castle</b>	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	7.2	7.0	6.9
<20	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	7.9	7.9	7.6
20-24	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	7.5	7.3
25-29	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	6.5	6.4
30+	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	7.0	6.8
Wilmington	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	7.6	8.2
<20	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	8.1	9.1
20-24	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	7.9	9.8
25-29	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	6.3	6.7
30+	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	8.1	8.3
Balance of NC County	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	7.1	7.0	6.7
<20	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	7.8	7.3
20-24	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	7.5	7.0
25-29	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	6.6	6.5	6.4
30+	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	6.9	6.7
<b>Sussex</b>	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	6.8	6.6
<20	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	6.7	7.6
20-24	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	7.0	6.3
25-29	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	5.7	5.8
30+	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	7.6	7.5

Note:  
 N/A indicates data not available.

Sources:  
 National Center for Health Statistics  
 Delaware Health Statistics Center

FYALBW2

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, 1993-2012

(BLACK)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	N/A	N/A
<20	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	N/A	N/A
20-24	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	N/A	N/A
25-29	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	N/A	N/A
30+	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	N/A	N/A
<b>Delaware</b>	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	13.2	12.9
<20	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	14.4	13.8
20-24	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	12.4	12.2
25-29	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	13.1	12.8
30+	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	13.8	13.2
<b>Kent</b>	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	11.8	11.7	11.2
<20	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	13.9	13.4
20-24	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	11.0	10.5
25-29	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	10.3	10.5
30+	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	13.8	12.9	11.7
<b>New Castle</b>	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	13.8	13.3
<20	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	14.4	13.1
20-24	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	13.2	13.0
25-29	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	13.2	13.7	13.4
30+	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	14.2	13.6
Wilmington	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	15.7	14.8
<20	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	13.8	12.7
20-24	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	15.1	15.1
25-29	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	17.2	15.5
30+	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	16.7	15.3
Balance of NC County	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	12.8	12.5
<20	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	15.0	13.6
20-24	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	13.1	11.9	11.7
25-29	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	10.9	11.9	12.4
30+	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	13.4	13.0
<b>Sussex</b>	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	12.9	13.2
<20	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	14.9	16.6
20-24	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	11.3	11.6
25-29	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	14.3	13.7
30+	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	12.3	13.0

**Note:**  
 N/A indicates data not available.

FYALBW3

**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, 1993-2012

(HISPANIC ORIGIN\*)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	7.0	7.0
<20	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	8.0	7.9
20-24	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	6.6	6.6
25-29	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	6.2	6.3
30+	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	7.5	7.5
<b>Delaware</b>	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	7.0	6.8
<20	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	7.0	7.0
20-24	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	6.8	5.9
25-29	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	6.1	6.1
30+	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	8.2	8.4
<b>Kent</b>	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	8.2	8.1
<20	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	6.5	7.5
20-24	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	8.3	7.8
25-29	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	9.3	8.9
30+	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	7.9	7.8
<b>New Castle</b>	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	7.9	7.7
<20	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	8.5	7.6
20-24	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	7.4	6.8
25-29	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	6.6	6.9
30+	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	9.3	9.2
<b>Wilmington</b>	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	8.8	10.2
<20	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	7.9	9.7
20-24	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	7.1	9.7
25-29	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	8.1	8.3
30+	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	12.7	14.0
<b>Balance of NC County</b>	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	7.6	7.0
<20	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	8.8	6.9
20-24	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	7.5	6.0
25-29	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	6.2	6.5
30+	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	8.6	8.4
<b>Sussex</b>	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	5.3	5.1
<20	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	4.3	5.5
20-24	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	5.5	4.0
25-29	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	4.4	4.0
30+	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	6.5	7.2

**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:**

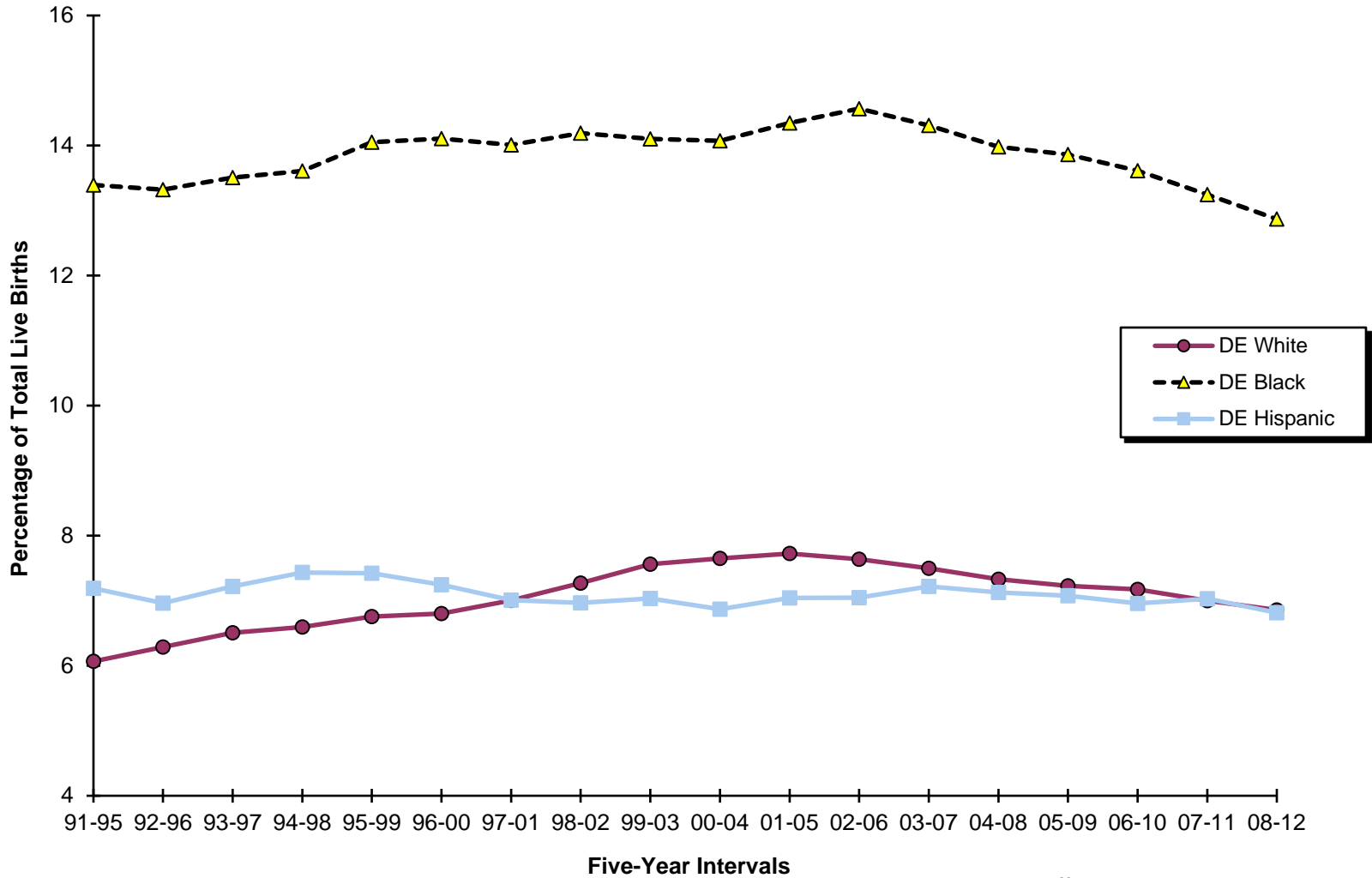
National Center for Health Statistics  
Delaware Health Statistics Center

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

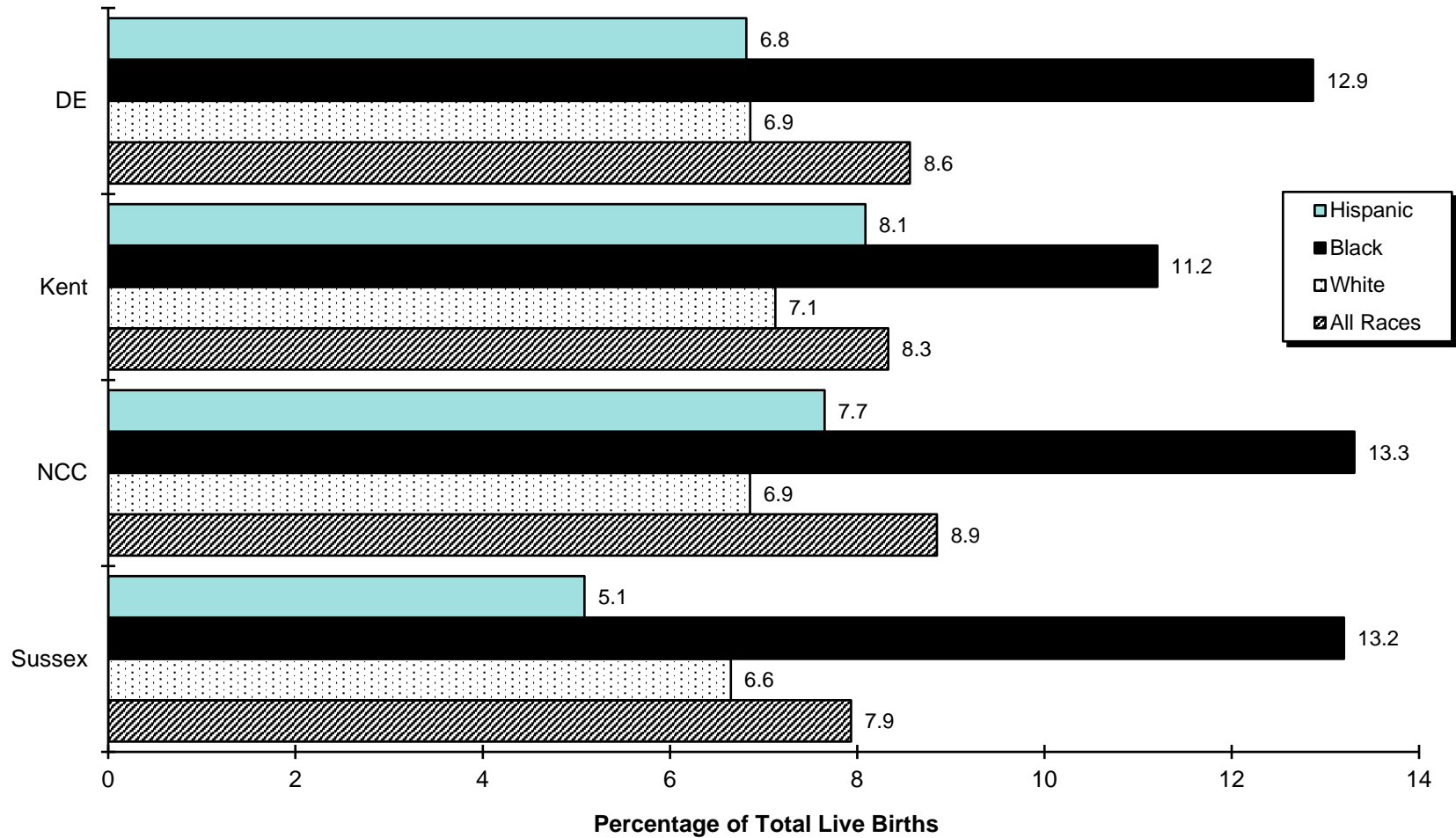
**Delaware, 1991-2012**



**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, 2008-2012**



**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, 1993-2012

(ALL RACES)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	1.5	1.4
<20	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	1.8	1.7
20-24	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	1.4
25-29	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	1.3	1.3
30+	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	1.5	1.5
<b>Delaware</b>	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	1.8	1.8
<20	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	2.3	2.3
20-24	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	1.7	1.8
25-29	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	1.6	1.7
30+	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	1.8	1.8
<b>Kent</b>	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	1.5	1.5
<20	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	2.1	1.6
20-24	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	1.3	1.4
25-29	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	1.2	1.3
30+	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	1.8	1.7
<b>New Castle</b>	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	2.0	2.0
<20	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	2.3	2.4
20-24	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	2.1	2.1
25-29	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	1.9	2.0	2.1
30+	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	1.9	1.9
Wilmington	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	2.8	2.9
<20	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	2.3	2.7
20-24	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	2.4	2.7
25-29	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	3.1	2.9
30+	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	3.1	3.1
Balance of NC County	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	1.9	1.8
<20	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	2.3	2.3
20-24	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	2.0	1.9
25-29	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	1.8	1.9
30+	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	1.7	1.7
<b>Sussex</b>	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	1.4	1.4
<20	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	2.3	2.5
20-24	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	1.4	1.5
25-29	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	1.0	0.8
30+	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	1.5	1.6

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, 1993-2012

(WHITE)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	N/A	N/A
<20	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	N/A	N/A
20-24	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	N/A	N/A
25-29	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	N/A	N/A
30+	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	N/A	N/A
<b>Delaware</b>	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	1.2	1.2
<20	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	1.4	1.5
20-24	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	1.2	1.2
25-29	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	1.1	1.1
30+	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	1.2	1.3
<b>Kent</b>	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	1.1	1.2
<20	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	1.0	0.7
20-24	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	1.0	1.2
25-29	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	1.1	1.3
30+	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	1.3	1.1
<b>New Castle</b>	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	1.3	1.3
<20	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	1.4	1.7
20-24	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	1.4	1.3	1.2
25-29	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	1.3	1.3
30+	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	1.3	1.3
Wilmington	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	1.2	1.6
<20	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	0.9	2.0
20-24	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	0.6	0.7
25-29	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	1.0	1.2
30+	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	1.7	2.3
Balance of NC County	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	1.3	1.3
<20	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	1.4	1.7
20-24	1.1	1.1	1.4	1.4	1.3	1.3	1.3	1.1	1.0	1.1	1.2	1.5	1.6	1.4	1.4	1.3
25-29	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	1.3	1.3	1.3
30+	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	1.2	1.2
<b>Sussex</b>	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	1.0	1.0
<20	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	1.6	1.7
20-24	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	1.1	1.2
25-29	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	0.7	0.4
30+	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	1.1	1.2

Note:

N/A indicates data not available.

Sources:

National Center for Health Statistics  
Delaware Health Statistics Center

FYAVLBW2

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, 1993-2012

(BLACK)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	N/A	N/A
<20	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	N/A	N/A
20-24	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	N/A	N/A
25-29	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	N/A	N/A
30+	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	N/A	N/A
<b>Delaware</b>	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	3.4	3.3
<20	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	3.5	3.3
20-24	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	2.7	2.8
25-29	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	3.3	3.3
30+	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	4.1	3.8
<b>Kent</b>	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	2.4	2.3
<20	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	3.5	2.8
20-24	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	1.9	1.9
25-29	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	1.4	1.3
30+	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	3.6	3.5
<b>New Castle</b>	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	3.7	3.6
<20	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	3.3	3.2
20-24	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	3.2	3.2
25-29	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	3.9	4.1
30+	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	4.2	3.8
Wilmington	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	3.8	3.6
<20	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	2.7	2.9
20-24	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	3.1	3.4
25-29	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	4.6	4.2
30+	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	4.8	4.0
Balance of NC County	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	3.7	3.6
<20	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	4.0	3.5
20-24	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	3.3	3.0
25-29	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	3.6	4.0
30+	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	4.0	3.8
<b>Sussex</b>	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	3.0	3.2
<20	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	3.9	4.4
20-24	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	2.2	2.6
25-29	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	2.8	2.8
30+	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	4.2	4.1

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, 1993-2012

(HISPANIC ORIGIN\*)

Area/ Age	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	2007 -2011	2008 -2012
<b>U.S.</b>	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	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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
25-29	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	1.0	1.0
30+	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	1.4	1.4
<b>Delaware</b>	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	1.3	1.3
<20	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	1.2	1.5
20-24	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	1.0	0.9
25-29	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	1.1	1.1
30+	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	1.8	1.9
<b>Kent</b>	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	1.7	1.7
<20	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	0.0	0.0
20-24	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	1.7	2.0
25-29	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	1.5	1.2
30+	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	2.8	2.6
<b>New Castle</b>	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	1.5	1.6
<20	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	1.7	2.2
20-24	1.6	1.5	1.6	1.5	1.3	1.3	1.1	1.0	1.0	1.1	1.1	1.0	1.1	0.9	0.9	0.8
25-29	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	1.6	1.7
30+	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	2.0	2.2
<b>Wilmington</b>	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	1.6	2.2
<20	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	1.2	2.8
20-24	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	1.3	1.2
25-29	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	1.2	1.7
30+	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	2.9	3.9
<b>Balance of NC County</b>	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	1.5	1.5
<20	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	1.9	2.0
20-24	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	0.8	0.7
25-29	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	1.7	1.7
30+	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	1.8	1.9
<b>Sussex</b>	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	0.7	0.7
<20	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	0.6	0.7
20-24	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	0.9	0.7
25-29	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	0.2	0.1
30+	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	1.1	1.3

FYAVLBW4

**Notes:**

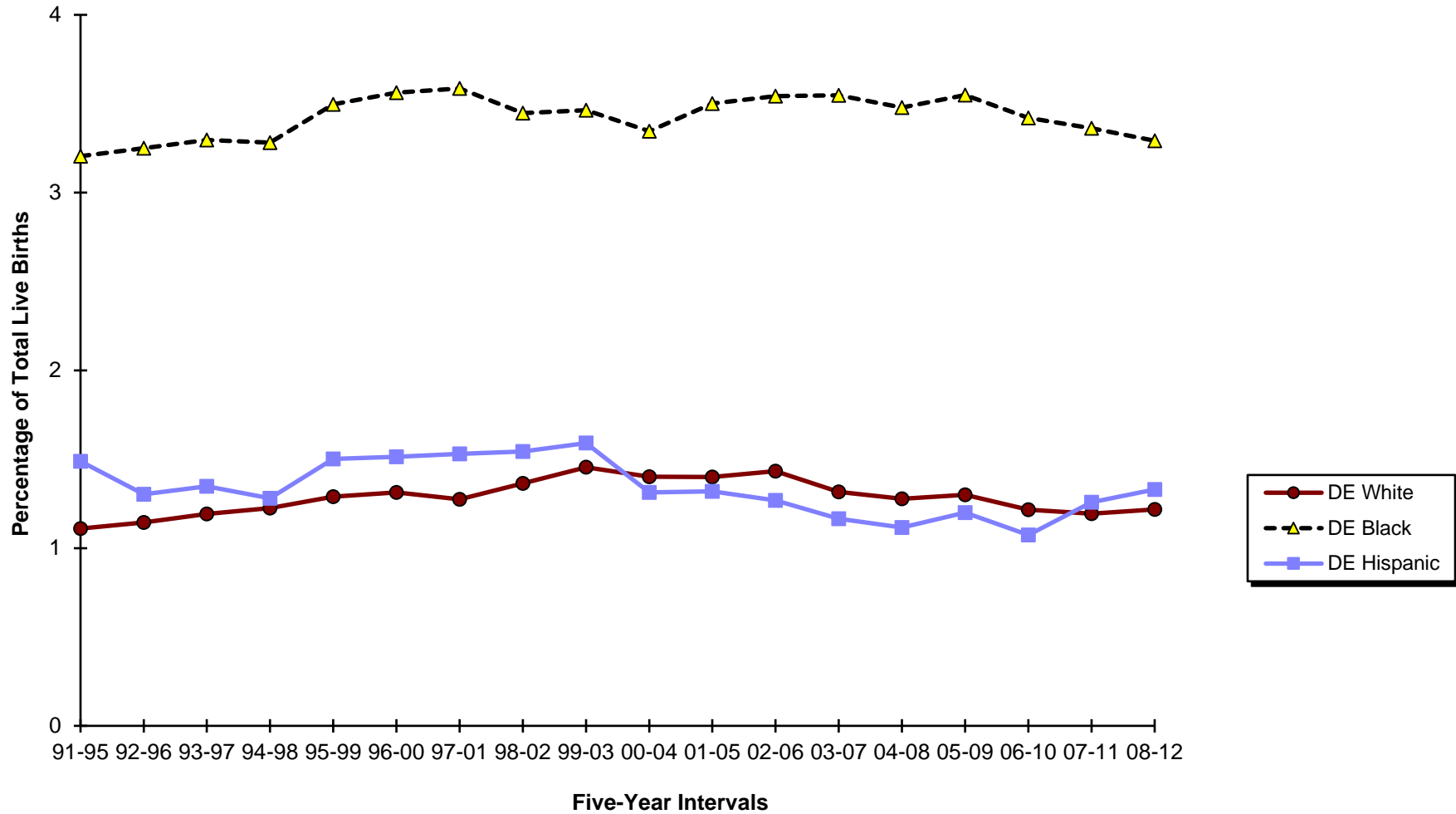
\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.  
 Percentages in this table should be interpreted with caution due to small numbers.

**Sources:**

National Center for Health Statistics  
 Delaware Health Statistics Center

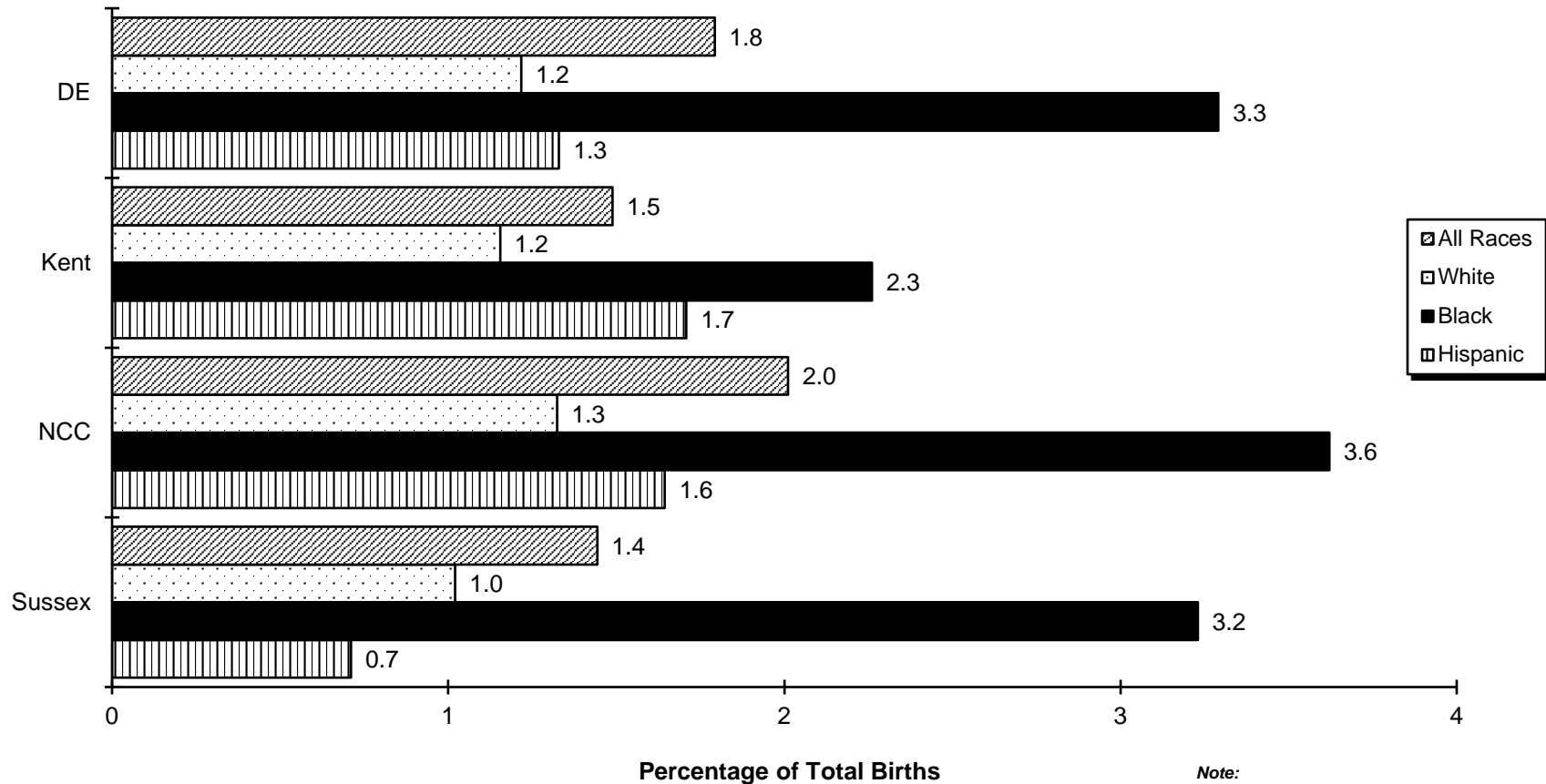
**Figure C-13**  
**Five-Year Average Percentage of Very Low Birthweight**  
**Births (<1500 Grams) by Race and Hispanic Origin\***

**Delaware, 1991-2012**



**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, 2008-2012**



**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, 2012

Area/ Birthweight	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10982	11	197	560	2534	3151	2944	1287	298	0
<2500	910	2	13	54	230	238	216	123	34	0
<1500	182	0	4	11	47	51	45	18	6	0
<500	29	0	0	2	7	8	8	4	0	0
500-749	33	0	1	3	7	12	5	5	0	0
750-999	33	0	0	1	5	9	14	2	2	0
1000-1499	87	0	3	5	28	22	18	7	4	0
1500-1999	200	2	5	7	48	64	36	29	9	0
2000-2499	528	0	4	36	135	123	135	76	19	0
2500+	10062	9	184	506	2299	2911	2728	1161	264	0
Unknown	10	0	0	0	5	2	0	3	0	0
<b>Kent</b>	2206	1	38	123	597	664	512	218	53	0
<2500	189	1	1	10	46	58	44	23	6	0
<1500	35	0	0	2	11	11	7	3	1	0
<500	6	0	0	1	1	2	2	0	0	0
500-749	6	0	0	0	1	1	2	2	0	0
750-999	6	0	0	0	1	2	2	0	1	0
1000-1499	17	0	0	1	8	6	1	1	0	0
1500-1999	38	1	1	1	9	16	5	3	2	0
2000-2499	116	0	0	7	26	31	32	17	3	0
2500+	2016	0	37	113	550	606	468	195	47	0
Unknown	1	0	0	0	1	0	0	0	0	0
<b>New Castle</b>	6479	9	117	284	1294	1822	1926	842	185	0
<2500	555	1	7	29	139	137	138	80	24	0
<1500	116	0	3	5	25	36	30	12	5	0
<500	21	0	0	1	6	6	6	2	0	0
500-749	22	0	1	1	5	9	3	3	0	0
750-999	19	0	0	0	3	5	8	2	1	0
1000-1499	54	0	2	3	11	16	13	5	4	0
1500-1999	126	1	2	3	32	34	24	23	7	0
2000-2499	313	0	2	21	82	67	84	45	12	0
2500+	5918	8	110	255	1152	1684	1788	760	161	0
Unknown	6	0	0	0	3	1	0	2	0	0
<b>Wilmington</b>	1005	4	46	72	264	258	243	97	21	0
<2500	120	1	4	8	45	26	27	6	3	0
<1500	27	0	2	2	9	6	6	2	0	0
<500	9	0	0	0	4	3	1	1	0	0
500-749	4	0	0	1	1	0	1	1	0	0
750-999	4	0	0	0	1	1	2	0	0	0
1000-1499	10	0	2	1	3	2	2	0	0	0
1500-1999	23	1	2	0	8	5	5	2	0	0
2000-2499	70	0	0	6	28	15	16	2	3	0
2500+	884	3	42	64	219	232	216	90	18	0
Unknown	1	0	0	0	0	0	0	1	0	0
<b>Balance of NC County</b>	5474	5	71	212	1030	1564	1683	745	164	0
<2500	435	0	3	21	94	111	111	74	21	0
<1500	89	0	1	3	16	30	24	10	5	0
<500	12	0	0	1	2	3	5	1	0	0
500-749	18	0	1	0	4	9	2	2	0	0
750-999	15	0	0	0	2	4	6	2	1	0
1000-1499	44	0	0	2	8	14	11	5	4	0
1500-1999	103	0	0	3	24	29	19	21	7	0
2000-2499	243	0	2	15	54	52	68	43	9	0
2500+	5034	5	68	191	933	1452	1572	670	143	0
Unknown	5	0	0	0	3	1	0	1	0	0
<b>Sussex</b>	2297	1	42	153	643	665	506	227	60	0
<2500	166	0	5	15	45	43	34	20	4	0
<1500	31	0	1	4	11	4	8	3	0	0
<500	2	0	0	0	0	0	0	2	0	0
500-749	5	0	0	2	1	2	0	0	0	0
750-999	8	0	0	1	1	2	4	0	0	0
1000-1499	16	0	1	1	9	0	4	1	0	0
1500-1999	36	0	2	3	7	14	7	3	0	0
2000-2499	99	0	2	8	27	25	19	14	4	0
2500+	2128	1	37	138	597	621	472	206	56	0
Unknown	3	0	0	0	1	1	0	1	0	0

AGEBRWT

**Notes:**

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2012

Area/ Birthweight	Race				Hispanic Origin*
	All Races	White	Black	Other	
<b>Delaware</b>	10982	7312	2952	704	1396
<2500	910	503	350	52	100
<1500	182	90	82	7	19
<500	29	8	18	2	5
500-749	33	17	14	1	3
750-999	33	22	9	1	4
1000-1499	87	43	41	3	7
1500-1999	200	119	69	11	24
2000-2499	528	294	199	34	57
2500+	10062	6806	2602	651	1292
Unknown	10	3	0	1	4
<b>Kent</b>	2206	1507	610	88	178
<2500	189	119	63	6	15
<1500	35	19	15	1	2
<500	6	1	5	0	0
500-749	6	4	2	0	0
750-999	6	4	1	1	1
1000-1499	17	10	7	0	1
1500-1999	38	24	13	1	1
2000-2499	116	76	35	4	12
2500+	2016	1387	547	82	163
Unknown	1	1	0	0	0
<b>New Castle</b>	6479	3985	1930	553	726
<2500	555	273	237	42	63
<1500	116	56	52	6	13
<500	21	6	12	2	5
500-749	22	13	7	1	3
750-999	19	12	7	0	2
1000-1499	54	25	26	3	3
1500-1999	126	68	47	10	19
2000-2499	313	149	138	26	31
2500+	5918	3711	1693	511	659
Unknown	6	1	0	0	4
<b>Wilmington</b>	1005	375	600	28	118
<2500	120	37	79	3	21
<1500	27	10	16	0	5
<500	9	3	5	0	2
500-749	4	2	2	0	1
750-999	4	3	1	0	1
1000-1499	10	2	8	0	1
1500-1999	23	7	14	2	5
2000-2499	70	20	49	1	11
2500+	884	338	521	25	97
Unknown	1	0	0	0	0
<b>Balance of NC County</b>	5474	3610	1330	525	608
<2500	435	236	158	39	42
<1500	89	46	36	6	8
<500	12	3	7	2	3
500-749	18	11	5	1	2
750-999	15	9	6	0	1
1000-1499	44	23	18	3	2
1500-1999	103	61	33	8	14
2000-2499	243	129	89	25	20
2500+	5034	3373	1172	486	562
Unknown	5	1	0	0	4
<b>Sussex</b>	2297	1820	412	63	492
<2500	166	111	50	4	22
<1500	31	15	15	0	4
<500	2	1	1	0	0
500-749	5	0	5	0	0
750-999	8	6	1	0	1
1000-1499	16	8	8	0	3
1500-1999	36	27	9	0	4
2000-2499	99	69	26	4	14
2500+	2128	1708	362	58	470
Unknown	3	1	0	1	0

**Notes:**

1. Low birthweight is less than 2500 grams.
  2. Very low birthweight is less than 1500 grams.
- \* Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

**Source:**  
Delaware Health Statistics Center

RACEBRWT

TABLE C-33  
NUMBER OF LIVE BIRTHS BY RACE AND HISPANIC ORIGIN OF MOTHER, WEEKS OF GESTATION AND AGE OF MOTHER  
DELAWARE, 2012

Race-Origin/ Weeks	Age							
	Total	<20	20-24	25-29	30-34	35-39	40+	Unknown
<b>All Races</b>	10982	768	2534	3151	2944	1287	298	0
<20 Weeks	3	0	2	1	0	0	0	0
20-27 Weeks	103	9	22	31	27	12	2	0
28-31 Weeks	156	15	48	33	35	20	5	0
32-35 Weeks	614	48	163	152	156	68	27	0
36 Weeks	432	34	102	106	121	59	10	0
37-39 Weeks	5371	315	1112	1540	1517	712	175	0
40 Weeks	2236	185	535	663	598	217	38	0
41 Weeks	1120	83	291	338	284	105	19	0
42+ Weeks	929	79	252	282	203	92	21	0
Unknown	18	0	7	5	3	2	1	0
<b>White</b>	7312	443	1536	2151	2106	869	207	0
<20 Weeks	1	0	1	0	0	0	0	0
20-27 Weeks	54	6	7	16	17	6	2	0
28-31 Weeks	87	6	19	21	24	12	5	0
32-35 Weeks	365	27	83	96	104	40	15	0
36 Weeks	259	16	52	69	78	40	4	0
37-39 Weeks	3506	168	637	1021	1088	465	127	0
40 Weeks	1493	104	339	450	421	157	22	0
41 Weeks	834	54	200	267	218	79	16	0
42+ Weeks	705	62	194	208	155	70	16	0
Unknown	8	0	4	3	1	0	0	0
<b>Black</b>	2952	306	924	763	595	295	69	0
<20 Weeks	2	0	1	1	0	0	0	0
20-27 Weeks	44	3	14	13	10	4	0	0
28-31 Weeks	64	9	29	11	8	7	0	0
32-35 Weeks	208	18	73	51	37	19	10	0
36 Weeks	141	17	48	32	30	11	3	0
37-39 Weeks	1498	138	443	391	306	181	39	0
40 Weeks	595	77	182	162	120	42	12	0
41 Weeks	225	29	83	46	48	17	2	0
42+ Weeks	172	15	51	56	34	14	2	0
Unknown	3	0	0	0	2	0	1	0
<b>Other</b>	704	19	69	233	240	121	22	0
<20 Weeks	0	0	0	0	0	0	0	0
20-27 Weeks	3	0	1	1	0	1	0	0
28-31 Weeks	4	0	0	1	2	1	0	0
32-35 Weeks	40	3	6	5	15	9	2	0
36 Weeks	32	1	2	5	13	8	3	0
37-39 Weeks	364	9	31	127	122	66	9	0
40 Weeks	147	4	14	51	56	18	4	0
41 Weeks	61	0	8	25	18	9	1	0
42+ Weeks	52	2	7	18	14	8	3	0
Unknown	1	0	0	0	0	1	0	0
<b>Hispanic Origin*</b>	1396	135	375	428	275	152	31	0
<20 Weeks	0	0	0	0	0	0	0	0
20-27 Weeks	12	1	3	4	4	0	0	0
28-31 Weeks	11	1	2	2	3	3	0	0
32-35 Weeks	92	6	28	25	21	10	2	0
36 Weeks	52	2	13	16	14	4	3	0
37-39 Weeks	652	65	164	195	129	76	23	0
40 Weeks	291	35	80	92	59	23	2	0
41 Weeks	146	13	46	51	19	16	1	0
42+ Weeks	135	12	36	41	26	20	0	0
Unknown	5	0	3	2	0	0	0	0

**Notes:**

Weeks of gestation are calculated from the first day of the last normal menstrual period to date of delivery.  
\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.

**Source:**

Delaware Health Statistics Center

NGESRCAG



TABLE C-34  
NUMBER OF LIVE BIRTHS BY RACE AND HISPANIC ORIGIN OF MOTHER, BIRTHWEIGHT AND WEEKS OF GESTATION  
DELAWARE, 2012

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		
<b>All Races</b>	10982	106	156	614	432	5371	2236	1120	929	18
<500	29	29	0	0	0	0	0	0	0	0
500-999	66	55	8	1	1	1	0	0	0	0
1000-1499	87	14	39	26	2	5	0	0	1	0
1500-1999	200	3	40	115	11	22	2	1	5	1
2000-2499	528	0	12	165	81	208	21	18	19	4
2500-2999	1930	5	23	127	161	1084	272	107	151	0
3000-3499	4026	0	26	116	127	2170	852	375	358	2
3500-3999	3103	0	8	54	41	1462	811	440	285	2
4000-4499	855	0	0	8	7	354	244	148	93	1
4500+	148	0	0	2	1	63	34	31	17	0
Unknown	10	0	0	0	0	2	0	0	0	8
<b>White</b>	7312	55	87	365	259	3506	1493	834	705	8
<500	8	8	0	0	0	0	0	0	0	0
500-999	39	32	5	1	0	1	0	0	0	0
1000-1499	43	9	19	13	1	1	0	0	0	0
1500-1999	119	3	29	64	6	11	1	1	3	1
2000-2499	294	0	7	103	42	102	13	12	12	3
2500-2999	1079	3	10	71	100	595	148	56	96	0
3000-3499	2595	0	11	70	73	1386	510	273	272	0
3500-3999	2312	0	6	35	33	1073	596	337	230	2
4000-4499	694	0	0	6	3	286	195	127	76	1
4500+	126	0	0	2	1	49	30	28	16	0
Unknown	3	0	0	0	0	2	0	0	0	1
<b>Black</b>	2952	46	64	208	141	1498	595	225	172	3
<500	18	18	0	0	0	0	0	0	0	0
500-999	23	21	2	0	0	0	0	0	0	0
1000-1499	41	5	18	12	1	4	0	0	1	0
1500-1999	69	0	11	42	4	9	1	0	2	0
2000-2499	199	0	5	51	32	90	8	5	7	1
2500-2999	685	2	13	48	50	388	100	43	41	0
3000-3499	1155	0	13	39	44	636	268	82	71	2
3500-3999	612	0	2	14	6	301	171	77	41	0
4000-4499	131	0	0	2	4	57	43	16	9	0
4500+	19	0	0	0	0	13	4	2	0	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Other</b>	704	3	4	40	32	364	147	61	52	1
<500	2	2	0	0	0	0	0	0	0	0
500-999	2	1	0	0	1	0	0	0	0	0
1000-1499	3	0	2	1	0	0	0	0	0	0
1500-1999	11	0	0	9	1	1	0	0	0	0
2000-2499	34	0	0	10	7	16	0	1	0	0
2500-2999	165	0	0	8	11	100	24	8	14	0
3000-3499	274	0	2	7	10	147	73	20	15	0
3500-3999	179	0	0	5	2	88	44	26	14	0
4000-4499	30	0	0	0	0	11	6	5	8	0
4500+	3	0	0	0	0	1	0	1	1	0
Unknown	1	0	0	0	0	0	0	0	0	1
<b>Hispanic Origin*</b>	1396	12	11	92	52	652	291	146	135	5
<500	5	5	0	0	0	0	0	0	0	0
500-999	7	3	2	1	1	0	0	0	0	0
1000-1499	7	2	1	4	0	0	0	0	0	0
1500-1999	24	1	3	16	2	2	0	0	0	0
2000-2499	57	0	2	20	7	22	1	5	0	0
2500-2999	232	1	1	15	18	132	33	13	19	0
3000-3499	544	0	1	18	18	270	130	50	57	0
3500-3999	419	0	1	15	6	189	97	59	51	1
4000-4499	78	0	0	2	0	32	24	15	5	0
4500+	19	0	0	1	0	5	6	4	3	0
Unknown	4	0	0	0	0	0	0	0	0	4

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, 2012

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>	10982	100.0	5296	48.2	5151	46.9	158	1.4	315	2.9	55	0.5
<20	768	100.0	611	79.6	144	18.8	4	0.5	7	0.9	2	0.3
20-24	2534	100.0	1765	69.7	642	25.3	28	1.1	85	3.4	11	0.4
25-29	3151	100.0	1524	48.4	1441	45.7	46	1.5	125	4.0	13	0.4
30-34	2944	100.0	917	31.1	1888	64.1	51	1.7	68	2.3	19	0.6
35+	1585	100.0	479	30.2	1036	65.4	29	1.8	30	1.9	10	0.6
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>White</b>	7312	100.0	3142	43.0	3755	51.4	124	1.69584	257	3.5	29	0.4
<20	443	100.0	346	78.1	91	20.5	1	0.2	5	1.1	0	0.0
20-24	1536	100.0	1007	65.6	429	27.9	22	1.4	69	4.5	7	0.5
25-29	2151	100.0	919	42.7	1084	50.4	41	1.9	100	4.6	5	0.2
30-34	2106	100.0	571	27.1	1423	67.6	41	1.9	59	2.8	11	0.5
35+	1076	100.0	299	27.8	728	67.7	19	1.8	24	2.2	6	0.6
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Black</b>	2952	100.0	1946	65.9	934	31.6	18	0.6	40	1.4	13	0.4
<20	306	100.0	252	82.4	48	15.7	2	0.7	2	0.7	2	0.7
20-24	924	100.0	718	77.7	189	20.5	4	0.4	11	1.2	1	0.1
25-29	763	100.0	529	69.3	213	27.9	1	0.1	17	2.2	3	0.4
30-34	595	100.0	298	50.1	281	47.2	5	0.8	5	0.8	6	1.0
35+	364	100.0	149	40.9	203	55.8	6	1.6	5	1.4	1	0.3
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Other</b>	704	100.0	206	29.3	458	65.1	15	2.1	17	2.4	7	1.0
<20	19	100.0	13	68.4	5	26.3	1	5.3	0	0.0	0	0.0
20-24	69	100.0	40	58.0	24	34.8	1	1.4	4	5.8	0	0.0
25-29	233	100.0	76	32.6	142	60.9	4	1.7	8	3.4	3	1.3
30-34	240	100.0	46	19.2	183	76.3	5	2.1	4	1.7	2	0.8
35+	143	100.0	31	21.7	104	72.7	4	2.8	1	0.7	2	1.4
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Hispanic Origin*</b>	1396	100.0	1140	81.7	208	14.9	11	0.8	30	2.1	6	0.4
<20	135	100.0	119	88.1	15	11.1	1	0.7	0	0.0	0	0.0
20-24	375	100.0	321	85.6	35	9.3	2	0.5	12	3.2	5	1.3
25-29	428	100.0	348	81.3	68	15.9	3	0.7	7	1.6	1	0.2
30-34	275	100.0	215	78.2	48	17.5	4	1.5	8	2.9	0	0.0
35+	183	100.0	137	74.9	42	23.0	1	0.5	3	1.6	0	0.0
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, 2012

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>	10982	100.0	5296	48.2	5151	46.9	158	1.4	315	2.9	55	0.5
Married	5823	100.0	1392	23.9	3984	68.4	130	2.2	279	4.8	35	0.6
Single	5159	100.0	3904	75.7	1167	22.6	28	0.5	36	0.7	20	0.4
<b>White</b>	7312	100.0	3142	43.0	3755	51.4	124	1.7	257	3.5	29	0.4
Married	4387	100.0	965	22.0	3055	69.6	108	2.5	239	5.4	18	0.4
Single	2925	100.0	2177	74.4	700	23.9	16	0.5	18	0.6	11	0.4
<b>Black</b>	2952	100.0	1946	65.9	934	31.6	18	0.6	40	1.4	13	0.4
Married	837	100.0	306	36.6	491	58.7	9	1.1	24	2.9	7	0.8
Single	2115	100.0	1640	77.5	443	20.9	9	0.4	16	0.8	6	0.3
<b>Other</b>	704	100.0	206	29.3	458	65.1	15	2.1	17	2.4	7	1.0
Married	591	100.0	119	20.1	436	73.8	13	2.2	15	2.5	7	1.2
Single	113	100.0	87	77.0	22	19.5	2	1.8	2	1.8	0	0.0
<b>Hispanic Origin*</b>	1396	100.0	1140	81.7	208	14.9	11	0.8	30	2.1	6	0.4
Married	530	100.0	353	66.6	138	26.0	7	1.3	28	5.3	4	0.8
Single	866	100.0	787	90.9	70	8.1	4	0.5	2	0.2	2	0.2

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, 2012

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>	10982	100.0	5296	100.0	5151	100.0	158	100.0	315	100.0	55	100.0
Vaginal	7343	66.9	3624	68.4	3326	64.6	128	81.0	225	71.4	35	63.6
C-section	3632	33.1	1671	31.6	1824	35.4	30	19.0	90	28.6	15	27.3
Unknown	7	0.1	1	0.0	1	0.0	0	0.0	0	0.0	5	9.1
<b>White</b>	7312	100.0	3142	100.0	3755	100.0	124	100.0	257	100.0	29	100.0
Vaginal	4928	67.4	2158	68.7	2457	65.4	107	86.3	182	70.8	19	65.5
C-section	2381	32.6	983	31.3	1297	34.5	17	13.7	75	29.2	9	31.0
Unknown	3	0.0	1	0.0	1	0.0	0	0.0	0	0.0	1	3.4
<b>Black</b>	2952	100.0	1946	100.0	934	100.0	18	100.0	40	100.0	13	100.0
Vaginal	1947	66.0	1319	67.8	581	62.2	10	55.6	28	70.0	9	69.2
C-section	1005	34.0	627	32.2	353	37.8	8	44.4	12	30.0	4	30.8
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Other</b>	704	100.0	206	100.0	458	100.0	15	100.0	17	100.0	7	100.0
Vaginal	460	65.3	146	70.9	285	62.2	10	66.7	14	82.4	5	71.4
C-section	244	34.7	60	29.1	173	37.8	5	33.3	3	17.6	2	28.6
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
<b>Hispanic Origin*</b>	1396	100.0	1140	100.0	208	100.0	11	100.0	30	100.0	6	100.0
Vaginal	988	70.8	806	70.7	144	69.2	8	72.7	26	86.7	3	50.0
C-section	406	29.1	334	29.3	64	30.8	3	27.3	4	13.3	1	16.7
Unknown	2	0.1	0	0.0	0	0.0	0	0.0	0	0.0	2	33.3

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, 2012

Method of Delivery	Number
<b>Total</b>	10982
<b>Vaginal</b>	7343
Vaginal after Previous	219
<b>C-Section</b>	3632
Primary C-Section	2063
Repeat C-Section	1569
<b>Unknown</b>	7

Source: METHOD1  
Delaware Health Statistics Center

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

DELAWARE, 2012

Birth weight	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10982	100.0	7343	66.9	3632	33.1	7	0.1
<2500	910	100.0	515	56.6	395	43.4	0	0.0
<1500	182	100.0	95	52.2	87	47.8	0	0.0
1500-2499	728	100.0	420	57.7	308	42.3	0	0.0
2500+	10062	100.0	6824	67.8	3237	32.2	1	0.0
Unknown	10	100.0	4	40.0	0	0.0	6	60.0

Notes:

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

Source:  
Delaware Health Statistics Center

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

DELAWARE, 2012

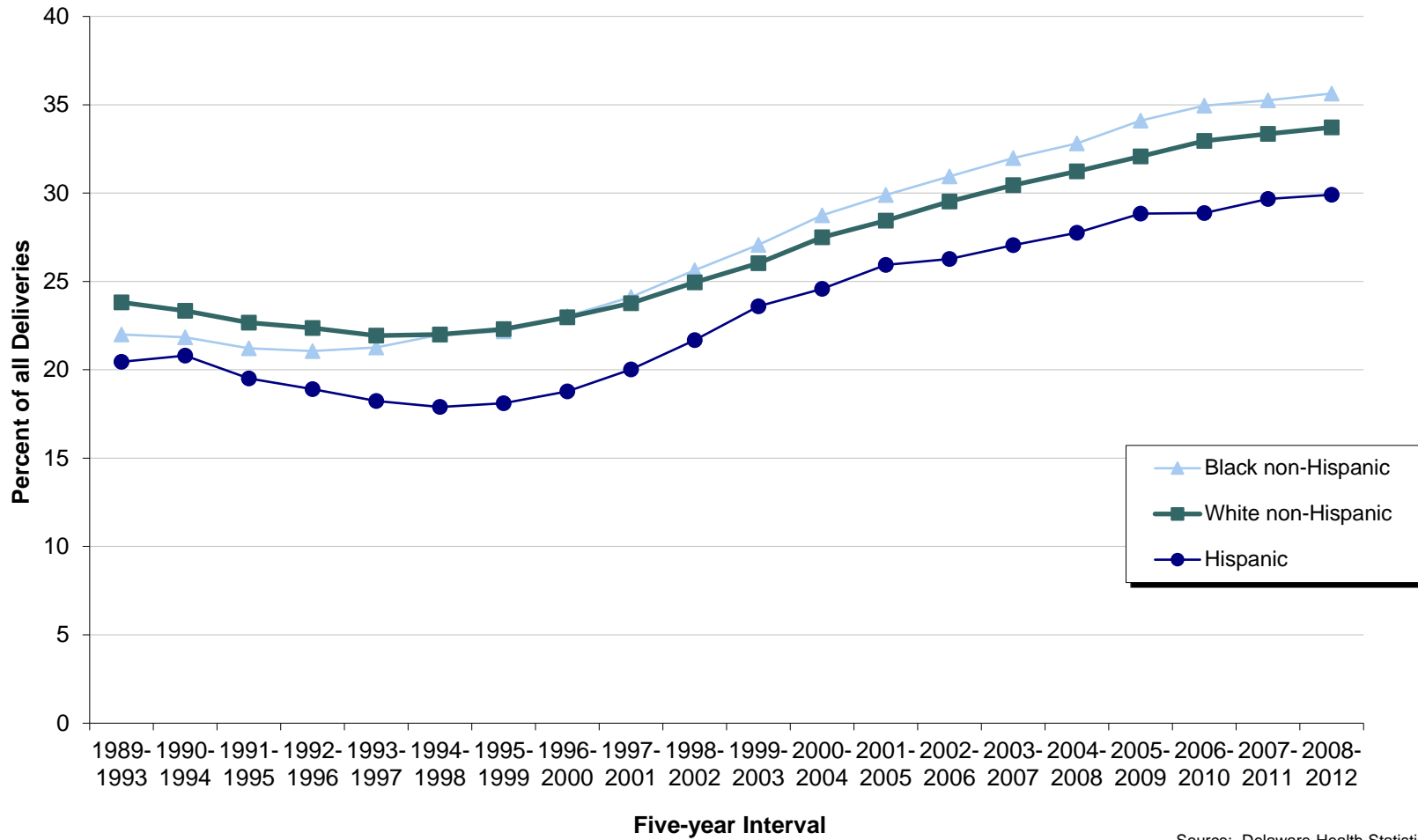
Age	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10982	100.0	7343	66.9	3632	33.1	7	0.1
<20	768	100.0	604	78.6	164	21.4	0	0.0
20-24	2534	100.0	1841	72.7	690	27.2	3	0.1
25-29	3151	100.0	2146	68.1	1002	31.8	3	0.1
30-34	2944	100.0	1873	63.6	1071	36.4	0	0.0
35+	1585	100.0	879	55.5	705	44.5	1	0.1
Unknown	0	...	0	...	0	...	0	...

Notes:

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

Source:  
Delaware Health Statistics Center

**Figure C-15**  
**Five-year Percent Births by Cesarean Section Delivery by Race and Ethnicity**  
**Delaware, 1989-2012**



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, 2012

Area/ Tobacco Use	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10982	100.0	7312	100.0	2952	100.0	704	100.0	1396	100.0
Yes	1361	12.4	1007	13.8	333	11.3	20	2.8	52	3.7
No	9603	87.4	6299	86.1	2617	88.7	681	96.7	1338	95.8
Unknown	18	0.2	6	0.1	2	0.1	3	0.4	6	0.4
<b>Kent</b>	2206	100.0	1507	100.0	610	100.0	88	100.0	178	100.0
Yes	238	10.8	172	11.4	59	9.7	7	8.0	12	6.7
No	1967	89.2	1334	88.5	551	90.3	81	92.0	166	93.3
Unknown	1	0.0	1	0.1	0	0.0	0	0.0	0	0.0
<b>New Castle</b>	6479	100.0	3985	100.0	1930	100.0	553	100.0	726	100.0
Yes	704	10.9	490	12.3	204	10.6	9	1.6	29	4.0
No	5762	88.9	3492	87.6	1724	89.3	542	98.0	691	95.2
Unknown	13	0.2	3	0.1	2	0.1	2	0.4	6	0.8
Wilmington	1005	100.0	375	100.0	600	100.0	28	100.0	118	100.0
Yes	143	14.2	43	11.5	98	16.3	2	7.1	9	7.6
No	859	85.5	331	88.3	502	83.7	26	92.9	109	92.4
Unknown	3	0.3	1	0.3	0	0.0	0	0.0	0	0.0
Balance of NC County	5474	100.0	3610	100.0	1330	100.0	525	100.0	608	100.0
Yes	561	10.2	447	12.4	106	8.0	7	1.3	20	3.3
No	4903	89.6	3161	87.6	1222	91.9	516	98.3	582	95.7
Unknown	10	0.2	2	0.1	2	0.2	2	0.4	6	1.0
<b>Sussex</b>	2297	100.0	1820	100.0	412	100.0	63	100.0	492	100.0
Yes	419	18.2	345	19.0	70	17.0	4	6.3	11	2.2
No	1874	81.6	1473	80.9	342	83.0	58	92.1	481	97.8
Unknown	4	0.2	2	0.1	0	0.0	1	1.6	0	0.0

**Notes:**

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

TOBALC3

**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, 2012

Age	Reported Tobacco Use							
	Total		Yes		No		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10982	100.0	1361	12.4	9603	87.4	18	0.2
< 18	208	100.0	7	3.4	201	96.6	0	0.0
18-19	560	100.0	86	15.4	474	84.6	0	0.0
20-24	2534	100.0	412	16.3	2114	83.4	8	0.3
25-29	3151	100.0	446	14.2	2703	85.8	2	0.1
30-34	2944	100.0	302	10.3	2638	89.6	4	0.1
35 +	1585	100.0	108	6.8	1473	92.9	4	0.3
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, 2012

Area/ Birth Weight	Reported Tobacco Use							
	Total		Yes		No		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	10982	100.0	1361	100.0	9603	100.0	18	100.0
<2500	910	8.3	190	14.0	717	7.5	3	16.7
2500+	10062	91.6	1171	86.0	8885	92.5	6	33.3
Unknown	10	0.1	0	0.0	1	0.0	9	50.0
<b>Kent</b>	2206	100.0	238	100.0	1967	100.0	1	100.0
<2500	189	8.6	25	10.5	164	8.3	0	0.0
2500+	2016	91.4	213	89.5	1803	91.7	0	0.0
Unknown	1	0.0	0	0.0	0	0.0	1	100.0
<b>New Castle</b>	6479	100.0	704	100.0	5762	100.0	13	100.0
<2500	555	8.6	111	15.8	441	7.7	3	23.1
2500+	5918	91.3	593	84.2	5321	92.3	4	30.8
Unknown	6	0.1	0	0.0	0	0.0	6	46.2
Wilmington	1005	100.0	143	100.0	859	100.0	3	100.0
<2500	120	11.9	25	17.5	94	10.9	1	33.3
2500+	884	88.0	118	82.5	765	89.1	1	33.3
Unknown	1	0.1	0	0.0	0	0.0	1	33.3
Balance of NC County	5474	100.0	561	100.0	4903	100.0	10	100.0
<2500	435	7.9	86	15.3	347	7.1	2	20.0
2500+	5034	92.0	475	84.7	4556	92.9	3	30.0
Unknown	5	0.1	0	0.0	0	0.0	5	50.0
<b>Sussex</b>	2297	100.0	419	100.0	1874	100.0	4	100.0
<2500	166	7.2	54	12.9	112	6.0	0	0.0
2500+	2128	92.6	365	87.1	1761	94.0	2	50.0
Unknown	3	0.1	0	0.0	1	0.1	2	50.0

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, 2000-2012

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

TOBPCT

**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

TABLE C-45  
NUMBER AND PERCENT OF LIVE BIRTHS BY DAY OF THE WEEK  
DELAWARE, 2012

Day	Number	Percent
Sunday	1118	10.2
Monday	1770	16.1
Tuesday	1821	16.6
Wednesday	1718	15.6
Thursday	1745	15.9
Friday	1730	15.8
Saturday	1080	9.8
Total	10982	100.0

**Notes:**

DAYMONB1

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, 2012

Month	Number	Percent
January	914	8.3
February	861	7.8
March	879	8.0
April	906	8.2
May	917	8.4
June	910	8.3
July	914	8.3
August	1033	9.4
September	948	8.6
October	946	8.6
November	822	7.5
December	932	8.5
Total	10982	100.0

**Notes:**

DAYMONB2

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, 2011-2012

**Males**

Rank	2011	
	Name	Number
1	Michael	62
2	Ryan	58
2	William	58
4	Jacob	57
4	Mason	57
6	Anthony	52
6	Noah	52
8	Aiden	49
8	Ethan	49
8	Jayden	49
11	Joshua	47
12	Christopher	46
13	Daniel	45
13	Liam	45
15	Elijah	43

Rank	2012	
	Name	Number
1	Michael	63
2	Mason	56
3	Anthony	55
4	Alexander	53
5	Ethan	51
5	Jayden	51
5	Liam	51
8	Logan	50
9	Elijah	48
10	Christopher	47
11	John	45
11	William	45
13	Aiden	44
14	Daniel	42
14	James	42

**Females**

Rank	2011	
	Name	Number
1	Sophia	68
2	Olivia	55
3	Ava	53
4	Emma	48
5	Emily	46
6	Madison	41
7	Abigail	39
8	Aubrey	38
9	Isabella	35
10	Chloe	34
11	Mia	28
12	Lily	27
13	Savannah	25
14	Brianna	24
14	Lillian	24

Rank	2012	
	Name	Number
1	Sophia	62
2	Isabella	60
3	Ava	53
4	Emma	51
5	Olivia	49
6	Madison	35
7	Emily	32
8	Amelia	28
8	Lillian	28
10	Abigail	27
10	Aubrey	27
11	Zoey	27
13	Layla	25
14	Elizabeth	24
14	Mia	24

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, 2012

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	

NatLBW%

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

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, 2012

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

CSState

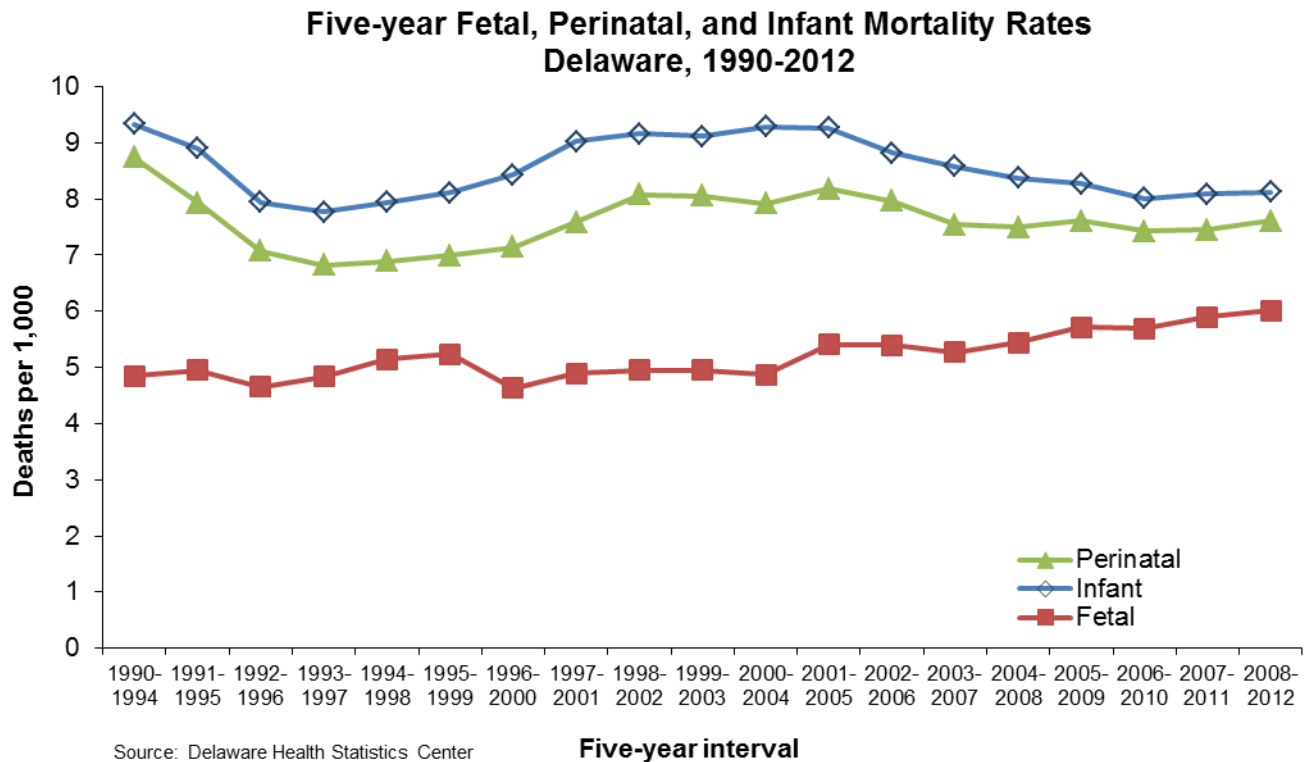
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# Fetal & Perinatal Deaths

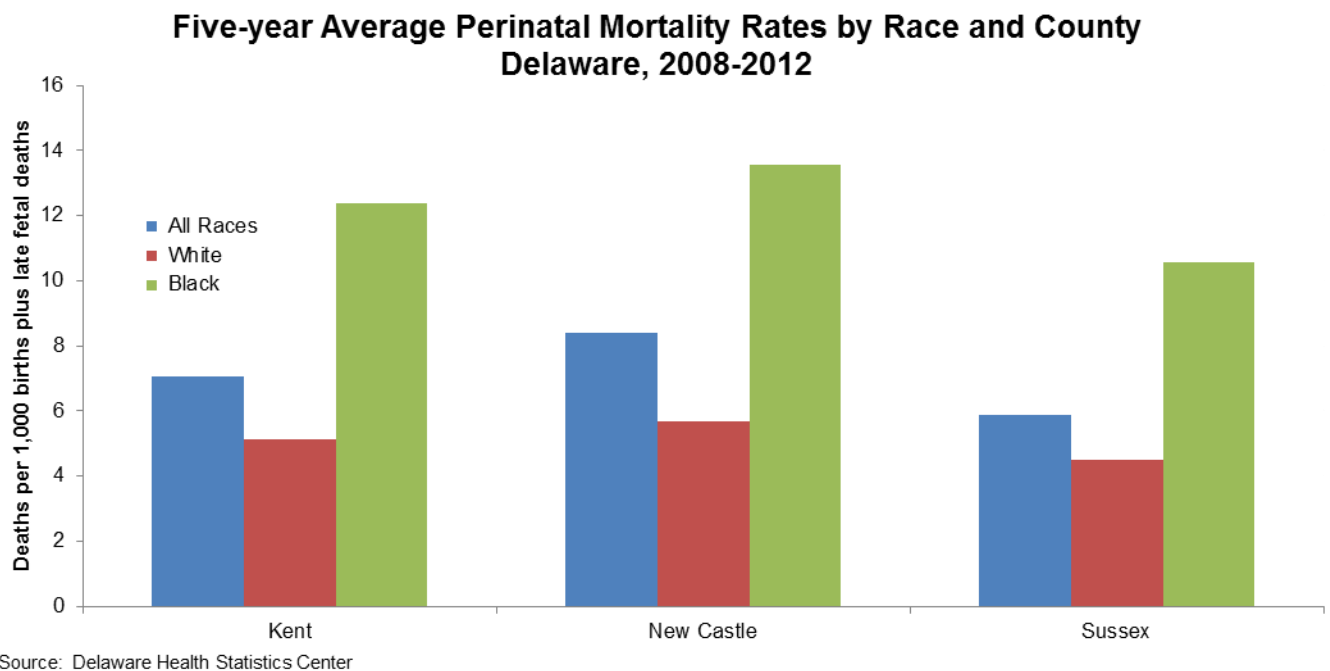
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## FETAL AND PERINATAL DEATHS

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 small period of decrease through 2006-2010, the trend is slightly rising through 2008-2012.



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 all three counties, the perinatal mortality rate for black women was more than double that of white women.





## FETAL AND PERINATAL DEATHS

In 2012, there were 62 reported fetal deaths in Delaware. In 2008-2012, the fetal mortality rate was 6.0 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 2008-2012 they were 48 percent higher than the rate of white women (8.5 versus 5.2).

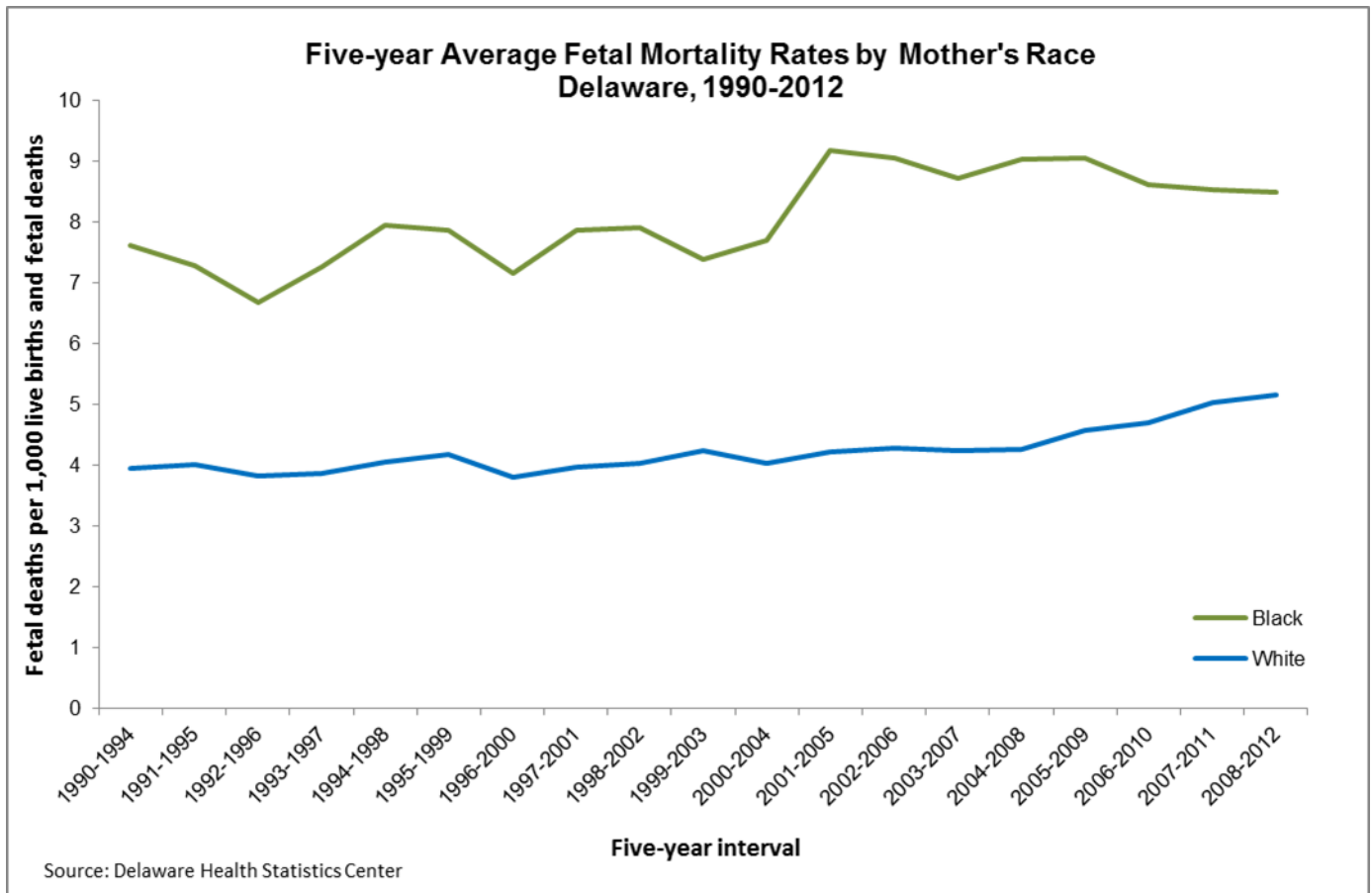


TABLE D-1  
NUMBER OF FETAL DEATHS BY RACE, HISPANIC ORIGIN, AND AGE OF WOMAN

DELAWARE AND COUNTIES, 2012

Area/ Age	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Delaware</b>	62	38	21	3	8
<20	7	5	2	0	0
20-24	13	4	8	1	2
25-34	29	19	9	1	3
35+	13	10	2	1	3
Unknown	0	0	0	0	0
<b>Kent</b>	4	1	3	0	0
<20	0	0	0	0	0
20-24	1	0	1	0	0
25-34	2	0	2	0	0
35+	1	1	0	0	0
Unknown	0	0	0	0	0
<b>New Castle</b>	36	24	11	1	4
<20	5	3	2	0	0
20-24	7	2	5	0	1
25-34	17	14	3	0	1
35+	7	5	1	1	2
Unknown	0	0	0	0	0
<b>Sussex</b>	22	13	7	2	4
<20	2	2	0	0	0
20-24	5	2	2	1	1
25-34	10	5	4	1	2
35+	5	4	1	0	1
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, 2012

Education	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Total</b>	62	38	21	3	8
<9	4	3	1	0	2
9 to 11	8	5	3	0	2
H.S. Grad	26	14	10	2	1
1 to 3 College	14	9	5	0	1
4+ College	8	6	2	0	1
Unknown	2	1	0	1	1

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, 2012

Area/ Marital Status	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Delaware</b>	62	38	21	3	8
Married	25	18	5	2	3
Single	37	20	16	1	5
<b>Kent</b>	4	1	3	0	0
Married	2	1	1	0	0
Single	2	0	2	0	0
<b>New Castle</b>	36	24	11	1	4
Married	15	14	0	1	2
Single	21	10	11	0	2
<b>Sussex</b>	22	13	7	2	4
Married	8	3	4	1	1
Single	14	10	3	1	3

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, 2012

Area/ Weight	Race			
	All Races	White	Black	Other
<b>Delaware</b>	62	38	21	3
<500	19	11	6	2
500-749	10	6	4	0
750-999	5	3	2	0
1000-1499	7	5	1	1
1500-1999	4	3	1	0
2000-2499	2	1	1	0
2500+	15	9	6	0
Unknown	0	0	0	0
<b>Kent</b>	4	1	3	0
<500	1	0	1	0
500-749	0	0	0	0
750-999	0	0	0	0
1000-1499	0	0	0	0
1500-1999	0	0	0	0
2000-2499	0	0	0	0
2500+	3	1	2	0
Unknown	0	0	0	0
<b>New Castle</b>	36	24	11	1
<500	12	8	3	1
500-749	8	5	3	0
750-999	1	0	1	0
1000-1499	4	3	1	0
1500-1999	4	3	1	0
2000-2499	0	0	0	0
2500+	7	5	2	0
Unknown	0	0	0	0
<b>Sussex</b>	22	13	7	2
<500	6	3	2	1
500-749	2	1	1	0
750-999	4	3	1	0
1000-1499	3	2	0	1
1500-1999	0	0	0	0
2000-2499	2	1	1	0
2500+	5	3	2	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, 2012

Area/ Age	Race			
	All Races	White	Black	Other
<b>Delaware</b>	62	38	21	3
<20 Weeks	2	0	1	1
20-24 Weeks	19	12	6	1
25-29 Weeks	12	9	3	0
30-34 Weeks	12	7	4	1
35-39 Weeks	13	8	5	0
40+ Weeks	4	2	2	0
Unknown	0	0	0	0
<b>Kent</b>	4	1	3	0
<20 Weeks	0	0	0	0
20-24 Weeks	0	0	0	0
25-29 Weeks	0	0	0	0
30-34 Weeks	0	0	0	0
35-39 Weeks	3	1	2	0
40+ Weeks	1	0	1	0
Unknown	0	0	0	0
<b>New Castle</b>	36	24	11	1
<20 Weeks	2	0	1	1
20-24 Weeks	11	8	3	0
25-29 Weeks	9	6	3	0
30-34 Weeks	8	5	3	0
35-39 Weeks	4	4	0	0
40+ Weeks	2	1	1	0
Unknown	0	0	0	0
<b>Sussex</b>	22	13	7	2
<20 Weeks	0	0	0	0
20-24 Weeks	8	4	3	1
25-29 Weeks	3	3	0	0
30-34 Weeks	4	2	1	1
35-39 Weeks	6	3	3	0
40+ Weeks	1	1	0	0
Unknown	0	0	0	0

**Note:**

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

FDGESRAC

**Source:**

Delaware Health Statistics Center

TABLE D-6  
 FIVE-YEAR AVERAGE PERINATAL MORTALITY RATES BY RACE  
 DELAWARE AND COUNTIES, 1994-2012

Area/ Race	1994 -1998	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012
<b>Delaware</b>														
All Races	6.9	7.1	7.6	8.1	8.1	7.9	8.2	8.0	7.5	7.5	7.6	7.4	7.4	7.6
White	5.6	5.6	5.8	6.2	6.3	6.3	6.2	6.2	6.0	5.9	5.7	5.6	5.5	5.3
Black	10.8	12.4	13.8	14.4	14.2	13.4	14.3	13.5	12.6	12.5	12.9	12.3	12.3	12.9
<b>Kent</b>														
All Races	7.3	7.5	7.3	8.9	8.7	8.2	8.7	8.0	5.8	6.0	6.3	5.9	6.2	7.1
White	5.6	6.0	6.2	8.1	7.8	7.3	6.9	5.9	3.6	3.8	3.7	4.4	4.8	5.1
Black	12.5	12.9	11.7	11.8	12.1	10.7	13.8	13.7	11.5	11.8	13.7	10.4	10.0	12.4
<b>New Castle</b>														
All Races	6.7	7.3	7.9	8.3	8.5	8.3	8.5	8.3	8.1	8.1	8.2	8.0	8.3	8.4
White	5.2	5.3	5.6	5.8	6.2	6.3	6.4	6.3	6.4	6.3	6.4	5.7	5.8	5.7
Black	11.2	13.7	15.3	16.3	15.9	14.9	15.0	14.1	13.4	13.2	12.7	13.1	13.7	13.6
<b>Sussex</b>														
All Races	7.3	6.3	6.6	6.4	5.9	6.2	6.6	6.9	7.3	7.0	7.0	7.3	6.1	5.9
White	7.2	6.1	5.7	5.5	5.1	5.3	5.2	6.1	6.9	6.4	5.7	6.5	5.4	4.5
Black	7.6	6.6	9.7	9.6	9.1	9.8	12.0	10.3	10.7	10.6	12.9	10.8	8.9	10.6

Peri\_race

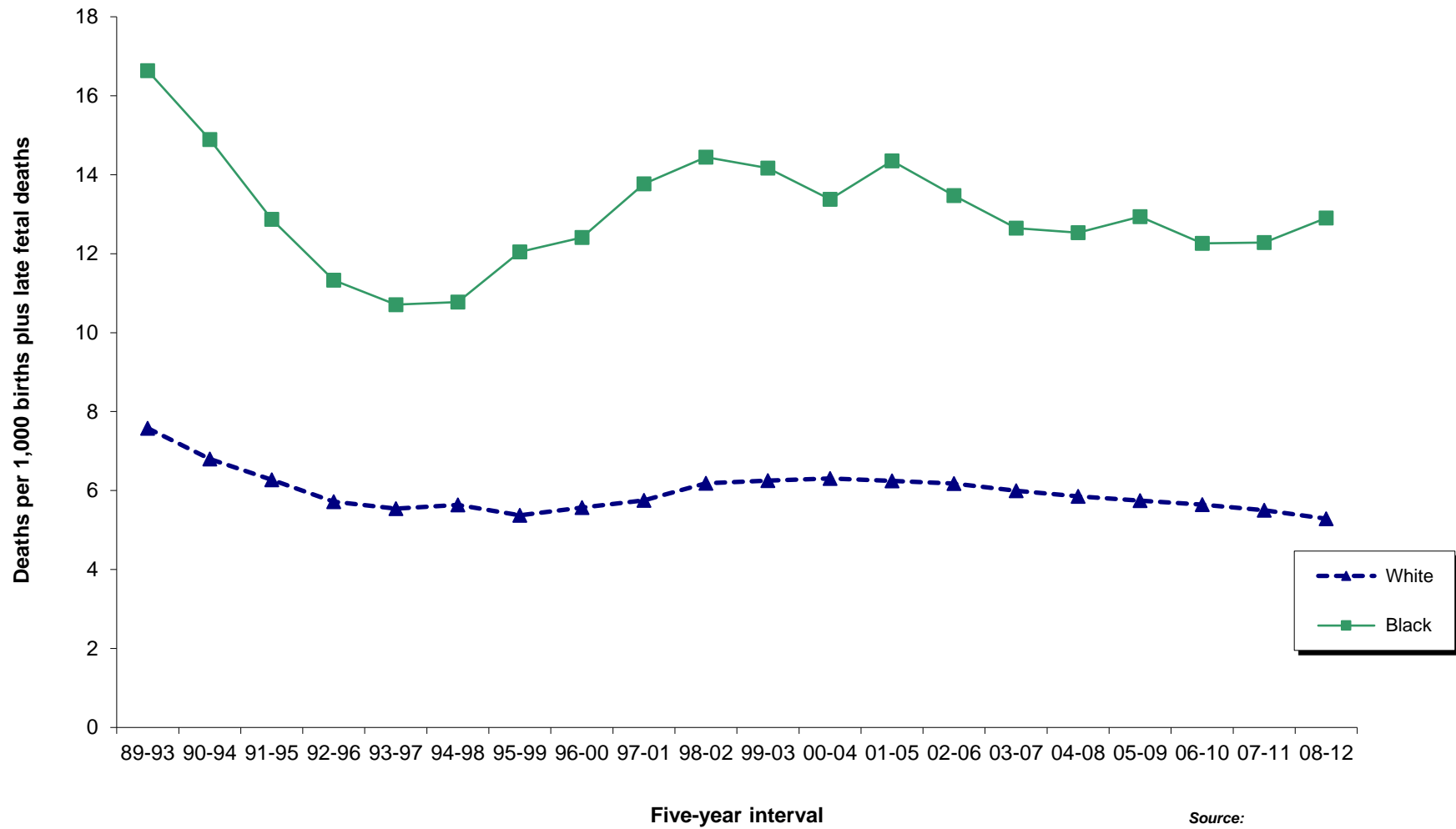
**Note:**

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, 1989-2012**



*Source:*  
 Delaware Health Statistics Center

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# Infant Mortality

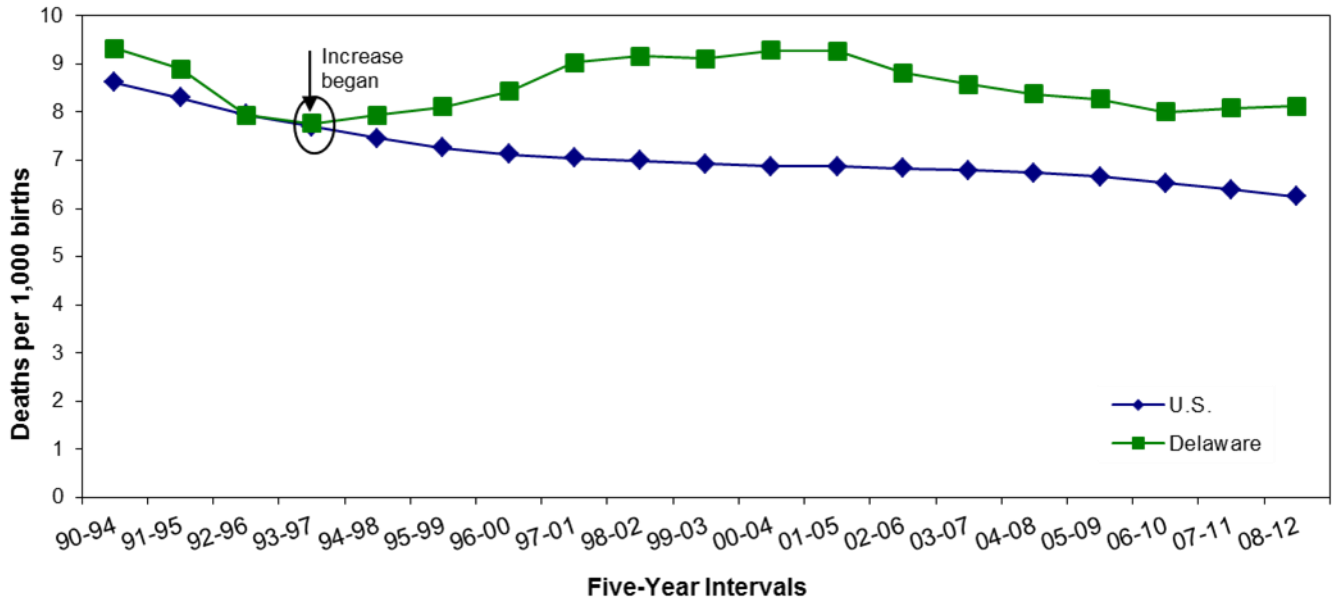


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## INFANT MORTALITY

Between 2007-2011 and 2008-2012, Delaware's infant mortality rate (IMR) remained constant at 8.1 infant deaths per 1,000 live births, maintaining the total decline of 12.9 percent from its 2000-2004 peak of 9.3 infant deaths per 1,000 live births. At 6.2, the U.S. rate remained significantly lower than the Delaware rate.

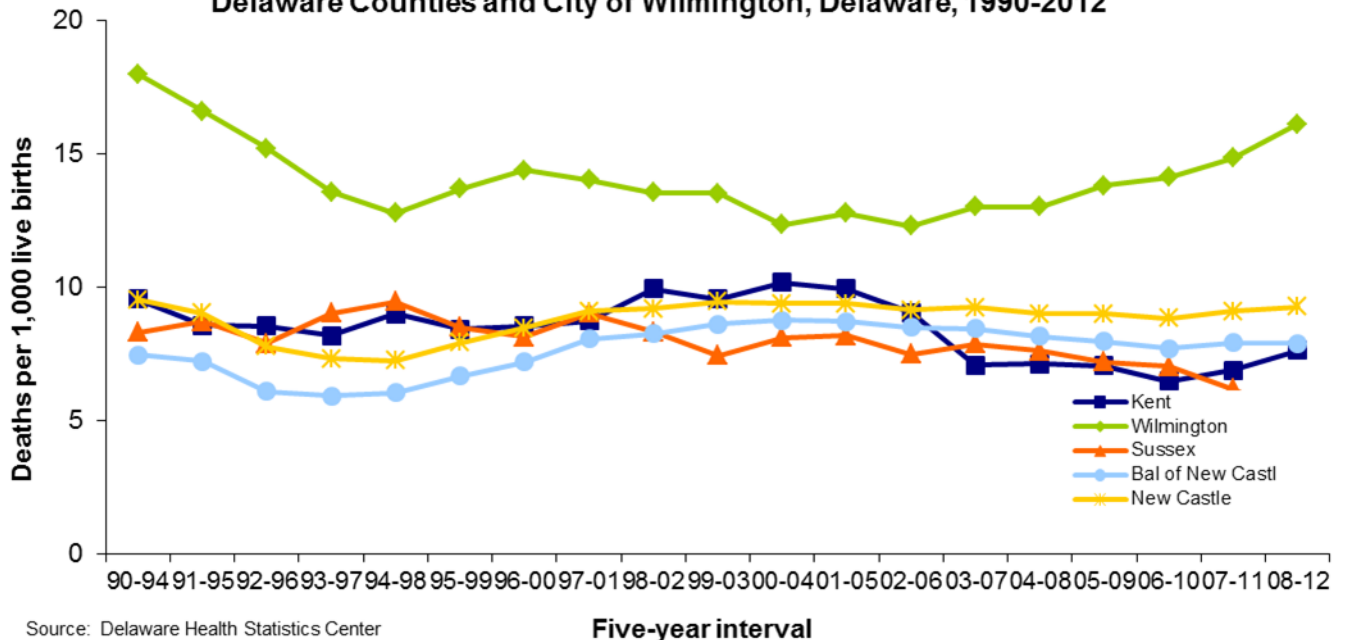
**Five-year Average Infant Mortality Rates  
Delaware and U.S., 1990-2012**



Source: Delaware Health Statistics Center

Wilmington's IMR increased for the sixth 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 Kent and Sussex Counties. The decrease in IMR of Sussex from 2007-2011 to 2008-2012 resulted in Sussex's IMR being the lowest. In 2008-2012, the balance of New Castle County's IMR was 7.9, Wilmington's IMR was 16.1, Kent County's IMR was 7.6, and Sussex County's IMR was 5.2.

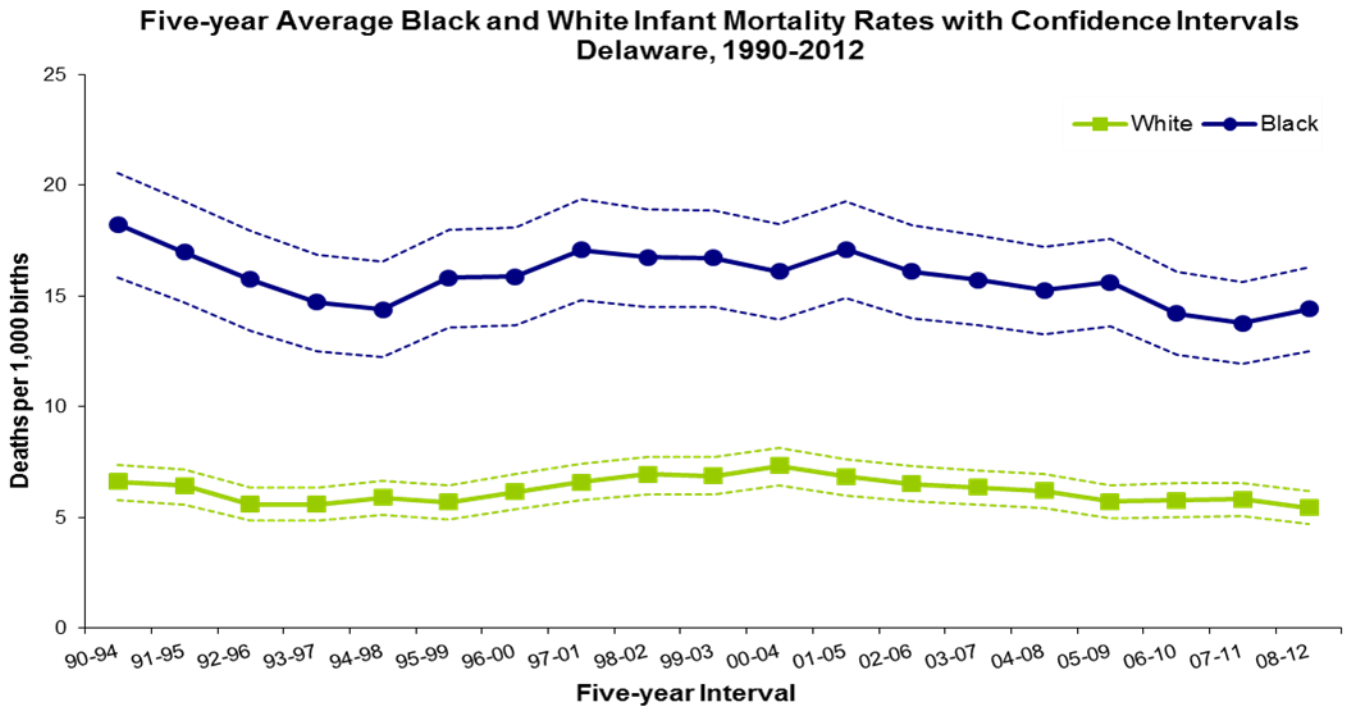
**Five-year Average Infant Mortality Rates  
Delaware Counties and City of Wilmington, Delaware, 1990-2012**



Source: Delaware Health Statistics Center

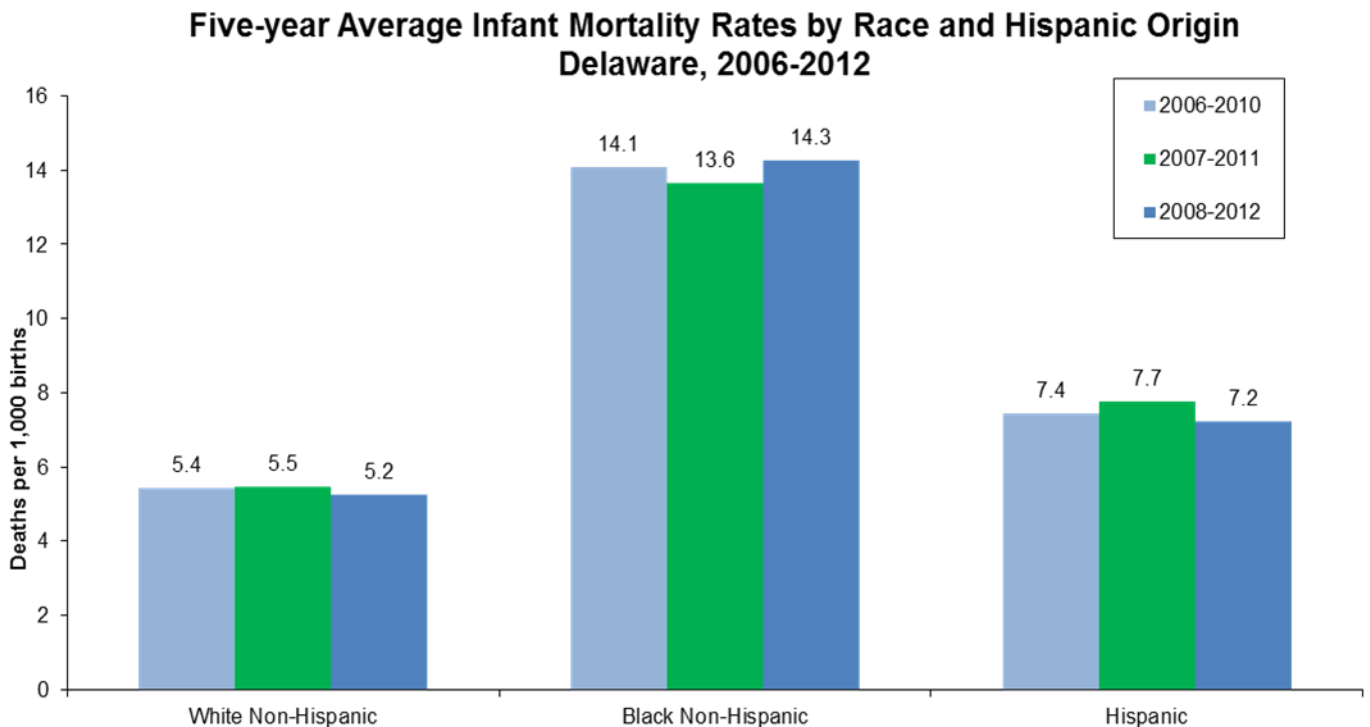
## INFANT MORTALITY

Black infants experienced significantly higher mortality rates than white infants, and from 1990-1994 to 2008-2012, black IMRs were anywhere from 2.2 to 2.8 times that of white IMRs.



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 2006-2010, 2007-2011, and 2008-2012; and their rate of 14.3 in 2008-2012 was more than double the white non-Hispanic rate of 5.2 and nearly twice the Hispanic rate of 7.2 infant deaths per 1,000 live births.



Source: Delaware Health Statistics Center

## INFANT MORTALITY

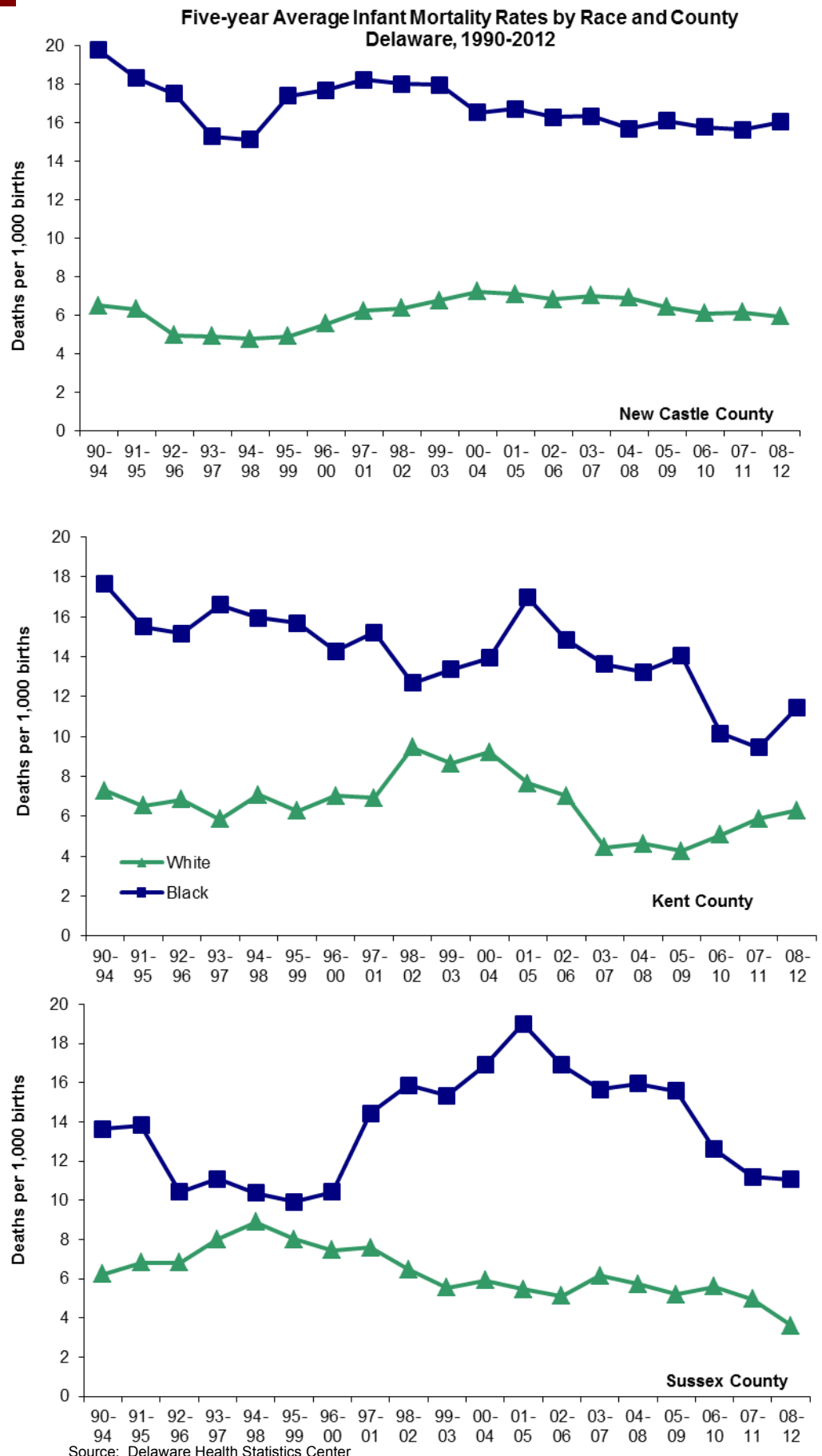
In 2008-2012, New Castle County had the highest IMRs and Sussex County had the lowest.

Black IMRs in New Castle County have hovered around 16 since 2002-2006, and in 2008-2012 the black IMR was 16.1 infant deaths per 1,000 live births. White IMRs decreased slightly to 5.9 from 2007-2011 to 2008-2012.

Black IMRs in Kent County peaked at 17 in 2001-2005; the recent drop in 2007-2011 resulted in a 45 percent reduction in black IMRs between 2001-2005 and 2007-2011.

In 2008-2012, the rate increased by 22.3 percent to 11.5 infant deaths per 1,000 live births. Despite increasing from their 2007-2011 rate, the white IMR in Kent County was 17 percent lower in 2008-2012 than in 2001-2005.

Sussex County's black IMR dropped to 11.1 in 2008-2012, its lowest rate since 1996-2000, and a 42 percent reduction from the 2001-2005 peak of 19. Sussex County's white IMR has fluctuated between five and six since 1999-2003, and in 2008-2012 the rate moved down to 3.6 infant deaths per 1,000 births.



## INFANT MORTALITY- Leading Causes of Death

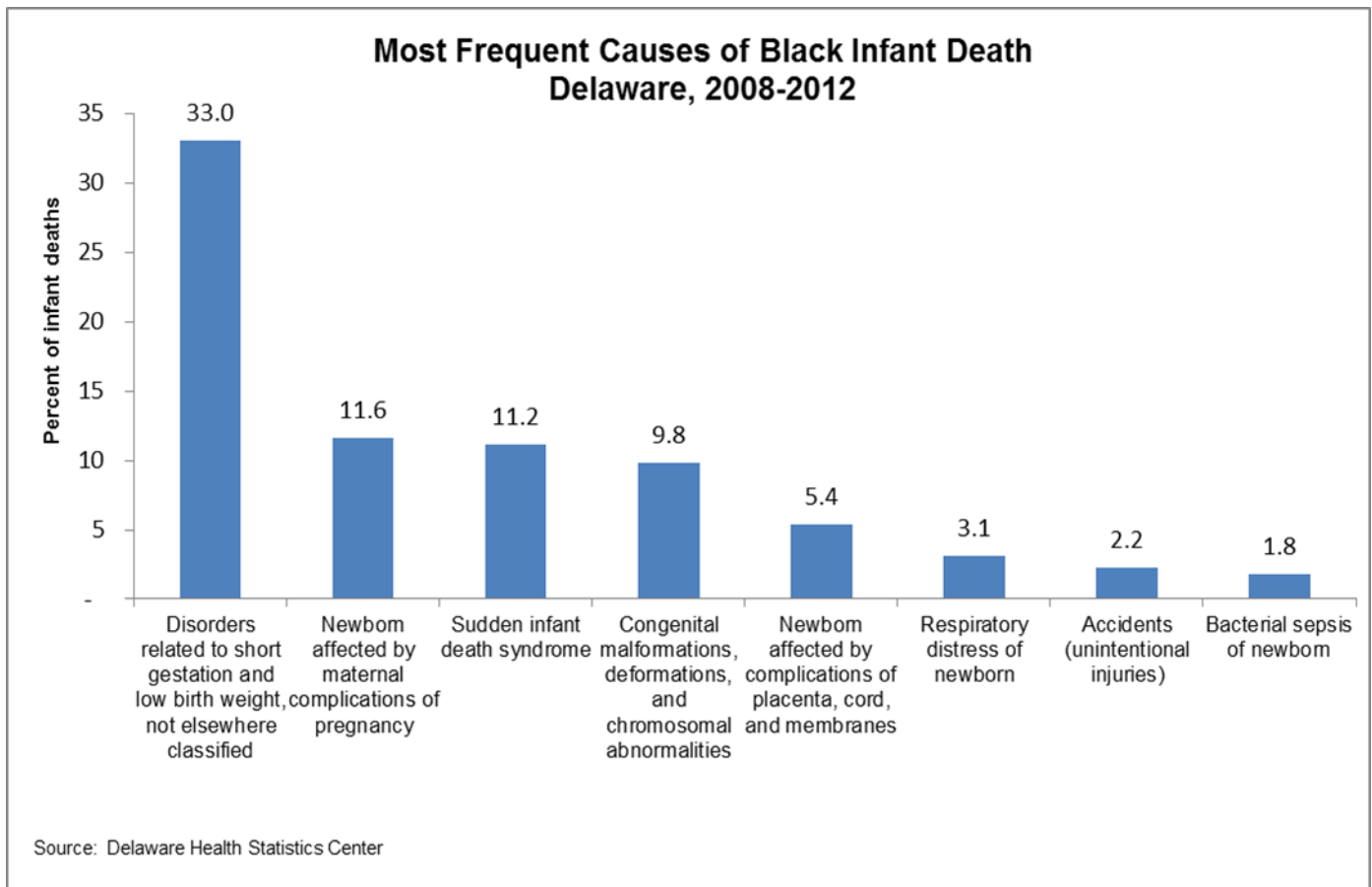
In 2008-2012 the five leading causes of infant death were:

- Disorders related to short gestation and fetal malnutrition (prematurity and low birthweight), which accounted for 24.9 percent of infant deaths.
- Congenital anomalies (birth defects), which accounted for 15.8 percent of infant deaths.
- Sudden infant death syndrome (SIDS), which accounted for 11.0 percent of infant deaths.
- Newborns affected by maternal complications of pregnancy, which accounted for 9.5 percent of infant deaths. Of the 44 deaths attributed to this cause, 39 were due to the newborn being affected by incompetent cervix and premature rupture of membranes.
- Newborn affected by complications of placenta, cord, and membranes (4.8 percent).

In sum, the five most common causes of infant death accounted for 66.0 percent, or 305 of the 462 total infant deaths.

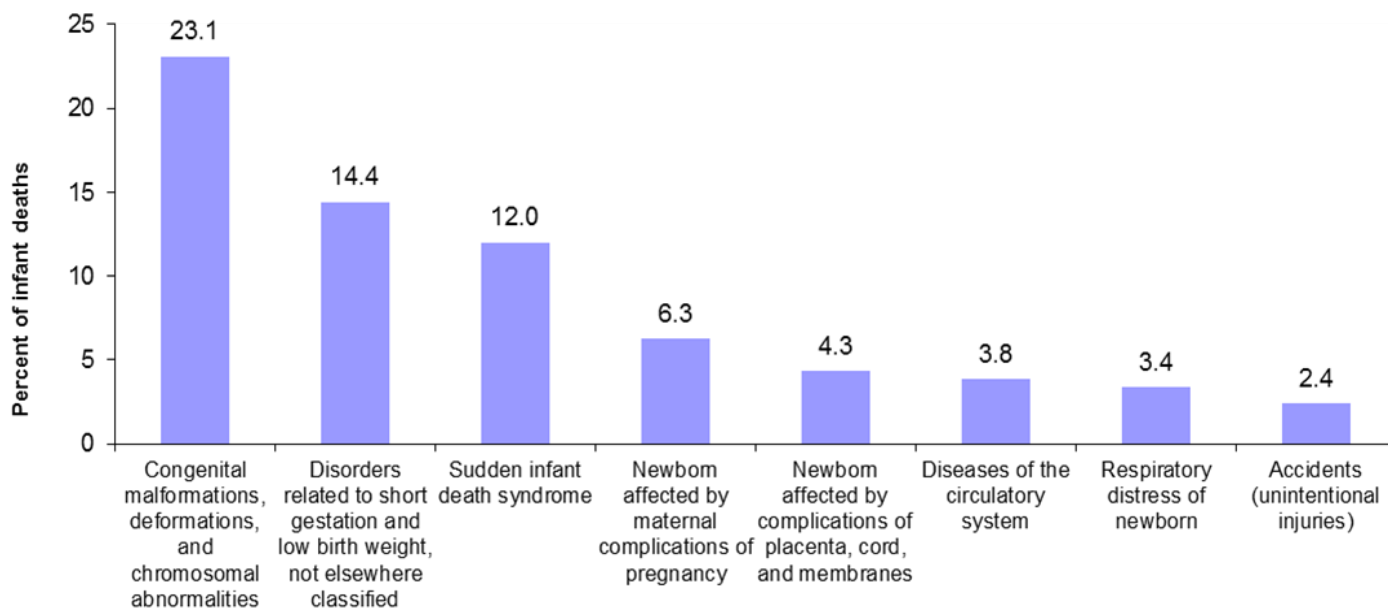
The most frequent causes of death by race are shown in the graphs below and on the following page. SIDS and disorders related to short gestation and low birthweight were listed in the top three most frequent causes of death for both black and white infants.

Though the proportions of deaths by race were similar for many of the causes of death, notable exceptions were birth defects and disorders due to prematurity and low birthweight. While birth defects were responsible for 23.1 percent of all white infant deaths, they accounted for only 9.8 percent of black infant deaths. Conversely, infant deaths due to disorders related to prematurity and low birthweight accounted for larger percentages of black infant deaths than white infant deaths (33.0 versus 14.4 percent).



## INFANT MORTALITY- Leading Causes of Death

### Most Frequent Causes of White Infant Death Delaware, 2008-2012

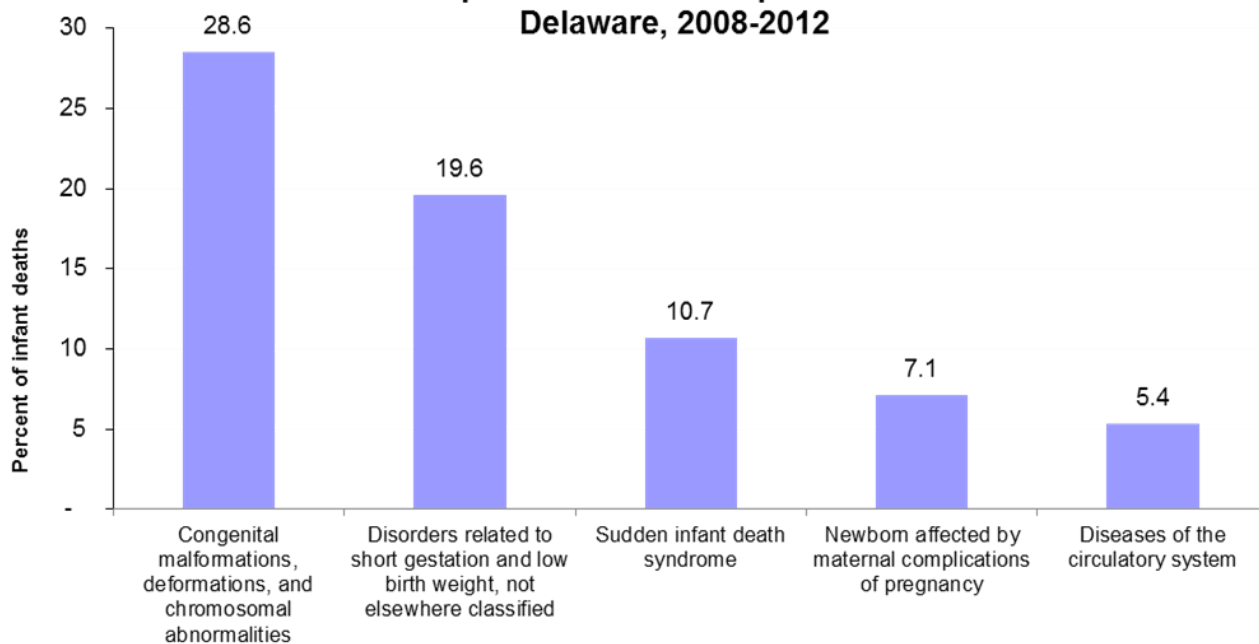


Source: Delaware Health Statistics Center

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 have nearly quadrupled. In the most recent five-year period, 2008-2012, 13.6 percent of all live births were to Hispanic mothers, and 12.1 percent of all infant deaths were of Hispanic origin.

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

### Most Frequent Causes of Hispanic Infant Death Delaware, 2008-2012



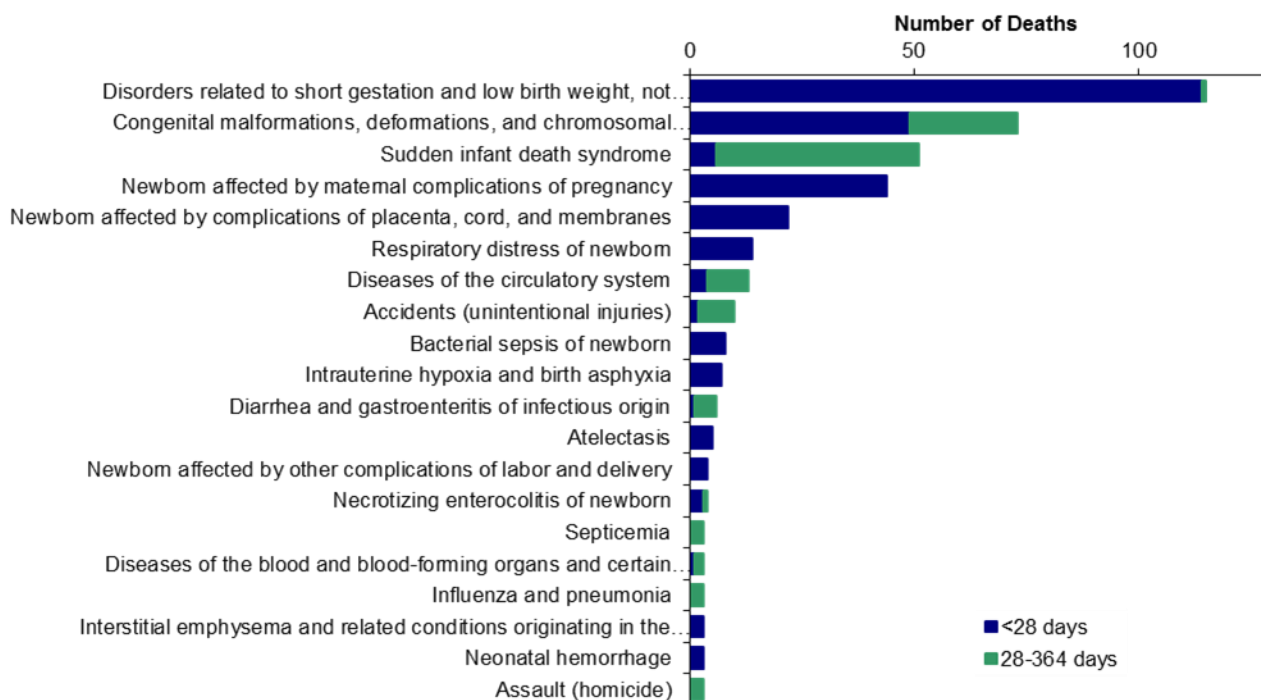
Source: Delaware Health Statistics Center

## INFANT MORTALITY - Leading Causes of Death

Approximately 90 percent of all infant deaths occurred within the first six months of life; 71 percent of all infant deaths occurred within the first 28 days of life, and 45 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, 2008-2012**



Source: Delaware Health Statistics Center

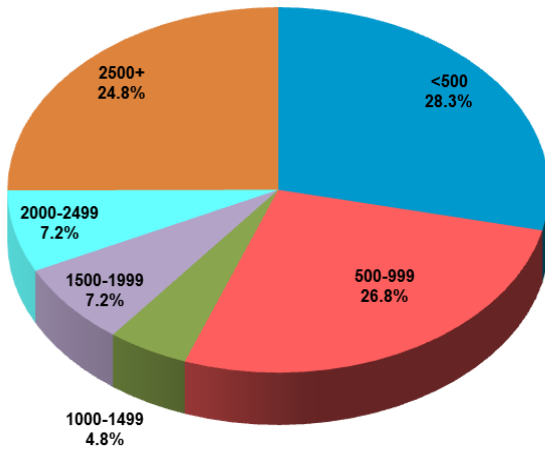
- Prematurity and low birthweight accounted for the greatest number of infant deaths in 2008-2012; all but one of these deaths occurred in the neonatal period.
- Sudden infant death syndrome (SIDS) was the only one of the top five causes of death that had the majority of deaths occurring in the postneonatal period, with a mean age at death of 105 days. Though fewer infants died in 2008-2012 compared to 2007-2011, the same amount of infants died due to SIDS, which remained to be the third leading cause of infant death in 2008-2012.
  - ⇒ 43 percent (22 out of 51) 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 12 additional infant deaths, coded under a different cause of death, that were associated with co-sleeping and/or sleeping on a soft surface. In total, 7.3 percent of all infant deaths in 2008-2012 were associated with co-sleeping and/or unsafe sleep practices.

## INFANT MORTALITY - Live Birth Cohort

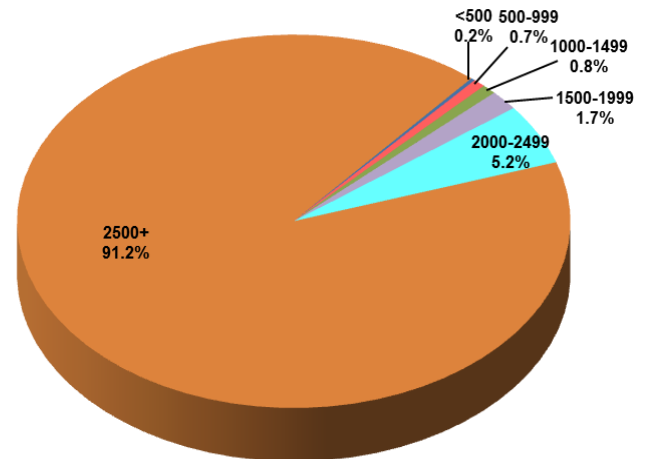
Though only 1 percent of all live births in 2007-2011 were infants weighing less than 1,000 grams, they accounted for over half (55 percent) of all infant deaths. In total, 9 percent of all live births in 2007-2011 were infants of low birthweight (under 2,500 grams) and 74 percent of infant deaths were low birthweight.

### Distribution by Birthweight, Delaware Live Birth Cohort, 2007-2011

Infant Deaths



Live Births



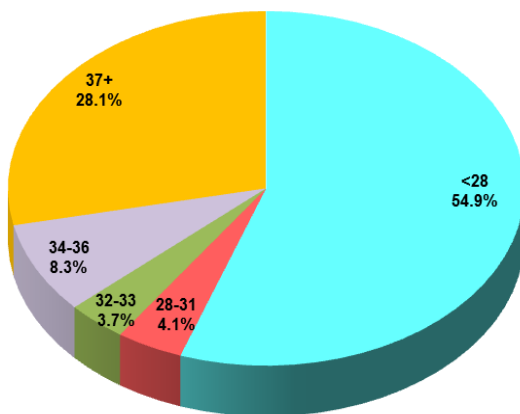
Source: Delaware Health Statistics Center

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.

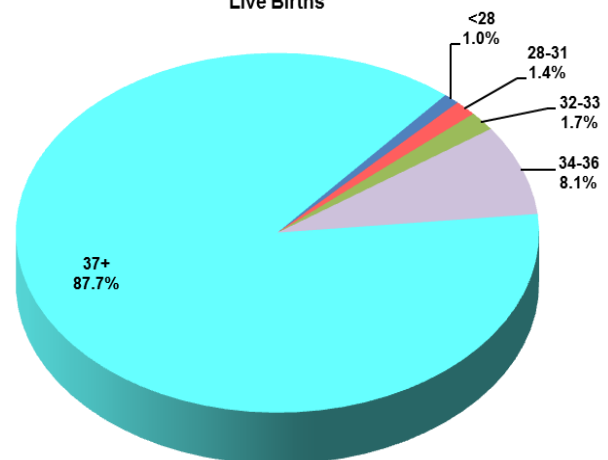
One percent of live births in 2007-2011 were less than 28 weeks gestation at birth, but they accounted for 55 percent of all infant deaths. In total, 12 percent of all live births in 2007-2011 were born preterm (<37 weeks of gestation) and 71 percent of infant deaths were born preterm.

### Distribution by Gestation, Delaware Live Birth Cohort, 2007-2011

Infant Deaths



Live Births



Source: Delaware Health Statistics Center



## INFANT MORTALITY - Live Birth Cohort

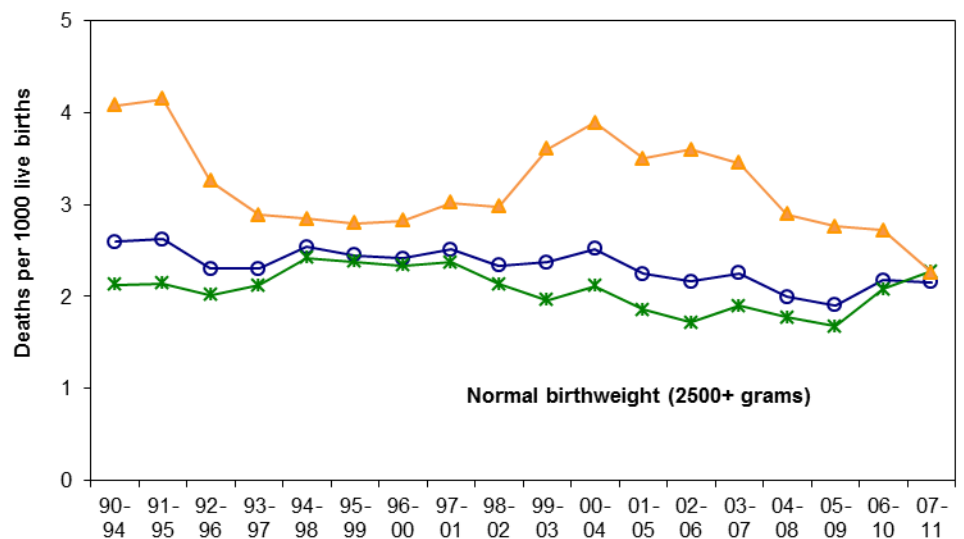
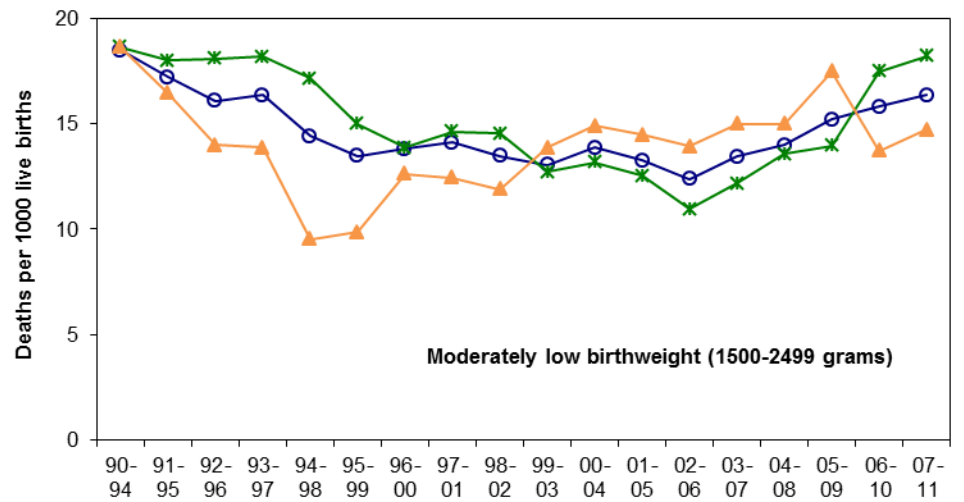
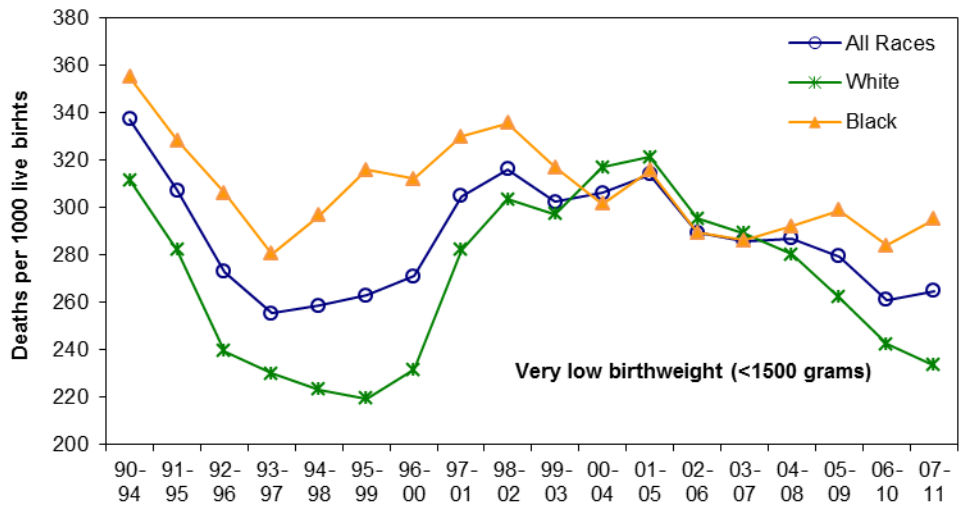
Birthweight and gestation are considered to be the most important predictors of infant health and mortality risk. Infants born too small or too early have a much greater risk of mortality than those who reach a normal birthweight (2500+ grams) or full-term gestation (37+ weeks).

The IMR for very low birthweight (VLBW) black infants increased in 2007-2011 after decreasing since 2005-2009. The IMR for VLBW white infants steadily decreased since 2002-2006. In 2007-2011, IMRs for white and black VLBW infants were 233 and 295 infant deaths per 1,000 live births.

IMRs for moderately LBW infants of all races rose 17 percent between 2000-2004 and 2007-2011. During that time, white IMRs increased 38 percent while the black IMR decreased by only 1 percent. Black IMR rates for 2007-2011 continued to remain lower than the white rates (14.7 vs. 18.2).

The IMR for all races remained the same from 2006-2010 to 2007-2011. IMRs for normal birthweight white infants experienced an increase of 10 percent since 2000-2004. The IMRs for black infants declined 41 percent between 2000-2004 and 2007-2011. The divergent movement in black and white rates in the 2007-2011 period narrowed the black/white disparity ratio. In 2007-2011, the black IMR was equal to the white IMR for normal birthweight infants.

Five-year Average Infant Mortality Rate by Birthweight and Race  
Delaware, 1990-2011 Live Birth Cohort

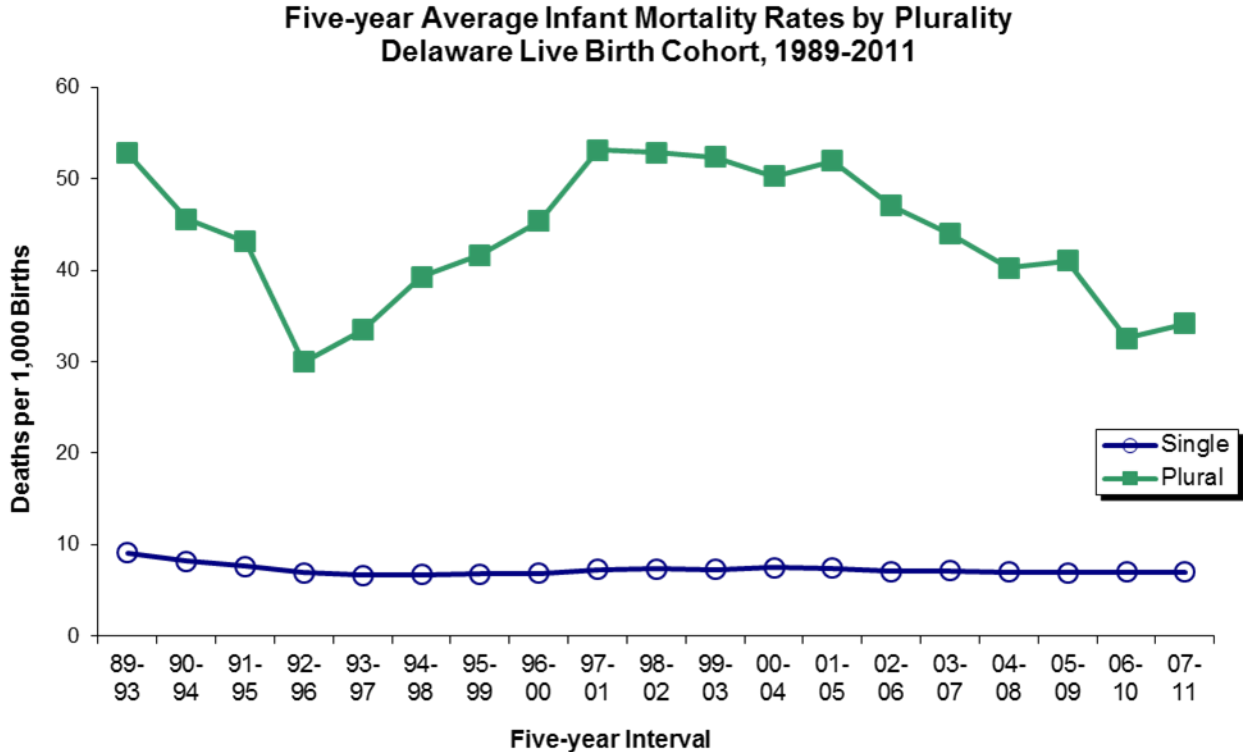


Source: Delaware Health Statistics Center

—○— All Races —\*— White —▲— Black

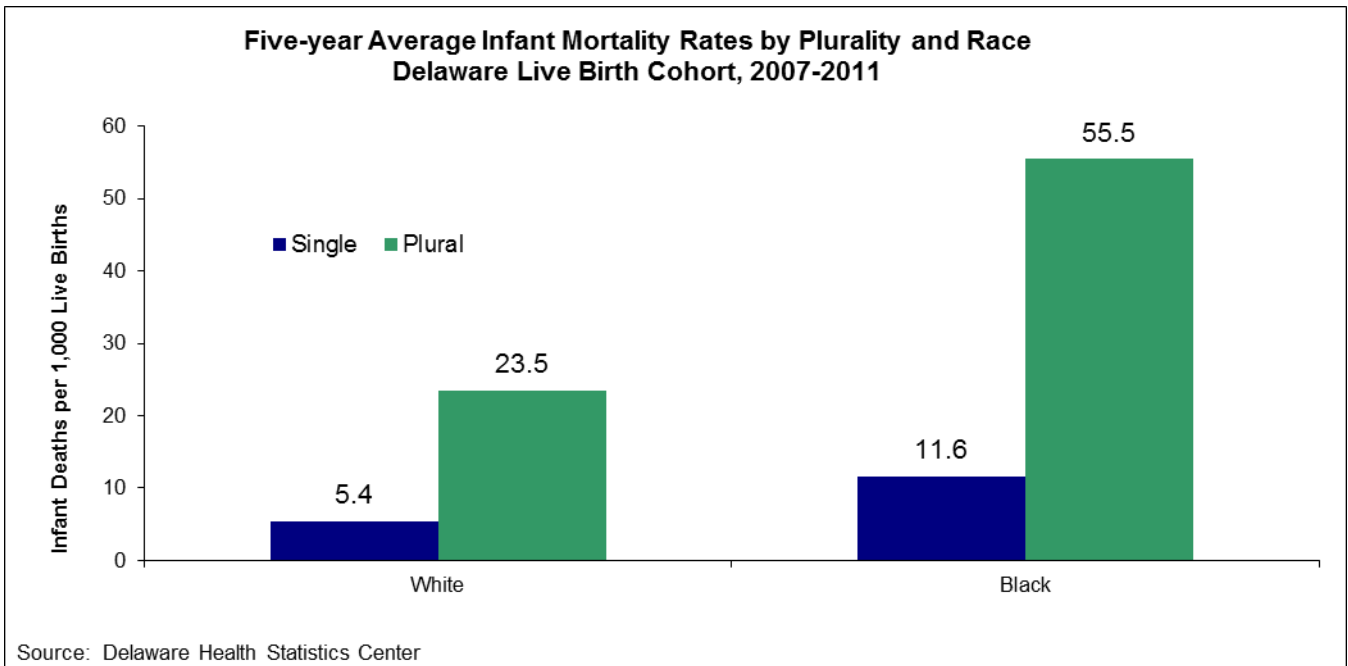
## INFANT MORTALITY - Live Birth Cohort

From 1992-1996 to 1997-2001, IMRs for plural births increased 77 percent, to 53.1 deaths per 1,000 live births. During the same time, IMRs for singleton births increased by 4 percent. Since then, plural IMRs decreased 36 percent, with a slight increase (5 percent) occurring in the most recent time period. IMRs for singleton births experienced a slight decrease of 4 percent. In 2007-2011, the infant mortality rate for plural births was 4.9 times that of singleton births (34 versus 7).



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.



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, 1995-2012

Area/ Race	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>U.S.</b>																		
All Races	29583	28237	28045	28371	27937	28035	27568	28034	28025	27936	28440	28527	29138	28059	26412	24586	23910*	23654*
White	19490	18749	18539	18561	18067	18144	17955	18369	18440	18231	18514	18403	18807	18164	16817	15954	15438*	15264*
Black	9118	8490	8496	8726	8822	8771	8498	8524	8402	8494	8695	8858	8944	8543	8312	7401	7234*	6896*
Other	975	998	1010	1084	1048	1120	1115	1141	1183	1211	1231	1266	1387	1352	1283	1231	1238*	1494*
<b>Delaware</b>																		
All Races	79	77	81	103	81	102	114	96	107	97	106	99	91	101	91	88	98	84
White	46	43	42	54	31	65	60	57	53	51	48	50	52	49	30	47	48	34
Black	32	32	36	49	49	37	53	35	53	44	55	44	38	52	54	36	38	44
Other	1	2	3	0	1	0	1	4	1	2	3	5	1	0	7	5	12	6
<b>Kent</b>																		
All Races	18	17	14	18	10	21	19	27	16	17	21	13	9	18	18	15	17	17
White	10	11	4	13	4	16	10	22	8	8	6	7	4	10	6	12	13	7
Black	7	6	10	5	6	5	9	5	8	8	14	5	4	8	12	3	3	10
Other	1	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0
<b>New Castle</b>																		
All Races	45	48	48	65	61	67	72	55	78	60	68	68	60	70	57	58	74	58
White	24	21	26	27	22	40	37	30	37	33	35	31	33	32	18	24	29	24
Black	21	26	20	38	38	27	35	22	40	27	31	35	27	38	34	30	34	28
Other	0	1	2	0	1	0	0	3	1	0	2	2	0	0	5	4	11	6
Wilmington																		
All Races	11	19	14	18	20	16	17	12	18	12	18	16	17	19	18	18	17	20
White	2	1	4	2	4	4	2	2	4	4	3	2	3	7	0	4	2	8
Black	9	18	10	16	16	12	15	10	14	8	15	14	14	12	16	13	15	11
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1
Balance of NC County																		
All Races	34	29	34	47	41	51	55	43	60	48	50	52	43	51	39	40	57	38
White	22	20	22	25	18	36	35	28	33	29	32	29	30	25	18	20	27	16
Black	12	8	10	22	22	15	20	12	26	19	16	21	13	26	18	17	19	17
Other	0	1	2	0	1	0	0	3	1	0	2	2	0	0	3	3	11	5
<b>Sussex</b>																		
All Races	16	12	19	20	10	14	23	14	13	20	17	18	22	13	16	15	7	9
White	12	11	12	14	5	9	13	5	8	10	7	12	15	7	6	11	6	3
Black	4	0	6	6	5	5	9	8	5	9	10	4	7	6	8	3	1	6
Other	0	1	1	0	0	0	1	1	0	1	0	2	0	0	2	1	0	0

**Notes:**

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

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

INFANT1

TABLE E-2  
NUMBER OF NEONATAL DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1995-2012

Area/ Race	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>U.S.</b>																		
All Races	19155	18326	18524	18918	18728	18776	18265	18749	18893	18593	18770	18989	19058	18211	17255	16188	15954*	15886*
White	12644	12252	12269	12406	12164	12201	12013	12354	12495	12238	12239	12302	12333	11843	11054	10612	10422*	10267*
Black	5940	5483	5637	5824	5920	5843	5585	5646	5640	5495	5740	5876	5842	5523	5374	4769	4719*	4610*
Other	571	591	618	688	644	732	667	749	758	860	791	811	883	845	827	807	813*	1009*
<b>Delaware</b>																		
All Races	47	53	55	74	58	71	82	79	75	63	79	72	65	68	66	58	73	66
White	26	28	26	33	21	45	44	48	36	33	36	36	37	32	19	27	30	25
Black	20	24	27	41	37	26	37	28	38	28	40	33	28	36	40	26	35	35
Other	1	1	2	0	0	0	1	3	1	2	3	3	0	0	7	5	8	6
<b>Kent</b>																		
All Races	10	13	10	9	8	15	15	22	8	11	14	7	6	12	14	11	13	12
White	6	7	1	6	3	11	10	18	3	5	3	4	3	7	4	9	9	4
Black	3	6	9	3	5	4	5	4	5	5	10	3	3	5	10	2	3	8
Other	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0
<b>New Castle</b>																		
All Races	26	33	33	47	44	50	54	47	56	39	54	52	43	48	42	36	57	47
White	12	14	19	15	14	29	27	26	27	21	28	22	23	20	13	9	18	20
Black	14	18	13	32	30	21	27	19	28	18	24	28	20	28	24	23	32	21
Other	0	1	1	0	0	0	0	2	1	0	2	2	0	0	5	4	7	6
Wilmington																		
All Races	6	14	6	12	14	13	14	9	10	9	15	12	10	10	14	10	14	18
White	0	1	3	1	2	4	1	1	1	3	3	1	1	3	0	0	1	8
Black	6	13	3	11	12	9	13	8	9	6	12	11	9	7	12	9	13	9
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1
Balance of NC County																		
All Races	20	19	27	35	30	37	40	38	46	30	39	40	33	38	28	26	43	29
White	12	13	16	14	12	25	26	25	26	18	25	21	22	17	13	9	17	12
Black	8	5	10	21	18	12	14	11	19	12	12	17	11	21	12	14	19	12
Other	0	1	1	0	0	0	0	2	1	0	2	2	0	0	3	3	7	5
<b>Sussex</b>																		
All Races	11	7	12	18	6	6	13	10	11	13	11	13	16	8	10	11	3	7
White	8	7	6	12	4	5	7	4	6	7	5	10	11	5	2	9	3	1
Black	3	0	5	6	2	1	5	5	5	5	6	2	5	3	6	1	0	6
Other	0	0	1	0	0	0	1	1	0	1	0	1	0	0	2	1	0	0

**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, 1995-2012

Area/ Race	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>U.S.</b>																		
All Races	10428	9911	9521	9453	9209	9259	9303	9285	9132	9343	9670	9538	10080	9848	9157	8398	7956*	7768*
White	6846	6497	6270	6155	5903	5943	5942	6015	5945	5993	6275	6101	6474	6321	5763	5342	5016*	4997*
Black	3178	3007	2859	2902	2902	2928	2913	2878	2762	2999	2955	2982	3102	3020	2938	2632	2515*	2286*
Other	404	407	392	396	404	388	448	392	425	351	440	455	504	507	456	424	425*	485*
<b>Delaware</b>																		
All Races	32	24	26	29	23	31	32	17	32	34	27	27	26	33	25	30	25	18
White	20	15	16	21	10	20	16	9	17	18	12	14	15	17	11	20	18	9
Black	12	8	9	8	12	11	16	7	15	16	15	11	10	16	14	10	3	9
Other	0	1	1	0	1	0	0	1	0	0	0	2	1	0	0	0	4	0
<b>Kent</b>																		
All Races	8	4	4	9	2	6	4	5	8	6	7	6	3	6	4	4	4	5
White	4	4	3	7	1	5	0	4	5	3	3	3	1	3	2	3	4	3
Black	4	0	1	2	1	1	4	1	3	3	4	2	1	3	2	1	0	2
Other	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
<b>New Castle</b>																		
All Races	19	15	15	18	17	17	18	8	22	21	14	16	17	22	15	22	17	11
White	12	7	7	12	8	11	10	4	10	12	7	9	10	12	5	15	11	4
Black	7	8	7	6	8	6	8	3	12	9	7	7	7	10	10	7	2	7
Other	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0
Wilmington																		
All Races	5	5	8	6	6	3	3	3	8	3	3	4	7	9	4	8	3	2
White	2	0	1	1	2	0	1	1	3	1	0	1	2	4	0	4	1	0
Black	3	5	7	5	4	3	2	2	5	2	3	3	5	5	4	4	2	2
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	14	10	7	12	11	14	15	5	14	18	11	12	10	13	11	14	14	9
White	10	7	6	11	6	11	9	3	7	11	7	8	8	8	5	11	10	4
Black	4	3	0	1	4	3	6	1	7	7	4	4	2	5	6	3	0	5
Other	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	4	4	0
<b>Sussex</b>																		
All Races	5	5	7	2	4	8	10	4	2	7	6	5	6	5	6	4	4	2
White	4	4	6	2	1	4	6	1	2	3	2	2	4	2	4	2	3	2
Black	1	0	1	0	3	4	4	3	0	4	4	2	2	3	2	2	1	0
Other	0	1	0	0	0	0	0	0	0	0	0	1	0	0	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, 1992-2012

Area/ Race	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	2007 -2011	2008 -2012
<b>U.S.</b>																	
All Races	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	6.4	6.2
White	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	5.4	5.3
Black	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	12.4	11.9
<b>Delaware</b>																	
All Races	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+	8.1+	8.1+
White	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	5.8	5.5
Black	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	13.8	14.4+
<b>Kent</b>																	
All Races	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	6.9	7.6
White	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	5.9	6.3
Black	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	9.4	11.5
<b>New Castle</b>																	
All Races	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	9.1	9.3
White	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	6.2	5.9
Black	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	15.6	16.1
Wilmington																	
All Races	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	14.8	16.1
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9.8
Black	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	19.1	19.3
Balance of NC County																	
All Races	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	7.9	7.9
White	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	6.0	5.5
Black	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	13.8	14.4
<b>Sussex</b>																	
All Races	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	6.2	5.2
White	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	5.0	3.6
Black	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	11.2	11.1

**Notes:**

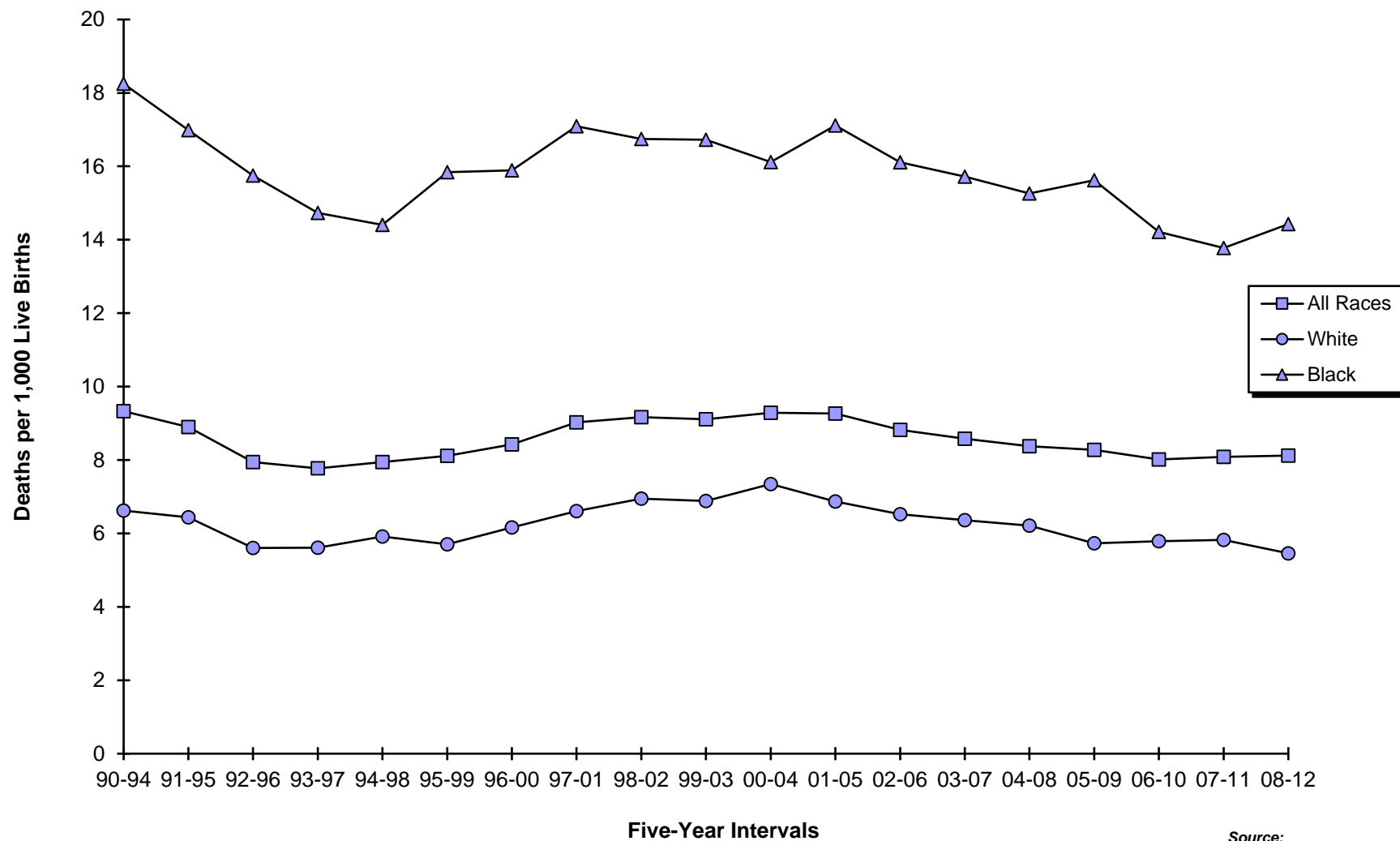
1. 2006-2010 U.S. data are based on NCHS estimates.
2. Infant mortality rates represent the number of deaths of children under one year of age per 1000 live births.
3. '+' indicates that the Delaware rate is significantly higher than the U.S. rate.
4. '-' indicates that the Delaware rate is significantly 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

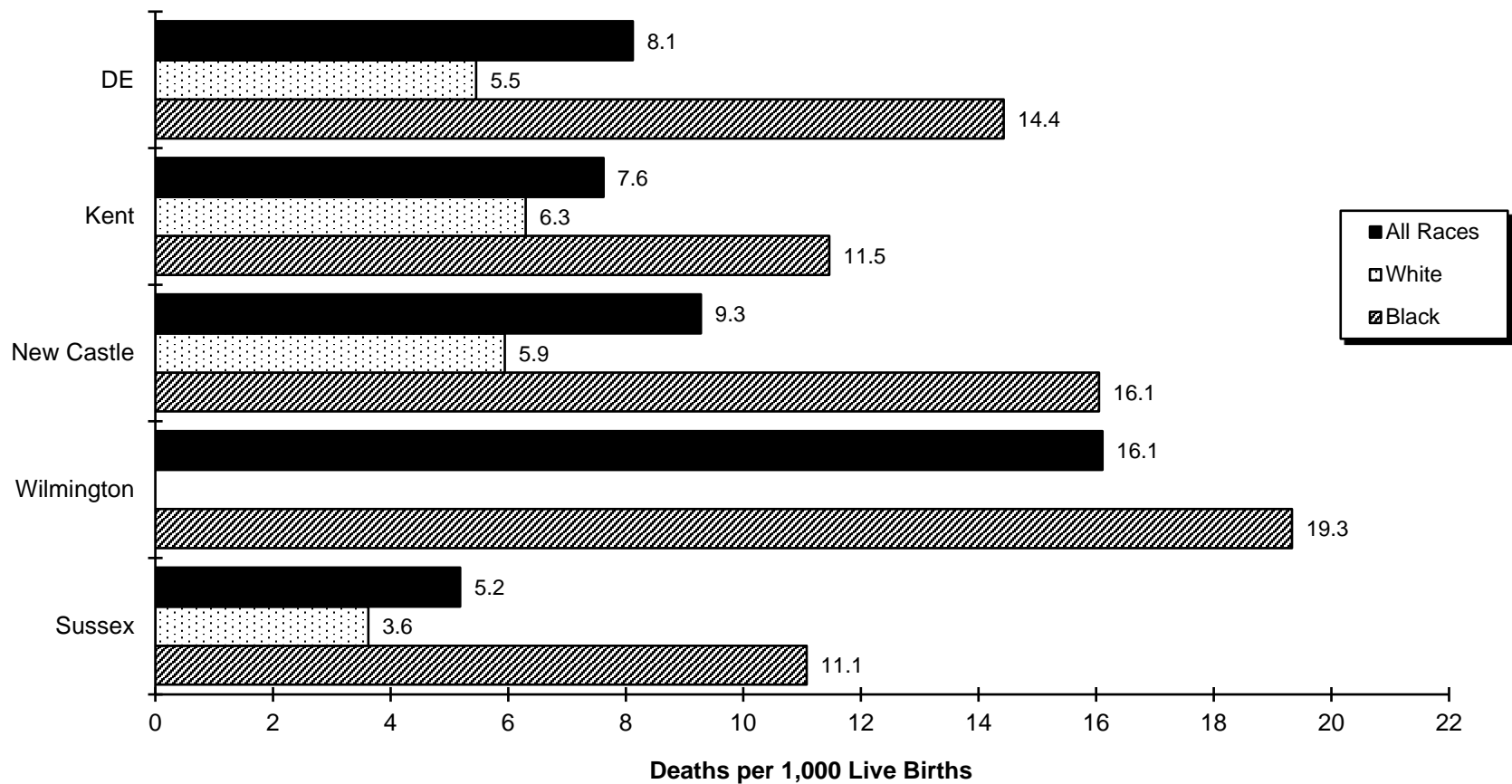
**Figure E-1**  
**Five-Year Average Infant Mortality Rates by Race**  
**Delaware, 1990-2012**



*Source:*  
 Delaware Health Statistics Center



**Figure E-2**  
**Five-Year Average Infant Mortality Rates by Race**  
**Delaware, Counties and the City of Wilmington, 2008-2012**



Source:  
 Delaware Health Statistics Center

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1992-2012

Area/ Race	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	2007 -2011	2008 -2012
<b>U.S.</b>																	
All Races	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	4.2	4.1
White	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	3.5	3.5
Black	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	8.0	7.7
<b>Delaware</b>																	
All Races	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+	5.7+	5.8+
White	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	3.7	3.5
Black	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+	10.4+	11.1+
<b>Kent</b>																	
All Races	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	5.0	5.6
White	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	4.2	4.3
Black	---	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	7.2	8.9
<b>New Castle</b>																	
All Races	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	6.4	6.7
White	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	3.8	3.7
Black	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	12.2	12.5
Wilmington																	
All Races	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	9.7	11.6
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	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	13.6	14.4
Balance of NC County																	
All Races	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	5.8	5.8
White	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	3.9	3.5
Black	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	11.4	11.6
<b>Sussex</b>																	
All Races	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	4.1	3.4
White	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	3.3	2.2
Black	---	---	---	---	---	---	---	---	9.9	12.1	10.8	10.3	9.3	9.8	---	---	---

INFANT5

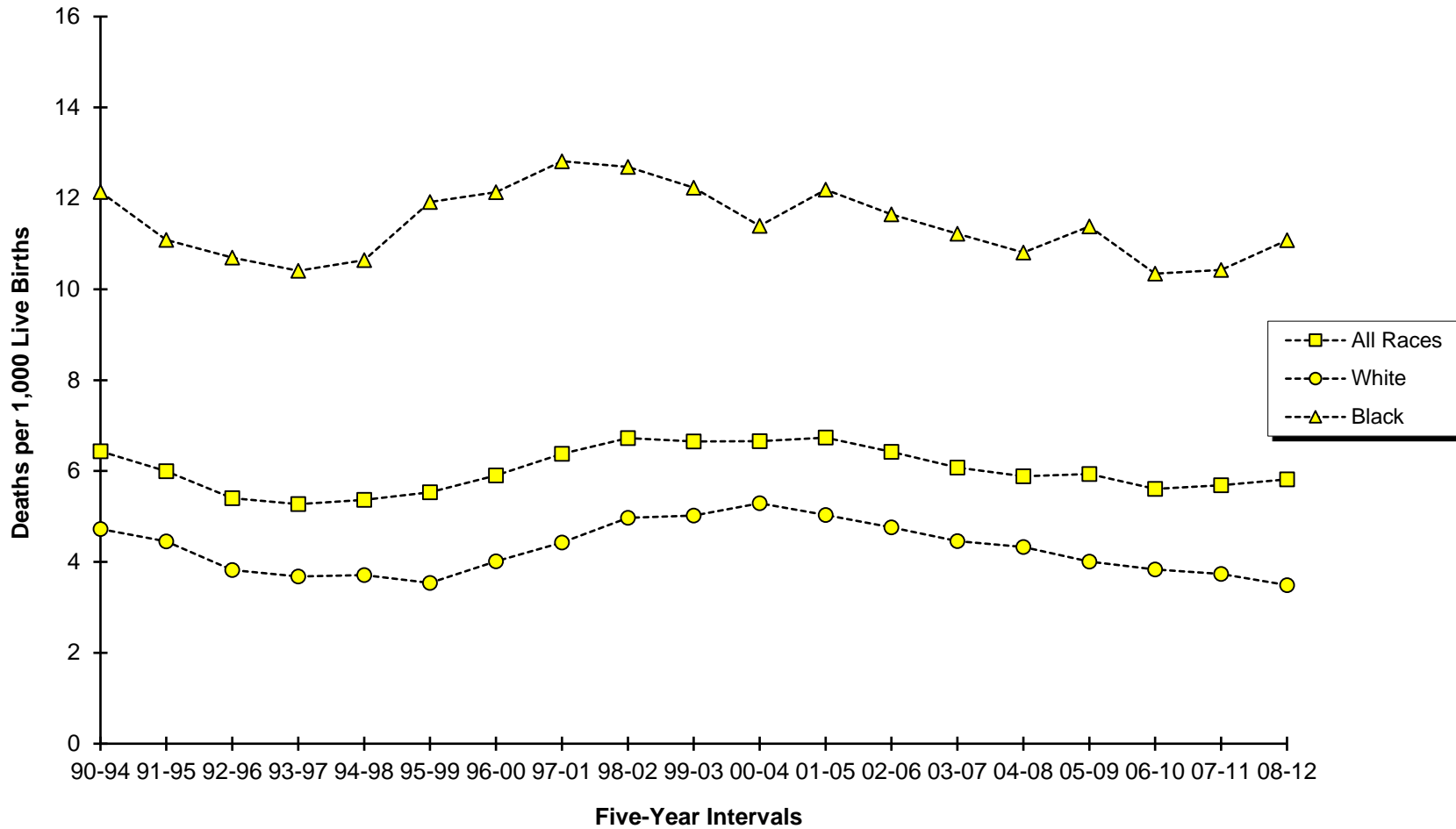
**Notes:**

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, 1990-2012**



*Source:*  
 Delaware Health Statistics Center

TABLE E-6  
 FIVE-YEAR AVERAGE POSTNEONATAL MORTALITY RATES BY RACE  
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1992-2012

Area/ Race	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	2007 -2011	2008 -2012
<b>U.S.</b>																	
All Races	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	2.2	2.1
White	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	1.8	1.8
Black	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	4.3	4.1
<b>Delaware</b>																	
All Races	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	2.4	2.3
White	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	2.1	2.0
Black	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	3.3-	3.3
<b>Kent</b>																	
All Races	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	1.9	2.1
White	3.0	3.1	3.7	---	2.9	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>New Castle</b>																	
All Races	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	2.7	2.5
White	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	2.4	2.2
Black	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	3.5	3.5
Wilmington																	
All Races	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	5.2	4.6
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	6.3	6.5	6.6	6.3	6.2	5.5	---	---	---	---	---	---	---	5.1	5.5	5.5	---
Balance of NC County																	
All Races	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	2.1	2.1
White	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	2.1	2.0
Black	---	---	---	---	---	---	---	4.0	4.4	4.4	4.0	4.0	3.5	3.3	3.1	---	---
<b>Sussex</b>																	
All Races	2.9	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	2.1	1.8
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

INFANT6

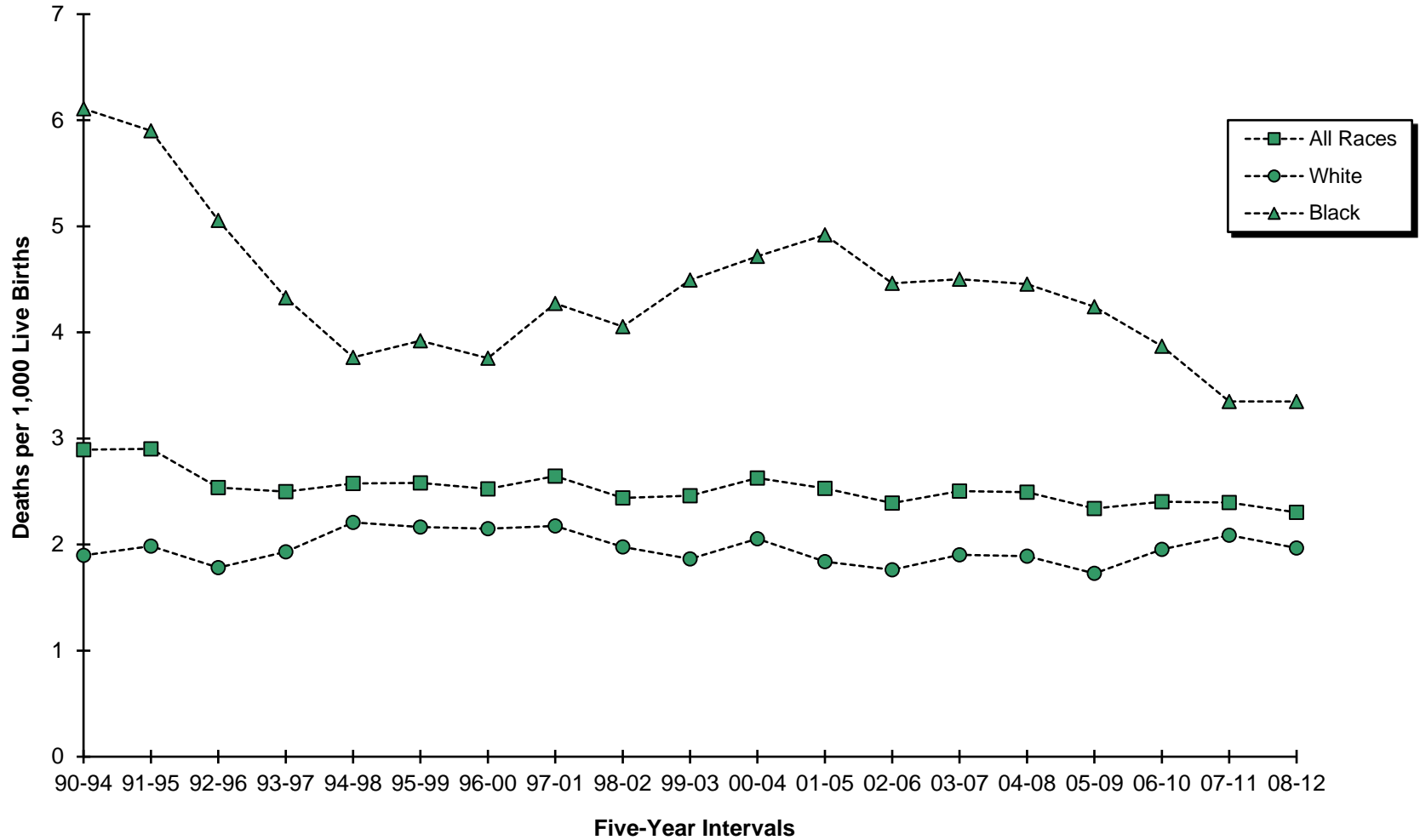
**Notes:**

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.

**Sources:**

National Center for Health Statistics  
 Delaware Health Statistics Center

**Figure E-4**  
**Five-Year Average Postneonatal Mortality Rates by Race**  
**Delaware, 1990-2012**



*Source:*  
 Delaware Health Statistics Center

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

DELAWARE, 2007-2011 LIVE BIRTH COHORT

Risk Factor	Race		
	All Races	White	Black
<b>Birth Weight of Child</b>			
<2500	67.1	54.9	85.9
<1500	264.7	233.3	295.1
1500-2499	16.3	18.2	14.7
2500+	2.2	2.3	2.3
<b>Age of Mother</b>			
<20	10.2	6.6	14.5
20-24	8.9	6.5	13.6
25-29	7.5	6.0	12.4
30+	7.0	5.6	13.5
<b>Marital Status of Mother</b>			
Married	5.9	5.1	12.0
Single	10.1	7.4	13.9
<b>Education of Mother</b>			
<12 years	9.1	6.8	15.1
H.S. diploma	10.8	8.5	14.6
1+ years college	5.8	4.6	10.8
<b>Interval Since Last Live Birth</b>			
<18 months	8.3	---	12.9
18+ months	5.7	4.8	8.3

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, 2007-2011 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	111	0	2	2	115	96.5	96.5
Congenital malformations, deformations, and chromosomal abnormalities	10	22	37	0	69	14.5	46.4
Sudden infant death syndrome	1	11	36	0	48	2.1	25.0
Newborn affected by maternal complications of pregnancy	40	2	0	0	42	95.2	100.0
Newborn affected by complications of placenta, cord, and membranes	22	0	1	0	23	95.7	95.7
Respiratory distress of newborn	12	1	1	0	14	85.7	92.9
Diseases of the circulatory system	0	6	7	0	13	0.0	46.2
Accidents (unintentional injuries)	2	2	5	0	9	22.2	44.4
Bacterial sepsis of newborn	6	1	0	0	7	85.7	100.0
Diarrhea and gastroenteritis of infectious origin	5	0	1	0	6	83.3	83.3
Septicemia	3	1	2	0	6	50.0	66.7
Intrauterine hypoxia and birth asphyxia	4	0	1	1	6	66.7	66.7
Gastritis, duodenitis, and noninfective enteritis and colitis	4	1	0	0	5	80.0	100.0
Newborn affected by other complications of labor and delivery	5	0	0	0	5	100.0	100.0
Neonatal hemorrhage	5	0	0	0	5	100.0	100.0
Atelectasis	4	0	0	0	4	100.0	100.0
Assault (homicide)	0	1	3	0	4	0.0	25.0
involving the immune mechanism	0	1	1	1	3	0.0	33.3
Influenza and pneumonia	0	0	3	0	3	0.0	0.0
Interstitial emphysema and related conditions originating in the perinatal period	3	0	0	0	3	100.0	100.0
All other causes	34	6	29	0	69	49.3	58.0
<b>TOTAL</b>	<b>271</b>	<b>55</b>	<b>129</b>	<b>4</b>	<b>459</b>	<b>59.0</b>	<b>71.0</b>

**Notes:**

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

**Source:**

Delaware Health Statistics Center

INFLCOD

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

DELAWARE LIVE BIRTH COHORT, 1992-2011

Parameter/ Race	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	2007 -2011
<b>BIRTHWEIGHT</b>																
<b>2500+</b>																
All Races	2.3	2.3	2.5	2.4	2.4	2.5	2.3	2.4	2.5	2.2	2.2	2.3	2.0	1.9	2.2	2.2
White	2.0	2.1	2.4	2.4	2.3	2.4	2.1	2.0	2.1	1.9	1.7	1.9	1.8	1.7	2.1	2.3
Black	3.3	2.9	2.8	2.8	2.8	3.0	3.0	3.6	3.9	3.5	3.6	3.5	2.9	2.8	2.7	2.3
<b>&lt;2500</b>																
All Races	68.7	65.4	64.8	66.5	69.5	75.2	76.4	74.2	73.1	74.5	69.9	68.8	69.2	70.6	65.5	67.1
White	58.4	56.9	55.4	53.9	55.9	63.2	68.7	67.4	68.8	68.4	64.3	60.8	60.0	58.5	55.6	54.9
Black	85.3	78.9	78.8	86.0	88.2	93.7	90.5	88.3	83.0	88.0	80.9	82.2	83.9	89.5	81.6	85.9
<b>&lt;1500</b>																
All Races	272.9	255.2	258.5	262.7	270.9	304.8	316.2	302.4	306.2	313.9	289.4	285.8	286.8	279.3	260.8	264.7
White	239.3	229.8	223.2	219.3	231.5	281.9	303.4	297.2	316.8	321.2	295.3	289.0	280.2	262.0	242.2	233.3
Black	306.1	280.3	296.8	315.8	312.1	329.8	335.5	317.0	301.5	315.7	289.4	286.0	291.9	298.9	283.9	295.1
<b>GESTATION</b>																
<b>37+ weeks</b>																
All Races	2.3	2.4	2.6	2.6	2.5	2.5	2.3	2.3	2.4	2.2	2.2	2.3	2.0	2.0	2.4	2.6
White	2.2	2.3	2.6	2.6	2.4	2.3	2.1	1.9	2.0	1.7	1.8	1.9	1.8	1.8	2.4	2.7
Black	2.8	2.8	2.8	2.7	2.8	3.1	2.9	3.7	4.0	3.4	3.4	3.4	2.9	2.7	2.8	2.7
<b>&lt;37 weeks</b>																
All Races	50.3	47.1	45.6	45.9	48.2	53.0	54.3	52.8	52.6	53.5	49.1	47.1	47.0	47.3	43.6	44.3
White	38.1	37.2	35.4	33.6	35.7	41.8	45.5	45.1	46.5	45.2	40.5	37.5	36.2	34.9	33.0	32.3
Black	72.3	65.3	64.1	69.6	70.5	73.5	72.5	70.5	67.7	72.7	68.2	66.9	68.3	71.1	64.0	66.3
<b>&lt;32 weeks</b>																
All Races	212.4	196.5	199.8	201.3	214.9	238.1	249.6	238.7	239.4	249.1	232.4	220.4	220.4	216.9	195.0	195.7
White	186.3	177.7	179.4	174.0	191.5	228.4	249.2	238.2	244.0	248.3	223.0	202.7	193.2	184.8	159.9	153.0
Black	239.1	215.4	222.2	235.6	238.7	250.4	255.4	246.3	239.8	259.4	250.0	246.4	255.2	258.8	237.4	240.9
<b>PLURALITY</b>																
<b>Single</b>																
All Races	7.0	6.7	6.7	6.8	6.9	7.3	7.3	7.3	7.5	7.4	7.1	7.2	7.0	7.0	7.0	7.0
White	5.0	5.0	5.1	5.1	4.9	5.2	5.4	5.2	5.6	5.4	5.1	5.2	5.2	4.9	5.4	5.4
Black	13.3	12.1	11.5	12.2	12.9	13.4	13.4	13.8	13.5	13.6	13.0	12.8	12.2	12.7	11.8	11.6
<b>Plural</b>																
All Races	30.0	33.5	39.3	41.6	45.4	53.1	52.9	52.3	50.3	52.0	47.0	44.0	40.3	41.0	32.6	34.2
White	24.5	28.9	30.4	28.6	35.1	43.4	48.0	50.3	49.2	49.9	44.0	36.6	29.6	30.6	23.0	23.5
Black	---	---	68.7	84.6	73.0	80.7	68.5	60.8	54.1	64.6	59.1	63.5	67.7	69.5	54.4	55.5
<b>SMOKING DURING PREGNANCY</b>																
<b>No</b>																
All Races	7.0	7.1	7.1	7.4	7.6	8.1	8.0	8.2	8.2	8.2	7.9	7.7	7.4	7.6	7.4	7.4
White	5.0	5.3	5.2	5.3	5.3	5.7	5.8	5.9	6.2	6.1	6.0	5.7	5.4	5.3	5.6	5.5
Black	13.4	12.6	12.7	14.0	14.3	15.3	14.8	15.0	14.3	14.7	13.7	13.4	13.2	13.9	12.9	12.9
<b>Yes</b>																
All Races	10.3	9.2	10.6	10.6	11.3	13.4	15.1	14.1	14.8	15.1	13.4	13.9	13.3	12.1	10.7	10.8
White	8.2	7.4	9.4	9.3	9.8	12.2	14.2	12.7	13.3	13.0	10.2	10.7	10.7	8.9	8.2	8.9
Black	18.6	16.2	15.3	16.3	17.3	18.0	18.9	19.4	19.5	22.0	23.9	23.8	21.2	21.5	17.5	15.8



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

DELAWARE LIVE BIRTH COHORT, 1992-2011

Parameter/ Race	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	2007 -2011
<b>EDUCATION</b>																
<b>HS Grad or less</b>																
All Races	9.5	9.4	9.9	10.4	10.3	11.1	11.5	11.4	11.4	11.1	10.7	10.8	10.1	10.0	10.0	10.0
White	6.9	7.2	8.0	8.0	7.8	8.4	9.1	8.8	9.1	8.7	8.3	8.4	7.8	7.6	7.7	7.6
Black	15.7	14.3	14.3	15.8	15.6	16.8	16.9	17.2	16.9	17.2	16.6	16.4	15.4	15.4	14.8	14.8
<b>1+ yrs college</b>																
All Races	5.0	4.9	4.9	4.9	5.5	6.1	6.0	6.0	6.0	6.3	5.8	5.4	5.6	5.9	5.6	5.8
White	4.0	3.9	3.7	3.6	4.1	4.6	4.7	4.7	5.0	4.5	4.5	4.1	4.2	4.1	4.3	4.6
Black	9.9	10.2	10.5	11.8	13.5	13.9	12.6	12.2	11.0	12.0	11.1	10.9	11.4	13.1	11.2	10.8
<b>PAYMENT FOR DELIVERY</b>																
<b>Medicaid</b>																
All Races	10.1	10.0	10.3	10.9	9.9	10.6	10.1	9.5	9.8	10.2	9.6	10.4	10.2	9.9	9.5	9.3
White	7.3	7.9	8.8	9.1	7.7	8.6	8.3	7.1	7.5	7.7	7.1	8.0	8.0	7.5	7.5	7.0
Black	13.8	12.9	12.7	13.6	13.1	13.8	13.0	13.3	13.7	14.7	14.0	14.4	14.1	14.1	13.0	13.3
<b>Private Insurance</b>																
All Races	5.5	5.3	5.5	5.7	6.5	6.8	7.4	7.7	7.8	7.6	7.4	6.7	6.4	6.6	6.4	6.4
White	4.4	4.2	4.2	4.3	4.9	5.2	5.7	5.9	6.1	5.8	5.6	5.0	4.6	4.5	4.7	5.0
Black	12.6	11.6	12.8	13.7	14.8	15.6	16.5	17.1	16.9	17.0	16.6	15.3	15.0	16.4	14.8	13.7

COTREND

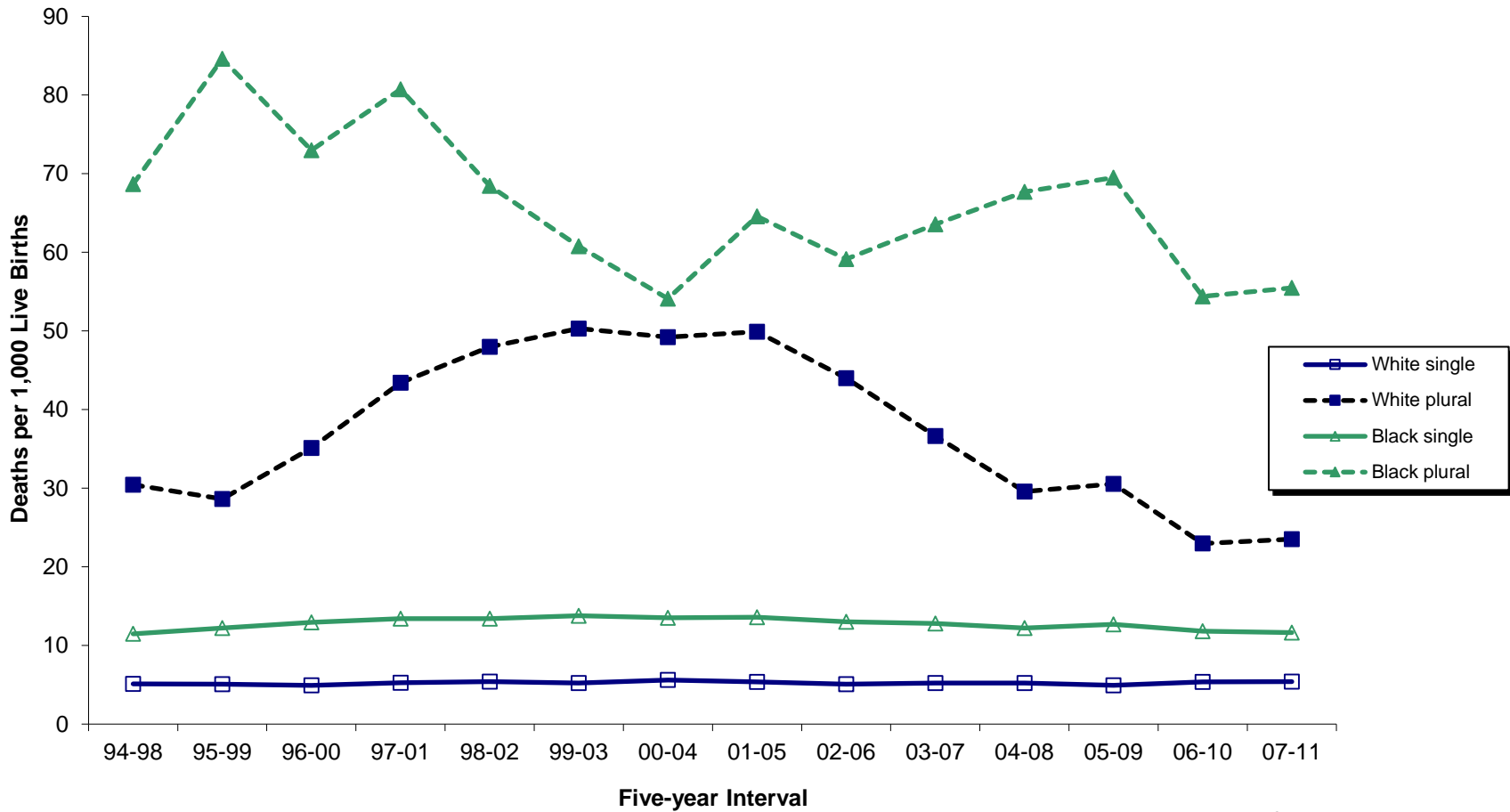
**Notes:**

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

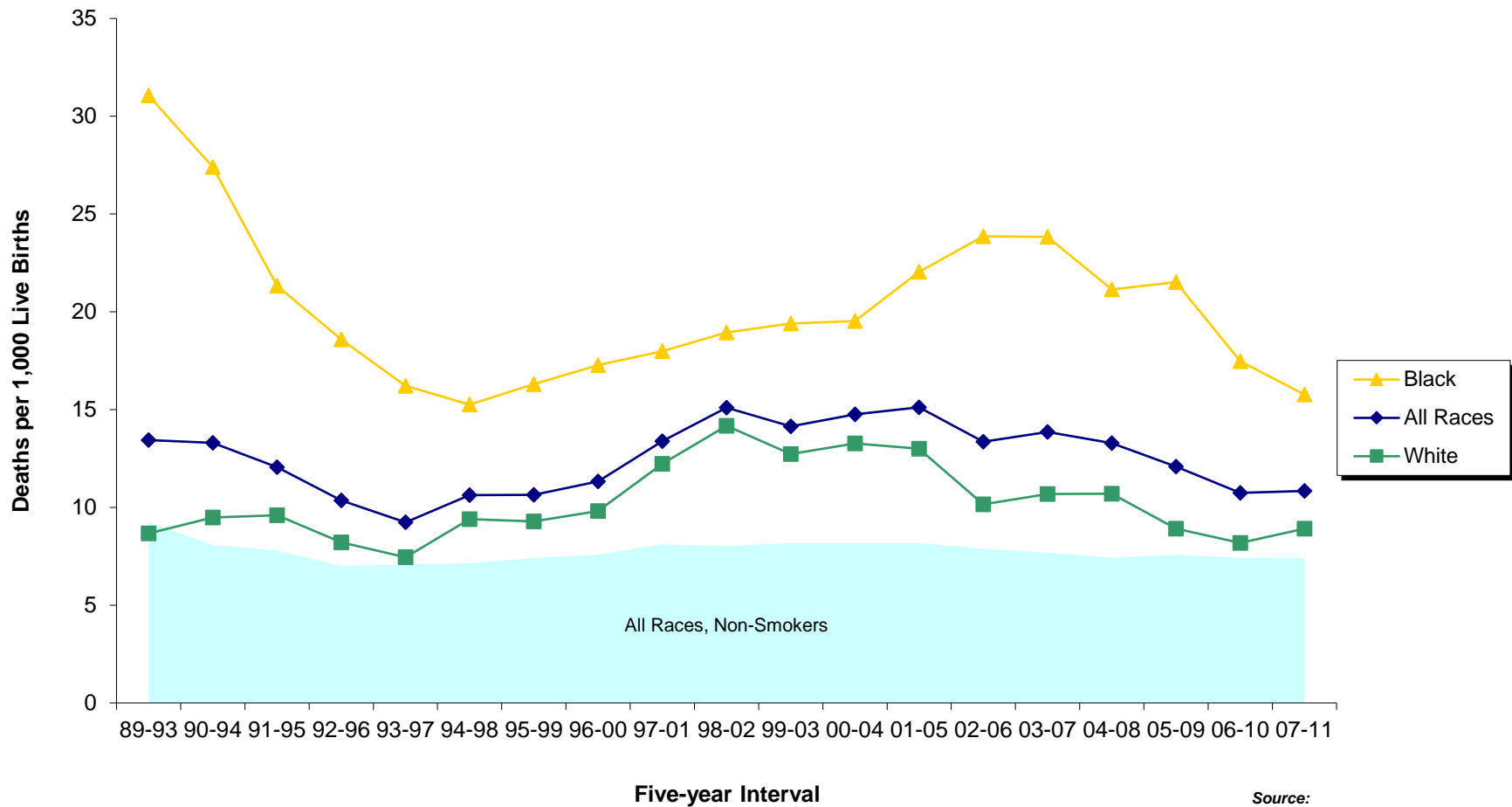
**Figure E-5**  
**Five-year Average Infant Mortality Rates by Race and Plurality**  
**Delaware, 1994-2011 Live Birth Cohort**



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**

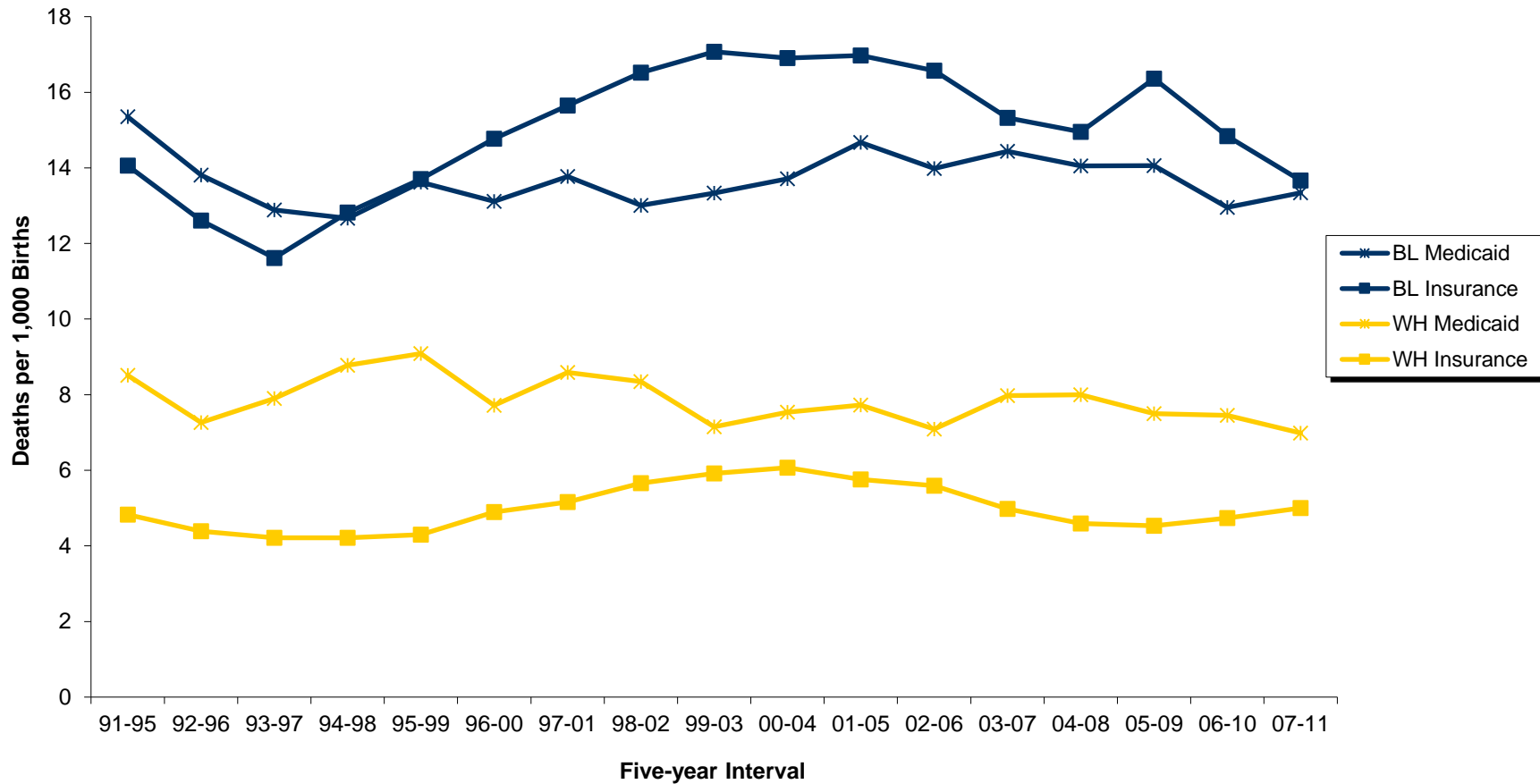
**Delaware, 1989-2011 Live Birth Cohort**



Source:  
 Delaware Health Statistics Center

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

**Delaware, 1991-2011 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, 2007-2011 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>	459	248	211	233	128	105	212	111	101	14	9
<2500	341	187	154	149	87	62	180	92	88	12	8
<1500	275	157	118	108	70	38	157	80	77	10	7
<500	130	67	63	39	19	20	86	44	42	5	4
500-999	123	75	48	56	41	15	63	32	31	4	2
1000-1499	22	15	7	13	10	3	8	4	4	1	1
1500-1999	33	15	18	22	10	12	10	5	5	1	0
2000-2499	33	15	18	19	7	12	13	7	6	1	1
2500+	114	57	57	82	39	43	31	18	13	1	0
2500-2999	43	18	25	31	15	16	12	3	9	0	0
3000-3499	41	22	19	25	10	15	15	12	3	1	0
3500-3999	25	13	12	21	10	11	4	3	1	0	0
4000-4499	4	3	1	4	3	1	0	0	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	4	4	0	2	2	0	1	1	0	1	1
<b>Single Births</b>	391	216	175	203	110	93	177	99	78	11	7
<2500	280	158	122	123	70	53	148	82	66	9	6
<1500	219	131	88	84	55	29	128	71	57	7	5
<500	109	57	52	34	16	18	72	38	34	3	3
500-999	94	64	30	42	33	9	48	29	19	4	2
1000-1499	16	10	6	8	6	2	8	4	4	0	0
1500-1999	33	15	18	22	10	12	10	5	5	1	0
2000-2499	28	12	16	17	5	12	10	6	4	1	1
2500+	108	55	53	78	38	40	29	17	12	1	0
2500-2999	40	17	23	29	14	15	11	3	8	0	0
3000-3499	38	21	17	23	10	13	14	11	3	1	0
3500-3999	25	13	12	21	10	11	4	3	1	0	0
4000-4499	4	3	1	4	3	1	0	0	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	3	3	0	2	2	0	0	0	0	1	1
<b>Plural Births</b>	68	32	36	30	18	12	35	12	23	3	2
<2500	61	29	32	26	17	9	32	10	22	3	2
<1500	56	26	30	24	15	9	29	9	20	3	2
<500	21	10	11	5	3	2	14	6	8	2	1
500-999	29	11	18	14	8	6	15	3	12	0	0
1000-1499	6	5	1	5	4	1	0	0	0	1	1
1500-1999	0	0	0	0	0	0	0	0	0	0	0
2000-2499	5	3	2	2	2	0	3	1	2	0	0
2500+	6	2	4	4	1	3	2	1	1	0	0
2500-2999	3	1	2	2	1	1	1	0	1	0	0
3000-3499	3	1	2	2	0	2	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, 2007-2011 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>	325	183	142	150	88	62	164	88	76	11	7
<2500	286	159	127	123	74	49	152	78	74	11	7
<1500	250	143	107	99	64	35	142	73	69	9	6
<500	130	67	63	39	19	20	86	44	42	5	4
500-999	102	64	38	49	36	13	50	27	23	3	1
1000-1499	18	12	6	11	9	2	6	2	4	1	1
1500-1999	21	9	12	13	6	7	7	3	4	1	0
2000-2499	15	7	8	11	4	7	3	2	1	1	1
2500+	36	21	15	25	12	13	11	9	2	0	0
2500-2999	14	8	6	11	6	5	3	2	1	0	0
3000-3499	12	7	5	7	2	5	5	5	0	0	0
3500-3999	8	5	3	5	3	2	3	2	1	0	0
4000-4499	2	1	1	2	1	1	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	3	3	0	2	2	0	1	1	0	0	0
<b>Single Births</b>	268	155	113	125	73	52	135	77	58	8	5
<2500	233	133	100	101	60	41	124	68	56	8	5
<1500	198	118	80	77	50	27	115	64	51	6	4
<500	109	57	52	34	16	18	72	38	34	3	3
500-999	76	53	23	36	28	8	37	24	13	3	1
1000-1499	13	8	5	7	6	1	6	2	4	0	0
1500-1999	21	9	12	13	6	7	7	3	4	1	0
2000-2499	14	6	8	11	4	7	2	1	1	1	1
2500+	33	20	13	22	11	11	11	9	2	0	0
2500-2999	13	7	6	10	5	5	3	2	1	0	0
3000-3499	10	7	3	5	2	3	5	5	0	0	0
3500-3999	8	5	3	5	3	2	3	2	1	0	0
4000-4499	2	1	1	2	1	1	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	2	2	0	2	2	0	0	0	0	0	0
<b>Plural Births</b>	57	28	29	25	15	10	29	11	18	3	2
<2500	53	26	27	22	14	8	28	10	18	3	2
<1500	52	25	27	22	14	8	27	9	18	3	2
<500	21	10	11	5	3	2	14	6	8	2	1
500-999	26	11	15	13	8	5	13	3	10	0	0
1000-1499	5	4	1	4	3	1	0	0	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+	3	1	2	3	1	2	0	0	0	0	0
2500-2999	1	1	0	1	1	0	0	0	0	0	0
3000-3499	2	0	2	2	0	2	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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The background of the slide consists of a series of parallel, diagonal grey lines that create a textured, hatched effect. The lines are evenly spaced and run from the top-left towards the bottom-right.

# Mortality

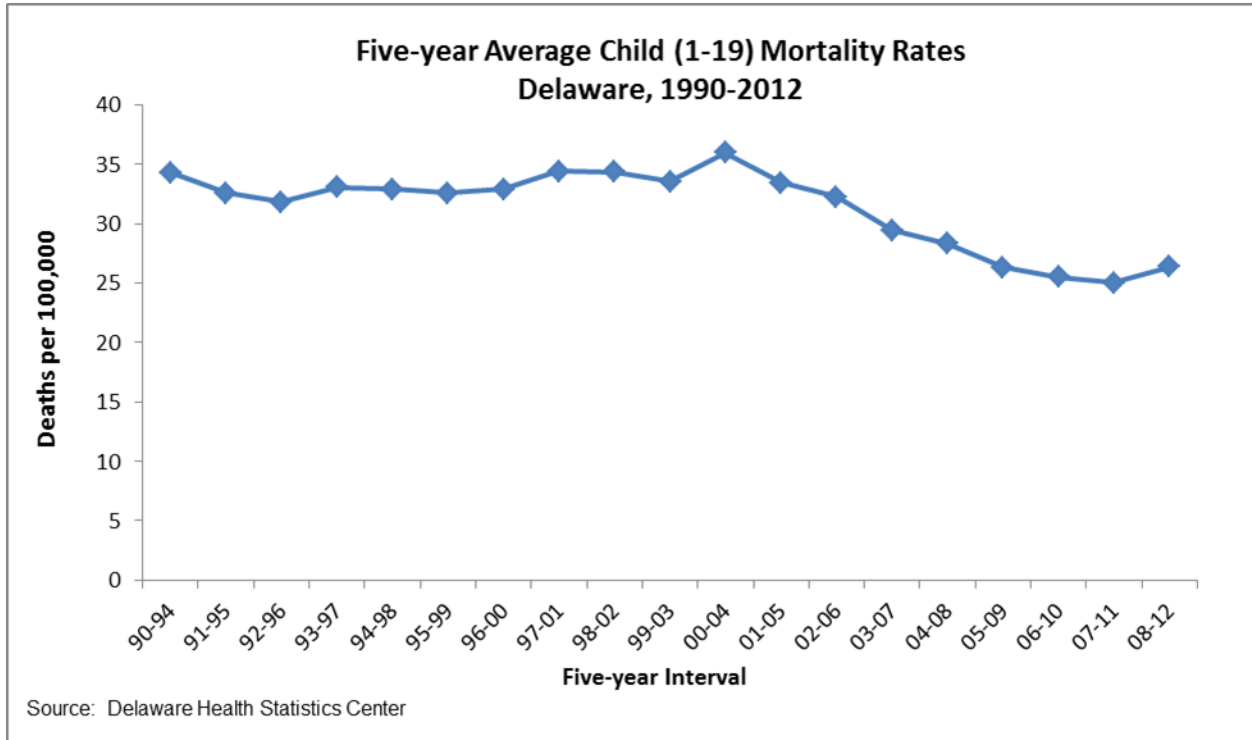


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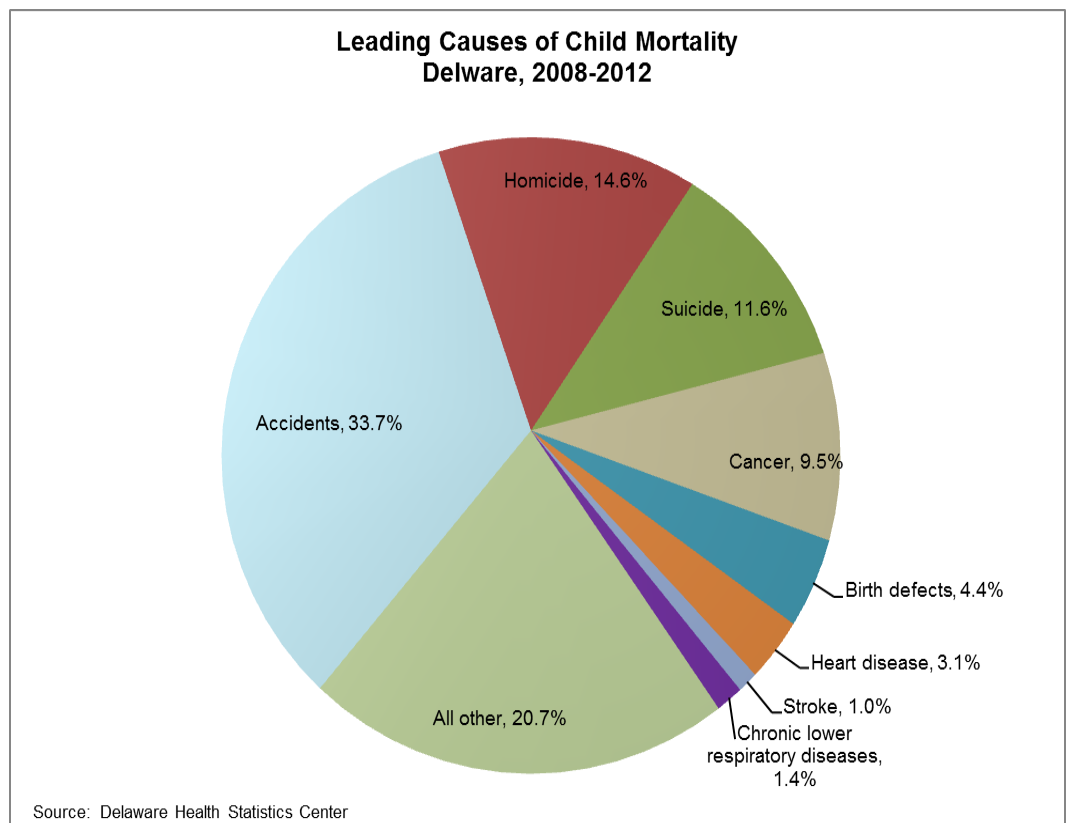
## CHILD MORTALITY

From 2008 to 2012, 294 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 62 percent of all child deaths in 2008-2012.

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 25 percent, to 27 deaths per 100,000 children.

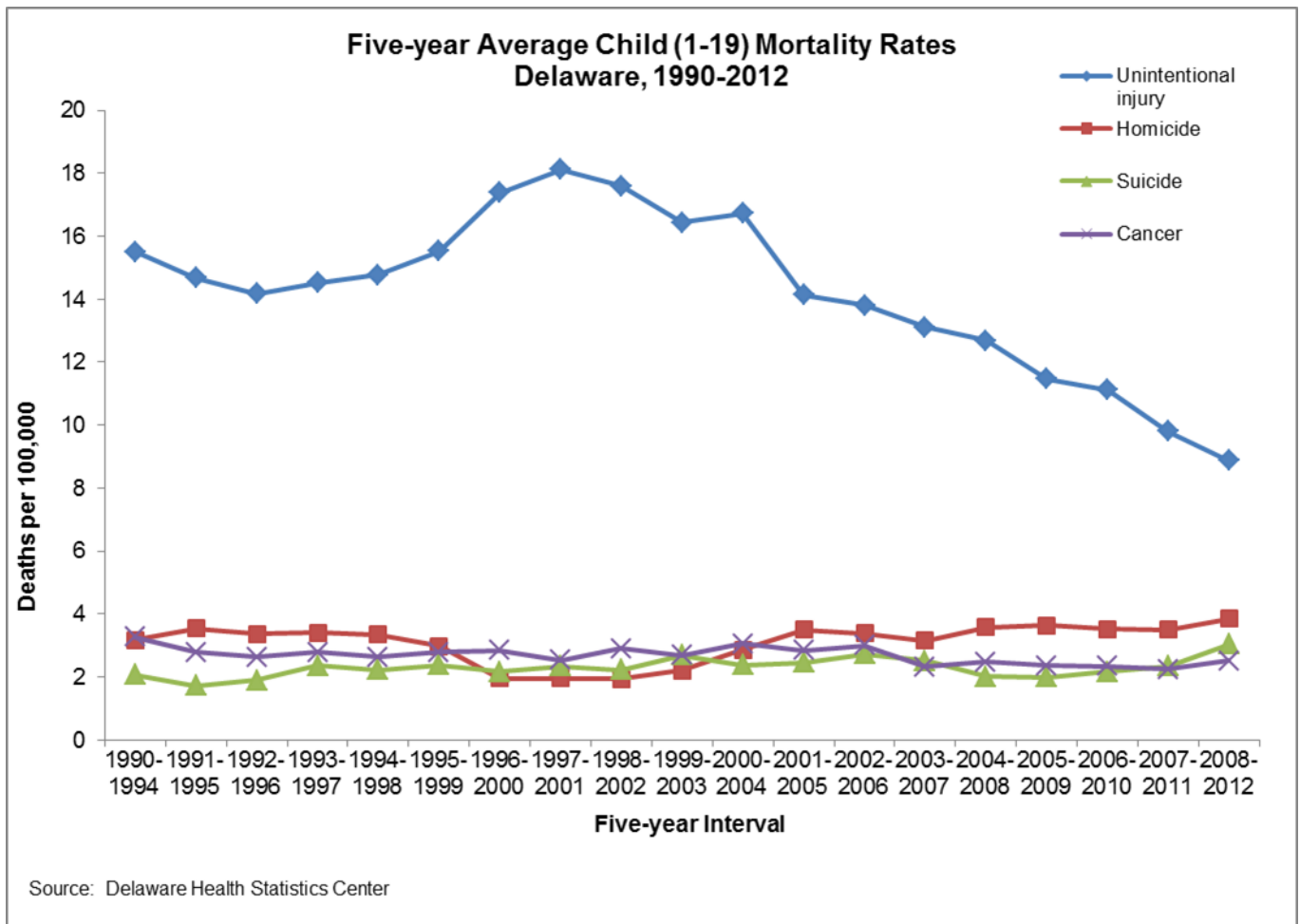


Accidents, homicide, suicide, and cancer were the four most common causes of child mortality in 2008-2012. Together, they accounted for 69 percent of all child deaths.



## CHILD MORTALITY

From 2001-2005 to 2008-2012, rates for two of the four leading causes of child mortality decreased. Unintentional injury mortality rates declined by 37 percent, whereas suicide rates increased 20 percent. Homicide rates increased while cancer rates decreased (11 percent change for both).



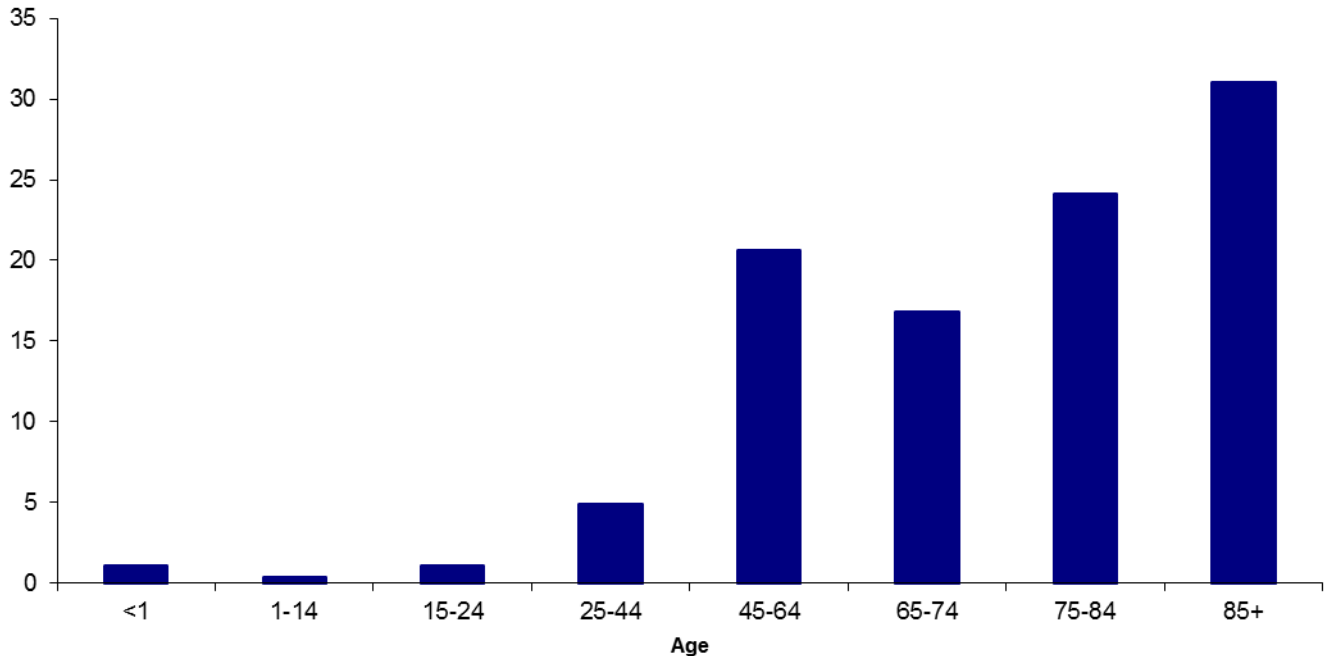
Detailed manner of the most common causes of child deaths in 2008-2012:

- Motor vehicle crashes accounted for 62 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 12 and 9 percent of deaths, respectively.
- Firearms and cutting/piercing accounted for over 86 percent of all homicides, 79 and 7 percent, respectively.
- The majority of child cancer deaths were due to brain cancer (50 percent) and leukemia (18 percent).
- Suffocation, followed by firearms, were the most common methods of suicide, and accounted for 50 and 35 percent of the total suicide deaths.

## MORTALITY

Fifty seven more Delaware residents died in 2012 than in 2011. A total of 7,873 residents died, 84 of whom were infants under the age of 1. Deaths for females was higher than males (4015 vs. 3858). Cancer and heart disease were the most common causes of death, accounting for 47 percent of all deaths in 2012.

**Percent of Deaths by Age  
Delaware, 2012**



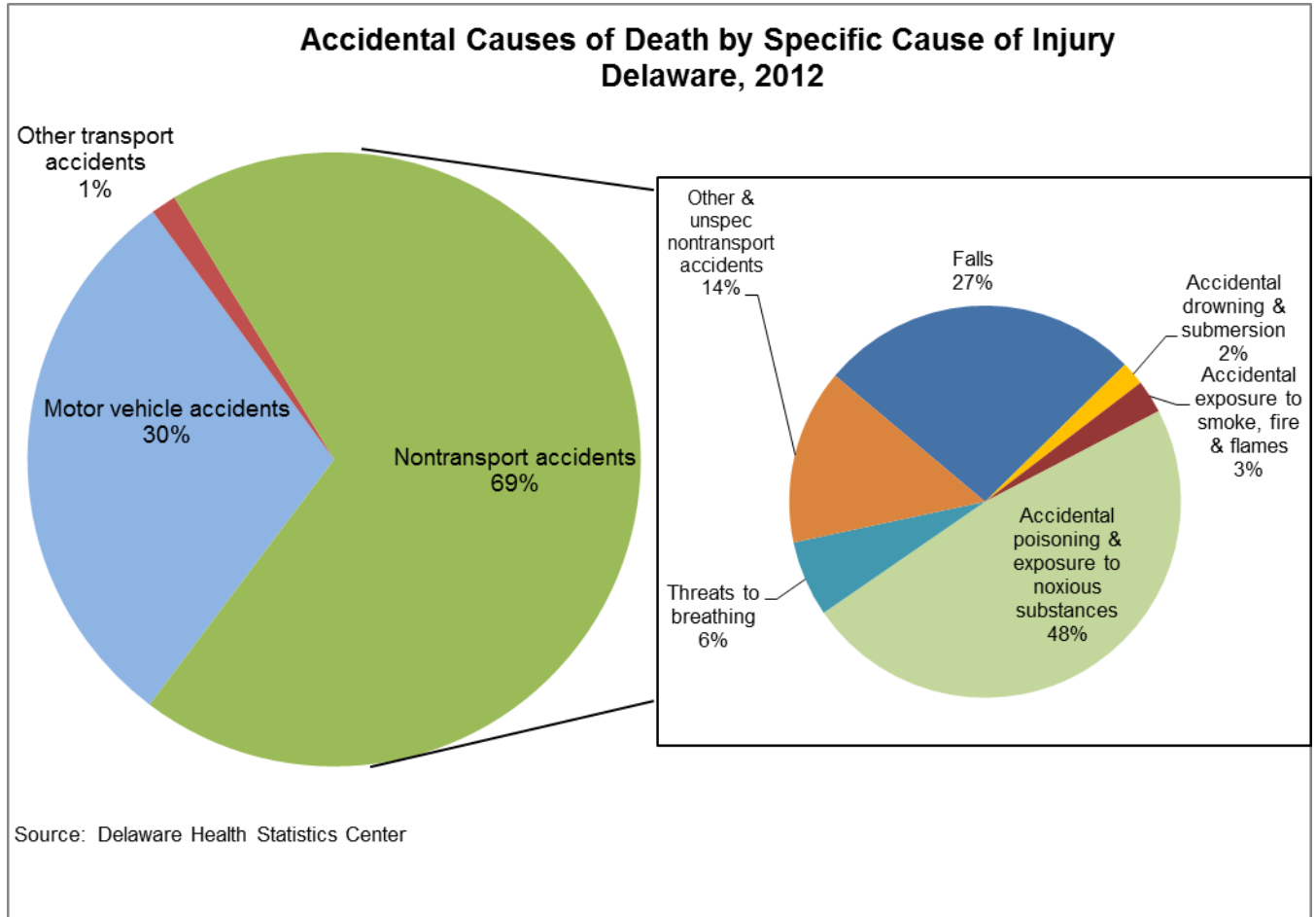
Source: Delaware Health Statistics Center

- A Delaware resident born in 2012 could expect to live an average of 79.5 years.
- Life expectancy at birth varied by race and sex; white females had the highest life expectancy (81.9) while black males had the lowest (74.3).
- In 1989, 80 percent of Delaware decedents were buried and 15 percent were cremated. By 2012, the distribution had shifted: 51 percent of decedents were buried and 44 percent were cremated.
- In 2012, the ten leading causes of death for residents of all ages changed slightly from the top 10 in 2011; dementia and influenza & pneumonia were removed from the list and suicide and septicemia became part of the top ten leading causes of death.

Rank	Leading Cause of Death	Number
1	Malignant neoplasms	1934
2	Diseases of heart	1787
3	Chronic lower respiratory diseases	423
4	Cerebrovascular diseases	403
5	Accidents (unintentional injuries)	371
6	Diabetes mellitus	242
7	Alzheimer's disease	214
8	Nephritis, nephrotic syndrome & nephrosis	139
9	Intentional self-harm (suicide)	125
10	Septicemia	121

## MORTALITY

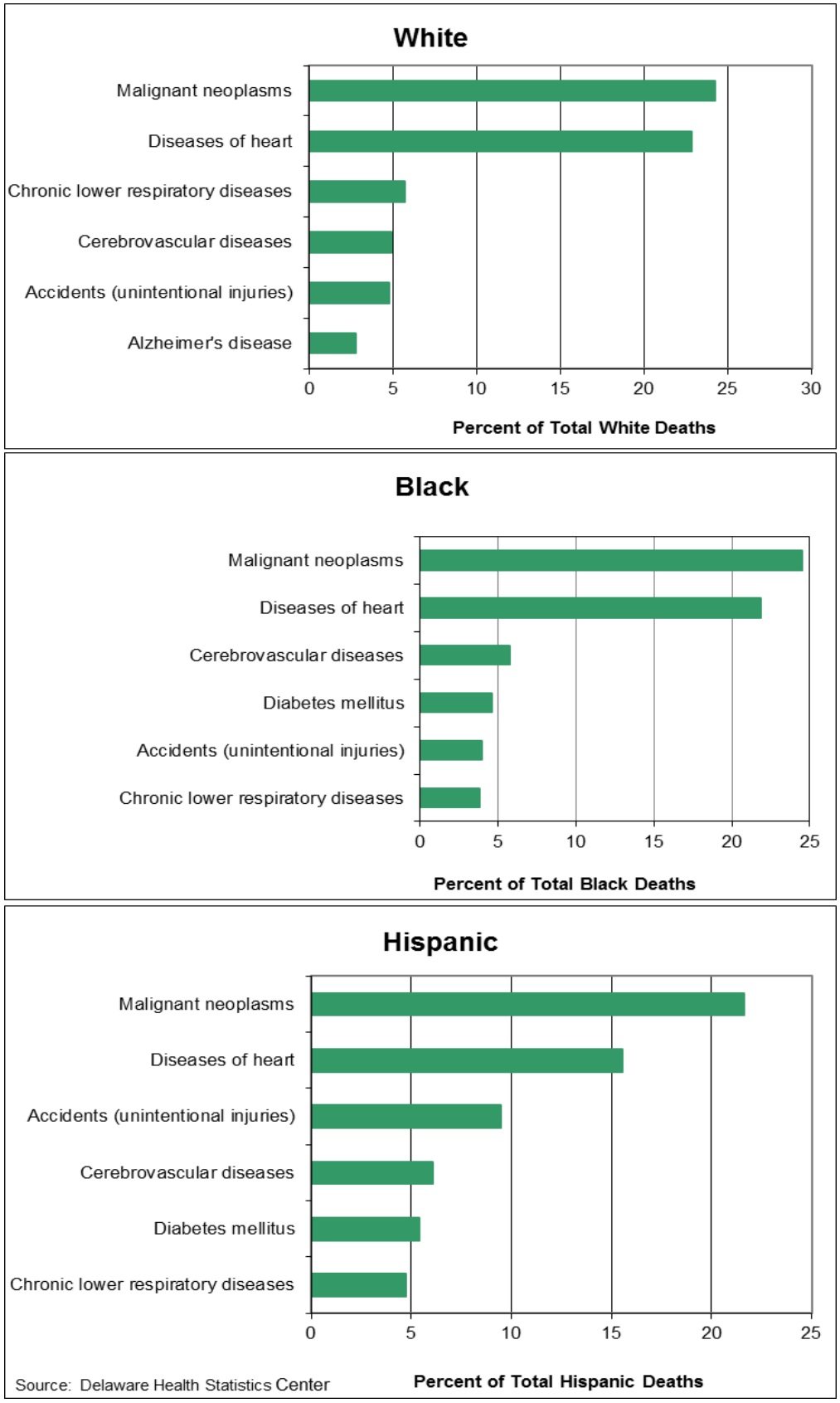
- There were 371 deaths due to unintentional injury in 2012 (4.7 percent of all deaths). Thirty percent were due to motor vehicle accidents and 69 percent were due to non-transport accidents. Nearly half of the 256 non-transport accidents were caused by unintentional poisonings; the majority (94 percent) of unintentional poisonings were drug-induced poisonings.
- For the fourth year, unintentional poisonings surpassed motor vehicle injuries and became the leading cause of unintentional injury death in 2012.
- For black females and white males, poisonings caused the most unintentional injuries, followed by motor vehicle accidents. For black males, motor vehicle accidents caused the greatest number of unintentional injuries.
- For white females, falls caused the greatest number of unintentional injuries, followed by poisonings.



- In 2008-2012, accidents were the number one cause of death for people 1-44 years of age, and they were responsible for 39 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.

## MORTALITY

The leading causes of death varied by race and ethnic group. In 2012, the most common causes of death for white, black, and Hispanic Delawareans were:

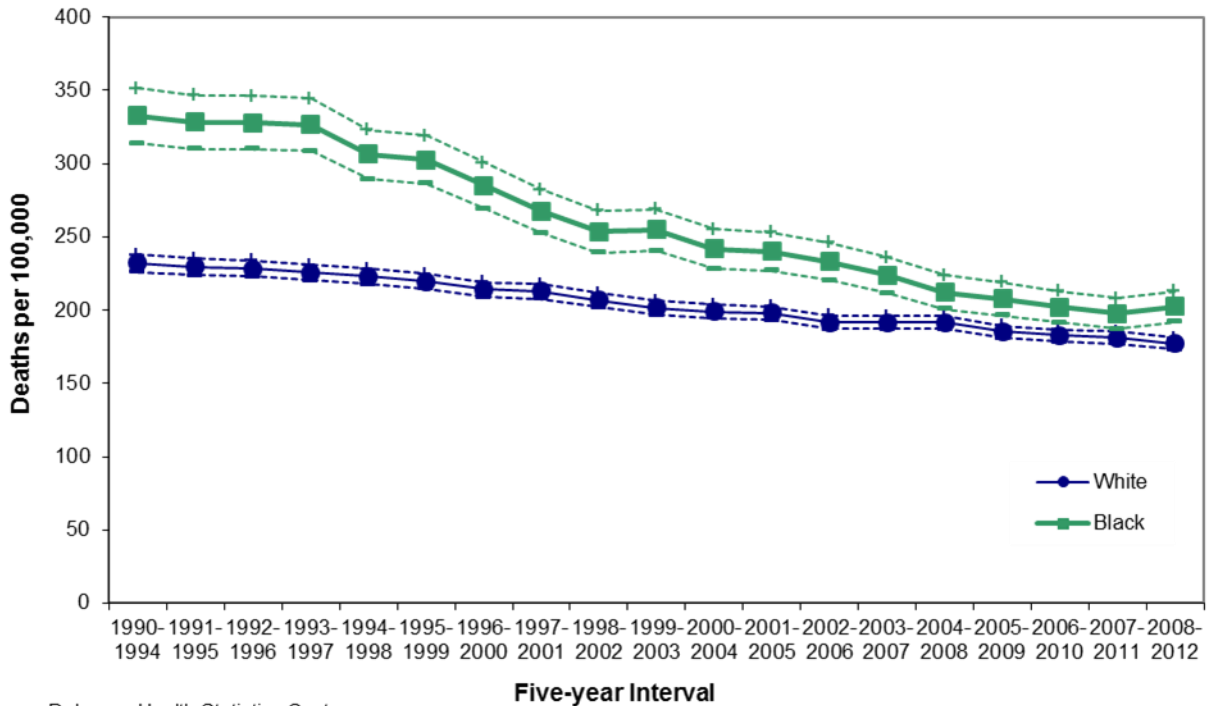


## MORTALITY

Cancer mortality rates have decreased in all three counties since the early 1990s, though most recently Kent County rates rose 1 percent. In 2008-2012, the five-year age-adjusted cancer mortality rates ranged from 158.9 deaths per 100,000 population in Sussex County to 208.0 deaths per 100,000 population in Kent County.

Cancer mortality rates for black decedents show an increasing trend whereas white decedents followed a decreasing trend. Though the gap between black and white cancer mortality rates narrowed, black cancer mortality rates in 2008-2012 remained significantly higher than white rates.

**Five-year Age-Adjusted Cancer Mortality Rates by Race  
Delaware, 1990-2012**

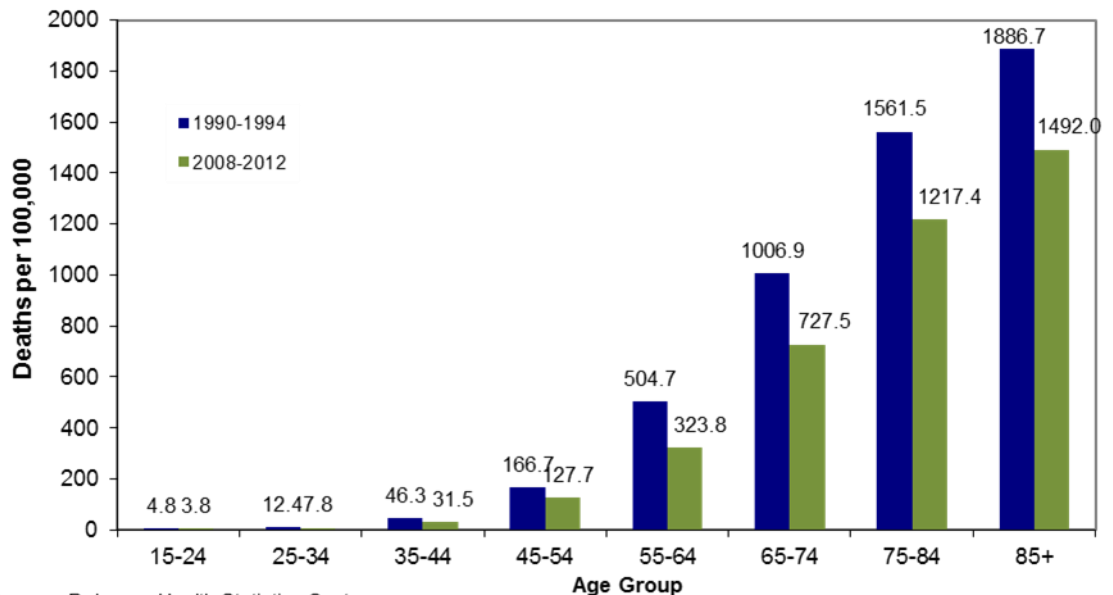


Source: Delaware Health Statistics Center

**Five-year Average Age-Specific Cancer Mortality Rates  
Delaware, 1990-1994 and 2008-2012**

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

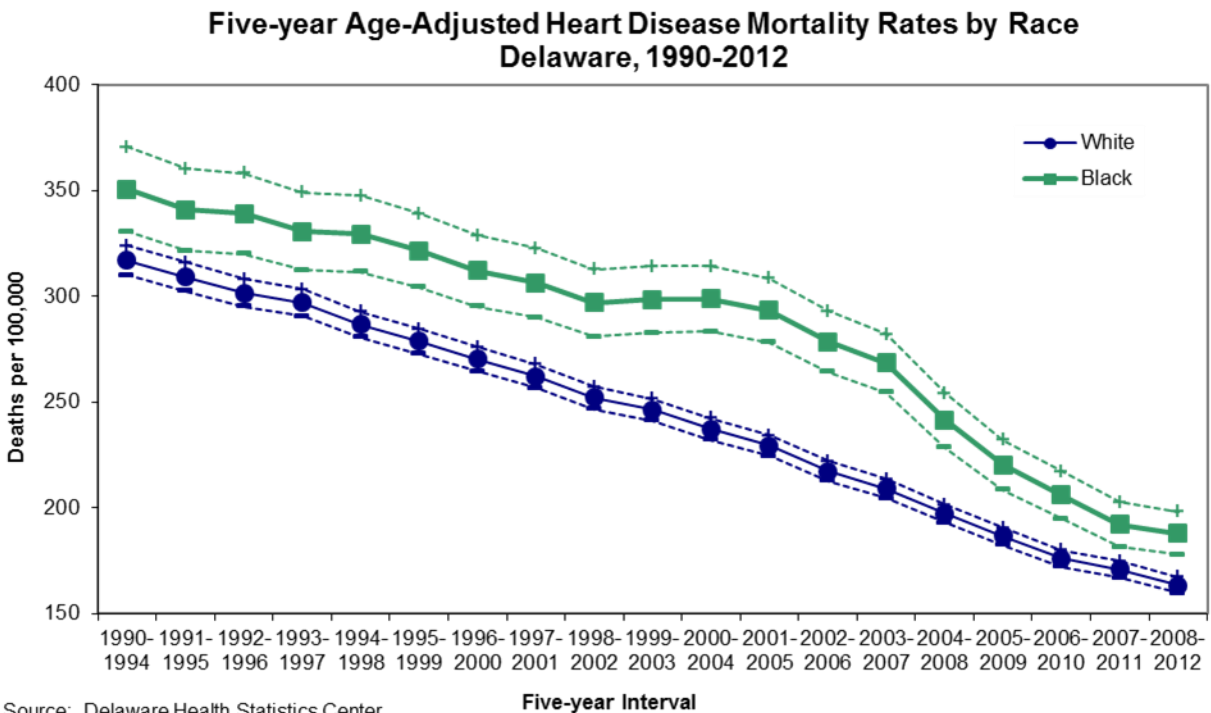
Cancer mortality rates declined for all age groups between 1990-1994 and 2008-2012. The 25-34 and 55-64 age groups experienced the largest decreases.



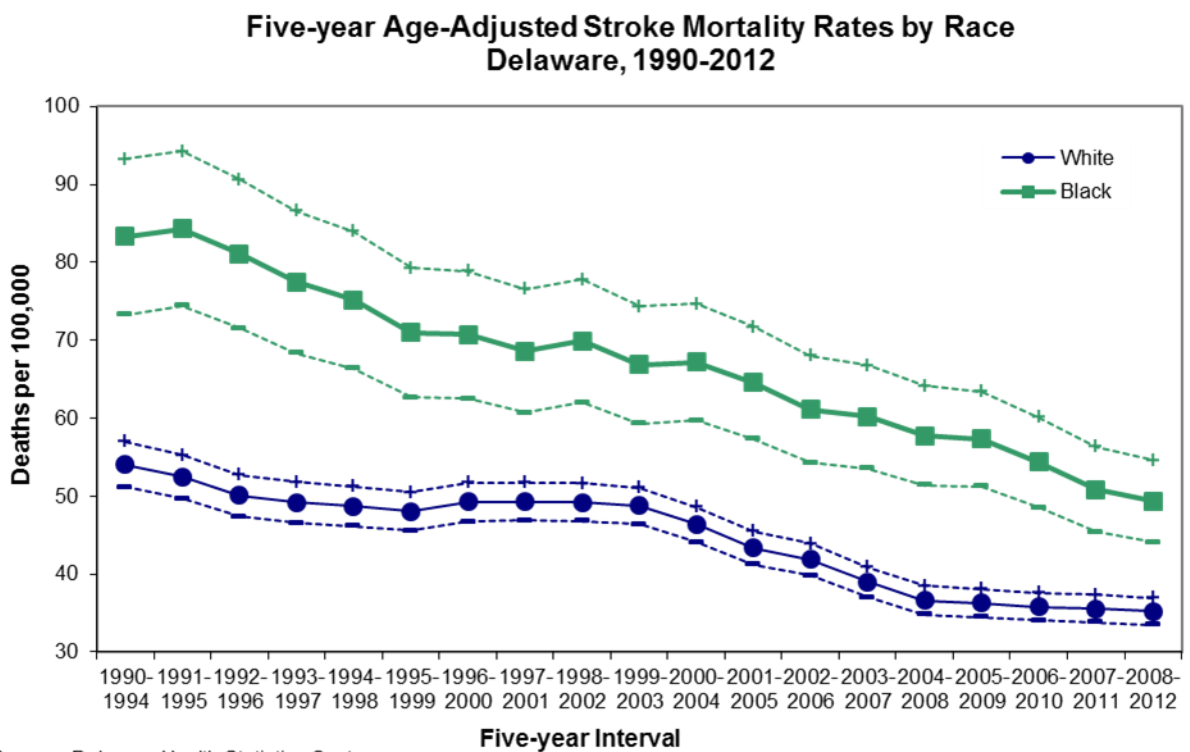
Source: Delaware Health Statistics Center

## MORTALITY

Heart disease was the second most common cause of death for both black and white Delawareans in 2008-2012. Both black and white heart disease mortality rates have declined significantly since 1990-1994, with white rates declining 48.5 percent and black rates declining 46.4 percent.



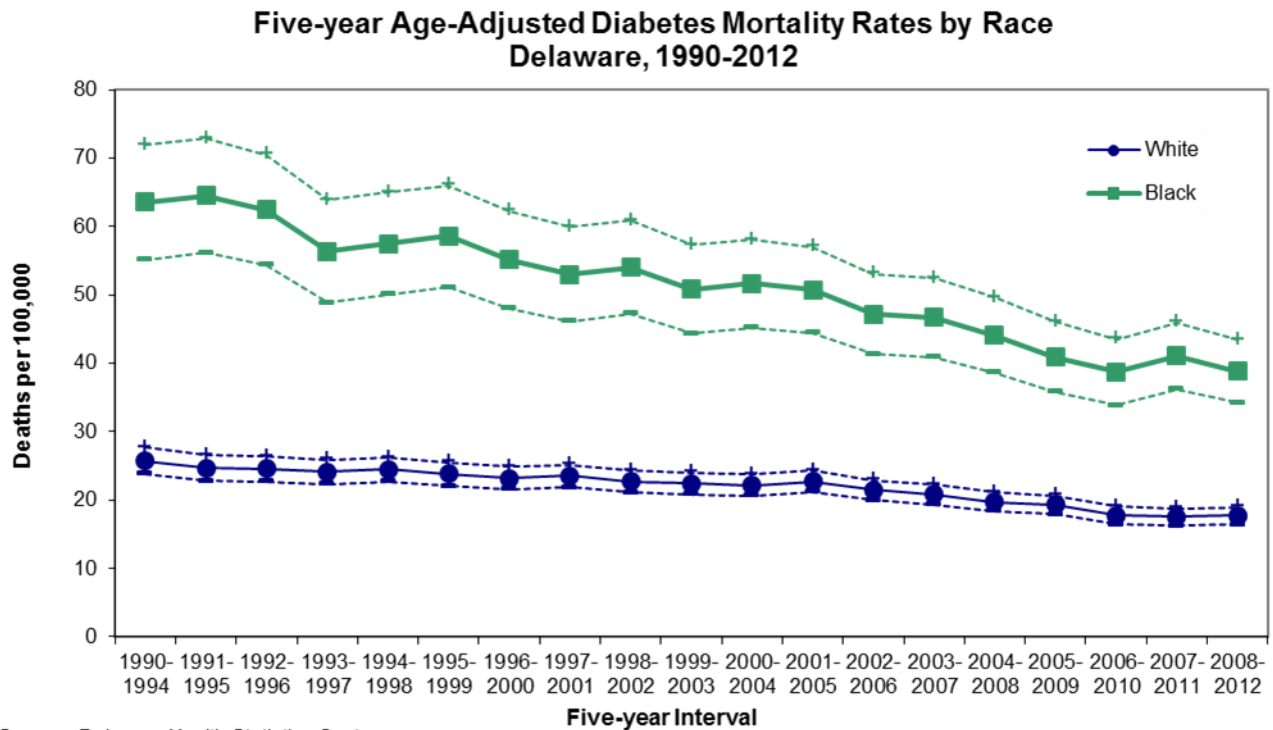
Stroke mortality rates for both races continued their declining trends between 1990-1994 and 2008-2012, with rates for white and black races decreasing 34 and 41 percent, respectively. In 2008-2012, the black stroke mortality rate remained approximately 40 percent higher than the white rate (49.4 versus 35.2).





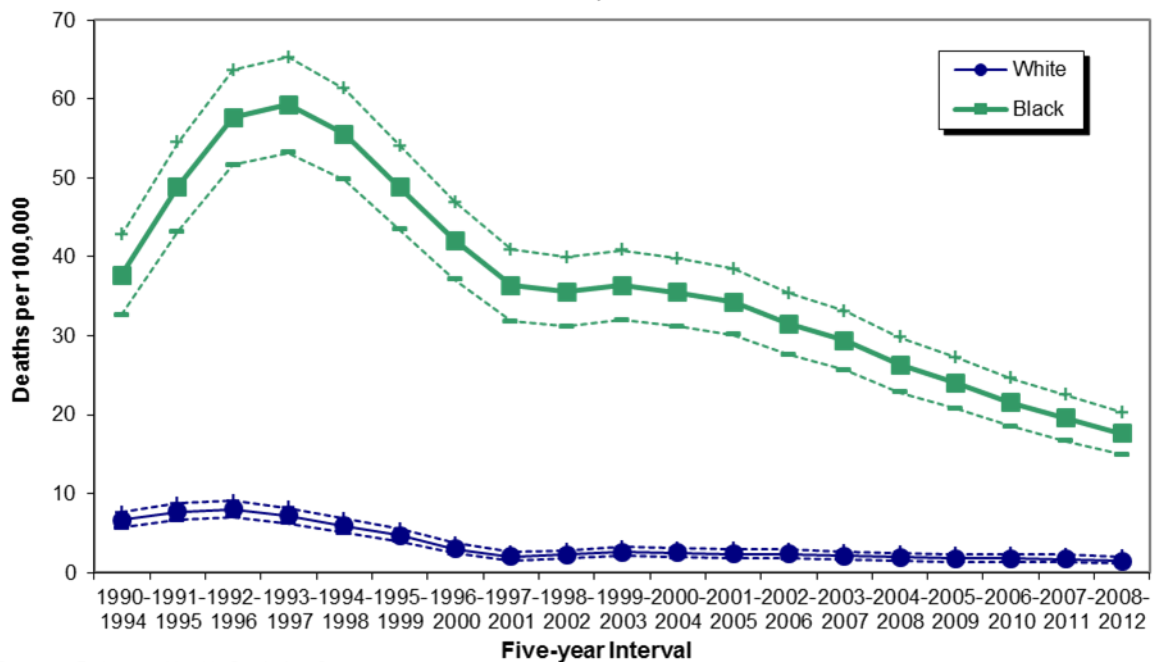
## MORTALITY

Though black mortality rates for diabetes have declined nearly 39 percent since 1990-1994, their rates were more than double that of whites in 2008-2012.



HIV/AIDS mortality has disproportionately affected Delaware's black population. Despite black HIV/AIDS mortality rates decreasing significantly since the 1993-1997 peak, their 2008-2012 mortality rate of 17.6 deaths per 100,000 was nearly 12 times that of whites. Though they made up only 21.8 percent of the total Delaware population in 2008-2012, blacks accounted for 77 percent of all deaths due to HIV/AIDS.

### Five-year Age-Adjusted HIV/AIDS Mortality Rates by Race Delaware, 1990-2012

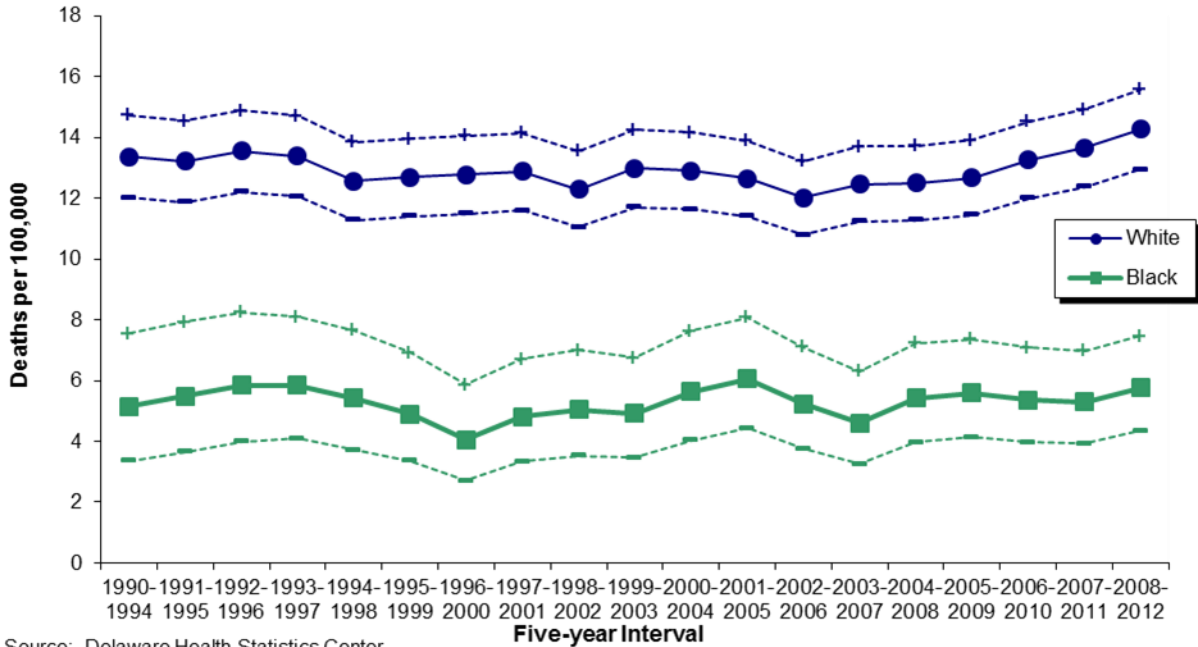


In 2008-2012, HIV was the ninth leading cause of death for black Delawareans; it ranked eighth for black males and eleventh for black females.

## MORTALITY

Suicide mortality trends for both black and white populations changed little between 1990-1994 and 2008-2012, with the white rate (14.3) remaining more than double that of the black rate (5.8).

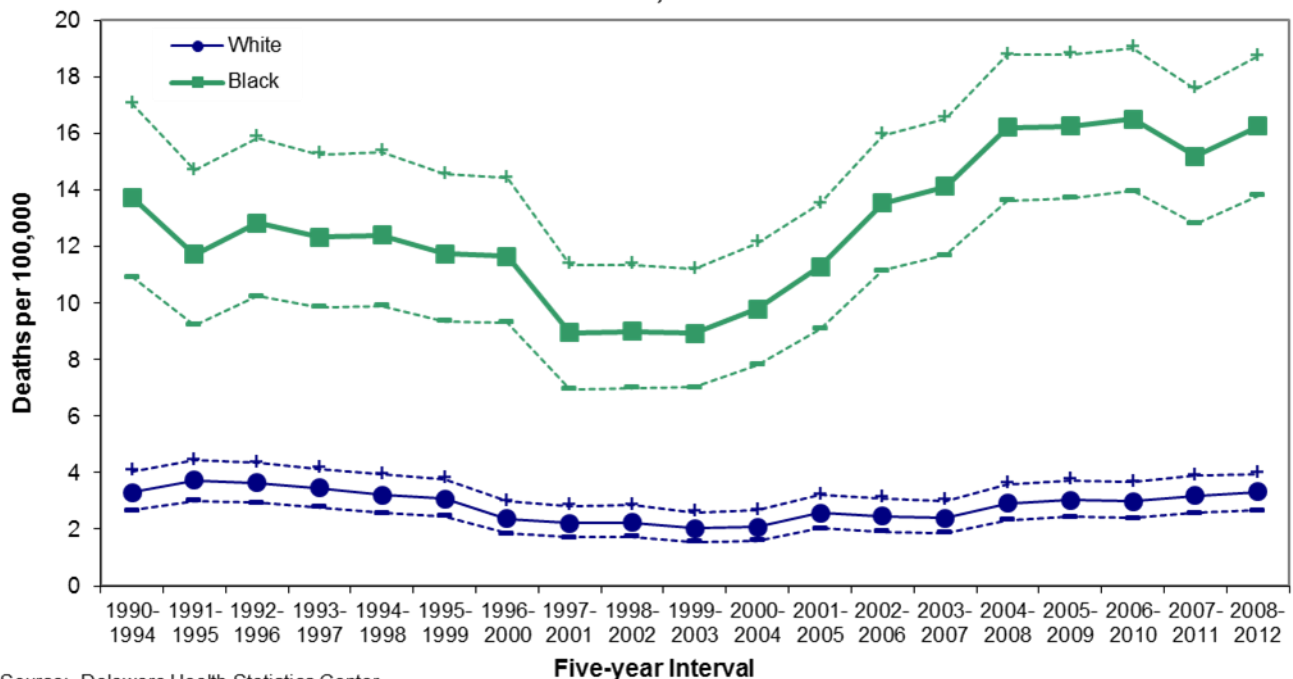
**Five-year Age-Adjusted Suicide Mortality Rates by Race  
Delaware, 1990-2012**



Source: Delaware Health Statistics Center

After declining throughout most of the 1990s and reaching their lowest point in 1999-2003, homicide mortality rates rose 86 percent between 1999-2003 and 2008-2012. The majority of the increase was due to an 83 percent increase in black homicide mortality rates; white homicide mortality rates rose 65 percent during the same time period. In 2008-2012, black and white homicide mortality rates were 16.3 and 3.3 deaths per 100,000 population, respectively.

**Five-year Age-Adjusted Homicide Mortality Rates by Race  
Delaware, 1990-2012**

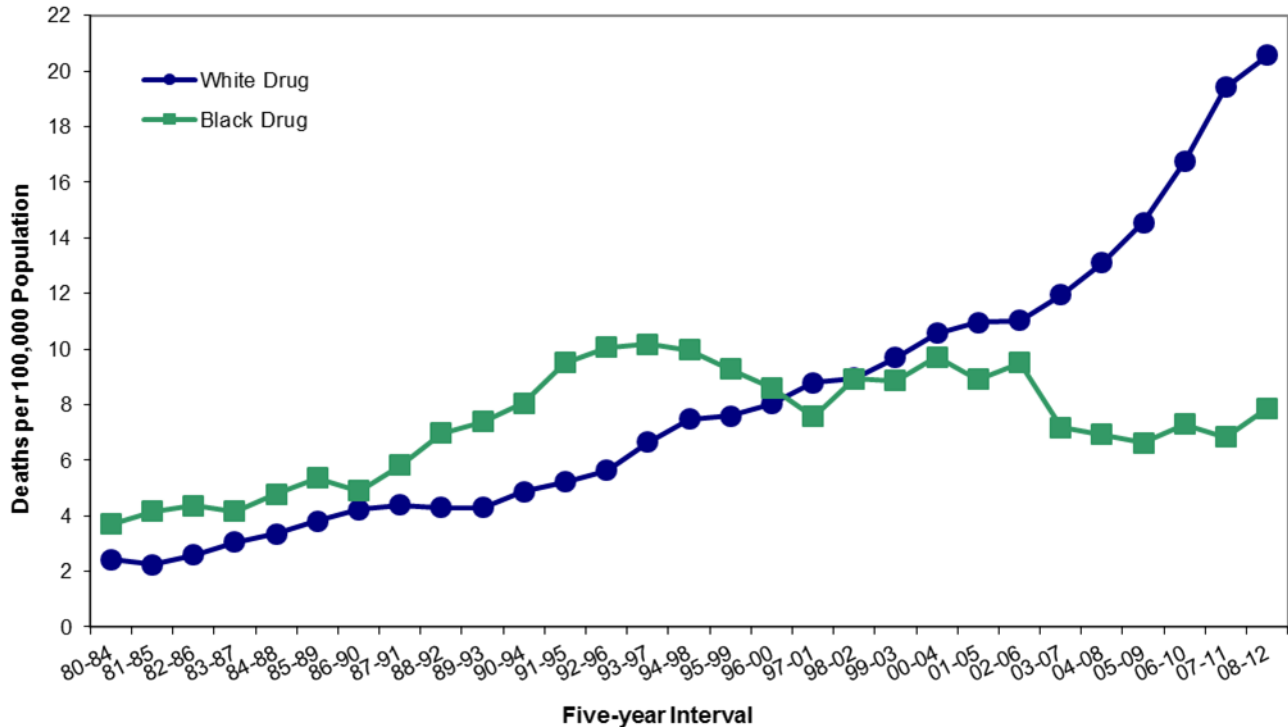


Source: Delaware Health Statistics Center

## MORTALITY

Although 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 2008-2012, the white drug-induced mortality rate (20.6) was more than twice the black rate (7.9).

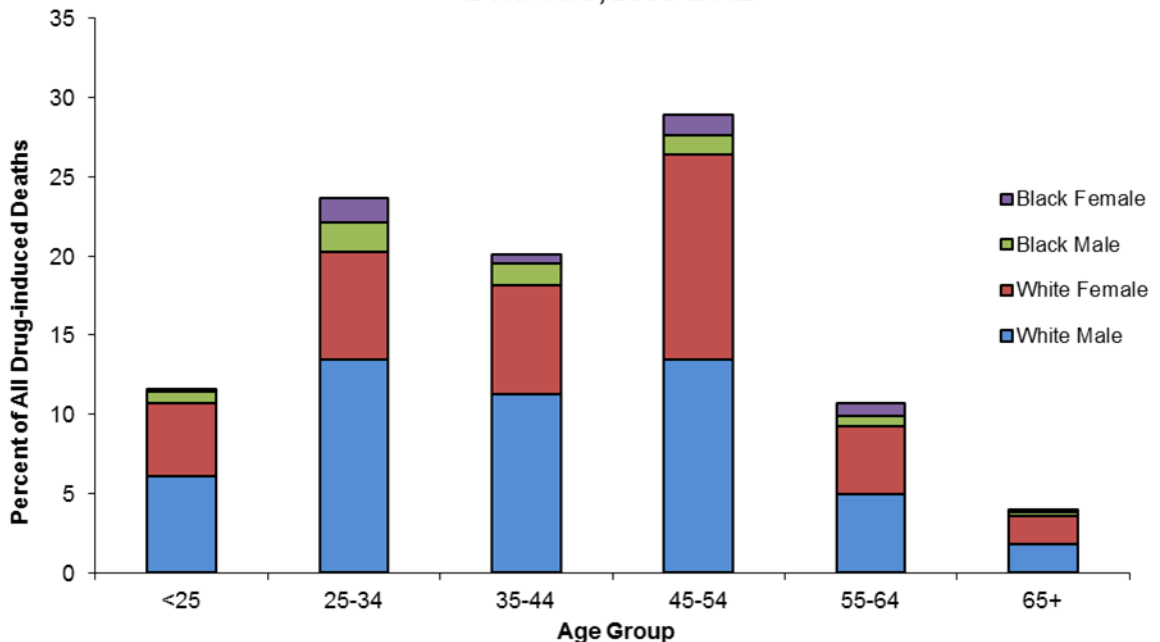
**Five-year Age-adjusted Mortality Rates for Drug-Induced Deaths by Race  
Delaware, 1980-2012**



Source: Delaware Health Statistics Center

**Distribution of Drug-induced Deaths by Race, Sex, and Age Group  
Delaware, 2008-2012**

In 2008-2012, 51 percent of all drug-induced deaths were white males. Of all the race-age groups, white males ages 25-34 and white males ages 45-54 were responsible for the largest proportions (both 13.5 percent) of drug-induced deaths. White females ages 45-54 were just below this at 12.9 percent.



Source: Delaware Health Statistics Center

TABLE F-1  
NUMBER OF DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1999-2012

Area/ Race	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>U.S.</b>														
All Races	2391399	2403351	2416425	2443387	2448288	2397615	2448017	2426264	2423712	2471984	2437163	2468435	2513171	2543279
White	2061348	2071287	2079691	2102589	2103714	2056643	2098097	2077549	2074151	2120233	2086355	2114749	2153864	2175178
Black	285064	285826	287709	290051	291300	287315	292808	289971	289585	289072	286623	286959	290135	295222
Other	44987	46238	49025	50747	53274	53657	57112	58744	59976	62679	64185	66727	69172	72879
<b>Delaware</b>														
All Races	6669	6872	7114	6860	7067	7124	7424	7144	7246	7602	7498	7667	7816	7873
White	5555	5696	5886	5694	5782	5862	6129	5856	5985	6309	6113	6274	6412	6348
Black	1072	1131	1180	1111	1241	1204	1235	1225	1181	1217	1270	1258	1256	1392
Other	42	45	48	55	44	58	60	63	80	76	115	135	148	133
<b>Kent</b>														
All Races	1102	1022	1102	1113	1114	1154	1250	1219	1255	1367	1379	1345	1368	1462
White	924	822	900	916	878	948	1017	967	1018	1133	1096	1080	1092	1159
Black	167	184	194	187	224	193	224	234	219	220	263	231	239	273
Other	11	16	8	10	12	13	9	18	18	14	20	34	37	30
<b>New Castle</b>														
All Races	3931	4111	4234	3996	4129	4146	4229	4039	4101	4290	4100	4221	4394	4260
White	3217	3350	3435	3244	3299	3324	3381	3212	3294	3441	3234	3316	3486	3270
Black	692	741	774	718	809	793	809	794	771	802	799	828	820	909
Other	22	20	25	34	21	29	39	33	36	47	67	77	88	81
Wilmington														
All Races	789	826	850	779	843	782	765	728	705	726	692	713	697	691
White	395	430	421	392	413	358	362	337	345	334	329	294	320	297
Black	392	394	425	380	430	419	401	385	359	389	360	406	362	383
Other	2	2	4	7	0	5	2	6	1	3	3	13	15	11
Balance of NC County														
All Races	3142	3285	3384	3217	3286	3364	3464	3311	3396	3564	3408	3508	3697	3569
White	2822	2920	3014	2852	2886	2966	3019	2875	2949	3107	2905	3022	3166	2973
Black	300	347	349	338	379	374	408	409	412	413	439	422	458	526
Other	20	18	21	27	21	24	37	27	35	44	64	64	73	70
<b>Sussex</b>														
All Races	1636	1739	1778	1751	1824	1824	1945	1886	1890	1945	2019	2101	2054	2151
White	1414	1524	1551	1534	1605	1590	1731	1677	1673	1735	1783	1878	1834	1919
Black	213	206	212	206	208	218	202	197	191	195	208	199	197	210
Other	9	9	15	11	11	16	12	12	26	15	28	24	23	22

NDRACE

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

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



TABLE F-3  
NUMBER OF DEATHS BY AGE AND RACE  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2012

(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	7873	84	14	7	9	35	54	169	219	621	999	1325	4337	0
White	6348	34	8	6	6	23	36	93	162	436	740	1071	3733	0
Black	1392	44	6	0	3	11	18	67	51	173	240	229	550	0
Other	133	6	0	1	0	1	0	9	6	12	19	25	54	0
<b>Kent</b>														
All Races	1462	17	3	0	4	9	9	34	47	132	203	270	734	0
White	1159	7	2	0	1	6	8	20	34	90	157	221	613	0
Black	273	10	1	0	3	2	1	11	11	39	39	46	110	0
Other	30	0	0	0	0	1	0	3	2	3	7	3	11	0
<b>New Castle</b>														
All Races	4260	58	7	5	4	15	33	102	137	369	571	638	2321	0
White	3270	24	4	5	4	7	20	47	100	249	382	474	1954	0
Black	909	28	3	0	0	8	13	49	34	112	178	149	335	0
Other	81	6	0	0	0	0	0	6	3	8	11	15	32	0
<b>Wilmington</b>														
All Races	691	20	3	0	0	4	4	26	21	70	107	101	335	0
White	297	8	0	0	0	1	0	6	5	21	30	37	189	0
Black	383	11	3	0	0	3	4	18	16	49	76	63	140	0
Other	11	1	0	0	0	0	0	2	0	0	1	1	6	0
<b>Balance of NC County</b>														
All Races	3569	38	4	5	4	11	29	76	116	299	464	537	1986	0
White	2973	16	4	5	4	6	20	41	95	228	352	437	1765	0
Black	526	17	0	0	0	5	9	31	18	63	102	86	195	0
Other	70	5	0	0	0	0	0	4	3	8	10	14	26	0
<b>Sussex</b>														
All Races	2151	9	4	2	1	11	12	33	35	120	225	417	1282	0
White	1919	3	2	1	1	10	8	26	28	97	201	376	1166	0
Black	210	6	2	0	0	1	4	7	6	22	23	34	105	0
Other	22	0	0	1	0	0	0	0	1	1	1	7	11	0

Source:  
Delaware Health Statistics Center

NDAGERAC

TABLE F-4  
NUMBER OF DEATHS BY AGE AND RACE  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2012

(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	3858	51	8	4	4	25	42	124	130	366	554	730	1820	0
White	3121	20	4	3	3	15	29	67	97	268	415	597	1603	0
Black	666	26	4	0	1	10	13	48	27	94	130	121	192	0
Other	71	5	0	1	0	0	0	9	6	4	9	12	25	0
<b>Kent</b>														
All Races	728	8	2	0	1	4	8	24	25	81	110	154	311	0
White	582	3	1	0	0	3	7	13	20	57	84	128	266	0
Black	133	5	1	0	1	1	1	8	3	24	24	24	41	0
Other	13	0	0	0	0	0	0	3	2	0	2	2	4	0
<b>New Castle</b>														
All Races	2054	36	3	2	3	12	25	74	82	222	319	338	938	0
White	1572	15	1	2	3	4	15	34	60	162	216	253	807	0
Black	436	16	2	0	0	8	10	34	19	57	96	79	115	0
Other	46	5	0	0	0	0	0	6	3	3	7	6	16	0
<b>Wilmington</b>														
All Races	319	13	2	0	0	4	2	19	10	40	59	58	112	0
White	125	6	0	0	0	1	0	4	3	13	18	21	59	0
Black	187	6	2	0	0	3	2	13	7	27	40	37	50	0
Other	7	1	0	0	0	0	0	2	0	0	1	0	3	0
<b>Balance of NC County</b>														
All Races	1735	23	1	2	3	8	23	55	72	182	260	280	826	0
White	1447	9	1	2	3	3	15	30	57	149	198	232	748	0
Black	249	10	0	0	0	5	8	21	12	30	56	42	65	0
Other	39	4	0	0	0	0	0	4	3	3	6	6	13	0
<b>Sussex</b>														
All Races	1076	7	3	2	0	9	9	26	23	63	125	238	571	0
White	967	2	2	1	0	8	7	20	17	49	115	216	530	0
Black	97	5	1	0	0	1	2	6	5	13	10	18	36	0
Other	12	0	0	1	0	0	0	0	1	1	0	4	5	0

Source:  
Delaware Health Statistics Center

NDRCAGML

TABLE F-5  
NUMBER OF DEATHS BY AGE AND RACE  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2012

(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	4015	33	6	3	5	10	12	45	89	255	445	595	2517	0
White	3227	14	4	3	3	8	7	26	65	168	325	474	2130	0
Black	726	18	2	0	2	1	5	19	24	79	110	108	358	0
Other	62	1	0	0	0	1	0	0	0	8	10	13	29	0
<b>Kent</b>														
All Races	734	9	1	0	3	5	1	10	22	51	93	116	423	0
White	577	4	1	0	1	3	1	7	14	33	73	93	347	0
Black	140	5	0	0	2	1	0	3	8	15	15	22	69	0
Other	17	0	0	0	0	1	0	0	0	3	5	1	7	0
<b>New Castle</b>														
All Races	2206	22	4	3	1	3	8	28	55	147	252	300	1383	0
White	1698	9	3	3	1	3	5	13	40	87	166	221	1147	0
Black	473	12	1	0	0	0	3	15	15	55	82	70	220	0
Other	35	1	0	0	0	0	0	0	0	5	4	9	16	0
Wilmington														
All Races	372	7	1	0	0	0	2	7	11	30	48	43	223	0
White	172	2	0	0	0	0	0	2	2	8	12	16	130	0
Black	196	5	1	0	0	0	2	5	9	22	36	26	90	0
Other	4	0	0	0	0	0	0	0	0	0	0	1	3	0
Balance of NC County														
All Races	1834	15	3	3	1	3	6	21	44	117	204	257	1160	0
White	1526	7	3	3	1	3	5	11	38	79	154	205	1017	0
Black	277	7	0	0	0	0	1	10	6	33	46	44	130	0
Other	31	1	0	0	0	0	0	0	0	5	4	8	13	0
<b>Sussex</b>														
All Races	1075	2	1	0	1	2	3	7	12	57	100	179	711	0
White	952	1	0	0	1	2	1	6	11	48	86	160	636	0
Black	113	1	1	0	0	0	2	1	1	9	13	16	69	0
Other	10	0	0	0	0	0	0	0	0	0	1	3	6	0

Source:  
Delaware Health Statistics Center

NDRCAGFE



TABLE F-6  
MORTALITY TRENDS BY RACE, ETHNICITY, GENDER, AND AGE  
DELAWARE, 2002-2012

CHARACTERISTIC	Year											
	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Resident Deaths</b>												
Number	7114	6860	7067	7124	7424	7144	7246	7602	7498	7667	7816	7873
Crude Rate	894.0	850.9	863.9	857.5	878.4	831.4	831.2	860.1	840.8	852.1	861.7	860.8
AADR <sup>2</sup>	894.6	838.8	835.9	814.5	818.1	762.7	748.3	760.5	730.8	727.8	726.4	709.7
<b>Decedent's Race/Ethnicity</b>												
White												
Number	5886	5694	5782	5862	6129	5856	5985	6309	6113	6274	6412	6348
Percent	82.7%	83.0%	81.8%	82.3%	82.6%	82.0%	82.6%	83.0%	81.5%	81.8%	82.0%	80.6%
AADR <sup>2</sup>	862.5	813.6	800.3	788.1	794.6	741.0	734.8	753.4	713.6	718.2	721.8	695.3
Black												
Number	1180	1111	1241	1204	1235	1225	1181	1217	1270	1258	1256	1392
Percent	16.6%	16.2%	17.6%	16.9%	16.6%	17.1%	16.3%	16.0%	16.9%	16.4%	16.1%	17.7%
AADR <sup>2</sup>	1113.4	1025.5	1099.6	1046.7	1024.3	943.9	889.2	860.7	866.5	834.4	795.7	858.5
Hispanic <sup>1</sup>												
Number	90	95	105	121	121	126	178	189	164	142	144	148
Percent	1.3%	1.4%	1.5%	1.7%	1.6%	1.8%	2.5%	2.5%	2.2%	1.9%	1.8%	1.9%
AADR <sup>2</sup>	690.6	659.7	615.7	730.0	624.5	485.8	775.5	789.6	691.0	550.0	536.1	504.9
<b>Decedent's Gender</b>												
Female												
Number	3663	3486	3559	3517	3746	3590	3614	3850	3782	3802	3946	4015
Percent	51.5%	50.8%	50.4%	49.4%	50.5%	50.3%	49.9%	50.6%	50.4%	49.6%	50.5%	51.0%
AADR <sup>2</sup>	773.4	714.3	706.2	679.7	694.2	647.3	630.3	651.9	624.0	610.8	625.0	613.9
Male												
Number	3451	3374	3508	3607	3678	3554	3632	3752	3716	3865	3870	3858
Percent	48.5%	49.2%	49.6%	50.6%	49.5%	49.7%	50.1%	49.4%	49.6%	50.4%	49.5%	49.0%
AADR <sup>2</sup>	1059.0	1002.7	997.9	996.9	976.6	905.9	893.5	894.3	860.2	869.9	849.7	826.0
<b>Decedent's age</b>												
<1												
Number	114	96	107	97	106	99	91	101	91	88	98	84
Percent	1.6%	1.4%	1.5%	1.4%	1.4%	1.4%	1.3%	1.3%	1.2%	1.1%	1.3%	1.1%
1-14												
Number	31	39	22	44	26	20	15	23	27	18	28	30
Percent	0.4%	0.6%	0.3%	0.6%	0.4%	0.3%	0.2%	0.3%	0.4%	0.2%	0.4%	0.4%
15-24												
Number	86	85	101	97	78	92	88	91	92	97	86	89
Percent	1.2%	1.2%	1.4%	1.4%	1.1%	1.3%	1.2%	1.2%	1.2%	1.3%	1.1%	1.1%
25-44												
Number	427	403	389	387	375	427	385	400	359	362	356	388
Percent	6.0%	5.9%	5.5%	5.4%	5.1%	6.0%	5.3%	5.3%	4.8%	4.7%	4.6%	4.9%
45-64												
Number	1276	1214	1327	1338	1406	1410	1418	1552	1529	1578	1579	1620
Percent	17.9%	17.7%	18.8%	18.8%	18.9%	19.7%	19.6%	20.4%	20.4%	20.6%	20.2%	20.6%
65-74												
Number	1339	1276	1244	1310	1272	1232	1238	1276	1313	1307	1357	1325
Percent	18.8%	18.6%	17.6%	18.4%	17.1%	17.2%	17.1%	16.8%	17.5%	17.0%	17.4%	16.8%
75-84												
Number	2139	2061	2096	2039	2160	1960	2022	2043	1944	1976	2077	1897
Percent	30.1%	30.0%	29.7%	28.6%	29.1%	27.4%	27.9%	26.9%	25.9%	25.8%	26.6%	24.1%
85+												
Number	1702	1686	1781	1812	2001	1904	1985	2116	2143	2241	2235	2440
Percent	23.9%	24.6%	25.2%	25.4%	27.0%	26.7%	27.4%	27.8%	28.6%	29.2%	28.6%	31.0%

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**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, 2012

Cause of Death <sup>1</sup>	Deaths		Median Age at Death	
	Number	Percent	Male	Female
<b>All causes</b>	7,873	100.0	73	81
<b>Malignant neoplasms</b>	1,934	24.6	72	72
<b>Diseases of heart</b>	1,787	22.7	76	85
<b>Dementia</b>	513	6.5	85	89
<b>Chronic lower respiratory diseases</b>	423	5.4	78	79
<b>Cerebrovascular diseases</b>	403	5.1	82	84
<b>Accidents (unintentional injuries)</b>	371	4.7	47	58
<b>Diabetes mellitus</b>	242	3.1	72	77
<b>Alzheimer's disease</b>	214	2.7	85	88
<b>Nephritis, nephrotic syndrome &amp; nephrosis</b>	139	1.8	76	82
<b>Intentional self-harm (suicide)</b>	125	1.6	45	50
<b>Septicemia</b>	121	1.5	73	74
<b>Influenza &amp; pneumonia</b>	121	1.5	84	88
<b>Other diseases of respiratory system</b>	107	1.4	81	82
<b>Chronic liver disease &amp; cirrhosis</b>	76	1.0	58	64
<b>Parkinson's disease</b>	71	0.9	79	84
<b>Other diseases of circulatory system</b>	66	0.8	74	81
<b>Assault (homicide)</b>	64	0.8	28	31
<b>Certain conditions originating in the perinatal period</b>	56	0.7	0	0
<b>Pneumonitis due to solids &amp; liquids</b>	44	0.6	85	84
<b>Essential (primary) hypertension &amp; hypertensive renal disease</b>	43	0.5	78	87
<b>Alcohol-induced deaths<sup>2</sup></b>	62	0.8	56	53
<b>Drug-induced deaths<sup>2</sup></b>	152	1.9	41	46

LCODARBS

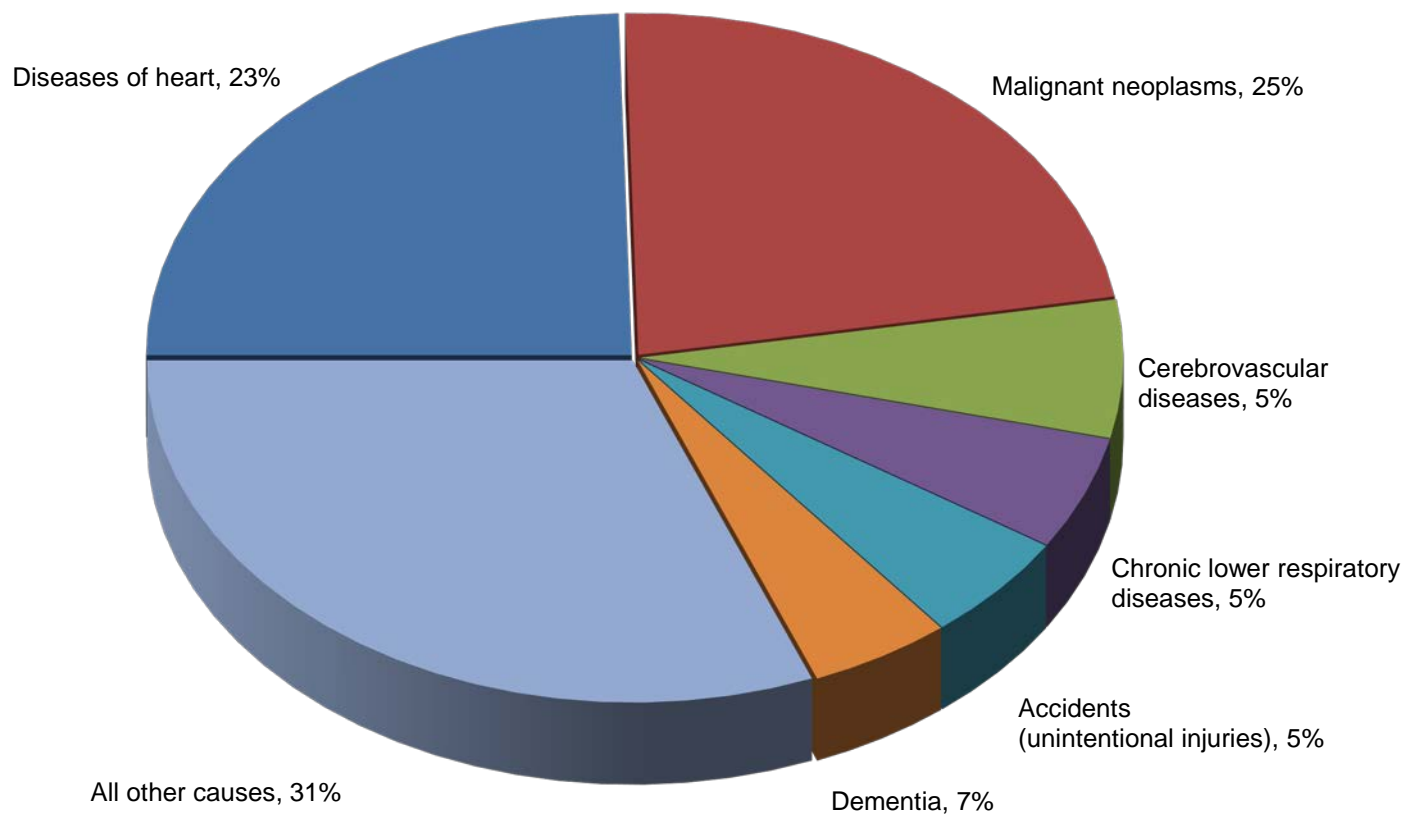
**Notes:**

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

**Source:**

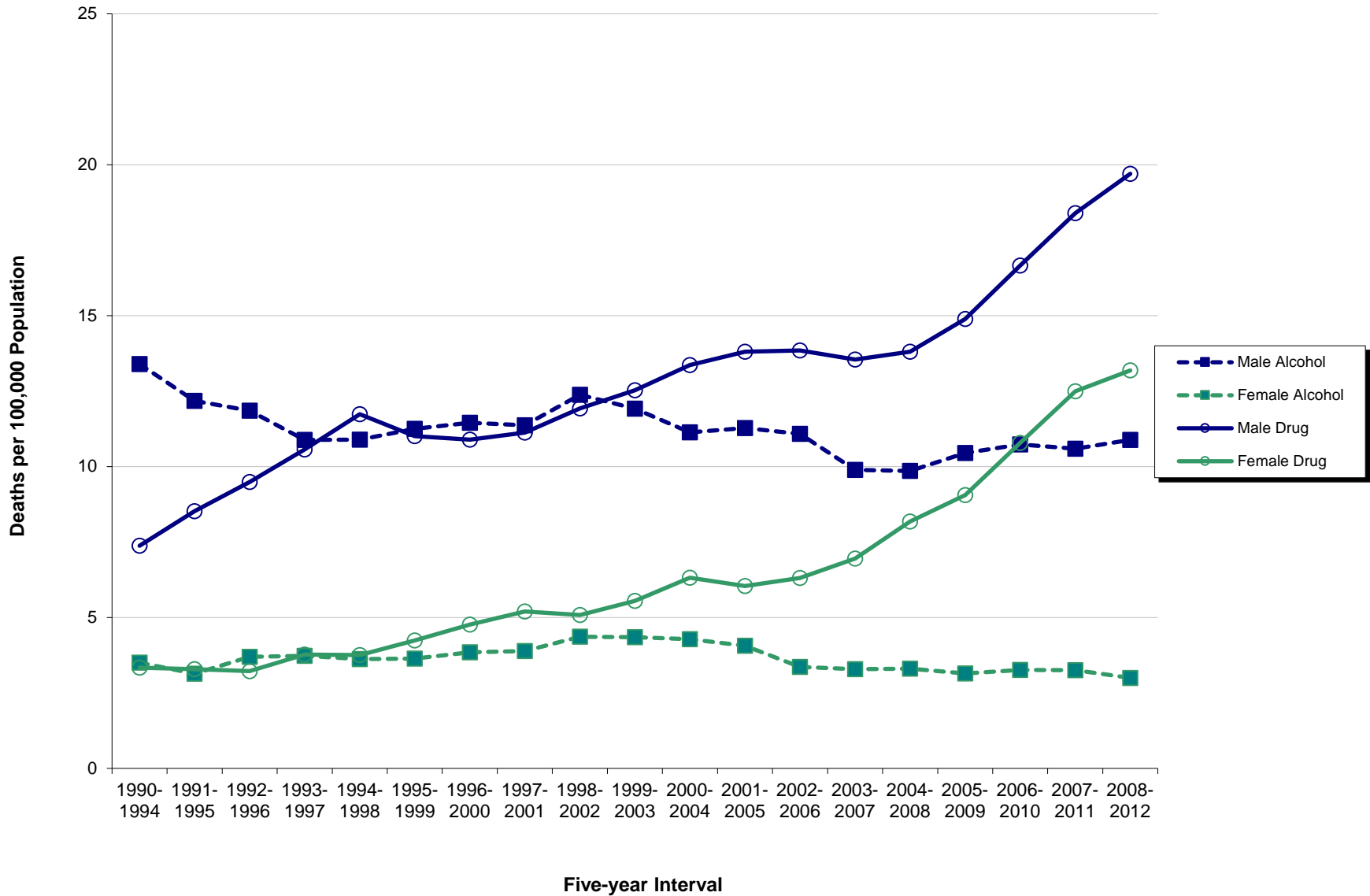
Delaware Health Statistics Center

**Figure F-1**  
**Leading Causes of Death**  
**Delaware, 2012**



**Source:** Delaware Health Statistics Center

**Figure F-2**  
**Five-year Age-adjusted Drug- and Alcohol-Induced Mortality Rates by Sex**  
**Delaware, 1990-2012**



Source: Delaware Health Statistics Center

TABLE F-8  
LEADING CAUSES OF DEATH  
COUNTIES AND CITY OF WILMINGTON, 2008-2012

**Kent**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	1746	25.2
Diseases of heart	1726	24.9
Chronic lower respiratory diseases	454	6.6
Cerebrovascular diseases	316	4.6
Accidents (unintentional injuries)	302	4.4
Diabetes mellitus	201	2.9
Alzheimer's disease	180	2.6
Septicemia	137	2.0
Nephritis, nephrotic syndrome & nephrosis	128	1.8
Influenza & pneumonia	118	1.7
Intentional self-harm (suicide)	100	1.4
Chronic liver disease & cirrhosis	76	1.1
Essential (primary) hypertension & hypertensive renal disease	63	0.9
Certain conditions originating in the perinatal period	45	0.7
Parkinson's disease	42	0.6
In situ neoplasms, benign neoplasms & neoplasms of uncertain behavior	38	0.5
All other causes	1249	18.0
<b>Total</b>	<b>6921</b>	<b>100.0</b>

**New Castle**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	5129	24.1
Diseases of heart	4578	21.5
Cerebrovascular diseases	1218	5.7
Chronic lower respiratory diseases	1150	5.4
Accidents (unintentional injuries)	966	4.5
Diabetes mellitus	625	2.9
Nephritis, nephrotic syndrome & nephrosis	478	2.2
Alzheimer's disease	443	2.1
Influenza & pneumonia	382	1.8
Septicemia	317	1.5
Intentional self-harm (suicide)	312	1.5
Chronic liver disease & cirrhosis	227	1.1
Assault (homicide)	219	1.0
Certain conditions originating in the perinatal period	196	0.9
Parkinson's disease	172	0.8
Human immunodeficiency virus (HIV) disease	159	0.7
All other causes	4694	22.1
<b>Total</b>	<b>21265</b>	<b>100.0</b>

**City of Wilmington**

Cause of Death*	Deaths	
	#	%
Diseases of heart	749	21.3
Malignant neoplasms	708	20.1
Cerebrovascular diseases	218	6.2
Chronic lower respiratory diseases	167	4.7
Accidents (unintentional injuries)	151	4.3
Diabetes mellitus	145	4.1
Human immunodeficiency virus (HIV) disease	105	3.0
Assault (homicide)	99	2.8
Nephritis, nephrotic syndrome & nephrosis	98	2.8
Alzheimer's disease	59	1.7
Certain conditions originating in the perinatal period	56	1.6
Influenza & pneumonia	53	1.5
Chronic liver disease & cirrhosis	51	1.4
Septicemia	45	1.3
Essential (primary) hypertension & hypertensive renal disease	37	1.1
Intentional self-harm (suicide)	31	0.9
All other causes	747	21.2
<b>Total</b>	<b>3519</b>	<b>100.0</b>

**Sussex**

Cause of Death*	Deaths	
	#	%
Diseases of heart	2593	25.2
Malignant neoplasms	2552	24.8
Chronic lower respiratory diseases	617	6.0
Accidents (unintentional injuries)	473	4.6
Cerebrovascular diseases	471	4.6
Alzheimer's disease	377	3.7
Diabetes mellitus	259	2.5
Nephritis, nephrotic syndrome & nephrosis	213	2.1
Influenza & pneumonia	154	1.5
Septicemia	147	1.4
Chronic liver disease & cirrhosis	140	1.4
Intentional self-harm (suicide)	138	1.3
Parkinson's disease	96	0.9
Pneumonitis due to solids & liquids	80	0.8
In situ neoplasms, benign neoplasms & neoplasms of uncertain behavior	63	0.6
Essential (primary) hypertension & hypertensive renal disease	61	0.6
All other causes	1836	17.9
<b>Total</b>	<b>10270</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

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TABLE F-9  
TEN LEADING CAUSES OF DEATH BY SEX AND RACE GROUP  
DELAWARE, 2008-2012

All Races, Male

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4896	25.7
Diseases of heart	4604	24.2
Accidents (unintentional injuries)	1101	5.8
Chronic lower respiratory diseases	966	5.1
Cerebrovascular diseases	825	4.3
Diabetes mellitus	543	2.8
Intentional self-harm (suicide)	439	2.3
Nephritis, nephrotic syndrome & nephrosis	388	2.0
Influenza & pneumonia	318	1.7
Chronic liver disease & cirrhosis	306	1.6
All other causes	4675	24.5
<b>Total</b>	<b>19061</b>	<b>100.0</b>

All Races, Female

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4531	23.4
Diseases of heart	4293	22.1
Chronic lower respiratory diseases	1255	6.5
Cerebrovascular diseases	1180	6.1
Alzheimer's disease	709	3.7
Accidents (unintentional injuries)	640	3.3
Diabetes mellitus	542	2.8
Nephritis, nephrotic syndrome & nephrosis	431	2.2
Influenza & pneumonia	336	1.7
Septicemia	333	1.7
All other causes	5145	26.5
<b>Total</b>	<b>19395</b>	<b>100.0</b>

White, Both Sexes

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	7733	24.6
Diseases of heart	7411	23.6
Chronic lower respiratory diseases	1970	6.3
Cerebrovascular diseases	1618	5.1
Accidents (unintentional injuries)	1472	4.7
Alzheimer's disease	872	2.8
Diabetes mellitus	774	2.5
Nephritis, nephrotic syndrome & nephrosis	606	1.9
Influenza & pneumonia	554	1.8
Intentional self-harm (suicide)	482	1.5
All other causes	7964	25.3
<b>Total</b>	<b>31456</b>	<b>100.0</b>

Black, Both Sexes

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	1536	24.0
Diseases of heart	1368	21.4
Cerebrovascular diseases	354	5.5
Diabetes mellitus	290	4.5
Chronic lower respiratory diseases	236	3.7
Accidents (unintentional injuries)	235	3.7
Nephritis, nephrotic syndrome & nephrosis	202	3.2
Assault (homicide)	172	2.7
Human immunodeficiency virus (HIV) disease	167	2.6
Certain conditions originating in the perinatal period	151	2.4
All other causes	1682	26.3
<b>Total</b>	<b>6393</b>	<b>100.0</b>

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Hispanic, Both Sexes

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	149	18.9
Diseases of heart	129	16.4
Accidents (unintentional injuries)	77	9.8
Cerebrovascular diseases	41	5.2
Diabetes mellitus	38	4.8
Chronic lower respiratory diseases	31	3.9
Certain conditions originating in the perinatal period	26	3.3
Assault (homicide)	25	3.2
Intentional self-harm (suicide)	20	2.5
chromosomal abnormalities	20	2.5
All other causes	231	29.4
<b>Total</b>	<b>787</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, 2008-2012

White Male

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4027	26.0
Diseases of heart	3846	24.8
Accidents (unintentional injuries)	917	5.9
Chronic lower respiratory diseases	835	5.4
Cerebrovascular diseases	646	4.2
Diabetes mellitus	400	2.6
Intentional self-harm (suicide)	381	2.5
Nephritis, nephrotic syndrome & nephrosis	285	1.8
Influenza & pneumonia	269	1.7
Alzheimer's disease	261	1.7
All other causes	3610	23.3
<b>Total</b>	<b>15477</b>	<b>100.0</b>

White Females

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	3706	23.2
Diseases of heart	3565	22.3
Chronic lower respiratory diseases	1135	7.1
Cerebrovascular diseases	972	6.1
Alzheimer's disease	611	3.8
Accidents (unintentional injuries)	555	3.5
Diabetes mellitus	374	2.3
Nephritis, nephrotic syndrome & nephrosis	321	2.0
Influenza & pneumonia	285	1.8
Septicemia	261	1.6
All other causes	4194	26.2
<b>Total</b>	<b>15979</b>	<b>100.0</b>

Black Males

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	788	24.1
Diseases of heart	698	21.3
Cerebrovascular diseases	164	5.0
Accidents (unintentional injuries)	162	5.0
Assault (homicide)	157	4.8
Diabetes mellitus	132	4.0
Chronic lower respiratory diseases	120	3.7
Human immunodeficiency virus (HIV) disease	104	3.2
Nephritis, nephrotic syndrome & nephrosis	97	3.0
Certain conditions originating in the perinatal period	80	2.4
All other causes	768	23.5
<b>Total</b>	<b>3270</b>	<b>100.0</b>

Black Females

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	748	24.0
Diseases of heart	670	21.5
Cerebrovascular diseases	190	6.1
Diabetes mellitus	158	5.1
Chronic lower respiratory diseases	116	3.7
Nephritis, nephrotic syndrome & nephrosis	105	3.4
Alzheimer's disease	87	2.8
Accidents (unintentional injuries)	73	2.3
Certain conditions originating in the perinatal period	71	2.3
Septicemia	66	2.1
All other causes	839	26.9
<b>Total</b>	<b>3123</b>	<b>100.0</b>

Hispanic Males

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	85	18.1
Diseases of heart	71	15.1
Accidents (unintentional injuries)	60	12.8
Cerebrovascular diseases	23	4.9
Assault (homicide)	22	4.7
Chronic lower respiratory diseases	21	4.5
Diabetes mellitus	21	4.5
Certain conditions originating in the perinatal period	18	3.8
Intentional self-harm (suicide)	15	3.2
chromosomal abnormalities	14	3.0
All other causes	120	25.5
<b>Total</b>	<b>470</b>	<b>100.0</b>

Hispanic Females

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	64	20.2
Diseases of heart	58	18.3
Cerebrovascular diseases	18	5.7
Accidents (unintentional injuries)	17	5.4
Diabetes mellitus	17	5.4
Alzheimer's disease	14	4.4
Chronic lower respiratory diseases	10	3.2
Nephritis, nephrotic syndrome & nephrosis	9	2.8
Certain conditions originating in the perinatal period	8	2.5
chromosomal abnormalities	6	1.9
All other causes	96	30.3
<b>Total</b>	<b>317</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.

LCODRCSX

Source:

TABLE F-11  
TEN LEADING CAUSES OF DEATH BY AGE  
DELAWARE, 2008-2012

1-4 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	10	22.7
Assault (homicide)	5	11.4
chromosomal abnormalities	5	11.4
Malignant neoplasms	3	6.8
Chronic lower respiratory diseases	2	4.5
Complications of medical & surgical care	1	2.3
Certain conditions originating in the perinatal period	1	2.3
Nephritis, nephrotic syndrome & nephrosis	1	2.3
Pneumonitis due to solids & liquids	1	2.3
All other causes	15	34.1
<b>Total</b>	<b>44</b>	<b>100.0</b>

5-14 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	31	37.8
Malignant neoplasms	15	18.3
chromosomal abnormalities	5	6.1
Diseases of heart	4	4.9
Intentional self-harm (suicide)	3	3.7
Assault (homicide)	2	2.4
Chronic lower respiratory diseases	2	2.4
Cerebrovascular diseases	2	2.4
Diabetes mellitus	2	2.4
Septicemia	1	1.2
All other causes	15	18.3
<b>Total</b>	<b>82</b>	<b>100.0</b>

15-24 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	179	39.3
Assault (homicide)	88	19.3
Intentional self-harm (suicide)	73	16.0
Malignant neoplasms	23	5.1
Diseases of heart	14	3.1
Congenital malformations, deformations, & complications of medical & surgical care	6	1.3
Pregnancy, childbirth & the puerperium	4	0.9
Nephritis, nephrotic syndrome & nephrosis	3	0.7
Chronic lower respiratory diseases	2	0.4
All other causes	60	13.2
<b>Total</b>	<b>455</b>	<b>100.0</b>

25-44 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	517	27.7
Diseases of heart	263	14.1
Malignant neoplasms	228	12.2
Intentional self-harm (suicide)	170	9.1
Assault (homicide)	123	6.6
Human immunodeficiency virus (HIV) disease	57	3.1
Diabetes mellitus	54	2.9
Cerebrovascular diseases	37	2.0
Chronic liver disease & cirrhosis	23	1.2
Influenza & pneumonia	21	1.1
All other causes	372	19.9
<b>Total</b>	<b>1865</b>	<b>100.0</b>

45-64 Years

Cause of Death*	Deaths	
	Number	Percent
Malignant neoplasms	2612	33.2
Diseases of heart	1598	20.3
Accidents (unintentional injuries)	483	6.1
Diabetes mellitus	277	3.5
Chronic lower respiratory diseases	269	3.4
Cerebrovascular diseases	264	3.4
Chronic liver disease & cirrhosis	261	3.3
Intentional self-harm (suicide)	231	2.9
Septicemia	149	1.9
Nephritis, nephrotic syndrome & nephrosis	145	1.8
All other causes	1569	20.0
<b>Total</b>	<b>7858</b>	<b>100.0</b>

65+ Years

Cause of Death*	Deaths	
	Number	Percent
Diseases of heart	7013	25.3
Malignant neoplasms	6545	23.6
Chronic lower respiratory diseases	1929	7.0
Cerebrovascular diseases	1694	6.1
Alzheimer's disease	986	3.6
Diabetes mellitus	751	2.7
Nephritis, nephrotic syndrome & nephrosis	654	2.4
Influenza & pneumonia	549	2.0
Accidents (unintentional injuries)	511	1.8
Septicemia	429	1.5
All other causes	6629	23.9
<b>Total</b>	<b>27690</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, 2012  
**(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>	1787	2	0	1	0	1	2	11	47	125	176	278	1144	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	8	0	0	0	0	0	0	0	0	0	1	2	5	0
Hypertensive heart disease (I11)	77	0	0	0	0	0	0	0	9	13	17	10	28	0
Hypertensive heart and renal disease (I13)	9	0	0	0	0	0	0	0	0	2	1	0	6	0
Ischemic heart disease (I20-I25)	1184	0	0	0	0	0	0	5	22	67	117	201	772	0
All other forms of heart disease (I26-I51)	509	2	0	1	0	1	2	6	16	43	40	65	333	0
<b>Malignant neoplasms (C00-C97)</b>	1934	0	0	2	1	2	2	11	33	174	375	487	847	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	32	0	0	0	0	0	0	0	1	4	7	8	12	0
Malignant neoplasms of digestive organs (C15-C26)	450	0	0	1	0	0	0	1	6	43	103	120	176	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	595	0	0	0	0	0	0	0	7	45	114	177	252	0
Malignant neoplasms of breast (C50)	136	0	0	0	0	0	0	2	4	23	29	27	51	0
Malignant neoplasms of female genital organs, (C51-C58)	98	0	0	0	0	0	0	1	4	13	20	21	39	0
Malignant neoplasms of male genital organs, (C60-C63)	87	0	0	0	0	0	0	1	1	4	7	18	56	0
Malignant neoplasms of urinary tract (C64-C68)	83	0	0	0	0	0	0	0	1	9	13	18	42	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	46	0	0	1	1	2	0	2	4	1	13	10	12	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	188	0	0	0	0	0	1	3	2	13	29	38	102	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	219	0	0	0	0	0	1	1	3	19	40	50	105	0
<b>Cerebrovascular diseases (I60-I69)</b>	403	1	0	0	0	0	0	2	5	23	30	49	293	0

TABLE F-12 (continued)  
(2012 - 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>	423	0	1	0	0	0	0	1	4	13	47	94	263	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	371	1	1	1	2	9	22	61	41	73	51	20	89	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	1	0	1	6	9	28	17	25	8	6	9	0
Nontransport Accidents (W00-X59, Y86)	256	1	0	1	1	3	13	33	24	47	41	14	78	0
<b>Diabetes mellitus (E10-E14)</b>	242	0	0	0	1	0	0	2	5	24	43	50	117	0
<b>Influenza and pneumonia (J10-J18)</b>	121	0	0	0	0	0	0	0	2	6	8	15	90	0
<b>Alzheimer's disease (G30)</b>	214	0	0	0	0	0	0	0	0	0	6	8	200	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	139	0	1	0	0	0	0	0	1	4	23	24	86	0
<b>Septicemia (A40-A41)</b>	121	0	0	0	0	1	0	0	2	8	21	33	56	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	125	0	0	0	2	11	6	28	12	30	16	10	10	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	76	0	0	0	0	0	0	2	6	16	24	17	11	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	43	0	0	0	0	0	0	0	1	1	5	5	31	0
<b>Aortic aneurysm and dissection (I71)</b>	32	0	0	0	0	0	0	0	3	4	1	6	18	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	64	1	3	0	0	6	9	22	7	8	4	3	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	36	0	0	0	0	0	1	4	4	13	9	4	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	56	55	0	0	1	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	25	16	0	1	0	0	1	0	0	0	2	3	2	0
<b>All other causes</b>	1661	8	8	2	2	5	11	25	46	99	158	219	1078	0
<b>TOTAL</b>	7873	84	14	7	9	35	54	169	219	621	999	1325	4337	0

Note:  
\*ICD Codes, Tenth Revision.

LCDAGEDE

Source:  
Delaware Health Statistics Center

TABLE F-13  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
KENT, 2012  
(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>	329	0	0	0	0	0	0	0	9	23	38	54	205	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Hypertensive heart disease (I11)	21	0	0	0	0	0	0	0	1	3	8	4	5	0
Hypertensive heart and renal disease (I13)	3	0	0	0	0	0	0	0	0	0	1	0	2	0
Ischemic heart disease (I20-I25)	208	0	0	0	0	0	0	0	3	13	21	33	138	0
All other forms of heart disease (I26-I51)	95	0	0	0	0	0	0	0	5	7	8	16	59	0
<b>Malignant neoplasms (C00-C97)</b>	383	0	0	0	1	1	0	3	8	39	79	102	150	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	14	0	0	0	0	0	0	0	0	1	4	4	5	0
Malignant neoplasms of digestive organs (C15-C26)	86	0	0	0	0	0	0	0	2	14	21	27	22	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	115	0	0	0	0	0	0	0	3	9	23	35	45	0
Malignant neoplasms of breast (C50)	26	0	0	0	0	0	0	1	1	6	5	5	8	0
Malignant neoplasms of female genital organs, (C51-C58)	16	0	0	0	0	0	0	0	1	0	6	2	7	0
Malignant neoplasms of male genital organs, (C60-C63)	18	0	0	0	0	0	0	0	0	0	2	4	12	0
Malignant neoplasms of urinary tract (C64-C68)	13	0	0	0	0	0	0	0	0	2	1	3	7	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	11	0	0	0	1	1	0	0	1	0	3	1	4	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	36	0	0	0	0	0	0	1	0	1	4	11	19	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	48	0	0	0	0	0	0	1	0	6	10	10	21	0
<b>Cerebrovascular diseases (I60-I69)</b>	82	0	0	0	0	0	0	1	0	7	7	13	54	0

TABLE F-13 (continued)  
(2012 - 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>	87	0	0	0	0	0	0	1	1	4	10	18	53	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	75	0	0	0	1	0	4	13	10	20	9	2	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)	19	0	0	0	0	0	2	6	1	5	3	0	2	0
Nontransport Accidents (W00-X59, Y86)	54	0	0	0	1	0	2	7	9	14	5	2	14	0
<b>Diabetes mellitus (E10-E14)</b>	35	0	0	0	1	0	0	0	0	1	8	10	15	0
<b>Influenza and pneumonia (J10-J18)</b>	27	0	0	0	0	0	0	0	0	2	3	7	15	0
<b>Alzheimer's disease (G30)</b>	40	0	0	0	0	0	0	0	0	0	3	3	34	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	22	0	0	0	0	0	0	0	0	2	3	4	13	0
<b>Septicemia (A40-A41)</b>	23	0	0	0	0	0	0	0	2	1	4	8	8	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	24	0	0	0	1	5	2	6	2	5	1	0	2	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	8	0	0	0	0	0	0	0	1	1	1	4	1	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	12	0	0	0	0	0	0	0	0	0	2	2	8	0
<b>Aortic aneurysm and dissection (I71)</b>	9	0	0	0	0	0	0	0	1	2	1	0	5	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	7	0	2	0	0	0	0	2	2	0	1	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	8	0	0	0	0	0	1	1	0	3	2	0	1	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>	3	2	0	0	0	0	0	0	0	0	1	0	0	0
<b>All other causes</b>	276	3	1	0	0	3	2	7	11	22	30	43	154	0
<b>TOTAL</b>	1462	17	3	0	4	9	9	34	47	132	203	270	734	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, 2012  
**(ALL RACES, BOTH SEXES)**

Cause of Death*	Age of Decedent													Unk
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	919	2	0	1	0	0	2	7	30	78	102	137	560	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	3	0	0	0	0	0	0	0	0	0	0	0	3	0
Hypertensive heart disease (I11)	43	0	0	0	0	0	0	0	6	8	8	3	18	0
Hypertensive heart and renal disease (I13)	5	0	0	0	0	0	0	0	0	2	0	0	3	0
Ischemic heart disease (I20-I25)	604	0	0	0	0	0	0	4	13	41	71	101	374	0
All other forms of heart disease (I26-I51)	264	2	0	1	0	0	2	3	11	27	23	33	162	0
<b>Malignant neoplasms (C00-C97)</b>	1008	0	0	2	0	0	2	8	19	96	208	234	439	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	10	0	0	0	0	0	0	0	1	1	2	2	4	0
Malignant neoplasms of digestive organs (C15-C26)	236	0	0	1	0	0	0	1	3	24	59	55	93	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	292	0	0	0	0	0	0	0	3	26	60	74	129	0
Malignant neoplasms of breast (C50)	71	0	0	0	0	0	0	1	3	10	15	14	28	0
Malignant neoplasms of female genital organs, (C51-C58)	60	0	0	0	0	0	0	1	2	9	11	14	23	0
Malignant neoplasms of male genital organs, (C60-C63)	45	0	0	0	0	0	0	1	0	1	5	12	26	0
Malignant neoplasms of urinary tract (C64-C68)	45	0	0	0	0	0	0	0	0	4	8	9	24	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	21	0	0	1	0	0	0	2	2	1	7	5	3	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	105	0	0	0	0	0	1	2	2	11	18	20	51	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	123	0	0	0	0	0	1	0	3	9	23	29	58	0
<b>Cerebrovascular diseases (I60-I69)</b>	232	1	0	0	0	0	0	1	4	11	20	18	177	0

TABLE F-14 (continued)  
(2012 - 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>	212	0	0	0	0	0	0	0	3	5	26	44	134	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	206	0	0	0	1	5	14	29	27	36	30	9	55	0
Motor Vehicle Accidents (V02-V04, (V09.0,V09.2,V12-V14, V19.0-V19.2, V19.4-V19.6,V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8,V89.0,V89.2)	56	0	0	0	1	3	4	12	15	11	4	2	4	0
Nontransport Accidents (W00-X59, Y86)	148	0	0	0	0	2	10	17	12	25	26	7	49	0
<b>Diabetes mellitus (E10-E14)</b>	142	0	0	0	0	0	0	1	4	19	24	29	65	0
<b>Influenza and pneumonia (J10-J18)</b>	68	0	0	0	0	0	0	0	2	4	2	6	54	0
<b>Alzheimer's disease (G30)</b>	107	0	0	0	0	0	0	0	0	0	1	3	103	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	75	0	0	0	0	0	0	0	1	2	16	12	44	0
<b>Septicemia (A40-A41)</b>	58	0	0	0	0	1	0	0	0	7	11	10	29	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	68	0	0	0	0	3	2	16	7	23	10	4	3	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	41	0	0	0	0	0	0	1	2	9	18	6	5	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	20	0	0	0	0	0	0	0	1	1	3	2	13	0
<b>Aortic aneurysm and dissection (I71)</b>	15	0	0	0	0	0	0	0	2	2	0	3	8	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	51	1	1	0	0	6	8	19	4	7	3	2	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	27	0	0	0	0	0	0	3	3	10	7	4	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	39	38	0	0	1	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	16	11	0	1	0	0	1	0	0	0	1	2	0	0
<b>All other causes</b>	956	5	6	1	2	0	4	17	28	59	89	113	632	0
<b>TOTAL</b>	4260	58	7	5	4	15	33	102	137	369	571	638	2321	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, 2012  
(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>	146	0	0	0	0	0	0	4	4	17	22	23	76	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)	8	0	0	0	0	0	0	0	0	2	2	0	4	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)	99	0	0	0	0	0	0	2	1	11	18	19	48	0
All other forms of heart disease (I26-I51)	36	0	0	0	0	0	0	2	3	3	2	4	22	0
<b>Malignant neoplasms (C00-C97)</b>	159	0	0	0	0	0	0	3	4	18	33	33	68	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5	0	0	0	0	0	0	0	0	1	0	2	2	0
Malignant neoplasms of digestive organs (C15-C26)	38	0	0	0	0	0	0	1	0	4	8	4	21	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	52	0	0	0	0	0	0	0	1	3	13	13	22	0
Malignant neoplasms of breast (C50)	11	0	0	0	0	0	0	0	1	0	3	2	5	0
Malignant neoplasms of female genital organs, (C51-C58)	7	0	0	0	0	0	0	0	1	1	1	2	2	0
Malignant neoplasms of male genital organs, (C60-C63)	7	0	0	0	0	0	0	0	0	0	1	3	3	0
Malignant neoplasms of urinary tract (C64-C68)	7	0	0	0	0	0	0	0	0	1	0	1	5	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	3	0	0	0	0	0	0	1	0	1	1	0	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	16	0	0	0	0	0	0	1	0	5	3	3	4	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	13	0	0	0	0	0	0	0	1	2	3	3	4	0
<b>Cerebrovascular diseases (I60-I69)</b>	44	1	0	0	0	0	0	1	0	4	5	2	31	0

TABLE F-15 (continued)  
(2012 - City of Wilmington, All Races, Both Sexes)

	Age of Decedent												Unk	
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74		75+
<b>Chronic lower respiratory diseases (J40-J47)</b>	30	0	0	0	0	0	0	0	0	2	3	7	18	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	24	0	0	0	0	0	0	7	1	4	6	1	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)	6	0	0	0	0	0	0	3	1	0	1	1	0	0
Nontransport Accidents (W00-X59, Y86)	18	0	0	0	0	0	0	4	0	4	5	0	5	0
<b>Diabetes mellitus (E10-E14)</b>	24	0	0	0	0	0	0	1	2	5	5	1	10	0
<b>Influenza and pneumonia (J10-J18)</b>	15	0	0	0	0	0	0	0	1	1	1	2	10	0
<b>Alzheimer's disease (G30)</b>	15	0	0	0	0	0	0	0	0	0	0	2	13	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	14	0	0	0	0	0	0	0	0	0	5	3	6	0
<b>Septicemia (A40-A41)</b>	8	0	0	0	0	0	0	0	0	2	1	2	3	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	5	0	0	0	0	1	0	2	0	1	0	0	1	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	10	0	0	0	0	0	0	0	0	1	5	1	3	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	5	0	0	0	0	0	0	0	1	1	0	1	2	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	1	0	0	3	2	6	3	2	0	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	15	0	0	0	0	0	0	0	1	7	4	3	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	15	15	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	4	4	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	139	0	2	0	0	0	2	2	4	5	17	19	88	0
<b>TOTAL</b>	691	20	3	0	0	4	4	26	21	70	107	101	335	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, 2012  
(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>	539	0	0	0	0	1	0	4	8	24	36	87	379	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)	13	0	0	0	0	0	0	0	2	2	1	3	5	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)	372	0	0	0	0	0	0	1	6	13	25	67	260	0
All other forms of heart disease (I26-I51)	150	0	0	0	0	1	0	3	0	9	9	16	112	0
<b>Malignant neoplasms (C00-C97)</b>	543	0	0	0	0	1	0	0	6	39	88	151	258	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	8	0	0	0	0	0	0	0	0	2	1	2	3	0
Malignant neoplasms of digestive organs (C15-C26)	128	0	0	0	0	0	0	0	1	5	23	38	61	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	188	0	0	0	0	0	0	0	1	10	31	68	78	0
Malignant neoplasms of breast (C50)	39	0	0	0	0	0	0	0	0	7	9	8	15	0
Malignant neoplasms of female genital organs, (C51-C58)	22	0	0	0	0	0	0	0	1	4	3	5	9	0
Malignant neoplasms of male genital organs, (C60-C63)	24	0	0	0	0	0	0	0	1	3	0	2	18	0
Malignant neoplasms of urinary tract (C64-C68)	25	0	0	0	0	0	0	0	1	3	4	6	11	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	14	0	0	0	0	1	0	0	1	0	3	4	5	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	47	0	0	0	0	0	0	0	0	1	7	7	32	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	48	0	0	0	0	0	0	0	0	4	7	11	26	0
<b>Cerebrovascular diseases (I60-I69)</b>	89	0	0	0	0	0	0	0	1	5	3	18	62	0

TABLE F-16 (continued)  
(2012 - 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>	124	0	1	0	0	0	0	0	0	4	11	32	76	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	90	1	1	1	0	4	4	19	4	17	12	9	18	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)	35	0	1	0	0	3	3	10	1	9	1	4	3	0
Nontransport Accidents (W00-X59, Y86)	54	1	0	1	0	1	1	9	3	8	10	5	15	0
<b>Diabetes mellitus (E10-E14)</b>	65	0	0	0	0	0	0	1	1	4	11	11	37	0
<b>Influenza and pneumonia (J10-J18)</b>	26	0	0	0	0	0	0	0	0	0	3	2	21	0
<b>Alzheimer's disease (G30)</b>	67	0	0	0	0	0	0	0	0	0	2	2	63	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	42	0	1	0	0	0	0	0	0	0	4	8	29	0
<b>Septicemia (A40-A41)</b>	40	0	0	0	0	0	0	0	0	0	6	15	19	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	33	0	0	0	1	3	2	6	3	2	5	6	5	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	27	0	0	0	0	0	0	1	3	6	5	7	5	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	11	0	0	0	0	0	0	0	0	0	0	1	10	0
<b>Aortic aneurysm and dissection (I71)</b>	8	0	0	0	0	0	0	0	0	0	0	3	5	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	6	0	0	0	0	0	1	1	1	1	0	1	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	1	0	0	0	0	0	0	0	1	0	0	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	5	5	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	6	3	0	0	0	0	0	0	0	0	0	1	2	0
<b>All other causes</b>	429	0	1	1	0	2	5	1	7	18	39	63	292	0
<b>TOTAL</b>	2151	9	4	2	1	11	12	33	35	120	225	417	1282	0

LCDAGESX

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

**Source:**  
Delaware Health Statistics Center

TABLE F-17  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2012  
(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>	918	1	0	0	0	1	1	6	27	82	112	191	497	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	4	0	0	0	0	0	0	0	0	0	1	1	2	0
Hypertensive heart disease (I11)	36	0	0	0	0	0	0	0	3	7	13	5	8	0
Hypertensive heart and renal disease (I13)	6	0	0	0	0	0	0	0	0	2	0	0	4	0
Ischemic heart disease (I20-I25)	637	0	0	0	0	0	0	2	16	56	77	140	346	0
All other forms of heart disease (I26-I51)	235	1	0	0	0	1	1	4	8	17	21	45	137	0
<b>Malignant neoplasms (C00-C97)</b>	974	0	0	1	0	0	2	6	14	79	202	246	424	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	23	0	0	0	0	0	0	0	1	4	6	4	8	0
Malignant neoplasms of digestive organs (C15-C26)	261	0	0	1	0	0	0	1	3	29	68	76	83	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	304	0	0	0	0	0	0	0	3	22	60	86	133	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)	87	0	0	0	0	0	0	1	1	4	7	18	56	0
Malignant neoplasms of urinary tract (C64-C68)	50	0	0	0	0	0	0	0	1	4	10	9	26	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	23	0	0	0	0	0	0	1	2	1	7	5	7	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	107	0	0	0	0	0	1	2	1	8	21	21	53	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	119	0	0	0	0	0	1	1	2	7	23	27	58	0
<b>Cerebrovascular diseases (I60-I69)</b>	162	0	0	0	0	0	0	1	3	7	17	23	111	0

TABLE F-17 (continued)  
(2012 - 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>	165	0	1	0	0	0	0	1	1	6	15	42	99	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	239	1	1	1	1	7	17	47	32	50	30	11	41	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)	79	0	1	0	1	4	8	24	14	17	3	5	2	0
Nontransport Accidents (W00-X59, Y86)	156	1	0	1	0	3	9	23	18	33	25	6	37	0
<b>Diabetes mellitus (E10-E14)</b>	123	0	0	0	0	0	0	2	3	14	20	31	53	0
<b>Influenza and pneumonia (J10-J18)</b>	52	0	0	0	0	0	0	0	2	2	4	7	37	0
<b>Alzheimer's disease (G30)</b>	66	0	0	0	0	0	0	0	0	0	3	3	60	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	67	0	1	0	0	0	0	0	1	4	14	11	36	0
<b>Septicemia (A40-A41)</b>	54	0	0	0	0	0	0	0	1	4	10	15	24	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	98	0	0	0	1	7	6	24	10	23	9	10	8	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	48	0	0	0	0	0	0	1	5	12	16	12	2	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	19	0	0	0	0	0	0	0	1	1	3	3	11	0
<b>Aortic aneurysm and dissection (I71)</b>	14	0	0	0	0	0	0	0	2	4	0	2	6	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	55	0	3	0	0	6	8	19	6	7	4	1	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	24	0	0	0	0	0	1	3	1	7	8	3	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	38	37	0	0	1	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	14	11	0	0	0	0	0	0	0	0	0	2	1	0
<b>All other causes</b>	728	1	2	2	1	4	7	14	21	64	87	117	408	0
<b>TOTAL</b>	3858	51	8	4	4	25	42	124	130	366	554	730	1820	0

Note:  
\*ICD Codes, Tenth Revision.

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Source:  
Delaware Health Statistics Center

TABLE F-18  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2012  
(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>	869	1	0	1	0	0	1	5	20	43	64	87	647	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	4	0	0	0	0	0	0	0	0	0	0	1	3	0
Hypertensive heart disease (I11)	41	0	0	0	0	0	0	0	6	6	4	5	20	0
Hypertensive heart and renal disease (I13)	3	0	0	0	0	0	0	0	0	0	1	0	2	0
Ischemic heart disease (I20-I25)	547	0	0	0	0	0	0	3	6	11	40	61	426	0
All other forms of heart disease (I26-I51)	274	1	0	1	0	0	1	2	8	26	19	20	196	0
<b>Malignant neoplasms (C00-C97)</b>	960	0	0	1	1	2	0	5	19	95	173	241	423	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	9	0	0	0	0	0	0	0	0	0	1	4	4	0
Malignant neoplasms of digestive organs (C15-C26)	189	0	0	0	0	0	0	0	3	14	35	44	93	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	291	0	0	0	0	0	0	0	4	23	54	91	119	0
Malignant neoplasms of breast (C50)	136	0	0	0	0	0	0	2	4	23	29	27	51	0
Malignant neoplasms of female genital organs, (C51-C58)	98	0	0	0	0	0	0	1	4	13	20	21	39	0
Malignant neoplasms of urinary tract (C64-C68)	33	0	0	0	0	0	0	0	0	5	3	9	16	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	23	0	0	1	1	2	0	1	2	0	6	5	5	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	81	0	0	0	0	0	0	1	1	5	8	17	49	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	100	0	0	0	0	0	0	0	1	12	17	23	47	0
<b>Cerebrovascular diseases (I60-I69)</b>	241	1	0	0	0	0	0	1	2	16	13	26	182	0

TABLE F-18 (continued)  
(2012 - 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>	258	0	0	0	0	0	0	0	3	7	32	52	164	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	132	0	0	0	1	2	5	14	9	23	21	9	48	0
Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	31	0	0	0	0	2	1	4	3	8	5	1	7	0
Nontransport Accidents (W00-X59, Y86)	100	0	0	0	1	0	4	10	6	14	16	8	41	0
<b>Diabetes mellitus (E10-E14)</b>	119	0	0	0	1	0	0	0	2	10	23	19	64	0
<b>Influenza and pneumonia (J10-J18)</b>	69	0	0	0	0	0	0	0	0	4	4	8	53	0
<b>Alzheimer's disease (G30)</b>	148	0	0	0	0	0	0	0	0	0	3	5	140	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	72	0	0	0	0	0	0	0	0	0	9	13	50	0
<b>Septicemia (A40-A41)</b>	67	0	0	0	0	1	0	0	1	4	11	18	32	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	27	0	0	0	1	4	0	4	2	7	7	0	2	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	28	0	0	0	0	0	0	1	1	4	8	5	9	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	24	0	0	0	0	0	0	0	0	0	2	2	20	0
<b>Aortic aneurysm and dissection (I71)</b>	18	0	0	0	0	0	0	0	1	0	1	4	12	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	9	1	0	0	0	0	1	3	1	1	0	2	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	12	0	0	0	0	0	0	1	3	6	1	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	18	18	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	11	5	0	1	0	0	1	0	0	0	2	1	1	0
<b>All Other Causes</b>	933	7	6	0	1	1	4	11	25	35	71	102	670	0
<b>TOTAL</b>	4015	33	6	3	5	10	12	45	89	255	445	595	2517	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, 2012  
(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>	1465	0	0	1	0	1	1	7	32	77	123	223	1000	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	6	0	0	0	0	0	0	0	0	0	1	2	3	0
Hypertensive heart disease (I11)	49	0	0	0	0	0	0	0	5	6	10	6	22	0
Hypertensive heart and renal disease (I13)	5	0	0	0	0	0	0	0	0	1	0	0	4	0
Ischemic heart disease (I20-I25)	984	0	0	0	0	0	0	3	16	46	82	168	669	0
All other forms of heart disease (I26-I51)	421	0	0	1	0	1	1	4	11	24	30	47	302	0
<b>Malignant neoplasms (C00-C97)</b>	1553	0	0	2	0	2	2	6	24	119	289	400	709	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	26	0	0	0	0	0	0	0	0	4	6	6	10	0
Malignant neoplasms of digestive organs (C15-C26)	337	0	0	1	0	0	0	0	6	28	75	93	134	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	496	0	0	0	0	0	0	0	4	33	93	152	214	0
Malignant neoplasms of breast (C50)	103	0	0	0	0	0	0	2	2	11	24	23	41	0
Malignant neoplasms of female genital organs, (C51-C58)	75	0	0	0	0	0	0	1	2	10	15	15	32	0
Malignant neoplasms of male genital organs, (C60-C63)	71	0	0	0	0	0	0	1	1	3	4	13	49	0
Malignant neoplasms of urinary tract (C64-C68)	73	0	0	0	0	0	0	0	1	8	11	17	36	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	39	0	0	1	0	2	0	1	4	0	11	9	11	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	143	0	0	0	0	0	1	0	2	6	18	27	89	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	190	0	0	0	0	0	1	1	2	16	32	45	93	0
<b>Cerebrovascular diseases (I60-I69)</b>	314	0	0	0	0	0	0	1	3	12	19	33	246	0

TABLE F-19 (continued)  
(2012 - 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>	365	0	0	0	0	0	0	1	3	11	39	84	227	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	306	1	1	0	1	7	18	41	35	66	41	16	79	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)	82	0	1	0	1	5	7	14	13	22	7	5	7	0
Nontransport Accidents (W00-X59, Y86)	220	1	0	0	0	2	11	27	22	44	32	11	70	0
<b>Diabetes mellitus (E10-E14)</b>	174	0	0	0	1	0	0	0	4	13	26	39	91	0
<b>Influenza and pneumonia (J10-J18)</b>	102	0	0	0	0	0	0	0	2	5	7	9	79	0
<b>Alzheimer's disease (G30)</b>	180	0	0	0	0	0	0	0	0	0	6	7	167	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	105	0	1	0	0	0	0	0	1	3	14	17	69	0
<b>Septicemia (A40-A41)</b>	97	0	0	0	0	1	0	0	1	5	19	24	47	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	106	0	0	0	1	10	6	16	10	28	15	10	10	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	64	0	0	0	0	0	0	2	6	13	17	16	10	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	32	0	0	0	0	0	0	0	0	0	3	4	25	0
<b>Aortic aneurysm and dissection (I71)</b>	28	0	0	0	0	0	0	0	2	3	1	6	16	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	20	1	1	0	0	0	2	6	2	4	1	2	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	8	0	0	0	0	0	0	1	2	2	1	1	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	20	19	0	0	1	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	18	9	0	1	0	0	1	0	0	0	2	3	2	0
<b>All other causes</b>	1391	4	5	2	2	2	6	12	35	75	117	177	954	0
<b>TOTAL</b>	6348	34	8	6	6	23	36	93	162	436	740	1071	3733	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, 2012  
(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>	772	0	0	0	0	1	1	4	20	56	84	157	449	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	4	0	0	0	0	0	0	0	0	0	1	1	2	0
Hypertensive heart disease (I11)	25	0	0	0	0	0	0	0	1	5	8	4	7	0
Hypertensive heart and renal disease (I13)	5	0	0	0	0	0	0	0	0	1	0	0	4	0
Ischemic heart disease (I20-I25)	538	0	0	0	0	0	0	1	12	39	59	118	309	0
All other forms of heart disease (I26-I51)	200	0	0	0	0	1	1	3	7	11	16	34	127	0
<b>Malignant neoplasms (C00-C97)</b>	796	0	0	1	0	0	2	3	12	58	152	207	361	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	18	0	0	0	0	0	0	0	0	4	5	3	6	0
Malignant neoplasms of digestive organs (C15-C26)	200	0	0	1	0	0	0	0	3	20	50	61	65	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	255	0	0	0	0	0	0	0	2	17	47	77	112	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)	71	0	0	0	0	0	0	1	1	3	4	13	49	0
Malignant neoplasms of urinary tract (C64-C68)	43	0	0	0	0	0	0	0	1	3	8	8	23	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	19	0	0	0	0	0	0	1	2	0	5	4	7	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	81	0	0	0	0	0	1	0	1	4	13	15	47	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	109	0	0	0	0	0	1	1	2	7	20	26	52	0
<b>Cerebrovascular diseases (I60-I69)</b>	125	0	0	0	0	0	0	1	1	2	12	13	96	0

TABLE F-20 (continued)  
(2012 - 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>	140	0	0	0	0	0	0	1	0	4	13	37	85	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	193	1	1	0	1	5	13	32	26	44	25	9	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)	57	0	1	0	1	3	6	13	10	14	3	4	2	0
Nontransport Accidents (W00-X59, Y86)	132	1	0	0	0	2	7	19	16	30	20	5	32	0
<b>Diabetes mellitus (E10-E14)</b>	91	0	0	0	0	0	0	0	3	9	12	23	44	0
<b>Influenza and pneumonia (J10-J18)</b>	44	0	0	0	0	0	0	0	2	1	4	3	34	0
<b>Alzheimer's disease (G30)</b>	59	0	0	0	0	0	0	0	0	0	3	3	53	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	52	0	1	0	0	0	0	0	1	3	10	8	29	0
<b>Septicemia (A40-A41)</b>	42	0	0	0	0	0	0	0	1	1	9	10	21	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	83	0	0	0	0	7	6	14	8	21	9	10	8	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	41	0	0	0	0	0	0	1	5	9	13	11	2	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	13	0	0	0	0	0	0	0	0	0	1	3	9	0
<b>Aortic aneurysm and dissection (I71)</b>	13	0	0	0	0	0	0	0	2	3	0	2	6	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	15	0	1	0	0	0	2	5	1	3	1	1	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	5	0	0	0	0	0	0	0	0	2	1	1	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	13	12	0	0	1	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	0	0	2	1	0
<b>All other causes</b>	615	1	1	2	1	2	5	6	15	52	66	97	367	0
<b>TOTAL</b>	3121	20	4	3	3	15	29	67	97	268	415	597	1603	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, 2012  
(WHITE 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>	693	0	0	1	0	0	0	3	12	21	39	66	551	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Hypertensive heart disease (I11)	24	0	0	0	0	0	0	0	4	1	2	2	15	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)	446	0	0	0	0	0	0	2	4	7	23	50	360	0
All other forms of heart disease (I26-I51)	221	0	0	1	0	0	0	1	4	13	14	13	175	0
<b>Malignant neoplasms (C00-C97)</b>	757	0	0	1	0	2	0	3	12	61	137	193	348	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	8	0	0	0	0	0	0	0	0	0	1	3	4	0
Malignant neoplasms of digestive organs (C15-C26)	137	0	0	0	0	0	0	0	3	8	25	32	69	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	241	0	0	0	0	0	0	0	2	16	46	75	102	0
Malignant neoplasms of breast (C50)	103	0	0	0	0	0	0	2	2	11	24	23	41	0
Malignant neoplasms of female genital organs, (C51-C58)	75	0	0	0	0	0	0	1	2	10	15	15	32	0
Malignant neoplasms of urinary tract (C64-C68)	30	0	0	0	0	0	0	0	0	5	3	9	13	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	20	0	0	1	0	2	0	0	2	0	6	5	4	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	62	0	0	0	0	0	0	0	1	2	5	12	42	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	81	0	0	0	0	0	0	0	0	9	12	19	41	0
<b>Cerebrovascular diseases (I60-I69)</b>	189	0	0	0	0	0	0	0	2	10	7	20	150	0

TABLE F-21 (continued)  
(2012 - 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>	225	0	0	0	0	0	0	0	3	7	26	47	142	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	113	0	0	0	0	2	5	9	9	22	16	7	43	0
Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	25	0	0	0	0	2	1	1	3	8	4	1	5	0
Nontransport Accidents (W00-X59, Y86)	88	0	0	0	0	0	4	8	6	14	12	6	38	0
<b>Diabetes mellitus (E10-E14)</b>	83	0	0	0	1	0	0	0	1	4	14	16	47	0
<b>Influenza and pneumonia (J10-J18)</b>	58	0	0	0	0	0	0	0	0	4	3	6	45	0
<b>Alzheimer's disease (G30)</b>	121	0	0	0	0	0	0	0	0	0	3	4	114	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	53	0	0	0	0	0	0	0	0	0	4	9	40	0
<b>Septicemia (A40-A41)</b>	55	0	0	0	0	1	0	0	0	4	10	14	26	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	23	0	0	0	1	3	0	2	2	7	6	0	2	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	23	0	0	0	0	0	0	1	1	4	4	5	8	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	19	0	0	0	0	0	0	0	0	0	2	1	16	0
<b>Aortic aneurysm and dissection (I71)</b>	15	0	0	0	0	0	0	0	0	0	1	4	10	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	5	1	0	0	0	0	0	1	1	1	0	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	3	0	0	0	0	0	0	1	2	0	0	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	7	7	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	9	3	0	1	0	0	1	0	0	0	2	1	1	0
<b>All other causes</b>	776	3	4	0	1	0	1	6	20	23	51	80	587	0
<b>TOTAL</b>	3227	14	4	3	3	8	7	26	65	168	325	474	2130	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, 2012  
**(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>	304	1	0	0	0	0	1	4	14	47	51	52	134	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	2	0	0	0	0	0	0	0	0	0	0	0	2	0
Hypertensive heart disease (I11)	28	0	0	0	0	0	0	0	4	7	7	4	6	0
Hypertensive heart and renal disease (I13)	4	0	0	0	0	0	0	0	0	1	1	0	2	0
Ischemic heart disease (I20-I25)	185	0	0	0	0	0	0	2	5	21	33	30	94	0
All other forms of heart disease (I26-I51)	85	1	0	0	0	0	1	2	5	18	10	18	30	0
<b>Malignant neoplasms (C00-C97)</b>	341	0	0	0	1	0	0	5	8	50	79	79	119	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5	0	0	0	0	0	0	0	0	0	1	2	2	0
Malignant neoplasms of digestive organs (C15-C26)	99	0	0	0	0	0	0	1	0	14	25	25	34	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	86	0	0	0	0	0	0	0	3	12	20	21	30	0
Malignant neoplasms of breast (C50)	32	0	0	0	0	0	0	0	2	11	5	4	10	0
Malignant neoplasms of female genital organs, (C51-C58)	20	0	0	0	0	0	0	0	2	2	4	6	6	0
Malignant neoplasms of male genital organs, (C60-C63)	15	0	0	0	0	0	0	0	0	1	3	5	6	0
Malignant neoplasms of urinary tract (C64-C68)	10	0	0	0	0	0	0	0	0	1	2	1	6	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	6	0	0	0	1	0	0	1	0	1	2	1	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	41	0	0	0	0	0	0	3	0	6	10	9	13	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	27	0	0	0	0	0	0	0	1	2	7	5	12	0
<b>Cerebrovascular diseases (I60-I69)</b>	80	1	0	0	0	0	0	1	1	9	9	13	46	0

TABLE F-22 (continued)  
(2012 - Black, Both Sexes)

	Age of Decedent													Unk
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
<b>Chronic lower respiratory diseases (J40-J47)</b>	53	0	1	0	0	0	0	0	1	2	8	10	31	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	55	0	0	0	1	2	4	17	5	7	8	3	8	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)	23	0	0	0	0	1	2	12	3	3	0	1	1	0
Nontransport Accidents (W00-X59, Y86)	31	0	0	0	1	1	2	5	2	3	8	2	7	0
<b>Diabetes mellitus (E10-E14)</b>	64	0	0	0	0	0	0	2	1	10	16	9	26	0
<b>Influenza and pneumonia (J10-J18)</b>	17	0	0	0	0	0	0	0	0	1	1	5	10	0
<b>Alzheimer's disease (G30)</b>	30	0	0	0	0	0	0	0	0	0	0	1	29	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	33	0	0	0	0	0	0	0	0	1	9	7	16	0
<b>Septicemia (A40-A41)</b>	24	0	0	0	0	0	0	0	1	3	2	9	9	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	12	0	0	0	1	0	0	7	2	1	1	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	10	0	0	0	0	0	0	0	0	2	6	1	1	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	11	0	0	0	0	0	0	0	1	1	2	1	6	0
<b>Aortic aneurysm and dissection (I71)</b>	4	0	0	0	0	0	0	0	1	1	0	0	2	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	41	0	2	0	0	6	7	16	4	3	2	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	28	0	0	0	0	0	1	3	2	11	8	3	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	31	31	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	7	7	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	247	4	3	0	0	3	5	12	10	24	38	35	113	0
<b>TOTAL</b>	1392	44	6	0	3	11	18	67	51	173	240	229	550	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, 2012  
**(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>	139	1	0	0	0	0	0	2	6	26	27	33	44	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	2	2	5	1	1	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)	92	0	0	0	0	0	0	1	3	17	17	21	33	0
All other forms of heart disease (I26-I51)	35	1	0	0	0	0	0	1	1	6	5	11	10	0
<b>Malignant neoplasms (C00-C97)</b>	159	0	0	0	0	0	0	3	1	21	45	35	54	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	4	0	0	0	0	0	0	0	0	0	1	1	2	0
Malignant neoplasms of digestive organs (C15-C26)	51	0	0	0	0	0	0	1	0	9	15	13	13	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	45	0	0	0	0	0	0	0	1	5	12	9	18	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)	15	0	0	0	0	0	0	0	0	1	3	5	6	0
Malignant neoplasms of urinary tract (C64-C68)	7	0	0	0	0	0	0	0	0	1	2	1	3	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	4	0	0	0	0	0	0	0	0	1	2	1	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	23	0	0	0	0	0	0	2	0	4	7	4	6	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	10	0	0	0	0	0	0	0	0	0	3	1	6	0
<b>Cerebrovascular diseases (I60-I69)</b>	33	0	0	0	0	0	0	0	1	4	5	8	15	0

TABLE F-23 (continued)  
(2012 - 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>	21	0	1	0	0	0	0	0	1	2	2	5	10	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	40	0	0	0	0	2	4	12	5	6	5	2	4	0
Motor Vehicle Accidents (V02-V04, (V09.0,V09.2,V12-V14, V19.0-V19.2, V19.4-V19.6,V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8,V89.0,V89.2)	19	0	0	0	0	1	2	9	3	3	0	1	0	0
Nontransport Accidents (W00-X59, Y86)	21	0	0	0	0	1	2	3	2	3	5	1	4	0
<b>Diabetes mellitus (E10-E14)</b>	29	0	0	0	0	0	0	2	0	5	7	6	9	0
<b>Influenza and pneumonia (J10-J18)</b>	6	0	0	0	0	0	0	0	0	1	0	3	2	0
<b>Alzheimer's disease (G30)</b>	7	0	0	0	0	0	0	0	0	0	0	0	7	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	14	0	0	0	0	0	0	0	0	1	4	3	6	0
<b>Septicemia (A40-A41)</b>	12	0	0	0	0	0	0	0	0	3	1	5	3	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	9	0	0	0	1	0	0	5	2	1	0	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	5	0	0	0	0	0	0	0	0	2	2	1	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	6	0	0	0	0	0	0	0	1	1	2	0	2	0
<b>Aortic aneurysm and dissection (I71)</b>	1	0	0	0	0	0	0	0	0	1	0	0	0	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	37	0	2	0	0	6	6	14	4	3	2	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	19	0	0	0	0	0	1	3	1	5	7	2	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	20	20	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	5	5	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	104	0	1	0	0	2	2	7	5	12	21	18	36	0
<b>TOTAL</b>	666	26	4	0	1	10	13	48	27	94	130	121	192	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, 2012  
**(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>	165	0	0	0	0	0	1	2	8	21	24	19	90	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	2	0	0	0	0	0	0	0	0	0	0	0	2	0
Hypertensive heart disease (I11)	17	0	0	0	0	0	0	0	2	5	2	3	5	0
Hypertensive heart and renal disease (I13)	3	0	0	0	0	0	0	0	0	0	1	0	2	0
Ischemic heart disease (I20-I25)	93	0	0	0	0	0	0	1	2	4	16	9	61	0
All other forms of heart disease (I26-I51)	50	0	0	0	0	0	1	1	4	12	5	7	20	0
<b>Malignant neoplasms (C00-C97)</b>	182	0	0	0	1	0	0	2	7	29	34	44	65	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	1	0	0	0	0	0	0	0	0	0	0	1	0	0
Malignant neoplasms of digestive organs (C15-C26)	48	0	0	0	0	0	0	0	0	5	10	12	21	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	41	0	0	0	0	0	0	0	2	7	8	12	12	0
Malignant neoplasms of breast (C50)	32	0	0	0	0	0	0	0	2	11	5	4	10	0
Malignant neoplasms of female genital organs, (C51-C58)	20	0	0	0	0	0	0	0	2	2	4	6	6	0
Malignant neoplasms of urinary tract (C64-C68)	3	0	0	0	0	0	0	0	0	0	0	0	3	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	2	0	0	0	1	0	0	1	0	0	0	0	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	18	0	0	0	0	0	0	1	0	2	3	5	7	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	17	0	0	0	0	0	0	0	1	2	4	4	6	0
<b>Cerebrovascular diseases (I60-I69)</b>	47	1	0	0	0	0	0	1	0	5	4	5	31	0

TABLE F-24 (continued)  
(2012 - 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>	32	0	0	0	0	0	0	0	0	0	6	5	21	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	15	0	0	0	1	0	0	5	0	1	3	1	4	0
Motor Vehicle Accidents (V02-V04, V09.0,V09.2,V12-V14, V19.0-V19.2, V19.4-V19.6,V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8,V89.0,V89.2)	4	0	0	0	0	0	0	3	0	0	0	0	1	0
Nontransport Accidents (W00-X59, Y86)	10	0	0	0	1	0	0	2	0	0	3	1	3	0
<b>Diabetes mellitus (E10-E14)</b>	35	0	0	0	0	0	0	0	1	5	9	3	17	0
<b>Influenza and pneumonia (J10-J18)</b>	11	0	0	0	0	0	0	0	0	0	1	2	8	0
<b>Alzheimer's disease (G30)</b>	23	0	0	0	0	0	0	0	0	0	0	1	22	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	19	0	0	0	0	0	0	0	0	0	5	4	10	0
<b>Septicemia (A40-A41)</b>	12	0	0	0	0	0	0	0	1	0	1	4	6	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	3	0	0	0	0	0	0	2	0	0	1	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	5	0	0	0	0	0	0	0	0	0	4	0	1	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	5	0	0	0	0	0	0	0	0	0	0	1	4	0
<b>Aortic aneurysm and dissection (I71)</b>	3	0	0	0	0	0	0	0	1	0	0	0	2	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	4	0	0	0	0	0	1	2	0	0	0	1	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	9	0	0	0	0	0	0	0	1	6	1	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	11	11	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	2	2	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	143	4	2	0	0	1	3	5	5	12	17	17	77	0
<b>TOTAL</b>	726	18	2	0	2	1	5	19	24	79	110	108	358	0

Note:  
\*ICD Codes, Tenth Revision.

LCDAGEBF

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, 1998-2012

Area/ Race	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
<b>Delaware</b>	55	65	68	67	70	80	58	63	53	55	58	41	46	36	36
Males	47	49	46	47	51	58	36	43	33	33	27	27	33	28	24
White	8	14	11	10	14	18	7	8	9	13	11	5	7	7	5
Black	39	34	35	37	37	40	29	35	24	20	16	22	26	21	19
Females	8	16	22	20	19	22	22	20	20	22	31	14	13	8	12
White	1	2	2	1	6	3	6	2	1	1	6	2	4	0	3
Black	7	14	20	19	13	19	16	18	19	21	25	12	9	8	9
<b>Kent</b>	5	8	4	9	4	8	8	5	11	9	8	5	10	5	8
Males	3	5	0	5	4	7	5	2	7	5	2	5	6	5	6
White	0	3	0	2	0	2	2	0	1	2	1	2	2	2	2
Black	3	2	0	3	4	5	3	2	6	3	1	3	4	3	4
Females	2	3	4	4	0	1	3	3	4	4	6	0	4	0	2
White	0	0	2	0	0	1	0	0	0	0	1	0	0	0	0
Black	2	3	2	4	0	0	3	3	4	4	5	0	4	0	2
<b>New Castle</b>	44	45	54	52	56	69	46	51	34	39	42	34	31	25	27
Males	38	34	37	38	40	49	29	35	19	21	17	21	23	18	17
White	7	7	6	6	9	15	4	6	5	6	4	2	2	4	3
Black	31	27	31	32	31	34	25	29	14	15	13	19	21	14	14
Females	6	11	17	14	16	20	17	16	15	18	25	13	8	7	10
White	1	2	0	1	4	2	5	2	1	1	5	1	4	0	3
Black	5	9	17	13	12	18	12	14	14	17	20	12	4	7	7
Wilmington	28	23	35	37	28	43	25	33	19	22	29	27	19	15	15
Males	24	20	25	28	22	30	15	21	7	10	13	16	16	9	9
White	2	2	4	3	4	5	0	2	0	0	1	1	0	0	2
Black	22	18	21	25	18	25	15	19	7	10	12	15	16	9	7
Females	4	3	10	9	6	13	10	12	12	12	16	11	3	6	6
White	1	0	0	1	0	0	1	1	1	1	3	1	1	0	0
Black	3	3	10	8	6	13	9	11	11	11	13	10	2	6	6
Bal of NCCo	16	22	19	15	28	26	21	18	15	17	13	7	12	10	12
Males	14	14	12	10	18	19	14	14	12	11	4	5	7	9	8
White	5	5	2	3	5	10	4	4	5	6	3	1	2	4	1
Black	9	9	10	7	13	9	10	10	7	5	1	4	5	5	7
Females	2	8	7	5	10	7	7	4	3	6	9	2	5	1	4
White	0	2	0	0	4	2	4	1	0	0	2	0	3	0	3
Black	2	6	7	5	6	5	3	3	3	6	7	2	2	1	1
<b>Sussex</b>	6	12	10	6	10	3	4	7	8	7	8	2	5	6	1
Males	6	10	9	4	7	2	2	6	7	7	8	1	4	5	1
White	1	4	5	2	5	1	1	2	3	5	6	1	3	1	0
Black	5	5	4	2	2	1	1	4	4	2	2	0	1	4	1
Females	0	2	1	2	3	1	2	1	1	0	0	1	1	1	0
White	0	0	0	0	2	0	1	0	0	0	0	1	0	0	0
Black	0	2	1	2	1	1	1	1	1	0	0	0	1	1	0
<b>Hispanic</b>	3	1	1	3	4	2	1	2	1	1	1	1	1	2	0
Males	3	1	1	2	4	1	0	2	0	0	1	1	1	2	0
Females	0	0	0	1	0	1	1	0	1	1	0	0	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.

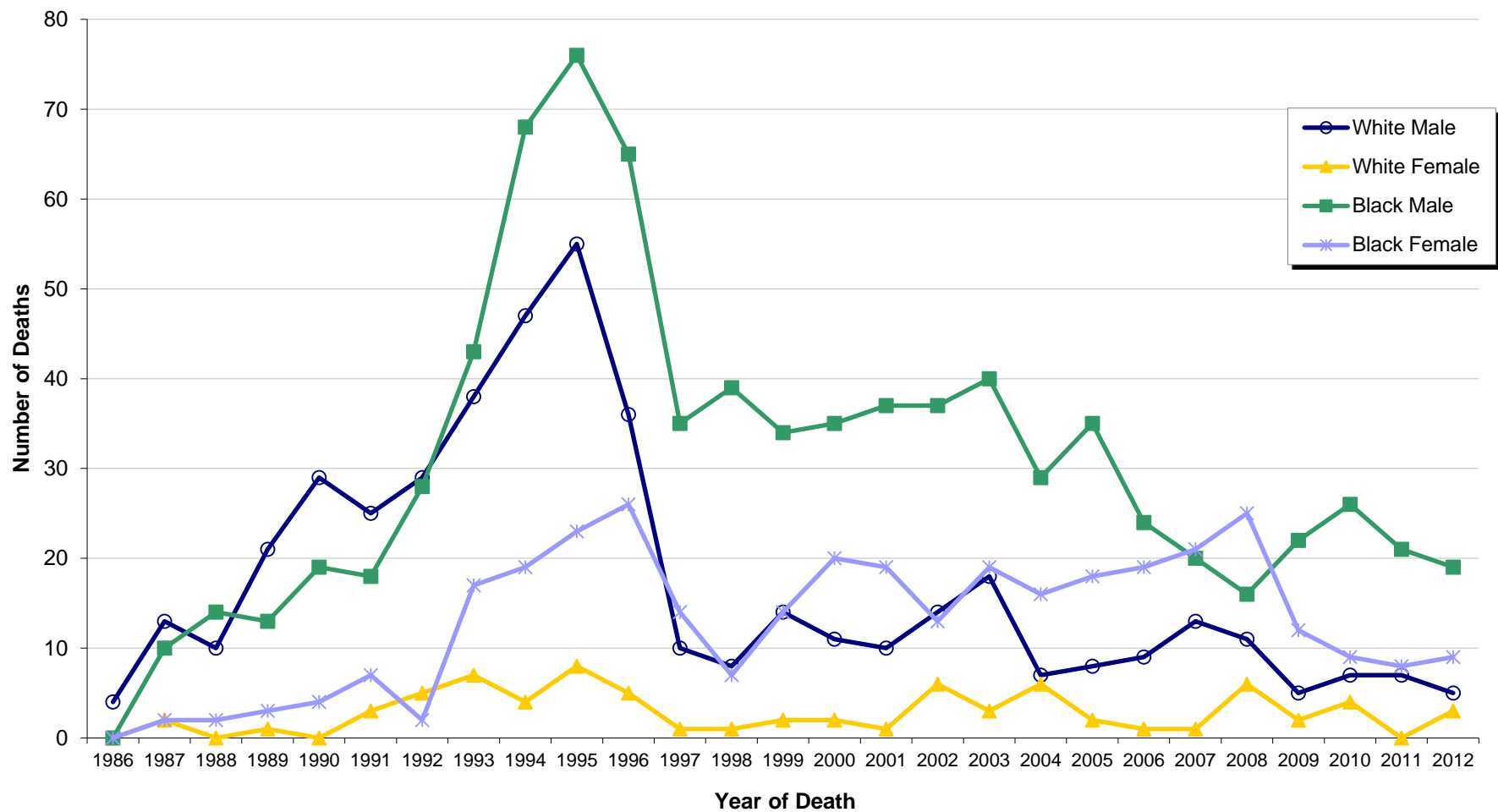
AIDS

**Sources:**

Delaware Health Statistics Center  
National Center for Health Statistics

**Figure F-3**  
**Number of HIV Deaths by Race and Sex**

**Delaware, 1986-2012**



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, 2012

Area/ Method of Disposition	Race							
	All Races		White		Black		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	7873	100.0	6348	100.0	1392	100.0	133	100.0
Burial	3985	50.6	3023	47.6	914	65.7	48	36.1
Cremation	3485	44.3	2953	46.5	457	32.8	75	56.4
Donation	75	1.0	73	1.1	2	0.1	0	0.0
Entombment	168	2.1	163	2.6	2	0.1	3	2.3
Removal from State	130	1.7	114	1.8	10	0.7	6	4.5
Unknown	30	0.4	22	0.3	7	0.5	1	0.8
<b>Kent</b>	1462	100.0	1159	100.0	273	100.0	30	100.0
Burial	751	51.4	553	47.7	183	67.0	15	50.0
Cremation	660	45.1	559	48.2	87	31.9	14	46.7
Donation	9	0.6	9	0.8	0	0.0	0	0.0
Entombment	7	0.5	7	0.6	0	0.0	0	0.0
Removal from State	29	2.0	27	2.3	1	0.4	1	3.3
Unknown	6	0.4	4	0.3	2	0.7	0	0.0
<b>New Castle</b>	4260	100.0	3270	100.0	909	100.0	81	100.0
Burial	2209	51.9	1613	49.3	574	63.1	22	27.2
Cremation	1799	42.2	1426	43.6	321	35.3	52	64.2
Donation	30	0.7	29	0.9	1	0.1	0	0.0
Entombment	146	3.4	142	4.3	2	0.2	2	2.5
Removal from State	64	1.5	53	1.6	7	0.8	4	4.9
Unknown	12	0.3	7	0.2	4	0.4	1	1.2
Wilmington	691	100.0	297	100.0	383	100.0	11	100.0
Burial	364	52.7	124	41.8	237	61.9	3	27.3
Cremation	276	39.9	128	43.1	142	37.1	6	54.5
Donation	1	0.1	1	0.3	0	0.0	0	0.0
Entombment	37	5.4	36	12.1	1	0.3	0	0.0
Removal from State	11	1.6	7	2.4	2	0.5	2	18.2
Unknown	2	0.3	1	0.3	1	0.3	0	0.0
Balance of NC County	3569	100.0	2973	100.0	526	100.0	70	100.0
Burial	1845	51.7	1489	50.1	337	64.1	19	27.1
Cremation	1523	42.7	1298	43.7	179	34.0	46	65.7
Donation	29	0.8	28	0.9	1	0.2	0	0.0
Entombment	109	3.1	106	3.6	1	0.2	2	2.9
Removal from State	53	1.5	46	1.5	5	1.0	2	2.9
Unknown	10	0.3	6	0.2	3	0.6	1	1.4
<b>Sussex</b>	2151	100.0	1919	100.0	210	100.0	22	100.0
Burial	1025	47.7	857	44.7	157	74.8	11	50.0
Cremation	1026	47.7	968	50.4	49	23.3	9	40.9
Donation	36	1.7	35	1.8	1	0.5	0	0.0
Entombment	15	0.7	14	0.7	0	0.0	1	4.5
Removal from State	37	1.7	34	1.8	2	1.0	1	4.5
Unknown	12	0.6	11	0.6	1	0.5	0	0.0

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, 1992-2012

Year	Race and Sex								
	All Races			White			Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
2012	79.5	77.0	81.8	79.7	77.3	81.9	77.8	74.3	81.1
2011	79.1	76.6	81.5	79.4	77.0	81.6	77.3	73.7	80.6
2010	79.1	76.4	81.7	79.4	76.9	81.7	76.7	72.5	80.7
2009	78.9	76.3	81.4	79.6	77.1	82.1	76.0	72.7	79.0
2008	78.3	75.7	80.8	78.9	76.3	81.4	75.7	72.7	78.4
2007	78.8	76.0	81.5	79.2	76.5	81.9	76.2	72.9	79.3
2006	78.4	75.7	81.0	79.1	76.4	81.7	74.8	71.4	77.8
2005	77.7	75.0	80.2	78.4	75.7	81.0	74.1	71.3	76.6
2004	77.8	74.9	80.5	78.3	75.5	80.9	73.8	70.4	77.0
2003	76.9	74.5	80.0	78.1	75.3	80.7	72.6	69.2	75.8
2002	77.3	74.6	79.8	77.8	75.4	80.1	73.8	69.5	77.9
2001	76.3	73.9	78.7	77.1	74.6	79.5	72.1	69.5	74.4
2000	76.5	73.9	79.0	77.1	74.5	79.6	72.5	69.4	75.5
1999	76.8	73.9	79.6	77.6	74.7	80.3	72.6	68.8	76.2
1998	75.9	73.3	78.4	77.0	74.5	79.4	70.3	66.9	73.5
1997	75.8	73.3	78.2	76.7	74.2	79.1	71.0	68.3	73.5
1996	75.4	72.5	78.1	76.7	73.9	79.4	68.8	65.2	72.2
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

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, 2012

Age Group	Race and Sex								
	All Races			White			Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
0-5	79.5	77.0	81.8	79.7	77.3	81.9	77.8	74.3	81.1
5-10	75.2	72.7	77.5	75.2	72.9	77.3	73.8	70.0	77.3
10-15	70.2	67.8	72.6	70.2	68.0	72.4	68.8	65.0	72.3
15-20	65.3	62.8	67.6	65.3	63.0	67.4	63.9	60.2	67.4
20-25	60.4	58.1	62.7	60.5	58.2	62.5	59.1	55.5	62.4
25-30	55.7	53.4	57.8	55.7	53.6	57.7	54.4	50.9	57.6
30-35	51.0	48.8	53.1	51.1	48.9	53.1	49.7	46.3	52.7
35-40	46.3	44.2	48.3	46.4	44.4	48.3	44.9	41.7	47.9
40-45	41.6	39.6	43.5	41.7	39.8	43.5	40.4	37.2	43.3
45-50	37.1	35.2	38.8	37.2	35.4	38.8	35.9	32.8	38.7
50-55	32.7	30.9	34.4	32.8	31.2	34.3	31.6	28.6	34.3
55-60	28.6	26.8	30.1	28.6	27.1	29.9	27.5	24.5	30.2
60-65	24.5	23.0	25.7	24.5	23.1	25.6	23.9	21.3	26.1
65-70	20.6	19.4	21.7	20.6	19.4	21.5	20.5	18.3	22.4
70-75	17.0	15.8	17.9	16.9	15.9	17.7	17.1	15.0	18.9
75-80	13.8	12.8	14.5	13.6	12.6	14.3	14.4	13.1	15.3
80-85	11.1	10.2	11.6	10.9	10.0	11.4	12.1	11.3	12.6
85+	9.1	8.3	9.5	8.9	8.1	9.3	10.2	9.7	10.4

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, 1986-2012

Year	Area			
	Delaware	Kent	New Castle	Sussex
2012	2	0	0	2
2011	1	0	0	1
2010	2	0	0	2
2009	4	1	3	0
2008	3	1	2	0
2007	1	0	1	0
2006	1	0	1	0
2005	3	0	3	0
2004	1	0	1	0
2003	2	0	2	0
2002	0	0	0	0
2001	2	0	1	1
2000	3	1	2	0
1999	1	0	1	0
1998	2	0	2	0
1997	1	0	1	0
1996	0	0	0	0
1995	0	0	0	0
1994	0	0	0	0
1993	0	0	0	0
1992	0	0	0	0
1991	1	0	0	1
1990	0	0	0	0
1989	2	0	1	1
1988	1	0	1	0
1987	0	0	0	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, 2008-2012

LEADING CAUSES OF DEATH	AREA				RACE	
	DE	Kent	NCC	Sussex	White	Black
Malignant neoplasms	178.4	208.0	181.1	158.9	177.1	202.3
Diseases of the heart	165.6	211.3	158.3	156.7	163.3	187.9
Chronic lower respiratory diseases	41.9	55.9	41.3	36.2	43.9	35.1
Cerebrovascular diseases	37.2	39.0	42.2	28.5	35.2	49.4
Dementia	38.9	40.4	47.5	24.5	39.1	41.9
Accidents (unintentional injuries)	37.3	37.7	34.9	46.0	42.6	25.4
Diabetes mellitus	20.6	23.9	21.9	16.6	17.7	38.8
Alzheimer's disease	18.1	22.7	15.3	20.8	18.2	18.7
Nephritis, nephrotic syndrome, and nephrosis	15.2	15.6	16.6	12.6	13.3	27.6
Influenza and pneumonia	12.1	14.4	13.2	9.4	12.2	12.3
Septicemia	11.3	16.6	10.9	9.0	10.6	15.7
Intentional self-harm (suicide)	11.9	12.4	11.2	13.5	14.3	5.8
Other diseases of respiratory system	9.3	12.1	10.2	6.7	9.4	9.2
Chronic liver disease and cirrhosis	8.4	8.9	7.6	10.0	9.1	6.9
Certain conditions originating in the perinatal period	6.2	5.5	7.5	2.7	3.2	13.3
Assault (homicide)	6.5	3.9	8.2	3.6	3.3	16.3
Parkinson's disease	5.8	5.3	6.3	5.5	6.4	NA
Human immunodeficiency virus (HIV)	4.6	4.3	5.5	2.5	1.5	17.6
Essential hypertension and hypertensive renal disease	4.8	7.7	4.7	3.7	4.2	8.6
Pneumonitis due to solids and liquids	4.3	3.5	4.4	4.7	4.4	3.2
Aortic aneurysm and dissection	3.2	3.4	3.5	2.7	3.3	3.2
Congenital malformations, deformations, and chromosomal abnormalities	2.9	3.1	2.9	2.9	3.1	2.5

AA DR

**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, 1992-2012

Cause of Death/ Area	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	2007 -2011	2008 -2012
<b>Diseases of the heart</b>																		
Delaware	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	172.6	165.6
Kent	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	223.9	211.3
New Castle	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	165.4	158.3
Sussex	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	160.8	156.7
<b>Malignant neoplasms</b>																		
Delaware	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	181.4	178.4
Kent	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	205.9	208.0
New Castle	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	184.4	181.1
Sussex	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	164.3	158.9
<b>Cerebrovascular diseases</b>																		
Delaware	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	37.7	37.2
Kent	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	36.7	39.0
New Castle	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	43.4	42.2
Sussex	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	28.8	28.5
<b>Chronic lower respiratory diseases</b>																		
Delaware	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	42.2	41.9
Kent	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	55.7	55.9
New Castle	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	42.2	41.3
Sussex	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	36.1	36.2
<b>Diabetes mellitus</b>																		
Delaware	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	20.7	20.6
Kent	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	25.2	23.9
New Castle	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	21.9	21.9
Sussex	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	16.3	16.6
<b>Influenza and pneumonia</b>																		
Delaware	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	12.4	12.1
Kent	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	13.8	14.4
New Castle	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	13.4	13.2
Sussex	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	10.2	9.4
<b>Alzheimer's disease</b>																		
Delaware	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	18.5	18.1
Kent	---	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	22.7	22.7
New Castle	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	15.5	15.3
Sussex	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	21.9	20.8
<b>Nephritis, nephrotic syndrome, and nephrosis</b>																		
Delaware	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	16.2	15.2
Kent	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	16.3	15.6
New Castle	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	18.0	16.6
Sussex	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	12.8	12.6
<b>Septicemia</b>																		
Delaware	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	11.5	11.3
Kent	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	17.4	16.6
New Castle	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	11.6	10.9
Sussex	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	8.2	9.0

TABLE F-31 (continued)

Cause of Death/ Area	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	2007 -2011	2008 -2012
<b>Intentional self-harm (suicide)</b>																		
Delaware	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	11.3	11.9
Kent	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	11.3	12.4
New Castle	11.7	11.8	11.3	10.2	10.1	9.8	10.3	9.9	10.7	11.0	11.2	10.0	10.4	10.3	10.1	10.2	10.7	11.2
Sussex	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	13.1	13.5
<b>Chronic liver disease and cirrhosis</b>																		
Delaware	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	8.5	8.4
Kent	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	9.9	8.9
New Castle	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	7.4	7.6
Sussex	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	10.1	10.0
<b>Assault (homicide)</b>																		
Delaware	5.2	5.4	5.2	4.9	4.7	4.2	3.6	3.7	3.5	3.8	4.5	4.9	5.0	5.9	6.1	6.1	6.1	6.5
Kent	6.1	5.5	4.1	3.4	---	---	---	---	---	---	---	3.0	3.6	4.4	4.0	4.1	3.9	3.9
New Castle	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	7.1	7.4	7.5	7.4	8.2
Sussex	5.9	5.9	5.6	5.0	4.6	2.8	---	---	---	---	3.6	3.3	2.9	3.2	3.6	3.5	3.7	3.6
<b>Certain conditions originating in the perinatal period</b>																		
Delaware	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	6.1	6.2
Kent	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	4.7	5.5
New Castle	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	7.4	7.5
Sussex	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	3.5	2.7
<b>Congenital malformations</b>																		
Delaware	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	2.8	2.9
Kent	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	3.2	3.1
New Castle	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	2.6	2.9
Sussex	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	3.0	2.9
<b>Human immunodeficiency virus (HIV)</b>																		
Delaware	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	5.1	4.6
Kent	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	4.7	4.3
New Castle	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	6.0	5.5
Sussex	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	3.2	2.5
<b>Accidents (unintentional injuries)</b>																		
Delaware	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	36.4	37.3
Kent	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	35.0	37.7
New Castle	30.7	31.0	32.4	33.4	33.4	34.0	34.5	34.6	33.7	32.3	31.6	31.8	31.6	32.7	33.2	34.2	34.4	34.9
Sussex	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	45.9	46.0
<b>Essential hypertension and hypertensive renal disease</b>																		
Delaware	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	5.0	4.8
Kent	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	7.3	7.7
New Castle	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	5.1	4.7
Sussex	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	3.8	3.7
<b>Aortic aneurysm and dissection</b>																		
Delaware	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	3.2	3.2
Kent	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	2.8	3.4
New Castle	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	3.3	3.5
Sussex	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	3.2	2.7

TABLE F-31 (continued)

Cause of Death/ Area	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	2007 -2011	2008 -2012
<b>Pneumonitis due to solids and liquids</b>																		
Delaware	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	4.6	4.3
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	3.4	3.5
New Castle	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	4.6	4.4
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	5.4	4.7
<b>Other diseases of respiratory system</b>																		
Delaware	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	9.0	9.3
Kent	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	11.7	12.1
New Castle	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	9.3	10.2
Sussex	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	7.2	6.7
<b>Parkinson's disease</b>																		
Delaware	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	5.7	5.8
Kent	---	---	---	---	---	---	4.3	4.6	4.7	4.1	4.7	4.6	4.4	4.4	5.5	5.1	5.2	5.3
New Castle	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	6.1	6.3
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	5.2	5.5
<b>Dementia</b>																		
Delaware	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	36.4	38.9
Kent	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	35.7	40.4
New Castle	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	45.8	47.5
Sussex	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	21.1	24.5

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

DELAWARE, 1992-2012

Cause of Death/ Race-Sex	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	2007 -2011	2008 -2012
<b>Diseases of the heart</b>																	
White	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	170.8	163.3
Male	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	217.3	208.1
Female	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	133.9	127.8
Black	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	192.0	187.9
Male	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	245.2	234.1
Female	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	152.5	154.2
<b>Malignant neoplasms</b>																	
White	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	181.2	177.1
Male	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	214.6	209.8
Female	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	157.2	153.8
Black	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	197.8	202.3
Male	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	250.0	250.5
Female	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	162.6	170.1
<b>Cerebrovascular diseases</b>																	
White	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	35.6	35.2
Male	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	34.9	35.6
Female	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	35.4	34.7
Black	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	50.9	49.4
Male	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	61.5	57.6
Female	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	43.3	43.7
<b>Chronic lower respiratory diseases</b>																	
White	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	44.4	43.9
Male	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	46.3	44.5
Female	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	43.0	43.6
Black	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	33.9	35.1
Male	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	47.6	46.6
Female	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	26.0	28.2
<b>Diabetes mellitus</b>																	
White	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	17.5	17.7
Male	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	21.2	21.1
Female	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	14.3	14.6
Black	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	41.1	38.8
Male	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	45.0	42.5
Female	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	37.3	35.6
<b>Influenza and pneumonia</b>																	
White	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	12.5	12.2
Male	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	15.4	15.0
Female	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	10.5	10.3
Black	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	12.2	12.3
Male	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	17.3	15.0
Female	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	9.2	10.4

TABLE F-32 (continued)

Cause of Death/ Race-Sex	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	2007 -2011	2008 -2012
<b>Alzheimer's disease</b>																	
White	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	18.8	18.2
Male	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	15.4	14.8
Female	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	20.9	20.4
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	17.2	18.7
Male	---	---	---	---	---	---	---	---	14.2	---	---	13.4	12.7	12.3	13.6	13.7	13.4
Female	---	---	---	---	8.2	8.3	8.8	12.1	13.7	15.6	15.5	16.4	14.9	15.8	17.7	18.7	6.1
<b>Nephritis, nephrotic syndrome, and nephrosis</b>																	
White	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	13.9	13.3
Male	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	16.6	15.5
Female	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	12.2	11.9
Black	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	30.2	27.6
Male	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	38.3	33.2
Female	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	25.7	16.0
<b>Septicemia</b>																	
White	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	10.8	10.6
Male	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	12.1	11.3
Female	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	9.8	10.3
Black	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	15.9	15.7
Male	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	15.8	16.7
Female	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	15.9	12.8
<b>Intentional self-harm (suicide)</b>																	
White	13.5	13.4	12.6	12.7	12.8	12.9	12.3	13.0	12.9	12.6	12.0	12.5	12.5	12.7	13.3	13.7	14.3
Male	22.3	22.7	21.4	21.9	21.9	21.8	21.1	21.7	21.0	21.0	19.9	19.8	20.2	20.6	21.4	21.8	23.1
Female	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	5.9	5.8
Black	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	5.3	5.8
Male	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	9.7	10.2
Female	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Chronic liver disease and cirrhosis</b>																	
White	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	9.1	9.1
Male	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	13.0	13.3
Female	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	5.5	5.1
Black	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	7.0	6.9
Male	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	12.0	11.1
Female	---	---	---	7.1	---	6.4	---	5.8	---	---	---	---	---	---	---	---	---
<b>Assault (homicide)</b>																	
White	3.6	3.5	3.2	3.1	2.4	2.2	2.2	2.0	2.1	2.6	2.5	2.4	2.9	3.0	3.0	3.2	3.3
Male	4.1	4.2	3.9	3.7	2.9	2.7	2.6	2.5	2.5	3.5	3.4	3.3	4.1	4.1	4.1	4.4	4.8
Female	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	2.0	1.9
Black	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	15.2	16.3
Male	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	28.7	30.5
Female	6.4	5.8	6.5	5.4	5.7	---	---	---	---	---	---	---	---	---	---	---	---

TABLE F-32 (continued)

Cause of Death/ Race-Sex	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	2007 -2011	2008 -2012
<b>Certain conditions originating in the perinatal period</b>																	
White	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	3.4	3.2
Male	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	4.2	4.1
Female	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	2.6	2.3
Black	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	13.1	13.3
Male	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	13.4	14.2
Female	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	12.7	12.5
<b>Congenital malformations</b>																	
White	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	3.0	3.1
Male	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	2.8	2.8
Female	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	3.3	3.4
Black	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	2.4	2.5
Male	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	2.8	2.8
Female	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	3.3	3.4
<b>Human immunodeficiency virus (HIV)</b>																	
White	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	1.7	1.5
Male	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	2.7	2.1
Female	2.0	1.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	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	19.6	17.6
Male	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	25.4	24.2
Female	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	15.0	20.3
<b>Accidents (unintentional injuries)</b>																	
White	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	40.6	41.5	41.7	42.6
Male	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	57.0	57.4
Female	19.6	20.8	22.3	24.2	25.4	26.5	25.6	24.3	24.7	24.2	24.0	23.3	25.1	25.2	27.1	27.5	28.9
Black	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	24.4	25.4
Male	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	35.2	37.6
Female	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	14.9	19.8
<b>Essential hypertension and hypertensive renal disease</b>																	
White	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	4.3	4.2
Male	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	3.8	3.8
Female	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	4.4	4.2
Black	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	9.1	8.6
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	10.1	9.4
Female	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	7.6	3.5
<b>Aortic aneurysm and dissection</b>																	
White	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	3.2	3.3
Male	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	4.4	4.3
Female	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	2.2	2.4
Black	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	3.4	3.2
Male	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Female	---	---	---	---	---	---	---	---	7.0	6.6	---	---	---	---	---	---	---

TABLE F-32 (continued)

Cause of Death/ Race-Sex	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	2007 -2011	2008 -2012
<b>Pneumonitis due to solids and liquids</b>																	
White	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	4.7	4.4
Male	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	6.2	6.2
Female	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	3.7	3.3
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	3.9	3.2
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	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	8.8	9.4
Male	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	9.9	11.4
Female	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	7.9	7.9
Black	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	10.4	9.2
Male	---	---	---	---	---	---	---	---	9.1	10.5	9.6	9.7	11.4	12.7	13.7	14.6	13.1
Female	---	---	---	---	7.9	8.2	7.7	6.5	6.4	---	5.5	5.9	8.0	8.3	8.2	8.0	7.1
<b>Parkinson's disease</b>																	
White	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	6.2	6.4
Male	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	8.0	8.2
Female	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	5.1	5.2
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Male	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Female	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Dementia</b>																	
White	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	36.2	39.1
Male	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	31.1	33.9
Female	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	38.9	41.5
Black	---	---	---	---	6.0	5.8	8.7	10.4	15.4	16.3	23.1	30.1	34.3	37.1	40.4	41.8	41.9
Male	---	---	---	---	---	---	19.0	18.2	22.5	22.3	29.6	29.2	35.4	40.8	42.3	40.2	41.1
Female	---	---	---	---	---	---	---	---	12.5	13.5	20.1	30.2	33.8	34.9	39.1	42.3	41.8
<b>All Causes</b>																	
White	906.7	898.6	889.0	875.5	870.3	866.0	850.9	837.3	822.4	810.7	786.3	770.4	761.5	746.7	732.0	728.0	
Male	1141.6	1127.9	1111.4	1083.8	1068.6	1052.6	1026.3	1002.1	984.4	970.3	940.3	923.1	909.9	885.8	866.0	857.3	
Female	745.4	738.5	731.9	727.9	726.9	729.0	720.8	711.2	698.7	687.7	665.4	648.5	642.3	632.3	620.9	620.5	
Black	1265.6	1235.9	1205.5	1174.6	1144.9	1110.1	1093.4	1085.6	1078.6	1061.2	1026.5	996.3	947.8	912.6	876.8	847.9	
Male	1666.1	1600.7	1539.9	1502.4	1447.1	1366.8	1372.2	1353.6	1326.5	1300.9	1277.4	1221.5	1161.0	1112.5	1088.2	1049.5	
Female	995.5	988.9	978.4	954.0	940.3	931.8	902.5	897.9	900.1	891.5	849.7	833.6	797.3	769.4	724.6	699.4	

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.

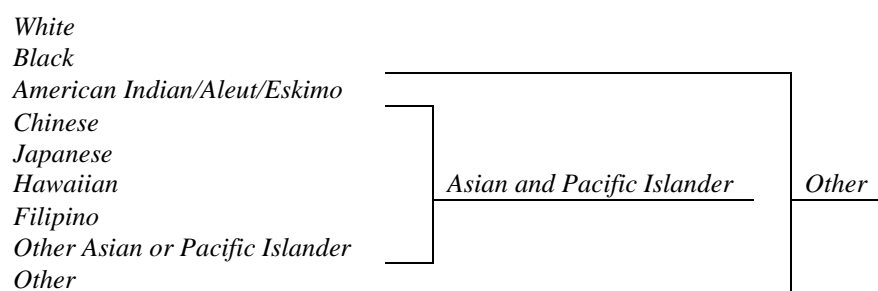
The second method is a more sophisticated technique that statistically "adjusts" for demographic differences between populations and allows direct comparisons between overall population rates. The major

<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).



# 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:

$$R_1 \pm 1.96 * SE$$

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

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

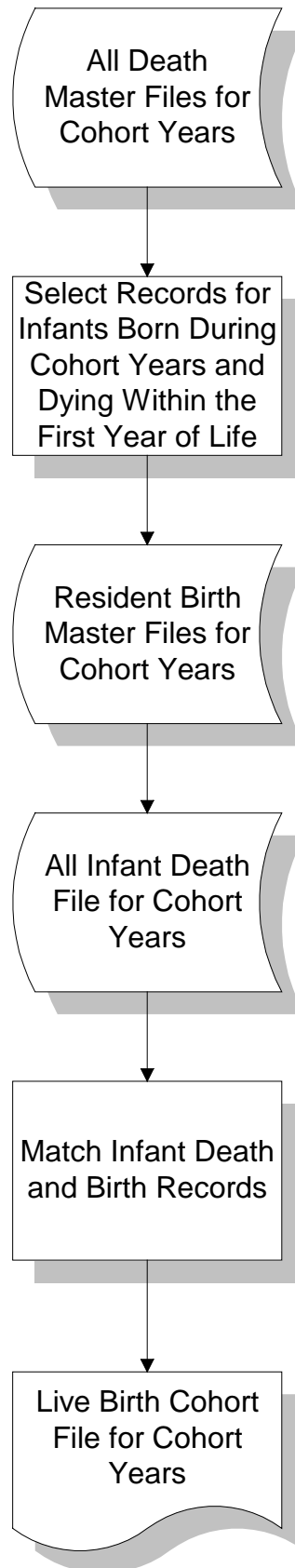
*Comparison of two infant mortality rates* - When the number of events for one or both of the rates was less than 100, comparisons between rates were based on the confidence intervals for each. If they overlapped, the difference was not significant. When the number of events for both rates was 100 or 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>MOTHER</b>	<b>INFORMATION FOR ADMINISTRATIVE USE</b>					
	14. MOTHER'S MAILING ADDRESS: <input type="checkbox"/> Same as residence, or		STATE	CITY, TOWN, OR LOCATION		
	STREET & NUMBER:		APARTMENT NO.	ZIP CODE:		
	15. MOTHER 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>MOTHER</b>	<b>INFORMATION FOR MEDICAL AND HEALTH PURPOSES ONLY</b>					
	20. MOTHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery) <input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade, no diploma <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Some college credit but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., Ph.D., 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 _____			
<b>FATHER</b>	23. FATHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery) <input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade, no diploma <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Some college credit but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., Ph.D., EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)	24. FATHER OF HISPANIC ORIGIN? (Check the box that best describes whether the father is Spanish/Hispanic/Latino. Check the "No" box if father is not Spanish/Hispanic/Latino) <input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican, Mexican American, Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino (Specify) _____	25. FATHER'S RACE (Check one or more races to indicate what the father considers himself to be) <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribe) _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian (Specify) _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander (Specify) _____ <input type="checkbox"/> Other (Specify) _____ Predominant Race _____			
	26. PLACE WHERE BIRTH OCCURRED (Check one) <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Birth: Planned to deliver at home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Clinic/Doctor's office <input type="checkbox"/> Other (Specify) _____	27. ATTENDANT'S NAME, TITLE, AND NPI NAME: _____ NPI: _____ TITLE: <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (Specify) _____		28. MOTHER TRANSFERRED FOR MATERNAL MEDICAL OR FETAL INDICATIONS FOR DELIVERY? <input type="checkbox"/> Yes <input type="checkbox"/> No IF YES, ENTER NAME OF FACILITY MOTHER TRANSFERRED FROM: _____		

## APPENDIX F (cont.)

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

<b>MOTHER</b>	29a. DATE OF FIRST PRENATAL CARE VISIT MM / DD / YYYY <input type="checkbox"/> No Prenatal Care		29b. DATE OF LAST PRENATAL CARE VISIT MM / DD / YYYY		30. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY  (If none, enter "0")		
	31. MOTHER'S HEIGHT ____ (feet/inches)		32. MOTHER'S PRE-PREGNANCY WEIGHT ____ (pounds)		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, $\geq 12$ hrs.) <input type="checkbox"/> Precipitous Labor (< 3 hrs.) <input type="checkbox"/> Prolonged Labor ( $\geq 20$ hrs.) <input type="checkbox"/> None of the Above		46. METHOD OF DELIVERY A. Was delivery with forceps attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No B. Was delivery with vacuum extraction attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No C. Fetal presentation at birth: <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other D. Final route and method of delivery (Check one) <input type="checkbox"/> Vaginal/Spontaneous <input type="checkbox"/> Vaginal/Forceps <input type="checkbox"/> Vaginal/Vacuum <input type="checkbox"/> Cesarean  If cesarean, was a trial of labor attempted? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	42. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply) <input type="checkbox"/> Gonorrhea <input type="checkbox"/> Syphilis <input type="checkbox"/> Chlamydia <input type="checkbox"/> Hepatitis B <input type="checkbox"/> Hepatitis C <input type="checkbox"/> None of the above			45. CHARACTERISTICS OF LABOR AND DELIVERY <input type="checkbox"/> Induction of labor <input type="checkbox"/> Augmentation of labor <input type="checkbox"/> Non-vertex presentation <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery <input type="checkbox"/> Antibiotics received by the mother during labor <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature $\geq 38^{\circ}\text{C}$ ( $100.4^{\circ}\text{F}$ ) <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid <input type="checkbox"/> Fetal intolerance of labor such that one or more of the following actions was taken: in-utero resuscitative measures, further fetal assessment, or operative delivery <input type="checkbox"/> Epidural or spinal anesthesia during labor <input type="checkbox"/> None of the above		47. MATERNAL MORBIDITY (Check all that apply) (Complications associated with labor and delivery) <input type="checkbox"/> Maternal transfusion <input type="checkbox"/> Third or fourth degree perineal laceration <input type="checkbox"/> Ruptured uterus <input type="checkbox"/> Unplanned hysterectomy <input type="checkbox"/> Admission to intensive care unit <input type="checkbox"/> Unplanned operating room procedure following delivery <input type="checkbox"/> None of the above	
	43. OBSTETRIC PROCEDURES (Check all that apply) <input type="checkbox"/> Cervical cerclage <input type="checkbox"/> Tocolysis  External cephalic version: <input type="checkbox"/> Successful <input type="checkbox"/> Failed <input type="checkbox"/> None of the above						
	<b>NEWBORN INFORMATION</b>						
48. NEWBORN MEDICAL RECORD NUMBER		49. BIRTHWEIGHT (grams preferred, specify unit) ____ <input type="checkbox"/> gr/ams <input type="checkbox"/> lb/oz		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			
50. OBSTETRIC ESTIMATE OF GESTATION ____ (completed weeks)		51. APGAR SCORE Score at 5 minutes _____ <b>If 5 minute score is less than 6,</b> Score at 10 minutes _____		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			
52. PLURALITY – Single, Twin, Triplet, etc. (Specify) _____		53. IF NOT SINGLE BIRTH – Born first, second, third, etc. (Specify) _____					
56. WAS INFANT TRANSFERRED WITHIN 24 HOURS OF DELIVERY? <input type="checkbox"/> Yes <input type="checkbox"/> No IF YES, NAME OF FACILITY INFANT TRANSFERRED TO: _____			57. IS INFANT LIVING AT TIME OF REPORT? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Infant transferred, status unknown		58. IS INFANT BEING BREASTFED AT DISCHARGE? <input type="checkbox"/> Yes <input type="checkbox"/> No		

# 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?			
<b>CAUSE OF DEATH (See instructions and examples)</b>							Approximate interval: Onset to death	
<p>32. <b>PART I.</b> Enter the <u>chain of events</u>--diseases, injuries, or complications--that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines if necessary.</p> <p>IMMEDIATE CAUSE (Final disease or condition -----&gt;</p> <p>a. _____ Due to (or as a consequence of): _____ resulting in death)</p> <p>Sequentially list conditions,</p> <p>b. _____ Due to (or as a consequence of): _____ if any, leading to the cause listed on line a. Enter the <b>UNDERLYING CAUSE</b></p> <p>c. _____ Due to (or as a consequence of): _____ (disease or injury that initiated the events resulting in death) <b>LAST</b></p> <p>d. _____</p>								
PART II. Enter other <u>significant conditions contributing to death</u> but not resulting in the underlying cause given in PART I					33. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			
					34. WERE AUTOPSY FINDINGS AVAILABLE TO COMPLETE THE CAUSE OF DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown			

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		7. PLACE WHERE DELIVERY OCCURRED (Check one) <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Delivery: Planned to deliver at home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Clinic/Doctor's office <input type="checkbox"/> Other (Specify) _____		8. FACILITY NAME (if not institution, give street and number)	
	5b. ZIP CODE OF DELIVERY				9. FACILITY ID (NPI)	
	6. COUNTY OF DELIVERY					
<b>MOTHER</b>	10a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)				10b. DATE OF BIRTH (Mo/Day/Yr)	
	10c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)				10d. BIRTHPLACE (State, Territory, or Foreign Country)	
	11a. RESIDENCE OF MOTHER-STATE		11b. COUNTY		11c. CITY, TOWN, OR LOCATION	
	11d. STREET AND NUMBER		11e. APT. NO.	11f. ZIP CODE	11g. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	12a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		12b. DATE OF BIRTH (Mo/Day/Yr)	12c. BIRTHPLACE (State, Territory, or Foreign Country)		
<b>13. CAUSE/CONDITIONS CONTRIBUTING TO FETAL DEATH</b>						
<b>CAUSE OF FETAL DEATH</b>	13a. INITIATING CAUSE/CONDITION (AMONG THE CHOICES BELOW, PLEASE SELECT THE ONE WHICH MOST LIKELY BEGAN THE SEQUENCE OF EVENTS RESULTING IN THE DEATH OF THE FETUS) Maternal Conditions/Diseases (Specify) _____ Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____ Fetal Anomaly (Specify) _____ Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____ <input type="checkbox"/> Unknown			13b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (SELECT OR SPECIFY ALL OTHER CONDITIONS CONTRIBUTING TO DEATH IN ITEM 13b) Maternal Conditions/Diseases (Specify) _____ Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____ Fetal Anomaly (Specify) _____ Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____ <input type="checkbox"/> Unknown		
	13c. WEIGHT OF FETUS (grams preferred, specify unit) <input type="checkbox"/> grams <input type="checkbox"/> lb/oz		13e. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death		13f. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	
	13d. OBSTETRIC ESTIMATE OF GESTATION AT DELIVERY (completed weeks)				13g. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	
					13h. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>DISPOSITION</b>						
14. METHOD OF DISPOSITION <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Donation <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____						
<b>CERTIFIER AND REGISTRATION INFORMATION</b>	15a. ATTENDANT'S NAME		15b. ATTENDANT'S NPI	15c. ATTENDANT'S TITLE <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (Specify) _____		
	16a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE SHOWN AND THAT THE FETUS WAS BORN DEAD					16b. DATE SIGNED
	SIGNATURE ➤					
	16c. MAILING ADDRESS					
<b>MOTHER'S MEDICAL RECORD NO</b>						
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>	<p>20. MOTHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery.)</p> <p><input type="checkbox"/> 8th grade or less</p> <p><input type="checkbox"/> 9th - 12th grade, no diploma</p> <p><input type="checkbox"/> High school graduate or GED completed</p> <p><input type="checkbox"/> Some college credit but no degree</p> <p><input type="checkbox"/> Associate degree (e.g., AA, AS)</p> <p><input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS)</p> <p><input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, MEd, MSW, MBA)</p> <p><input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)</p>	<p>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)</p> <p><input type="checkbox"/> No, not Spanish/Hispanic/Latina</p> <p><input type="checkbox"/> Yes, Mexican, Mexican American, Chicana</p> <p><input type="checkbox"/> Yes, Puerto Rican</p> <p><input type="checkbox"/> Yes, Cuban</p> <p><input type="checkbox"/> Yes, other Spanish/Hispanic/Latina (Specify) _____</p>	<p>22. MOTHER'S RACE (Check one or more races to indicate what the mother considers herself to be).</p> <p><input type="checkbox"/> White</p> <p><input type="checkbox"/> Black or African American</p> <p><input type="checkbox"/> American Indian or Alaska Native (Name of the enrolled or principal tribe) _____</p> <p><input type="checkbox"/> Asian Indian</p> <p><input type="checkbox"/> Chinese</p> <p><input type="checkbox"/> Filipino</p> <p><input type="checkbox"/> Japanese</p> <p><input type="checkbox"/> Korean</p> <p><input type="checkbox"/> Vietnamese</p> <p><input type="checkbox"/> Other Asian (Specify) _____</p> <p><input type="checkbox"/> Native Hawaiian</p> <p><input type="checkbox"/> Guamanian or Chamorro</p> <p><input type="checkbox"/> Samoan</p> <p><input type="checkbox"/> Other Pacific Islander (Specify) _____</p> <p><input type="checkbox"/> Other (Specify) _____</p> <p>Predominant Race _____</p>															
	<p>23. MOTHER MARRIED? (At delivery, conception, or anytime between) <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>24a. DATE OF FIRST PRENATAL CARE VISIT _____</p> <p style="text-align: center;">M M / D D / Y Y Y Y <input type="checkbox"/> No Prenatal Care</p>	<p>24b. DATE OF LAST PRENATAL CARE VISIT _____</p> <p style="text-align: center;">M M / D D / Y Y Y Y</p>	<p>25. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY _____ (If none, enter '0'.)</p>														
<p>26. MOTHER'S HEIGHT _____ (feet/inches)</p>	<p>27. MOTHER'S PRE-PREGNANCY WEIGHT _____ (pounds)</p>	<p>28. MOTHER'S WEIGHT AT DELIVERY _____ (pounds)</p>	<p>29. DID MOTHER GET WIC FOOD FOR HERSELF DURING THIS PREGNANCY? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>															
<p>30. NUMBER OF PREVIOUS LIVE BIRTHS</p> <p>30a. Now Living _____</p> <p>30b. Now Dead _____</p> <p>Number _____</p> <p><input type="checkbox"/> None</p>	<p>31. NUMBER OF OTHER PREGNANCY OUTCOMES (spontaneous or induced losses or ectopic pregnancies)</p> <p>31a. Other Outcomes _____</p> <p>Number (Do not include this fetus) _____</p> <p><input type="checkbox"/> None</p>	<p>32. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY</p> <p>For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked. IF NONE, ENTER '0'.</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"></th> <th style="width: 20%; text-align: center;"># of cigarettes</th> <th style="width: 20%; text-align: center;"># of packs</th> </tr> </thead> <tbody> <tr> <td>Three Months Before Pregnancy</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">OR _____</td> </tr> <tr> <td>First Three Months of Pregnancy</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">OR _____</td> </tr> <tr> <td>Second Three Months of Pregnancy</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">OR _____</td> </tr> <tr> <td>Third Trimester of Pregnancy</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">OR _____</td> </tr> </tbody> </table>			# of cigarettes	# of packs	Three Months Before Pregnancy	_____	OR _____	First Three Months of Pregnancy	_____	OR _____	Second Three Months of Pregnancy	_____	OR _____	Third Trimester of Pregnancy	_____	OR _____
	# of cigarettes	# of packs																
Three Months Before Pregnancy	_____	OR _____																
First Three Months of Pregnancy	_____	OR _____																
Second Three Months of Pregnancy	_____	OR _____																
Third Trimester of Pregnancy	_____	OR _____																
<p>30c. DATE OF LAST LIVE BIRTH _____</p> <p style="text-align: center;">M M / Y Y Y Y</p>	<p>31b. DATE OF LAST OTHER PREGNANCY OUTCOME _____</p> <p style="text-align: center;">M M / Y Y Y Y</p>	<p>33. DATE LAST NORMAL MENSES BEGAN _____</p> <p style="text-align: center;">M M / D D / Y Y Y Y</p>	<p>34. PLURALITY - Single, Twin, Triplet, etc. (Specify) _____</p>															
<p>35. IF NOT SINGLE BIRTH - Born First, Second, Third, etc. (Specify) _____</p>																		
<p>36. MOTHER TRANSFERRED FOR MATERNAL MEDICAL OR FETAL INDICATIONS FOR DELIVERY? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>IF YES, ENTER NAME OF FACILITY MOTHER TRANSFERRED FROM _____</p>																		
<b>MEDICAL AND HEALTH INFORMATION</b>	<p>37. RISK FACTORS IN THIS PREGNANCY (Check all that apply)</p> <p>Diabetes</p> <p><input type="checkbox"/> Pre-pregnancy (Diagnosis prior to this pregnancy)</p> <p><input type="checkbox"/> Gestational (Diagnosis in this pregnancy)</p> <p>Hypertension</p> <p><input type="checkbox"/> Pre-pregnancy (Chronic)</p> <p><input type="checkbox"/> Gestational (PIH, preeclampsia)</p> <p><input type="checkbox"/> Eclampsia</p> <p><input type="checkbox"/> Previous preterm birth</p> <p><input type="checkbox"/> Other previous poor pregnancy outcome (Includes perinatal death, small-for-gestational age/intrauterine growth restricted birth)</p> <p><input type="checkbox"/> Pregnancy resulted from infertility treatment. If yes, check all that apply:</p> <p><input type="checkbox"/> Fertility-enhancing drugs, Artificial insemination or Intrauterine insemination</p> <p><input type="checkbox"/> Assisted reproductive technology (e.g., in vitro fertilization (IVF), gamete intrafallopian transfer (GIFT))</p> <p><input type="checkbox"/> Mother had a previous cesarean delivery. If yes, how many _____</p> <p><input type="checkbox"/> None of the above</p>		<p>38. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply)</p> <p><input type="checkbox"/> Gonorrhea</p> <p><input type="checkbox"/> Syphilis</p> <p><input type="checkbox"/> Chlamydia</p> <p><input type="checkbox"/> Listeria</p> <p><input type="checkbox"/> Group B Streptococcus</p> <p><input type="checkbox"/> Cytomegalovirus</p> <p><input type="checkbox"/> Parvovirus</p> <p><input type="checkbox"/> Toxoplasmosis</p> <p><input type="checkbox"/> None of the above</p> <p><input type="checkbox"/> Other (Specify) _____</p>															
	<p>39. METHOD OF DELIVERY</p> <p>A. Was delivery with forceps attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>B. Was delivery with vacuum extraction attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>C. Fetal presentation at delivery</p> <p><input type="checkbox"/> Cephalic</p> <p><input type="checkbox"/> Breech</p> <p><input type="checkbox"/> Other _____</p> <p>D. Final route and method of delivery (Check one)</p> <p><input type="checkbox"/> Vaginal/Spontaneous</p> <p><input type="checkbox"/> Vaginal/Forceps</p> <p><input type="checkbox"/> Vaginal/Vacuum</p> <p><input type="checkbox"/> Cesarean</p> <p>If cesarean, was a trial of labor attempted? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>E. Hysterotomy/Hysterectomy <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>40. MATERNAL MORBIDITY (Check all that apply) (Complications associated with labor and delivery)</p> <p><input type="checkbox"/> Maternal transfusion</p> <p><input type="checkbox"/> Third or fourth degree perineal laceration</p> <p><input type="checkbox"/> Ruptured uterus</p> <p><input type="checkbox"/> Unplanned hysterectomy</p> <p><input type="checkbox"/> Admission to intensive care unit</p> <p><input type="checkbox"/> Unplanned operating room procedure following delivery</p> <p><input type="checkbox"/> None of the above</p>																
<p>41. CONGENITAL ANOMALIES OF THE FETUS (Check all that apply)</p> <p><input type="checkbox"/> Anencephaly</p> <p><input type="checkbox"/> Meningocele/Spina bifida</p> <p><input type="checkbox"/> Cyanotic congenital heart disease</p> <p><input type="checkbox"/> Congenital diaphragmatic hernia</p> <p><input type="checkbox"/> Omphalocele</p> <p><input type="checkbox"/> Gastroschisis</p> <p><input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes)</p> <p><input type="checkbox"/> Cleft Lip with or without Cleft Palate</p> <p><input type="checkbox"/> Cleft Palate alone</p> <p><input type="checkbox"/> Down Syndrome</p> <p><input type="checkbox"/> Karyotype confirmed</p> <p><input type="checkbox"/> Karyotype pending</p> <p><input type="checkbox"/> Suspected chromosomal disorder</p> <p><input type="checkbox"/> Karyotype confirmed</p> <p><input type="checkbox"/> Karyotype pending</p> <p><input type="checkbox"/> Hypospadias</p> <p><input type="checkbox"/> None of the anomalies listed above</p>																		

# 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 <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____			Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____		
	Other Obstetrical or Pregnancy Complications (Specify) _____			Other Obstetrical or Pregnancy Complications (Specify) _____		
Fetal Anomaly (Specify) _____			Fetal Anomaly (Specify) _____			
Fetal Injury (Specify) _____			Fetal Injury (Specify) _____			
Fetal Infection (Specify) _____			Fetal Infection (Specify) _____			
Other Fetal Conditions/Disorders (Specify) _____			Other Fetal Conditions/Disorders (Specify) _____			
<input type="checkbox"/> Unknown			<input type="checkbox"/> Unknown			
13c. WEIGHT OF FETUS (grams preferred, specify unit)		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) _____					
	15a. ATTENDANT'S NAME		15b. ATTENDANT'S NPI	15c. ATTENDANT'S TITLE <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (Specify) _____		
	16a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE SHOWN AND THAT THE FETUS WAS BORN DEAD SIGNATURE _____		16b. DATE SIGNED _____			
16c. MAILING ADDRESS _____						
MOTHER'S MEDICAL RECORD NO. _____	17a. NAME OF CEMETARY OR CREMATORY			17b. LOCATION (CITY, TOWN, COUNTY) (STATE)		
	18a. DATE RECEIVED BY REGISTRAR		18b. REGISTRAR'S SIGNATURE _____		19. FUNERAL DIRECTOR'S SIGNATURE _____ ADDRESS _____	

## APPENDIX H (cont.)

### STATE OF DELAWARE CERTIFICATE OF FETAL DEATH

<b>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>	
<i>This Burial-Transit Permit must be signed above by the Cemetery or Crematory Authority. If no full time person is in charge of the cemetery, the Funeral Director may sign as Sexton. This Burial-Transit Permit is to be retained by the Manager, Superintendent, Caretaker, Sexton or other person in charge of Burial, Entombment or Cremation, or if none, then the Funeral Director.</i>	

REV. 04/2005

Sample

# APPENDIX I

## STATE OF DELAWARE CERTIFICATE OF MARRIAGE

1

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 J

## STATE OF DELAWARE CERTIFICATE OF DIVORCE OR ANNULMENT

<b>TYPE/PRINT IN PERMANENT BLACK INK</b>	<b>CERTIFICATE OF DIVORCE OR ANNULMENT</b>			
	<b>State of Delaware</b>			
	<b>OFFICE OF VITAL STATISTICS     DIVISION OF PUBLIC HEALTH</b>			
	State File No. _____			
<b>HUSBAND</b>	1. HUSBAND'S NAME (First, Middle, Last)			
	2a. RESIDENCE - STREET OR NUMBER, CITY		2b. COUNTY	
	2c. STATE                                  ZIP	3. BIRTHPLACE (State or Foreign Country)	4. DATE OF BIRTH (Month, Day, Year)	
	5a. WIFE'S NAME (First, Middle, Last)			
<b>WIFE</b>	6a. RESIDENCE - STREET OR NUMBER, CITY		5b. MAIDEN SURNAME	
	6c. STATE                                  ZIP	7. BIRTHPLACE (State or Foreign Country)	6b. COUNTY	
	9a. PLACE OF THIS MARRIAGE - CITY, TOWN, OR LOCATION		9b. COUNTY	9c. STATE OR FOREIGN COUNTRY
			10. DATE OF THIS MARRIAGE (Month, Day, Year)	
<b>MARRIAGE</b>	11. DATE COUPLE LAST REUNITED IN SAME HOUSEHOLD	12. NUMBER OF CHILDREN UNDER 18 IN THIS HOUSEHOLD AS OF THE DATE OF FILING THIS PETITION	13. PETITIONER ( ) Husband ( ) Wife ( ) Both ( ) None ( ) Other (Specify)	
	DRAFT			
<b>ATTORNEY</b>	14a. NAME OF PETITIONER'S ATTORNEY (Type/Print)		14b. ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code)	
	15. I CERTIFY THAT THE MARRIAGE OF THE NAMED PERSONS WAS DISSOLVED (Month, Day, Year)		16. TYPE OF DECREE - Divorce or Annulment (Specify)	
<b>DECREE</b>	17. DATE RECORDED (Month, Day, Year)		18. NUMBER OF CHILDREN UNDER 18 WHOSE PHYSICAL CUSTODY WAS AWARDED TO:  Husband _____ Wife _____ Joint (Husband/Wife) _____ Other _____ ( ) No Children CONTESTED <input type="checkbox"/> YES <input type="checkbox"/> NO	
	19. COUNTY OF DECREE		20. TITLE OF COURT	
	21. SIGNATURE OF CERTIFYING OFFICIAL	22. TITLE OF CERTIFYING OFFICIAL	23. DATE SIGNED (Month, Day, Year)	

STATE FILE COPY

ATTORNEY - Complete items 1-14b and 24-27 when filing petition and leave with Clerk of the Court.  
 CLERK OF THE COURT - After final decree complete item 15-23 and forward to:  
 Office of Vital Statistics, P.O. Box 637, DOVER, DELAWARE 19903

	24. Number of this Marriage - 1st, 2nd, etc. (Specify below)	25. If Previously Married			26. Race/American Indian, Black, White, etc. (Specify below)	27. Education (Specify highest grade completed)	
		Date of First Marriage (Mth./Day/Year)	Last Marriage Ended by Death, Divorce or Annulment (Specify below)	Last Marriage Ended on: (Mth./Day/Year)		Elementary/Secondary (0-12)	College (1-4 or 5+)
<b>HUSBAND</b>	24a.	25a.	25b.	25c.	26a.	27a.	
<b>WIFE</b>	24b.	25d.	25e.	25f.	26b.	27b.	

# 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	14b. Not Living	14c. Spontaneous	14d. Induced (Do not include this termination)
		Number _____ <input type="checkbox"/> None	Number _____ <input type="checkbox"/> None	Number _____ <input type="checkbox"/> None	Number _____ <input type="checkbox"/> None
15. TYPE OF TERMINATION PROCEDURE <i>(Check only one)</i>					
<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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