

---

# DELAWARE VITAL STATISTICS ANNUAL REPORT ■ 2013



*DELAWARE HEALTH AND SOCIAL SERVICES*  
Division of Public Health

---

Selected Characteristics: Delaware Vital Statistics Annual Report, 2013

Population	Number*	Percent	Fetal Deaths	Number*	Percent
Delaware	923,736	100.0%	Delaware	55	100.0%
<i>Kent</i>	168,391	18.2%	<i>Kent</i>	17	30.9%
<i>New Castle</i>	546,396	59.2%	<i>New Castle</i>	30	54.5%
<i>Sussex</i>	208,949	22.6%	<i>Sussex</i>	8	14.5%
			<b>Race</b>		
<b>Marriages</b>	<b>Number*</b>	<b>5-yr Rate<sup>1</sup></b>	<i>White</i>	24	43.6%
Delaware	6,084	5.6	<i>Black</i>	26	47.3%
<i>Kent</i>	972	5.7	<i>Hispanic Origin<sup>4</sup></i>	5	9.1%
<i>New Castle</i>	3,007	4.8			
<i>Sussex</i>	2,107	7.8	<b>Infant Mortality</b>	<b>Number*</b>	<b>5-yr Rate<sup>5</sup></b>
			Delaware	68	7.7
<b>Divorces</b>	<b>Number*</b>	<b>5-yr Rate<sup>1</sup></b>	<i>Kent</i>	6	6.6
Delaware	3,133	3.5	<i>New Castle</i>	48	8.8
<i>Kent</i>	729	4.3	<i>Sussex</i>	14	5.4
<i>New Castle</i>	1,607	3.2	<b>Race</b>		
<i>Sussex</i>	797	3.6	<i>White</i>	48	5.1
			<i>Black</i>	34	13.4
<b>Live Births</b>	<b>Number*</b>	<b>5-yr Rate<sup>2</sup></b>	<i>Hispanic Origin<sup>4</sup></i>	12	7.3
Delaware	10,802	63.5			
<i>Kent</i>	2,180	64.9	<b>Mortality</b>	<b>Number*</b>	<b>Adj. Rate<sup>6</sup></b>
<i>New Castle</i>	6,440	60.5	Delaware	7,967	696.6
<i>Sussex</i>	2,178	72.6	<i>Kent</i>	1,422	802.9
<b>Births to Teenagers (15-19)</b>			<i>New Castle</i>	4,338	711.5
<i>White</i>	386	26.4	<i>Sussex</i>	2,207	635.2
<i>Black</i>	320	47.1	<b>Race and Gender</b>		
Delaware	724	30.5	<i>White Males</i>	3,289	826.6
<i>Kent</i>	134	31.1	<i>White Females</i>	3,209	581.1
<i>New Castle</i>	391	27.1	<i>Black Males</i>	652	927.7
<i>Sussex</i>	199	41.5	<i>Black Females</i>	643	656.1
<b>Race</b>	<b>Number*</b>	<b>Percent</b>	<b>Decedent's Age</b>	<b>Number*</b>	<b>Percent</b>
<i>White</i>	7,087	65.6%	<1	68	0.9%
<i>Black</i>	3,049	28.2%	1-14	29	0.4%
<i>Hispanic Origin<sup>4</sup></i>	1,342	12.4%	15-24	82	1.0%
<b>Marital Status</b>			25-44	359	4.5%
<i>Married</i>	5,649	52.3%	45-64	1739	21.8%
<i>Single</i>	5,153	47.7%	65-74	1385	17.4%
<b>Births to Single Mothers<sup>3</sup></b>			75-84	1931	24.2%
<i>White</i>	2,868	40.5%	85+	2374	29.8%
<i>Black</i>	2,168	71.1%	<b>Leading Causes of Death</b>		
<i>Hispanic Origin<sup>4</sup></i>	841	62.7%	Malignant neoplasms	1,903	23.9%
<b>Low Birth Weight (&lt;2500 gms)</b>			Diseases of heart	1,864	23.4%
All Races	904	8.4%	Dementia	422	5.3%
<i>White</i>	459	6.5%	Chronic lower respiratory diseases	483	6.1%
<i>Black</i>	388	12.7%	Cerebrovascular diseases	409	5.1%
<i>Hispanic Origin<sup>4</sup></i>	75	5.6%	Accidents (unintentional injuries)	403	5.1%

Notes:

- \* Numbers are for 2013.
- 1. The 5-year rate is per 1,000 population and refers to the period 2009-2013.
- 2. The 5-year rate refers to total live births per 1,000 women 15-44 years of age during the 2009-2013 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 2013.
- 5. The 5-year (2009-2013) infant mortality rates represent the number of deaths to children under one year of age per 1,000 live births.
- 6. The 2013 mortality rates (deaths per 100,000 population) for Delaware and the counties are age-adjusted to the 2000 U.S. population.

SUMMARY

Source: Delaware Health Statistics Center

**Jack Markell, Governor**  
State of Delaware

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

# DELAWARE VITAL STATISTICS ANNUAL REPORT, 2013

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

417 Federal Street  
Dover, DE 19901

Telephone (302) 744-4541  
FAX (302) 739-6631

Karyl Thomas Rattay, MD, MS  
Director  
Division of Public Health



*DELAWARE HEALTH AND SOCIAL SERVICES*  
Division of Public Health

Delaware  
Center **DH** Health  
**SC** Statistics

**Intentionally left blank**

## PREFACE

I am pleased to present the 2013 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 2013 Delaware Vital Statistics Annual Report presents a wide variety of data and statistics that can assist us in this endeavor. Information in this report identifies racial differences, such as the large disparity between black and white mortality rates for HIV, homicide, diabetes, kidney disease, and hypertension. It presents health indicators such as life expectancy, the leading causes of death, teen birth rates, general fertility rates, and infant mortality rates; and it provides historical data that demonstrate movement over time.

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

Karyl Thomas Rattay MD, MS



---

Director  
Delaware Division of Public Health

**Intentionally left blank**

## 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, Genelyn Viray, Georgette Opoku, and Helen Morella. We also recognize local registrars, physicians, nurses, medical records staffs, midwives, funeral directors, and county clerks for their help in collecting and providing us with these data. Finally, special thanks go to the Jennifer Miles for providing the cover photograph.

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

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

### Visit our website at:

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

### Suggested citation:

Delaware Health Statistics Center. *Delaware Vital Statistics Annual Report, 2013*. Delaware Department of Health and Social Services, Division of Public Health: 2016.

**Intentionally left blank**



# TABLE OF CONTENTS

## DELAWARE VITAL STATISTICS ANNUAL REPORT, 2012

<b>THE DELAWARE VITAL STATISTICS SYSTEM</b>			1
<b>BASIC DEFINITIONS</b>			3
<b>RATES</b>			9
<b>VITAL STATISTICS TRENDS</b>			13
<b>A.</b>	<b>POPULATION</b>		
	Population Summary		17
	<b>Population Tables and Figures</b>		
Table	A-1	Percent Change in Population by Sex - Delaware, Counties, City of Dover, City of Newark, and City of Wilmington, 1970-2020	19
Figure	A-1	Population Growth - Delaware and Counties, 1800-2030	20
Figure	A-2	Live Births, Deaths, and Natural Increase - Delaware, 1985-2012	21
Table	A-2	Population Estimates by Sex, Race and Age - Delaware, Counties, City of Dover, City of Newark, and City of Wilmington, 2012	22
<b>B.</b>	<b>MARRIAGE AND DIVORCE</b>		
	Marriage and Divorce Summary		25
	<b>Marriage and Divorce Tables</b>		
Table	B-1	Number of Marriages by Place of Ceremony - U.S., Delaware and Counties, 1989-2012	27
Table	B-2	Five-Year Average Marriage Rates per 1,000 Population by Place of Ceremony - U.S., Delaware and Counties, 1989-2012	27
Table	B-3	Number and Percent of Marriages by Race of Groom and Bride - Delaware, 2012	28
Table	B-4	Number and Percent of Marriages by Previous Marital Status and Race of Bride and Groom - Delaware, 2012	28
Table	B-5	Number and Percent of Marriages by Marriage Order, Type of Ceremony and Race of Bride and Groom - Delaware, 2012	29
Table	B-6	Median and Mean Age of Bride and Groom by Marriage Order and Race - Delaware, 2012	29
Table	B-7	Number and Percent of Marriages by Marriage Order, Age and Race of Bride and Groom - Delaware, 2012	30
Table	B-8	Number of Marriages by Marriage Order and Age of Bride by Marriage Order and Age of Groom - Delaware, 2012	31
Table	B-9	Number and Percent of Marriages by Month of Ceremony - Delaware, 2012	32
Table	B-10	Number and Percent of Marriages by Day of Week Ceremony Performed - Delaware, 2012	32
Table	B-11	Number of Divorces/Annulments* by Place of Decree - Delaware and Counties, 1989-2012	33

Table	B-12	Five-Year Average Divorce/Annulment* Rates per 1,000 Population by Place of Decree - Delaware and Counties, 1989-2012	33
Table	B-13	Number of Divorces/Annulments* by Race of Wife and Race of Husband - Delaware, 2012	34
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	34
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	35
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	36
Table	B-17	Number and Percent of Divorces/Annulments* by Marriage Order, Duration of This Marriage and Race of Husband and Wife - Delaware, 2012	37
Table	B-18	Number and Percent of Divorces by Race of Husband and Wife and Number of Children under 18 - Delaware, 2012	38

**C. LIVE BIRTHS**

		Live Birth Summary	41
--	--	--------------------	----

**Live Birth Tables and Figures**

**NUMBER OF LIVE BIRTHS BY AGE OF MOTHER**

Table	C-1	Number of Live Births by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 2000-2012 - (All Races)	49
Table	C-2	Number of Live Births by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 2000-2012 - (White)	50
Table	C-3	Number of Live Births by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 2000-2012 - (Black)	51
Table	C-4	Number of Live Births by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 2000-2012 - (Hispanic Origin1)	52

**TEEN BIRTH RATES**

Table	C-5	Five-Year Average Teenage Live Birth Rates by Age and Race of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012	53
Figure	C-1	Five-Year Average Teenage (15-19) Live Birth Rates - U.S., Delaware and Counties, 1985-2012	54
Figure	C-2	Five-Year Average Percent Live Births to Teens (15-19) by Census County Division, Delaware, 2006-2012	55
Figure	C-3	Five-Year Average Teenage (15-19) Live Birth Rates by Race - U.S. and Delaware, 1985-2012	56
Figure	C-4	Five-Year Average Teenage (15-17) Live Birth Rates - U.S., Delaware and Counties, 1985-2012	57
Figure	C-5	Five-Year Average Teenage (18-19) Live Birth Rates - U.S., Delaware and Counties, 1985-2012	58

**GENERAL FERTILITY AND AGE-SPECIFIC BIRTH RATES**

Table	C-6	Five-Year General Fertility and Age-Specific Live Birth Rates - U.S., Delaware and Counties, 1991-2012 - (All Races)	59
Table	C-7	Five-Year General Fertility and Age-Specific Live Birth Rates - U.S., Delaware and Counties, 1991-2012 - (White)	60
Table	C-8	Five-Year General Fertility and Age-Specific Live Birth Rates - U.S., Delaware and Counties, 1991-2012 - (Black)	61
Figure	C-6	Five-Year Average General Fertility Rates - U.S., Delaware and Counties, 1985-2012	62
Figure	C-7	Five-Year Average General Fertility Rates by Race - U.S. and Delaware, 1985-2012	63
Figure	C-8	Five-Year Average Age-Specific Live Birth Rates by Race - Delaware, 2008-2012	64
Figure	C-9	Five-Year Average Age-Specific Live Birth Rates - Counties, 2008-2012	65
Table	C-9	Number of Live Births by Age, Race and Hispanic Origin of Mother - Delaware, Counties and City of Wilmington, 2012	66
<b>NUMBER OF BIRTHS BY AGE, RACE, MARITAL STATUS, AND EDUCATION</b>			
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	67
Table	C-11	Number of Live Births by Education and Age of Mother - Delaware, Counties and City of Wilmington, 2012	68
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	69
Table	C-13	Five-Year Average Percentage of Live Births to Single Mothers by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (All Races)	70
Table	C-14	Five-Year Average Percentage of Live Births to Single Mothers by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (White)	71
Table	C-15	Five-Year Average Percentage of Live Births to Single Mothers by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (Black)	72
Table	C-16	Five-Year Average Percentage of Live Births to Single Mothers by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (Hispanic Origin*)	73
Figure	C-10	Five-Year Average Percentage of Births to Single Mothers by Race and Hispanic Origin - Delaware, 1989-2012	74
Table	C-17	Number of Live Births by Age, Marital Status, Race and Hispanic Origin of Mother - Delaware, Counties and City of Wilmington, 2012	75
<b>NUMBER OF BIRTHS BY LIVE BIRTH ORDER AND PLURALITY</b>			
Table	C-18	Number of Live Births by Live Birth Order and Age of Mother - Delaware, Counties and City of Wilmington, 2012	76
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	77
Table	C-20	Number of Live Births by Plurality and Age of Mother - Delaware, Counties and City of Wilmington, 2012	78
Table	C-21	Number and Percent of Live Births by Plurality, Race and Hispanic Origin of Mother - Delaware, Counties and City of Wilmington, 2012	79

## NUMBER OF BIRTHS BY FACILITY AND ATTENDANT

Table	C-22	Number and Percent of Live Births by Place of Birth, Type of Facility and Residence Status - Delaware, 2012	80
-------	------	---	----

## FIVE-YEAR AVERAGE PERCENTAGE OF BIRTHS BY BIRTH WEIGHT

Table	C-23	Five-Year Average Percentage of Low Birthweight Births (<2500 Grams) by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (All Races)	81
Table	C-24	Five-Year Average Percentage of Low Birthweight Births (<2500 Grams) by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (White)	82
Table	C-25	Five-Year Average Percentage of Low Birthweight Births (<2500 Grams) by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (Black)	83
Table	C-26	Five-Year Average Percentage of Low Birthweight Births (<2500 Grams) by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (Hispanic Origin*)	84
<i>Figure</i>	C-11	Five-Year Average Percentage of Low Birthweight Births (<2500 Grams) by Race and Hispanic Origin - Delaware, 1991-2012	85
<i>Figure</i>	C-12	Five-Year Average Percentage of Low Birthweight Births (<2500 Grams) by Race and Hispanic Origin - Delaware and Counties, 2008-2012	86
Table	C-27	Five-Year Average Percentage of Very Low Birthweight Births (<1500 Grams) by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (All Races)	87
Table	C-28	Five-Year Average Percentage of Very Low Birthweight Births (<1500 Grams) by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (White)	88
Table	C-29	Five-Year Average Percentage of Very Low Birthweight Births (<1500 Grams) by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (Black)	89
Table	C-30	Five-Year Average Percentage of Very Low Birthweight Births (<1500 Grams) by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (Hispanic Origin*)	90
<i>Figure</i>	C-13	Five-Year Average Percentage of Very Low Birthweight Births (<1500 Grams) by Race and Hispanic Origin - Delaware, 1991-2012	91
<i>Figure</i>	C-14	Five-Year Average Percentage of Very Low Birthweight Births (<1500 Grams) by Race - Delaware and Counties, 2008-2012	92
Table	C-31	Number of Live Births by Birthweight in Grams and Age of Mother - Delaware, Counties and City of Wilmington, 2012	93

## NUMBER OF BIRTHS BY GESTATION

Table	C-32	Number of Live Births by Birthweight in Grams, Race and Hispanic Origin of Mother - Delaware, Counties and City of Wilmington, 2012	94
-------	------	---	----

Table	C-33	Number of Live Births by Race and Hispanic Origin of Mother, Weeks of Gestation and Age of Mother - Delaware, 2012	95
Table	C-34	Number of Live Births by Race and Hispanic Origin of Mother, Birthweight and Weeks of Gestation - Delaware, 2012	96
<b>PRENATAL CARE</b>			
Table	C-35	Five-Year Average Percentage of Births to Mothers Beginning Prenatal Care in the First Trimester by Age of Mother - U.S., Delaware, Counties and City of Wilmington, 1991-2012 - (All Races)	97
<b>SOURCE OF PAYMENT</b>			
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	98
Table	C-37	Number and Percent of Live Births by Trimester Prenatal Care Began and Principal Source of Payment for Delivery - Delaware, Counties and City of Wilmington, 2012	99
<b>METHOD OF DELIVERY</b>			
Table	C-38	Number of Live Births by Method of Delivery, Delaware, 2012	100
Table	C-39	Number and Percent of Live Births by Birthweight in Grams and Method of Delivery, Delaware, 2012	100
Table	C-40	Number and Percent of Live Births by Age of Mother and Method of Delivery, Delaware, 2012	100
Figure	C-15	Five-Year Percent Births by Cesarean Section Delivery by Race and Ethnicity, Delaware, 1989-2012	101
<b>TOBACCO USE</b>			
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	102
Table	C-42	Number and Percent of Live Births by Age of Mother and Mother's Reported Use of Tobacco during Pregnancy - Delaware, 2012	103
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	103
Table	C-44	Percentage of Live Births for Mothers Reporting Tobacco Use during Pregnancy by Race and Hispanic Origin - U.S. and Delaware, 1996-2012	104
<b>TIME OF YEAR AND MOST POPULAR BIRTH NAMES</b>			
Table	C-45	Number and Percent of Live Births by Day of the Week - Delaware, 2012	105
Table	C-46	Number and Percent of Live Births by Month - Delaware, 2012	105
Table	C-47	Most Popular Birth Names by Sex of Child - Delaware, 2008-2012	106

**RANKINGS AND MAPS**

Table	C-48	Ranking of Percentage of Low Birthweight (<2500 Grams) - U.S., 50 States and District of Columbia, 2012	107
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	108
<b>D.</b>	<b>FETAL DEATHS</b>		
	Fetal Death Summary		111
	<b>Fetal Death Tables</b>		
Table	D-1	Number of Fetal Deaths by Race, Hispanic Origin, and Age of Woman - Delaware and Counties, 2012	113
Table	D-2	Number Fetal Deaths by Race, Hispanic Origin, and Education of Woman - Delaware, 2012	114
Table	D-3	Number of Fetal Deaths by Race, Hispanic Origin, and Marital Status of Woman - Delaware and Counties, 2012	114
Table	D-4	Number of Fetal Deaths by Weight of Fetus in Grams and Race of Woman - Delaware and Counties, 2012	115
Table	D-5	Number of Fetal Deaths by Weeks of Gestation and Race of Woman - Delaware and Counties, 2012	116
Table	D-6	Five-Year Average Perinatal Mortality Rates by Race - Delaware and Counties, 1991-2012	117
<i>Figure</i>	D-1	Five-Year Average Perinatal Mortality Rates by Race - Delaware, 1989-2012	118
<b>E.</b>	<b>INFANT MORTALITY</b>		
	Infant Mortality Summary		121
	<b>Infant Mortality Tables and Figures</b>		
Table	E-1	Number of Infant Deaths by Race - U.S., Delaware, Counties and City of Wilmington, 1992-2012	131
Table	E-2	Number of Neonatal Deaths by Race - U.S., Delaware, Counties and City of Wilmington, 1992-2012	132
Table	E-3	Number of Postneonatal Deaths by Race - U.S., Delaware, Counties and City of Wilmington, 1992-2012	133
Table	E-4	Five-Year Average Infant Mortality Rates by Race - U.S., Delaware, Counties and City of Wilmington, 1989-2012	134
<i>Figure</i>	E-1	Five-Year Average Infant Mortality Rates by Race - Delaware, 1988-2012	135
<i>Figure</i>	E-2	Five-Year Average Infant Mortality Rates by Race - Delaware, Counties and the City of Wilmington, 2008-2012	136
Table	E-5	Five-Year Average Neonatal Mortality Rates by Race - U.S., Delaware, Counties and City of Wilmington, 1989-2012	137

<i>Figure</i>	E-3	Five-Year Average Neonatal Mortality Rates by Race - Delaware, 1988-2012	138
Table	E-6	Five-Year Average Postneonatal Mortality Rates by Race - U.S., Delaware, Counties and City of Wilmington, 1989-2012	139
<i>Figure</i>	E-4	Five-Year Average Postneonatal Mortality Rates by Race - Delaware, 1988-2012	140
Table	E-7	Five-Year Average Infant Mortality Rates by Selected Risk Markers and Race of Mother - Delaware, 2007-2011 Live Birth Cohort	141
Table	E-8	Leading Causes of Infant Death by Gestational Age Category - Delaware, 2007-2011 Live Birth Cohort	142
Table	E-9	Five-Year Average Infant Mortality Rates by Race and Selected Risk Markers - Delaware Live Birth Cohort, 1989-2011	143
<i>Figure</i>	E-5	Five-Year Average Infant Mortality Rates by Race and Plurality - Delaware, 1994-2011 Live Birth Cohort	145
<i>Figure</i>	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	146
<i>Figure</i>	E-7	Five-Year Average Infant Mortality Rates by Race and Source of Payment for Delivery Delaware, 1991-2011 Live Birth Cohort	147
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	148
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	149
<b>F.</b>	<b>MORTALITY</b>		
	Mortality Summary		153
	<b>Mortality Tables and Figures</b>		
Table	F-1	Number of Deaths by Race - U.S., Delaware, Counties and City of Wilmington, 1996-2012	163
Table	F-2	Number of Deaths by Age, Race, and Hispanic Origin - Delaware, Counties and City of Wilmington, 2012	164
Table	F-3	Number of Deaths by Age and Race - Delaware, Counties and City of Wilmington, 2012 - (Both Sexes)	165
Table	F-4	Number of Deaths by Age and Race - Delaware, Counties and City of Wilmington, 2012 - (Males)	166
Table	F-5	Number of Deaths by Age and Race - Delaware, Counties and City of Wilmington, 2012 - (Females)	167
Table	F-6	Mortality Trends by Race, Ethnicity, Gender, and Age - Delaware, 1999-2012	168

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	169
<i>Figure</i>	F-1	Leading Causes of Death - Delaware, 2012	170
<i>Figure</i>	F-2	Five-Year Age-Adjusted Drug- and Alcohol-Induced Mortality Rates by Sex - Delaware, 1990-2012	171
Table	F-8	Leading Causes of Death - Counties and City of Wilmington, 2008-2012	172
Table	F-9	Ten Leading Causes of Death by Sex and Race Group - Delaware, 2008-2012	173
Table	F-10	Ten Leading Causes of Death by Race-Sex Group - Delaware, 2008-2012	174
Table	F-11	Ten Leading Causes of Death by Age - Delaware, 2008-2012	175
Table	F-12	Number of Deaths by Age for Selected Leading Causes of Death - Delaware, 2012 - (All Races, Both Sexes)	176
Table	F-13	Number of Deaths by Age for Selected Leading Causes of Death - Kent, 2012 - (All Races, Both Sexes)	178
Table	F-14	Number of Deaths by Age for Selected Leading Causes of Death - New Castle, 2012 - (All Races, Both Sexes)	180
Table	F-15	Number of Deaths by Age for Selected Leading Causes of Death - City of Wilmington, 2012 - (All Races, Both Sexes)	182
Table	F-16	Number of Deaths by Age for Selected Leading Causes of Death - Sussex, 2012 - (All Races, Both Sexes)	184
Table	F-17	Number of Deaths by Age for Selected Leading Causes of Death - Delaware, 2012 - (All Races, Males)	186
Table	F-18	Number of Deaths by Age for Selected Leading Causes of Death - Delaware, 2012 - (All Races, Females)	188
Table	F-19	Number of Deaths by Age for Selected Leading Causes of Death - Delaware, 2012 - (White, Both Sexes)	190
Table	F-20	Number of Deaths by Age for Selected Leading Causes of Death - Delaware, 2012 - (White Males)	192
Table	F-21	Number of Deaths by Age for Selected Leading Causes of Death - Delaware, 2012 - (White Females)	194
Table	F-22	Number of Deaths by Age for Selected Leading Causes of Death - Delaware, 2012 - (Black, Both Sexes)	196
Table	F-23	Number of Deaths by Age for Selected Leading Causes of Death - Delaware, 2012 - (Black Males)	198
Table	F-24	Number of Deaths by Age for Selected Leading Causes of Death - Delaware, 2012 - (Black Females)	200
Table	F-25	HIV Infection/AIDS1 Deaths by County, Race, Hispanic2 Origin and Sex - U.S., Delaware, and Counties, 1995-2012	202
<i>Figure</i>	F-3	Number of HIV Deaths by Race and Sex - Delaware, 1987-2012	203
Table	F-26	Number and Percent of Deaths by Method of Disposition and Race - Delaware, Counties and City of Wilmington, 2012	204



Table	F-27	Life Expectancy at Birth* by Race and Sex - Delaware, 1989-2012	205
Table	F-28	Average Remaining Years of Life* by Age, Race, and Sex - Delaware, 2012	205
Table	F-29	Maternal Deaths - Delaware and Counties, 1984-2012	206
Table	F-30	Five-Year Age-Adjusted Mortality Rates for Selected Causes of Death - Delaware and Counties, 2008-2012	207
Table	F-31	Five-Year Age-Adjusted Mortality Rates for Selected Leading Causes of Death - Delaware and Counties, 1989-2012	208
Table	F-32	Five-Year Age-Adjusted Mortality Rates for Selected Leading Causes of Death by Race and Sex - Delaware, 1989-2012	211
<b>TECHNICAL NOTES</b>			217
<b>APPENDICES</b>			
APPENDIX A		Random Variation	227
APPENDIX B		Methods for Adjustment and Statistical Analysis of Five-Year Average Mortality Rates	228
APPENDIX C		Creation of a Live Birth Cohort File	230
APPENDIX D		Comparable Category Codes for Selected Causes of Infant Death	231
APPENDIX E		Comparable Category Codes for Selected Causes of Death	233
APPENDIX F		State of Delaware Certificate of Live Birth	235
APPENDIX G		State of Delaware Certificate of Death	237
APPENDIX H		State of Delaware Certificate of Fetal Death	239
APPENDIX I		State of Delaware Certificate of Marriage	243
APPENDIX J		State of Delaware Certificate of Divorce or Annulment	244
APPENDIX K		State of Delaware Report of Induced Termination of Pregnancy	245
<b>REFERENCES</b>			247

# 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.



**Page after Definitions  
(Insert Blank Sheet Here)**

## 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

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

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

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

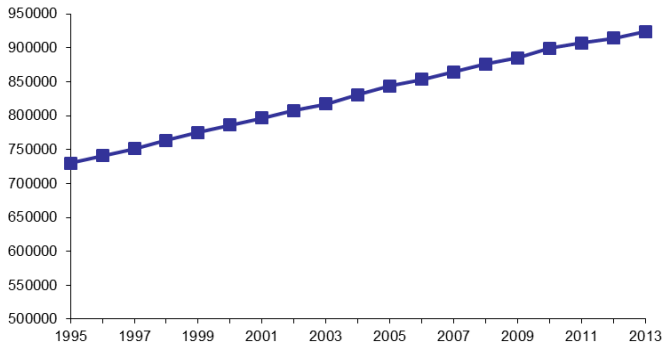
$$\text{Neonatal Mortality Rate} = \frac{\text{Number of Neonatal Deaths}}{\text{Total Live Births}} \times 1,000$$

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

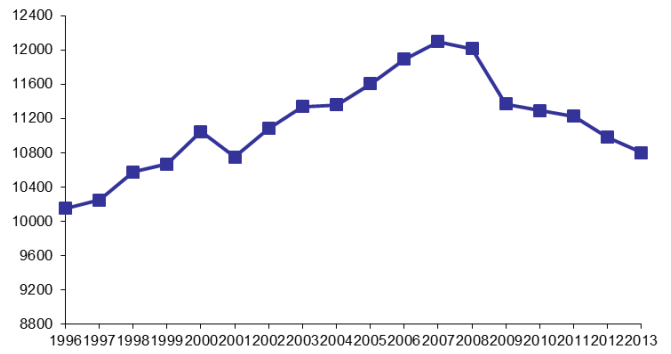
**Intentionally left blank**

# 2013 DELAWARE VITAL STATISTICS

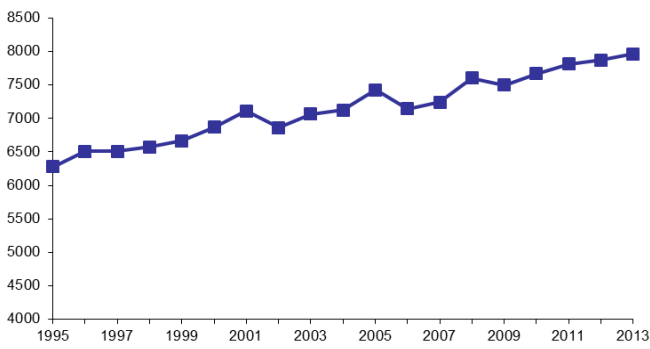
**Population**  
Delaware, 1995-2013



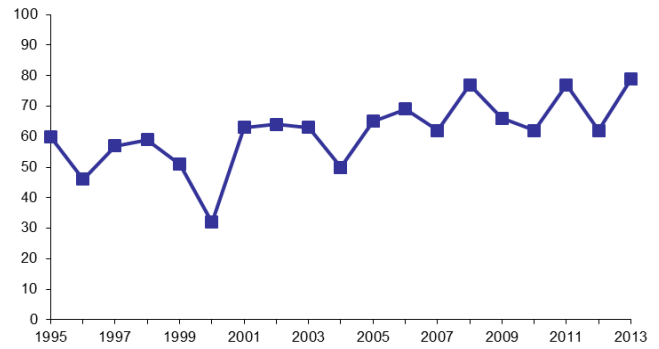
**Live Births**  
Delaware, 1995-2013



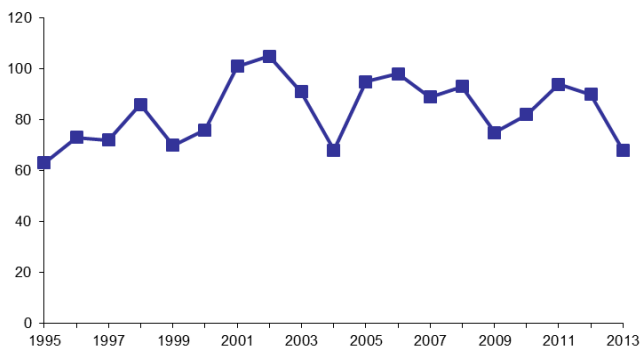
**Deaths**  
Delaware, 1995-2013



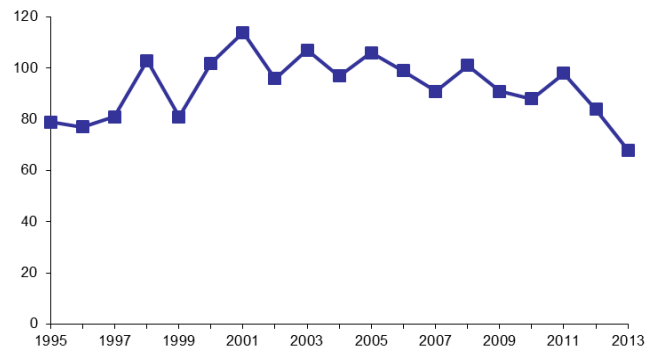
**Fetal Deaths**  
Delaware, 1995-2013



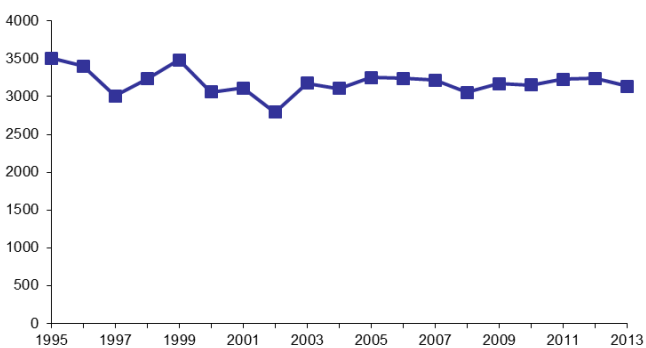
**Perinatal Deaths**  
Delaware, 1995-2013



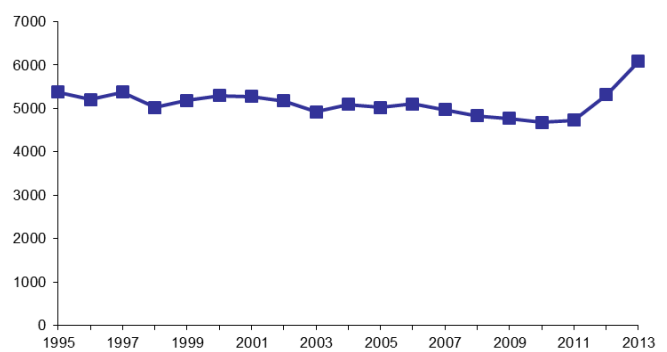
**Infant (< 1 year of age) Deaths**  
Delaware, 1995-2013



**Divorces**  
Delaware, 1995-2013



**Marriages**  
Delaware, 1995-2013



Source: Delaware Health Statistics Center

**Intentionally left blank**

The background of the slide consists of a series of parallel, diagonal gray lines that run from the top-left towards the bottom-right. These lines are evenly spaced and cover the entire area of the slide.

# Population



**Intentionally left blank**

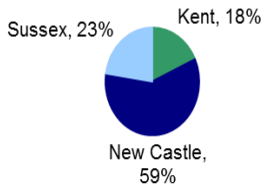
## POPULATION

Delaware's three counties continued their increasing population trend, though they grew at different rates. Between 2000 and 2013, county populations grew annually by 2.3 percent for Kent, 0.6 percent for New Castle, and 2.3 percent for Sussex. Delaware's statewide increase was 1.2 percent.

In 2013, 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 four residents was 65 or older, versus New Castle and Kent counties, where approximately one in seven residents was 65 or older.

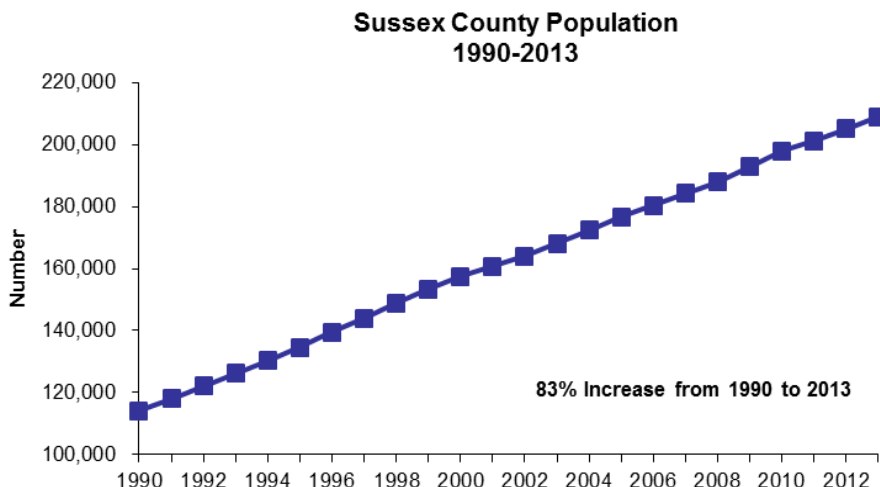
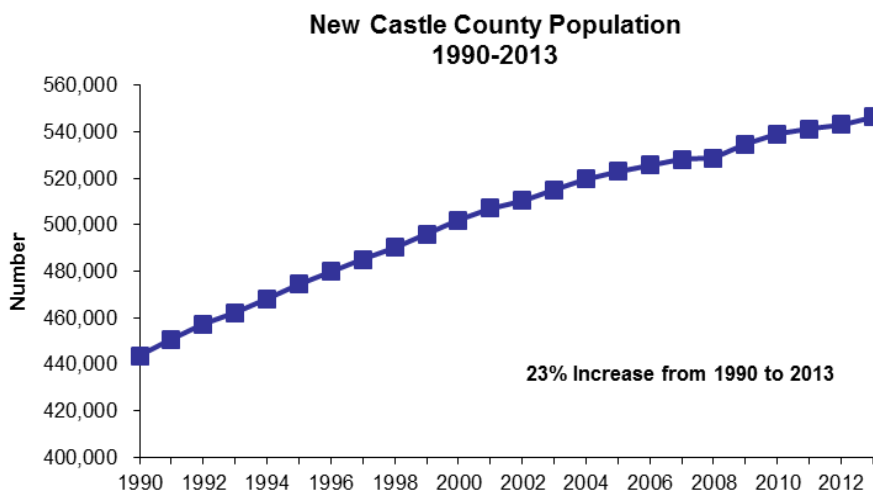
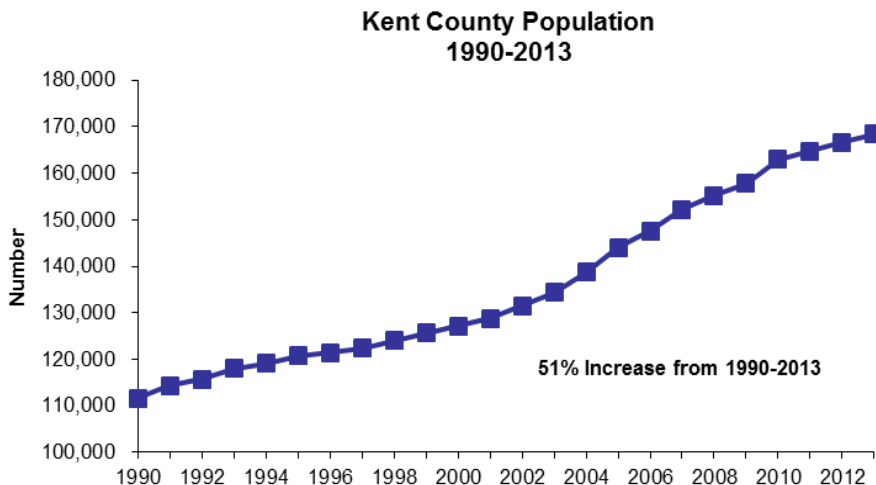
Over half of Delaware's total population resides in New Castle County.

Percent of Population by County  
Delaware, 2013



Source: Delaware Health Statistics Center

Delaware Resident Population by County, 1990-2013

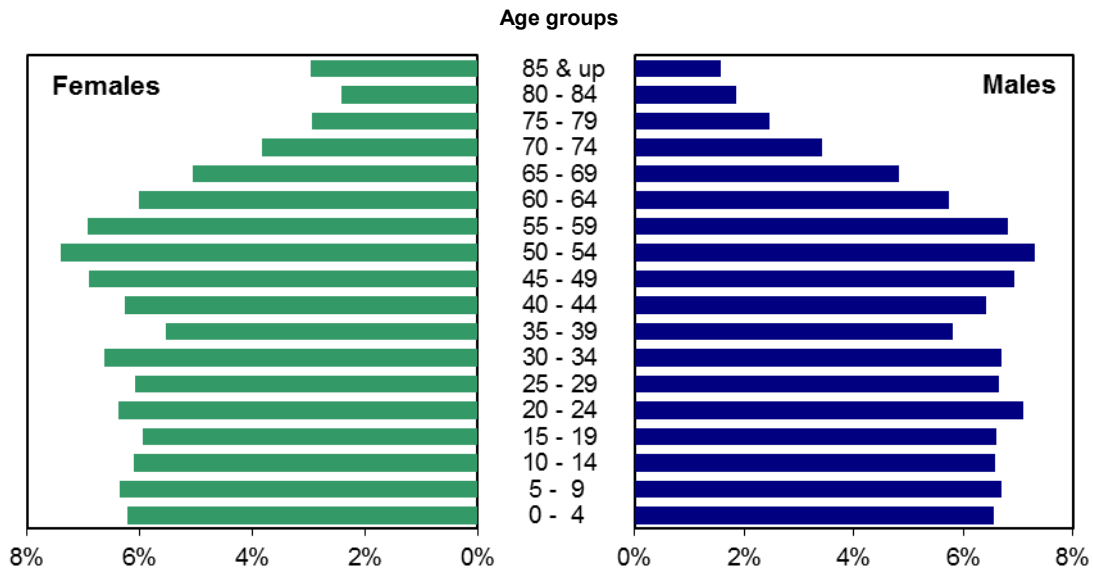


Source: Delaware Health Statistics Center

## POPULATION

In 2013, just over 51 percent of Delaware's population was female. Females made up a greater proportion of the older age groups, which reflects the longer female life expectancy. Delaware females born in 2013 could expect to live an average of 81.5 years, versus males, who could expect to live 76.2 years.

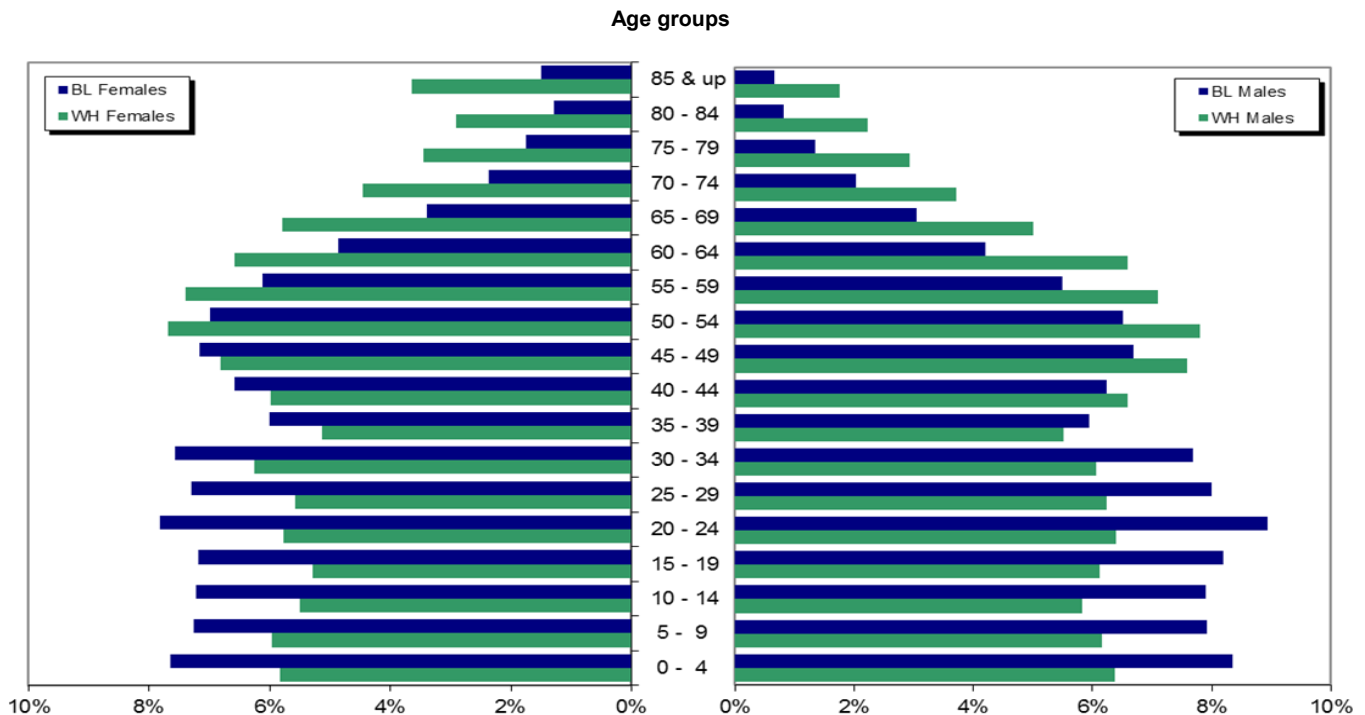
### Population by Age and Sex, Delaware, 2013



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, 2013



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	1990	% Change 1970-1980	1990	% Change 1980-1990	2000	% Change 1990-2000	2010	% Change 2000-2010	2020*	% Change 2010-2020	% Change 2000-2020
<b>Delaware</b>													
Male	548104	594338	666168	8.4	666168	12.1	786393	18.0	899773	14.4	989170	9.9	25.8
Female	267332	286599	322966	7.2	322966	12.7	381690	18.2	437346	14.6	481410	10.1	26.1
	280772	307739	343202	9.6	343202	11.5	404703	17.9	462427	14.3	507760	9.8	25.5
<b>Kent</b>													
Male	81892	98219	110993	19.9	110993	13.0	127230	14.6	162916	28.0	180357	10.7	41.8
Female	41337	48254	54300	16.7	54300	12.5	61325	12.9	78394	27.8	86714	10.6	41.4
	40555	49965	56693	23.2	56693	13.5	65905	16.2	84522	28.2	93643	10.8	42.1
<b>Dover</b>													
Male	17488	23512	27630	34.4	27630	17.5	32135	16.3	36063	12.2	40475	12.2	26.0
Female	8319	11695	13408	40.6	13408	14.6	15114	12.7	16798	11.1	18606	10.8	23.1
	9169	11817	14222	28.9	14222	20.4	17021	19.7	19266	13.2	21869	13.5	28.5
<b>New Castle</b>													
Male	385856	398115	441946	3.2	441946	11.0	501846	13.6	538987	7.4	573239	6.4	14.2
Female	187124	191176	213869	2.2	213869	11.9	243587	13.9	262091	7.6	278844	6.4	14.5
	198732	206939	228077	4.1	228077	10.2	258259	13.2	276896	7.2	294395	6.3	14.0
<b>Newark</b>													
Male	20757	25247	26463	21.6	26463	4.8	28457	7.5	31465	10.6	34790	10.6	22.3
Female	10242	11993	12408	17.1	12408	3.5	13085	5.5	14695	12.3	16251	10.6	24.2
	10515	13254	14055	26.0	14055	6.0	15372	9.4	16770	9.1	18539	10.5	20.6
<b>Wilmington</b>													
Male	80386	70195	71529	-12.7	71529	1.9	72730	1.7	70839	-2.6	69634	-1.7	-4.3
Female	36968	31458	33249	-14.9	33249	5.7	34759	4.5	34568	-0.5	34461	-0.3	-0.9
	43418	38737	38280	-10.8	38280	-1.2	37971	-0.8	36271	-4.5	35173	-3.0	-7.4
<b>Sussex</b>													
Male	80356	98004	113229	22.0	113229	15.5	157317	38.9	197870	25.8	235574	19.1	49.7
Female	38871	47169	54797	21.3	54797	16.2	76778	40.1	96861	26.2	115852	19.6	50.9
	41485	50835	58432	22.5	58432	14.9	80539	37.8	101009	25.4	119722	18.5	48.7

Note:

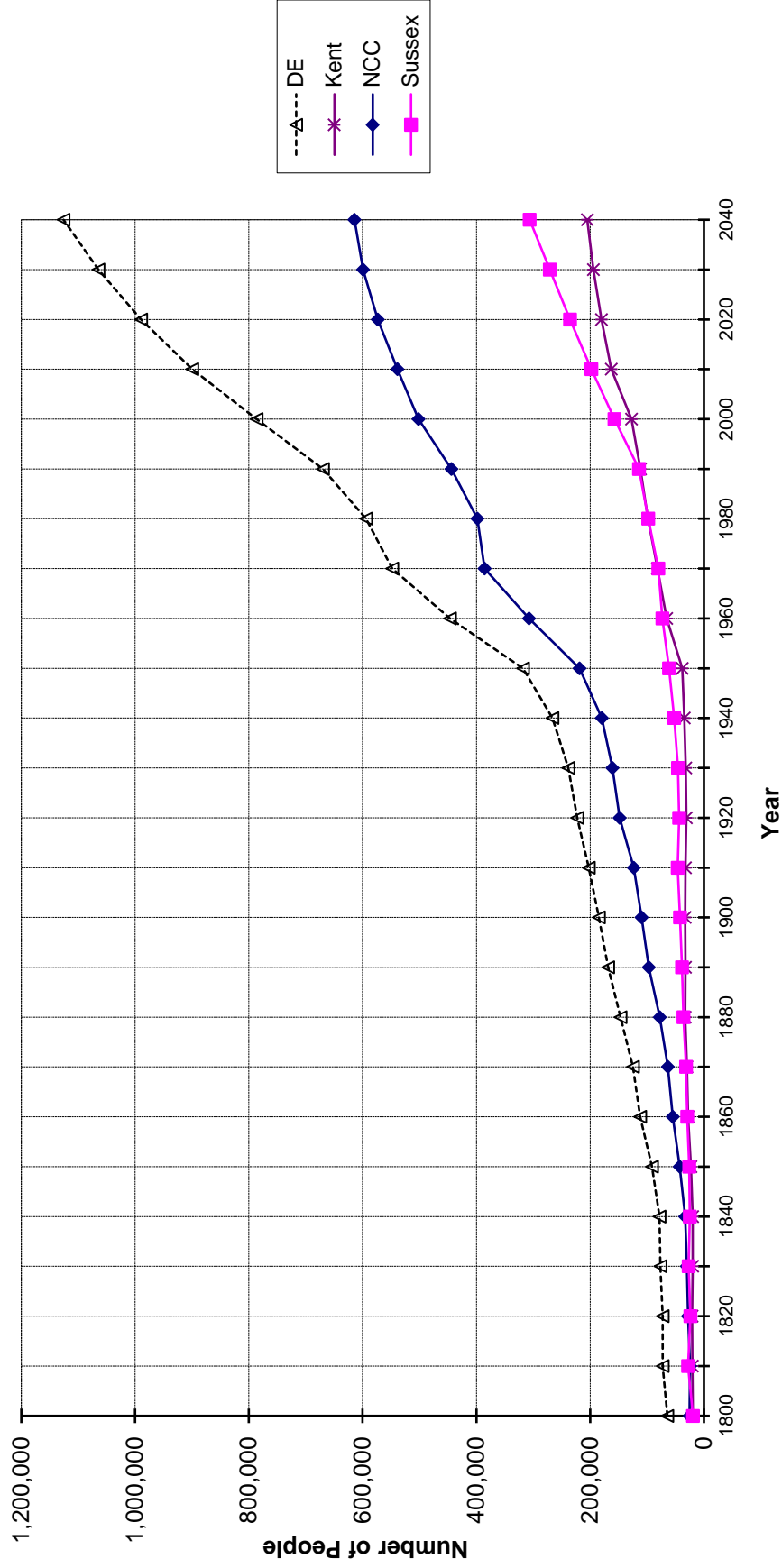
\*Numbers for this year are projections.

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

POPSEX

**Figure A-1  
Population Growth**

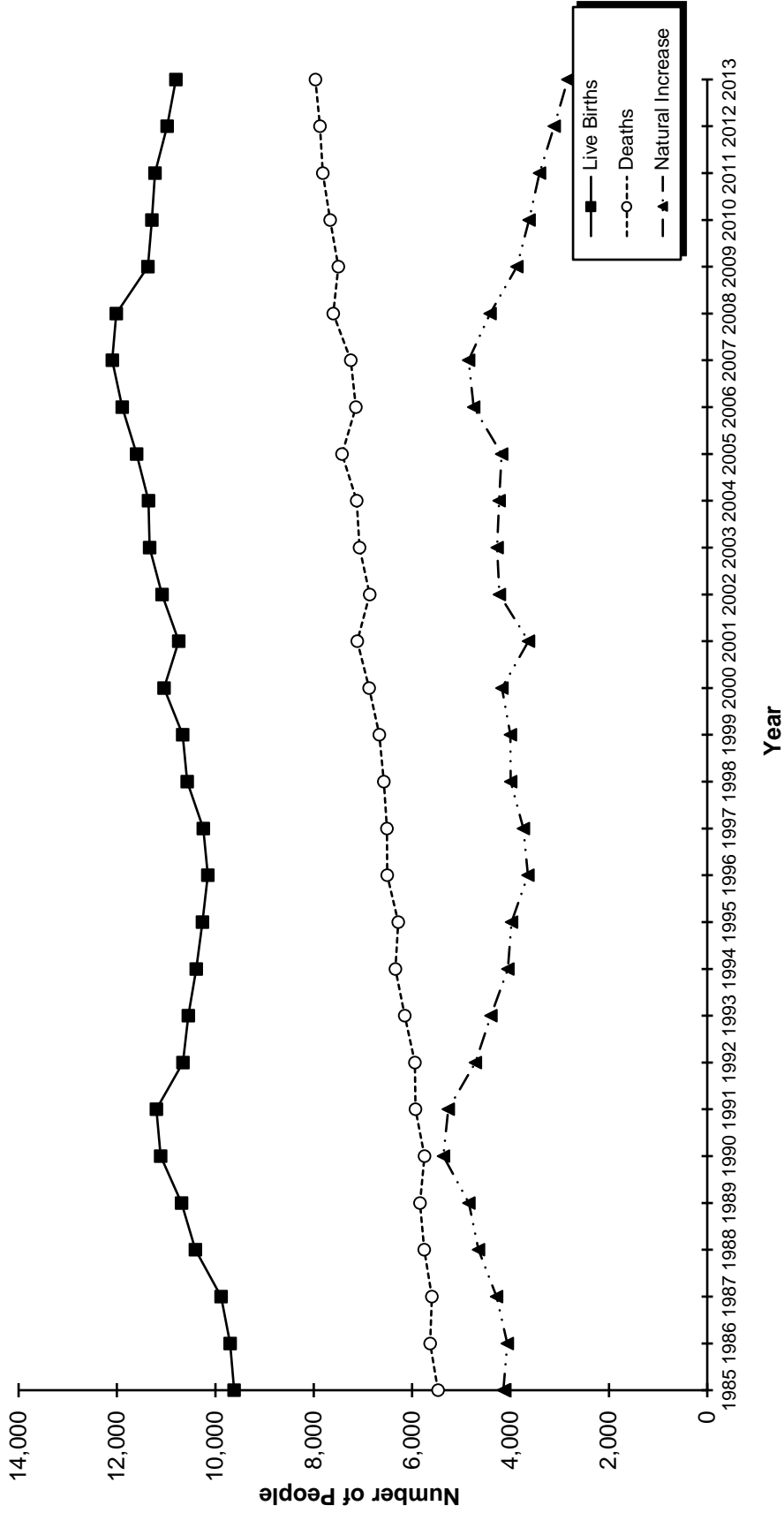
**Delaware and Counties, 1800-2040**



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

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

**Delaware, 1985-2013**



**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, 2013

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>	923736	58999	60206	58494	57833	62098	58725	61567	52388	58532	63923	67873	63473	54326	45712	33554	25018	19828	21187
Male	449200	29455	30075	29546	29627	31808	29871	30073	26116	28786	31157	32770	30616	25797	21689	15406	11015	8329	7064
White	319049	19602	20012	18899	18562	20254	19682	19779	17175	19731	22369	24614	23922	20720	17980	12921	9282	7301	6244
Black	97763	8173	7745	7718	8012	8738	7824	7521	5803	6095	6548	6365	5381	4117	2973	1984	1325	800	641
Female	474536	29544	30131	28948	28206	30290	28854	31494	26272	29746	32766	35103	32857	28529	24023	18148	14003	11499	14123
White	336443	19636	20045	18516	17776	19429	18762	21013	17247	20119	22898	25850	24875	22147	19482	14982	11606	9801	12259
Black	107621	8238	7814	7776	7728	8407	7861	8154	6464	7079	7700	7512	6586	5232	3651	2538	1888	1382	1611
<b>Kent</b>	168391	11552	11375	11410	11402	12210	12030	12082	9770	10354	11600	12454	10936	8618	7307	5282	4206	3084	2719
Male	81022	5768	5676	5711	5811	6253	5985	5906	4690	4909	5560	5958	5139	4001	3439	2366	1784	1247	819
White	56314	3950	3848	3822	3765	4083	4008	3555	3131	3434	4048	4375	3835	2999	2656	1827	1365	980	633
Black	19864	1634	1569	1557	1609	1800	1645	1955	1143	1085	1127	1176	1029	808	612	450	314	206	145
Female	87369	5784	5699	5699	5591	5957	6045	6176	5080	5445	6040	6496	5797	4617	3868	2916	2422	1837	1900
White	59702	3951	3850	3790	3582	3944	4063	3512	3172	3726	4214	4617	4101	3313	2902	2220	1825	1416	1504
Black	22106	1649	1587	1586	1584	1641	1628	2308	1484	1275	1348	1455	1300	1000	739	510	419	282	311
<b>New Castle</b>	546396	34876	36515	35667	35802	38608	35046	39181	33260	37236	39416	40048	36401	30251	24316	16999	12116	9581	11077
Male	265769	17397	18219	17991	18408	19719	17950	18870	16705	18322	19280	19384	17633	14195	11386	7735	5223	3832	3520
White	179036	10688	11562	11053	11046	11993	11263	12447	10637	12045	13171	13922	13088	10765	8879	6091	4141	3224	3021
Black	65144	5399	5100	5143	5332	5813	5047	4610	3993	4285	4591	4337	3681	2802	2027	1298	832	470	384
Female	280627	17479	18296	17676	18899	18889	17096	20311	16555	18914	20136	20664	18768	16056	12930	9264	6893	5749	7557
White	188605	10730	11618	10833	10515	11518	10402	13811	10575	12052	13271	14470	13420	11769	9851	7245	5395	4741	6389
Black	71795	5447	5145	5177	5138	5663	5140	4888	4262	5091	5440	5083	4493	3568	2483	1663	1221	862	1031
<b>Wilmington*</b>	70479	5636	5098	4553	4345	5510	5638	5382	4894	4823	4524	4448	4170	3495	2661	1855	1310	1006	1131
Male	34576	2878	2617	2347	2280	2809	2805	2831	2509	2464	2313	2206	2001	1597	1123	724	482	318	272
White	12300	805	760	636	482	775	1132	1114	1091	1022	805	777	786	670	534	335	226	174	176
Black	19382	1811	1641	1508	1546	1725	1386	1409	1167	1225	1363	1296	1126	834	530	356	235	132	92
Female	35903	2758	2481	2206	2065	2701	2833	2551	2385	2359	2211	2242	2169	1898	1538	1131	828	688	859
White	12025	758	688	526	406	672	994	860	961	825	613	675	764	767	708	526	366	372	544
Black	21233	1750	1588	1506	1475	1742	1555	1444	1225	1366	1445	1445	1300	1045	755	564	425	302	301
<b>Sussex</b>	208949	12571	12316	11417	10629	11280	11649	10304	9358	10942	12907	15371	16136	15457	14089	11273	8696	7163	7391
Male	102409	6290	6180	5844	5408	5836	5936	5297	4721	5555	6317	7428	7844	7601	6864	5305	4008	3250	2725
White	83699	4964	4602	4024	3751	4178	4411	3777	3407	4252	5150	6317	6999	6956	6445	5003	3776	3097	2590
Black	12755	1140	1076	1018	1071	1125	1132	956	667	725	830	852	671	507	334	236	179	124	112
Female	106540	6281	6136	5573	5221	5444	5713	5007	4637	5387	6590	7943	8292	7856	7225	5968	4688	3913	4666
White	88136	4955	4577	3893	3679	3967	4297	3690	3500	4341	5413	6763	7354	7065	6729	5517	4386	3644	4386
Black	13720	1142	1082	1013	1006	1103	1093	958	718	713	912	974	793	664	429	365	248	238	269

POPSRA

Sources:  
Delaware Health Statistics Center  
Delaware Population Consortium

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

# Marriage & Divorce



**Intentionally left blank**

## MARRIAGE AND DIVORCE

There were 6,084 marriages and 3,133 divorces in Delaware in 2013. Over half of all divorces in 2013 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: October (see Table B-9).

### Divorce

#### Male

Youngest: 19  
Oldest: 87

#### Female

Youngest: 19  
Oldest: 85

Shortest duration of marriage: 130 days.

Longest duration of marriage: 58 years.

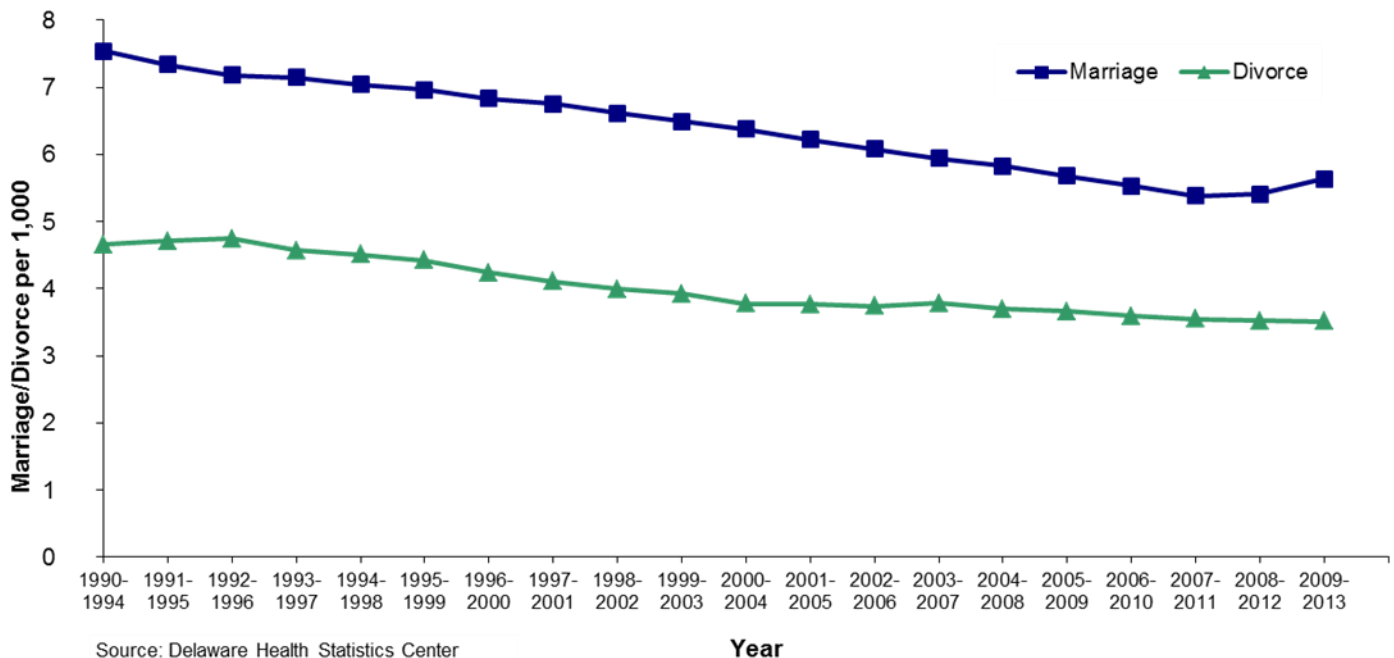
Median duration of marriage: 9 years.

Total children under 18 years of age: 1,399

Between 1990-1994 and 2008-2013 the five-year average marriage rate decreased from 7.5 to 5.6 marriages per 1,000 population.

Divorce rates remained fairly stable between 1990-1994 and 1992-1996. Between 1992-1996 and 2009-2013, divorce rates declined 26 percent, with most of the decrease occurring in the 1992-1996 to 2000-2004 time period.

**Five-year Average Marriage and Divorce Rates per 1,000 Population  
Delaware, 1990-2013**



**Intentionally left blank**

TABLE B-1  
NUMBER OF MARRIAGES BY PLACE OF CEREMONY  
U.S., DELAWARE AND COUNTIES, 1993-2013

Year	U.S.	Delaware	Kent	New Castle	Sussex
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
2013	2081301	6084	972	3005	2107

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, 1993-2013

Years	U.S.	Delaware	Kent	New Castle	Sussex
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
2009-2013	6.7	5.6	5.7	4.8	7.8

**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, 2013

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	4291	92.5	104	10.5	6	20.7	85	47.8	81	33.5
Black	215	4.6	873	87.8	0	0.0	8	4.5	24	9.9
American Indian	7	0.2	3	0.3	23	79.3	0	0.0	0	0.0
Asian/Pacific Islander	32	0.7	3	0.3	0	0.0	80	44.9	1	0.4
Other/Unknown	96	2.1	11	1.1	0	0.0	5	2.8	136	56.2

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, 2013

Previous Marital Status	Race					
	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>						
Single	4237	69.6	3186	69.8	722	64.5
Widowed	77	1.3	54	1.2	21	1.9
Divorced	1770	29.1	1327	29.1	377	33.6
<b>Bride</b>						
Single	4316	70.9	3282	70.7	666	67.0
Widowed	77	1.3	53	1.1	23	2.3
Divorced	1691	27.8	1306	28.1	305	30.7

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, 2013

Marriage Order	Type of Ceremony	Race					
		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>							
First Marriage	Civil	2696	63.6	2133	67.0	424	58.6
	Religious	1541	36.4	1054	33.0	299	41.4
Remarriage	Civil	1123	60.8	864	62.6	236	59.3
	Religious	724	39.2	517	37.4	162	40.7
<b>Bride</b>							
First Marriage	Civil	2764	64.0	2207	67.2	390	58.6
	Religious	1552	36.0	1077	32.8	276	41.4
Remarriage	Civil	1055	59.7	839	61.7	188	57.3
	Religious	713	40.3	520	38.3	140	42.7

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, 2013

Marriage Order	Race					
	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Groom</b>						
First Marriage	31	35	31	36	31	34
Remarriage	48	48	48	49	47	47
<b>Bride</b>						
First Marriage	29	33	29	34	30	33
Remarriage	44	45	45	46	43	44

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, 2013

Marriage Order	Age	Race					
		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent
<b>Groom</b>							
All Marriages	<20	41	0.7	24	0.5	12	1.1
	20-29	1894	31.1	1398	30.6	312	27.8
	30-39	1676	27.5	1221	26.7	328	29.3
	40-49	985	16.2	690	15.1	252	22.5
	50-64	1162	19.1	946	20.7	183	16.3
	65+	326	5.4	288	6.3	33	2.9
	Unk	0	0.0	0	0.0	0	0.0
First Marriage	<20	41	1.0	24	0.8	12	1.7
	20-29	1812	42.8	1337	42.0	296	41.0
	30-39	1268	29.9	921	28.9	248	34.3
	40-49	454	10.7	319	10.0	102	14.1
	50-64	529	12.5	462	14.5	54	7.5
	65+	133	3.1	123	3.9	10	1.4
	Unk	0	0.0	0	0.0	0	0.0
Remarriage	<20	0	0.0	0	0.0	0	0.0
	20-29	82	4.4	61	4.4	16	4.0
	30-39	408	22.1	300	21.7	80	20.1
	40-49	531	28.7	371	26.9	150	37.7
	50-64	633	34.3	484	35.0	129	32.4
	65+	193	10.4	165	11.9	23	5.8
	Unk	0	0.0	0	0.0	0	0.0
<b>Bride</b>							
All Marriages	<20	107	1.8	80	1.7	10	1.0
	20-29	2322	38.2	1796	38.7	331	33.3
	30-39	1514	24.9	1052	22.7	298	30.0
	40-49	948	15.6	670	14.4	226	22.7
	50-64	959	15.8	824	17.8	115	11.6
	65+	234	3.8	219	4.7	14	1.4
	Unk	0	0.0	0	0.0	0	0.0
First Marriage	<20	107	2.5	80	2.4	10	1.5
	20-29	2152	49.9	1662	50.6	309	46.4
	30-39	1032	23.9	698	21.3	209	31.4
	40-49	443	10.3	314	9.6	93	14.0
	50-64	477	11.1	428	13.0	41	6.2
	65+	105	2.4	100	3.0	4	0.6
	Unk	0	0.0	0	0.0	0	0.0
Remarriage	<20	0	0.0	0	0.0	0	0.0
	20-29	170	9.6	134	9.9	22	6.7
	30-39	482	27.3	354	26.0	89	27.1
	40-49	505	28.6	356	26.2	133	40.5
	50-64	482	27.3	396	29.1	74	22.6
	65+	129	7.3	119	8.8	10	3.0
	Unk	0	0.0	0	0.0	0	0.0

AGEBYRCORDR

**Notes:**

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE, 2013

Marriage Order of Groom	Age of Groom \ Age of Bride	Marriage Order of Bride												ORDRBYAGE				
		First Marriage						Remarriage										
		<20	20-29	30-39	40-49	50-64	65+	Unk	<20	20-29	30-39	40-49	50-64		65+	Unk		
First Marriage	<20	25	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20-29	75	1444	135	6	0	0	0	0	0	0	0	0	1	0	0	0	0
	30-39	2	475	498	47	5	1	0	0	0	0	0	0	9	0	0	0	0
	40-49	0	23	122	134	43	3	0	0	0	0	0	0	23	3	0	0	0
	50-64	0	6	14	95	246	29	0	0	0	0	0	0	76	23	0	0	0
	65+	0	1	2	5	45	52	0	0	0	0	0	0	8	18	0	0	0
Unk	0	0	0	0	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	0	0	0
	20-29	3	42	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
	30-39	2	116	127	14	1	0	0	0	0	0	0	0	0	1	0	0	0
	40-49	0	21	97	66	19	0	0	0	0	0	0	0	38	0	0	0	0
	50-64	0	8	32	66	83	9	0	0	0	0	0	0	264	19	0	0	0
	65+	0	0	2	7	35	11	0	0	0	0	0	0	63	65	0	0	0
Unk	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Source:  
 Delaware Health Statistics Center



TABLE B-9  
NUMBER AND PERCENT OF MARRIAGES BY MONTH OF CEREMONY  
DELAWARE, 2013

Month	Number	Percent
January	197	3.2
February	249	4.1
March	315	5.2
April	357	5.9
May	519	8.5
June	618	10.2
July	614	10.1
August	688	11.3
September	799	13.1
October	833	13.7
November	487	8.0
December	408	6.7
Total	6084	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, 2013

Day	Number	Percent
Sunday	468	7.7
Monday	223	3.7
Tuesday	353	5.8
Wednesday	1056	17.4
Thursday	506	8.3
Friday	792	13.0
Saturday	2686	44.1
Total	6084	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, 1993-2013

Year	Delaware	Kent	New Castle	Sussex
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
2013	3133	729	1607	797

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

FYADIV1

**Source:**  
Delaware Health Statistics Center

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

DELAWARE AND COUNTIES, 1993-2013

Years	Delaware	Kent	New Castle	Sussex
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
2009-2013	3.5	4.3	3.2	3.6

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

FYADIV2

**Source:**  
Delaware Health Statistics Center

TABLE B-13  
NUMBER OF DIVORCES/ANNULMENTS\* BY RACE OF WIFE AND RACE OF HUSBAND  
DELAWARE, 2013

Race of Husband	Race of Wife								
	White	Black	American Indian	Chinese	Hawaiian	Filipino	Other Asian	Other Race	Not Classifiable
White	2133	35	6	2	0	5	7	8	2
Black	114	696	5	1	0	0	3	6	3
American Indian	7	0	1	0	0	0	0	0	0
Chinese	3	0	0	6	0	0	0	0	0
Hawaiian	3	0	0	0	0	0	1	0	0
Filipino	5	0	0	0	0	4	0	0	0
Other Asian	11	0	0	3	0	1	22	0	0
Other Race	13	4	0	1	0	1	0	2	0
Not Classifiable	0	3	0	0	0	0	1	0	15

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, 2013

Number of Marriage	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	42	43	42	43	43	43
First Marriage	39	39	39	40	39	40
Second Marriage	48	49	48	49	48	48
Third Marriage+	54	55	53	54	51	52
Not Stated	43	45	47	46	46	47
<b>Wife</b>						
All Marriages	40	41	40	40	42	42
First Marriage	36	37	36	37	37	38
Second Marriage	46	47	45	46	45	45
Third Marriage+	50	51	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, 2013

Marriage Order	Age	Husband's Race				Wife's Race							
		All Races		White		Black		All Races		White		Black	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All Marriages	<20	1	0.0	0	0.0	1	0.1	2	0.1	1	0.0	1	0.1
	20-29	389	12.4	288	13.1	89	10.7	538	17.2	429	18.7	96	13.0
	30-39	877	28.0	630	28.7	206	24.9	950	30.3	691	30.2	210	28.5
	40-49	971	31.0	651	29.6	287	34.7	945	30.2	661	28.9	254	34.4
	50-64	736	23.5	522	23.7	199	24.0	595	19.0	431	18.8	151	20.5
	65+	128	4.1	97	4.4	28	3.4	68	2.2	58	2.5	10	1.4
	Unk	31	1.0	10	0.5	18	2.2	35	1.1	18	0.8	16	2.2
	<20	1	0.0	0	0.0	1	0.2	2	0.1	1	0.1	1	0.2
	20-29	364	17.7	272	18.7	80	15.0	491	24.2	396	26.7	84	17.6
	30-39	711	34.6	517	35.6	163	30.6	732	36.0	532	35.9	158	33.2
40-49	606	29.5	401	27.6	184	34.5	541	26.6	361	24.3	163	34.2	
50-64	333	16.2	239	16.5	89	16.7	239	11.8	175	11.8	60	12.6	
65+	23	1.1	16	1.1	7	1.3	12	0.6	10	0.7	2	0.4	
Unk	19	0.9	7	0.5	9	1.7	16	0.8	8	0.5	8	1.7	
<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	17	2.3	13	2.5	4	2.1	25	3.5	19	3.5	5	3.2	
30-39	125	16.9	86	16.3	31	16.1	145	20.3	112	20.9	27	17.3	
40-49	264	35.6	188	35.7	67	34.9	277	38.7	210	39.1	58	37.2	
50-64	267	36.0	185	35.2	76	39.6	220	30.8	157	29.2	57	36.5	
65+	61	8.2	52	9.9	9	4.7	37	5.2	31	5.8	6	3.8	
Unk	7	0.9	2	0.4	5	2.6	11	1.5	8	1.5	3	1.9	
<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
30-39	9	4.1	5	3.2	4	6.8	22	10.2	18	10.6	4	9.3	
40-49	66	30.4	46	29.9	19	32.2	80	37.0	61	35.9	16	37.2	
50-64	104	47.9	77	50.0	25	42.4	96	44.4	75	44.1	21	48.8	
65+	37	17.1	26	16.9	10	16.9	16	7.4	14	8.2	2	4.7	
Unk	1	0.5	0	0.0	1	1.7	2	0.9	2	1.2	0	0.0	
<20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	
20-29	8	6.8	3	4.5	5	11.4	22	13.0	14	14.1	7	11.1	
30-39	32	27.1	22	33.3	8	18.2	51	30.2	29	29.3	21	33.3	
40-49	35	29.7	16	24.2	17	38.6	47	27.8	29	29.3	17	27.0	
50-64	32	27.1	21	31.8	9	20.5	40	23.7	24	24.2	13	20.6	
65+	7	5.9	3	4.5	2	4.5	3	1.8	3	3.0	0	0.0	
Unk	4	3.4	1	1.5	3	6.8	6	3.6	0	0.0	5	7.9	

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.

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, 2013

Number of Marriage	All Races		White		Black	
	Median	Mean	Median	Mean	Median	Mean
<b>Husband</b>						
All Marriages	9.1	11.4	9.8	12.0	8.2	10.1
First Marriage	9.7	11.9	10.1	12.5	9.0	10.8
Second Marriage	8.7	10.7	9.1	11.3	7.5	9.2
Third Marriage+	7.3	9.6	8.6	10.5	5.9	7.2
Not Stated	8.0	9.9	10.0	10.4	6.4	8.8
<b>Wife</b>						
All Marriages	9.1	11.4	9.7	11.8	8.3	10.3
First Marriage	9.6	11.9	9.9	12.2	9.2	11.3
Second Marriage	9.1	11.0	10.0	11.7	6.9	8.4
Third Marriage+	6.9	8.6	7.1	8.9	6.0	7.5
Not Stated	8.2	10.4	9.5	11.1	7.1	9.0

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, 2013

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	51	1.6	32	1.5	17	2.1	51	1.6	31	1.4	18	2.4
	1-4	770	24.6	514	23.4	222	26.8	770	24.6	556	24.3	186	25.2
	5-9	836	26.7	561	25.5	241	29.1	836	26.7	577	25.2	220	29.8
	10-14	577	18.4	409	18.6	152	18.4	577	18.4	430	18.8	131	17.8
	15-19	366	11.7	272	12.4	85	10.3	366	11.7	282	12.3	74	10.0
	20-24	232	7.4	173	7.9	53	6.4	232	7.4	176	7.7	50	6.8
	25-29	136	4.3	115	5.2	20	2.4	136	4.3	115	5.0	20	2.7
	30+	123	3.9	102	4.6	18	2.2	123	3.9	103	4.5	17	2.3
	Not Stated	42	1.3	20	0.9	20	2.4	42	1.3	19	0.8	22	3.0
First Marriage	<1	14	0.7	9	0.6	5	0.9	20	1.0	10	0.7	9	1.9
	1-4	503	24.5	346	23.8	135	25.3	491	24.2	366	24.7	107	22.5
	5-9	527	25.6	356	24.5	147	27.6	535	26.3	367	24.7	136	28.6
	10-14	373	18.1	252	17.4	108	20.3	358	17.6	261	17.6	87	18.3
	15-19	257	12.5	190	13.1	60	11.3	242	11.9	182	12.3	53	11.1
	20-24	168	8.2	128	8.8	38	7.1	171	8.4	131	8.8	38	8.0
	25-29	94	4.6	80	5.5	13	2.4	105	5.2	86	5.8	18	3.8
	30+	96	4.7	77	5.3	17	3.2	89	4.4	71	4.8	16	3.4
	Not Stated	25	1.2	14	1.0	10	1.9	22	1.1	9	0.6	12	2.5
Second Marriage	<1	15	2.0	9	1.7	5	2.6	20	2.8	13	2.4	6	3.8
	1-4	184	24.8	118	22.4	56	29.2	173	24.2	120	22.3	46	29.5
	5-9	217	29.3	153	29.1	58	30.2	187	26.2	132	24.6	50	32.1
	10-14	139	18.8	105	20.0	34	17.7	137	19.2	107	19.9	28	17.9
	15-19	79	10.7	59	11.2	18	9.4	98	13.7	81	15.1	14	9.0
	20-24	47	6.3	33	6.3	10	5.2	41	5.7	31	5.8	6	3.8
	25-29	32	4.3	27	5.1	5	2.6	24	3.4	22	4.1	2	1.3
	30+	21	2.8	20	3.8	1	0.5	26	3.6	26	4.8	0	0.0
	Not Stated	7	0.9	2	0.4	5	2.6	9	1.3	5	0.9	4	2.6
Third Marriage and more	<1	13	6.0	9	5.8	4	6.8	7	3.2	6	3.5	1	2.3
	1-4	58	26.7	38	24.7	19	32.2	66	30.6	48	28.2	16	37.2
	5-9	61	28.1	37	24.0	23	39.0	65	30.1	53	31.2	12	27.9
	10-14	38	17.5	30	19.5	7	11.9	43	19.9	35	20.6	7	16.3
	15-19	22	10.1	19	12.3	3	5.1	13	6.0	11	6.5	2	4.7
	20-24	9	4.1	8	5.2	1	1.7	11	5.1	9	5.3	2	4.7
	25-29	9	4.1	8	5.2	1	1.7	5	2.3	5	2.9	0	0.0
	30+	3	1.4	3	1.9	0	0.0	1	0.5	1	0.6	0	0.0
	Not Stated	4	1.8	2	1.3	1	1.7	5	2.3	2	1.2	3	7.0
Not Stated	<1	9	7.6	5	7.6	3	6.8	4	1.9	2	2.0	2	3.2
	1-4	25	21.2	12	18.2	12	27.3	40	18.5	22	22.2	17	27.0
	5-9	31	26.3	15	22.7	13	29.5	49	22.7	25	25.3	22	34.9
	10-14	27	22.9	22	33.3	3	6.8	39	18.1	27	27.3	9	14.3
	15-19	8	6.8	4	6.1	4	9.1	13	6.0	8	8.1	5	7.9
	20-24	8	6.8	4	6.1	4	9.1	9	4.2	5	5.1	4	6.3
	25-29	1	0.8	0	0.0	1	2.3	2	0.9	2	2.0	0	0.0
	30+	3	2.5	2	3.0	0	0.0	7	3.2	5	5.1	1	1.6
	Not Stated	6	5.1	2	3.0	4	9.1	6	2.8	3	3.0	3	4.8

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, 2013

Number of Children Under 18	Race							
	All Races		White		Black		Other/Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Husband</b>	3133	100.0	2198	100.0	828	100.0	107	100.0
None	1734	55.3	1163	52.9	514	62.1	57	53.3
1	607	19.4	446	20.3	138	16.7	23	21.5
2	567	18.1	436	19.8	112	13.5	19	17.8
3	161	5.1	114	5.2	40	4.8	7	6.5
4	54	1.7	33	1.5	20	2.4	1	0.9
5+	10	0.3	6	0.3	4	0.5	0	0.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
<b>Wife</b>	3133	100.0	2289	100.0	738	100.0	106	100.0
None	1734	55.3	1205	52.6	474	64.2	55	51.9
1	607	19.4	467	20.4	116	15.7	24	22.6
2	567	18.1	454	19.8	95	12.9	18	17.0
3	161	5.1	122	5.3	32	4.3	7	6.6
4	54	1.7	34	1.5	18	2.4	2	1.9
5+	10	0.3	7	0.3	3	0.4	0	0.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0

CHILD

**Notes:**

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

**Source:**

Delaware Health Statistics Center

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

# Live Births

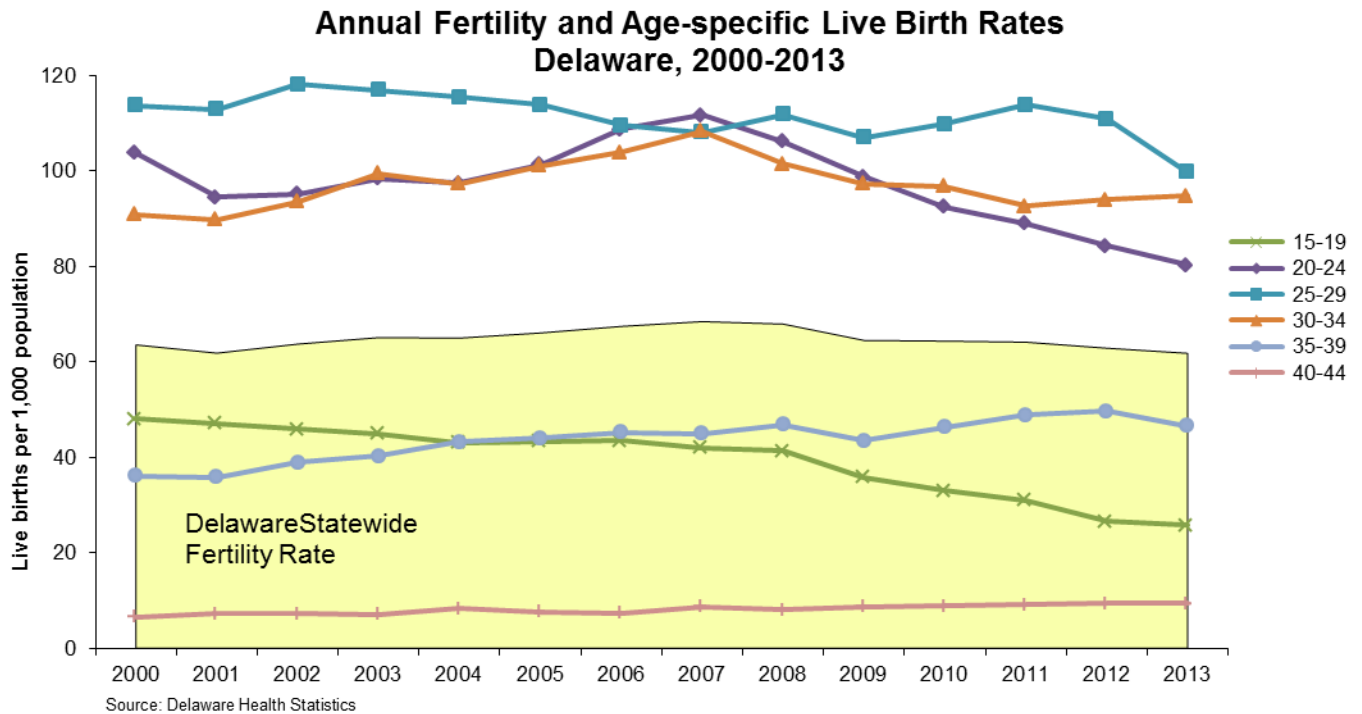


**Intentionally left blank**

## LIVE BIRTHS

In 2013, there were 11,202 births in Delaware; 10,271 were to Delaware residents and 931 were to non-residents. Additionally, 531 births to Delaware residents occurred out of state, for a total of 10,802 Delaware resident births, 180 fewer Delaware residents births than in 2012.

The recent national declines in general fertility and live birth rates were also apparent in Delaware statistics. From 2009 to 2013, the general fertility rate (number of births per 1,000 women aged 15-44 years) declined from a high of 64.5 to 61.8 births per 1,000 women ages 15-44. The birth rate of teens (15-19) exhibited the largest decline, followed by rates for women ages 20-24; with decreases of 28.3 and 18.7 percent, respectively. Birth rates for women ages 30-34 years also decreased but only by 2.6 percent. Birth rates of women ages 35-39 and 40-44 both increased, with the latter having the larger increase (8.4 percent) of the two.



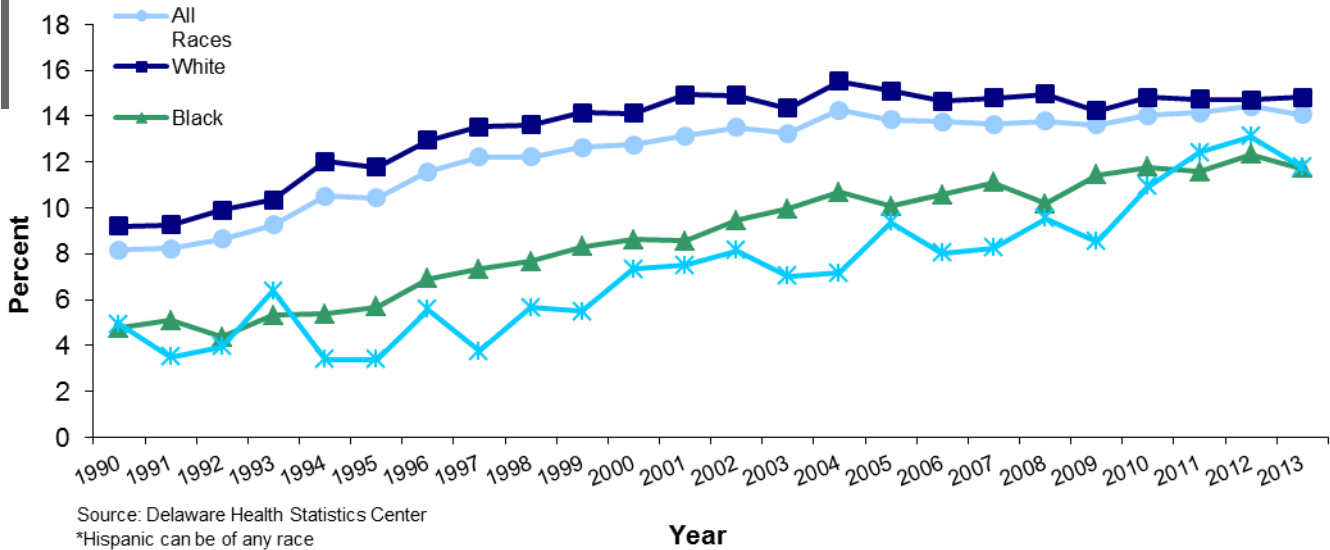
The 2009 to 2013 decline seen in teens aged 15-19 was apparent in both the 15-17 and 18-19 age groups, whose birth rates had percentage decreases of 32 and 26.6 percent, respectively. Birth rates for teens in both age groups were overwhelmingly the highest in Sussex County and distantly followed by Kent 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

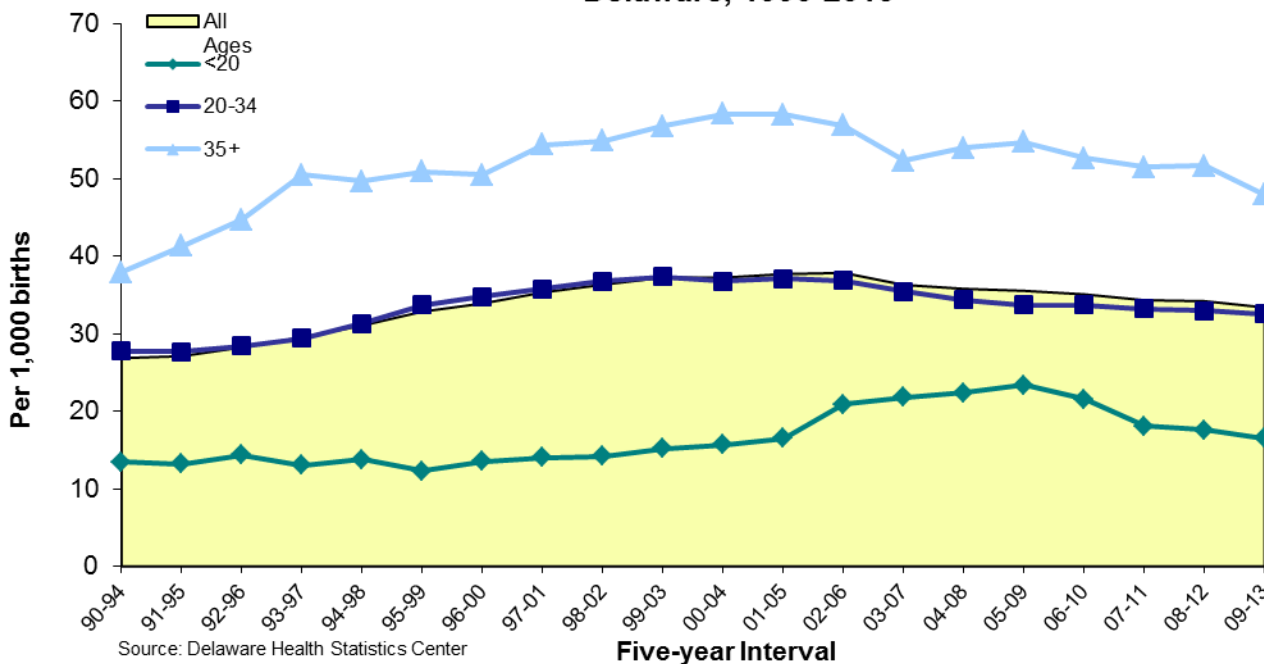
Between 1990 and 2004, the percentage of births to women 35 and older exhibited a clear upward trend that continues to rise. In 2013, 14.1 percent of all births were to women 35 and older, versus 8.2 percent of all births in 1990.

**Annual Percent of Live Births to Women 35 or Older by Race and Hispanic Origin,\* Delaware, 1990-2013**



For mothers of all ages, the rate of plural births increased 24 percent between 1990-1994 and 2009-2013. In 2009-2013, older mothers (35+) had the highest plural birth rates, at 47 multiples per 1,000 births, almost three times that of mothers under 20, and 47 percent higher than mothers 20-34.

**Five-year Average Plural Birth Rate by Age of Mother Delaware, 1990-2013**

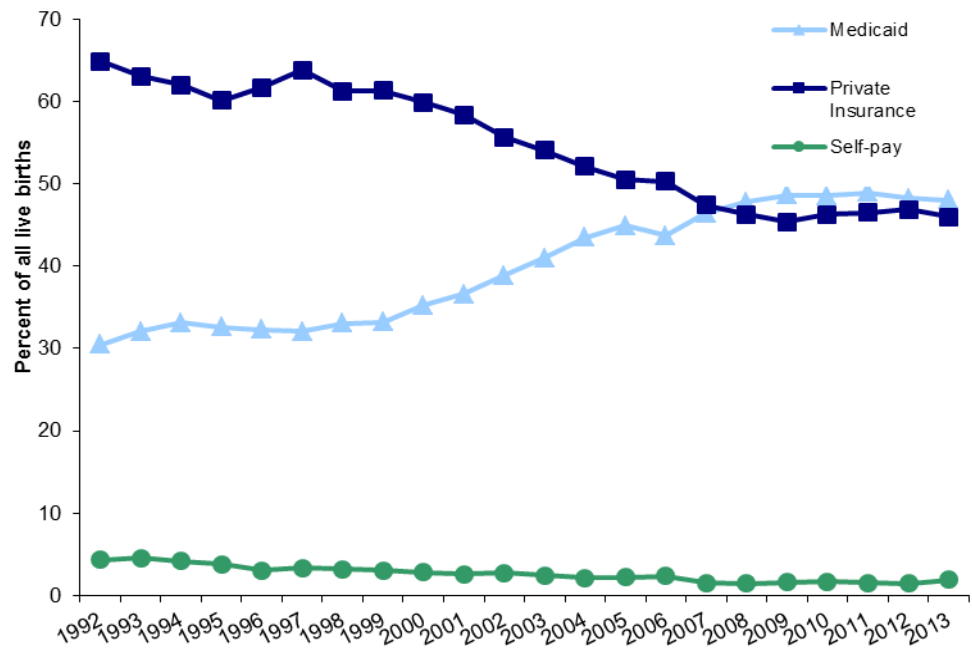


## LIVE BIRTHS

In 2013, 95 percent of live births had either private insurance or Medicaid listed as the primary source of payment; the remaining 5 percent were split between other government coverage and self-pay.

- Since 2008, Medicaid paid for more births than private insurance.
- Medicaid was still the primary source of payment for the majority of birth mothers under 20, covering 78 percent of both black and white mothers, and 82 percent of mothers of other races.

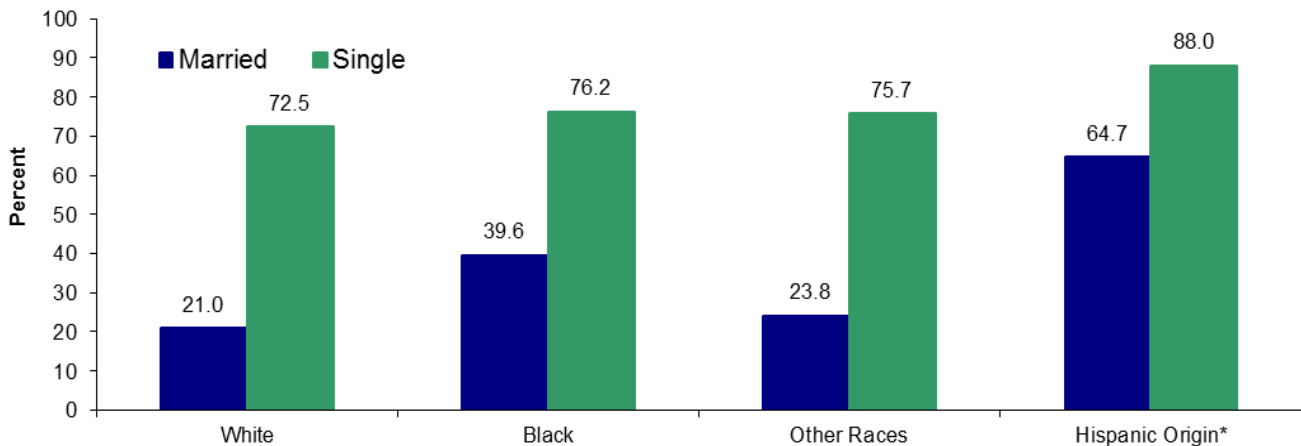
### Percent of Births by Source of Payment for Delivery Delaware, 1992-2013



Marital status in 2013 had a tremendous effect on the use of Medicaid as the primary source of payment for delivery:

- Twenty-one percent of white married women used Medicaid as their primary source of payment, but that number more than tripled, to 72.5 percent, for single white women.
- Medicaid was the primary source of payment for 39.6 percent of married black women, but that number almost doubled, to 76.2 percent, for single black women.
- Married women of other races (23.8 percent) used Medicaid as their primary source of payment, but that number was more than three times higher, at 75.7 percent, if the mother was single.
- Hispanic married women (64.7 percent) used Medicaid as their primary source of payment; that number increased to 88 percent for single Hispanic women.

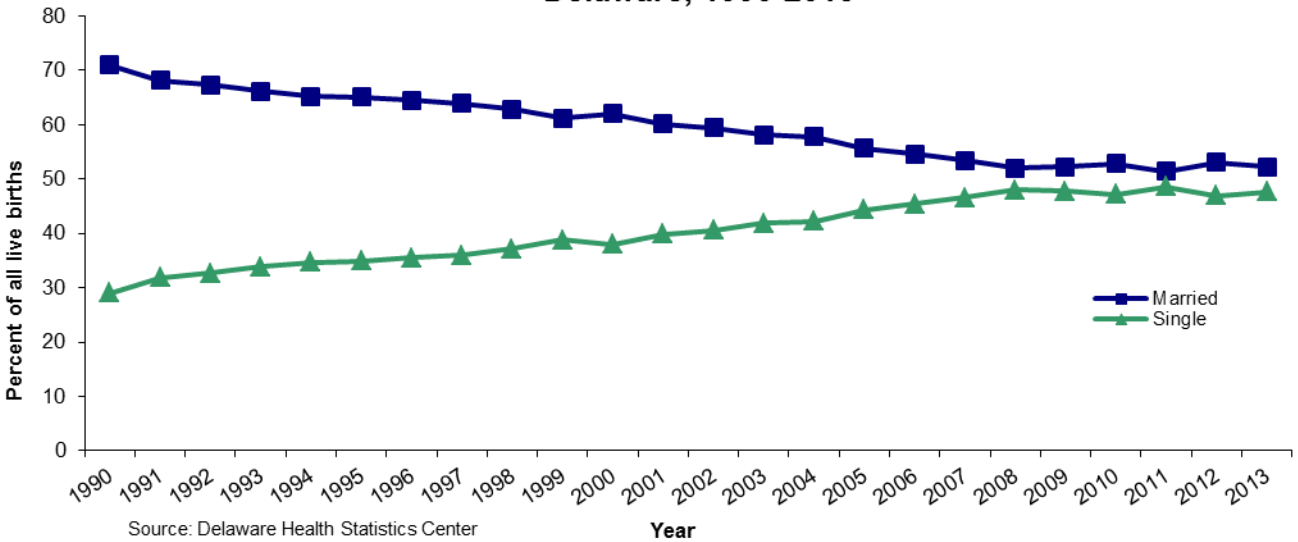
### Percent of Births by Race, Hispanic Origin, Marital Status, and Medicaid As Primary Source of Payment, Delaware, 2013



## LIVE BIRTHS

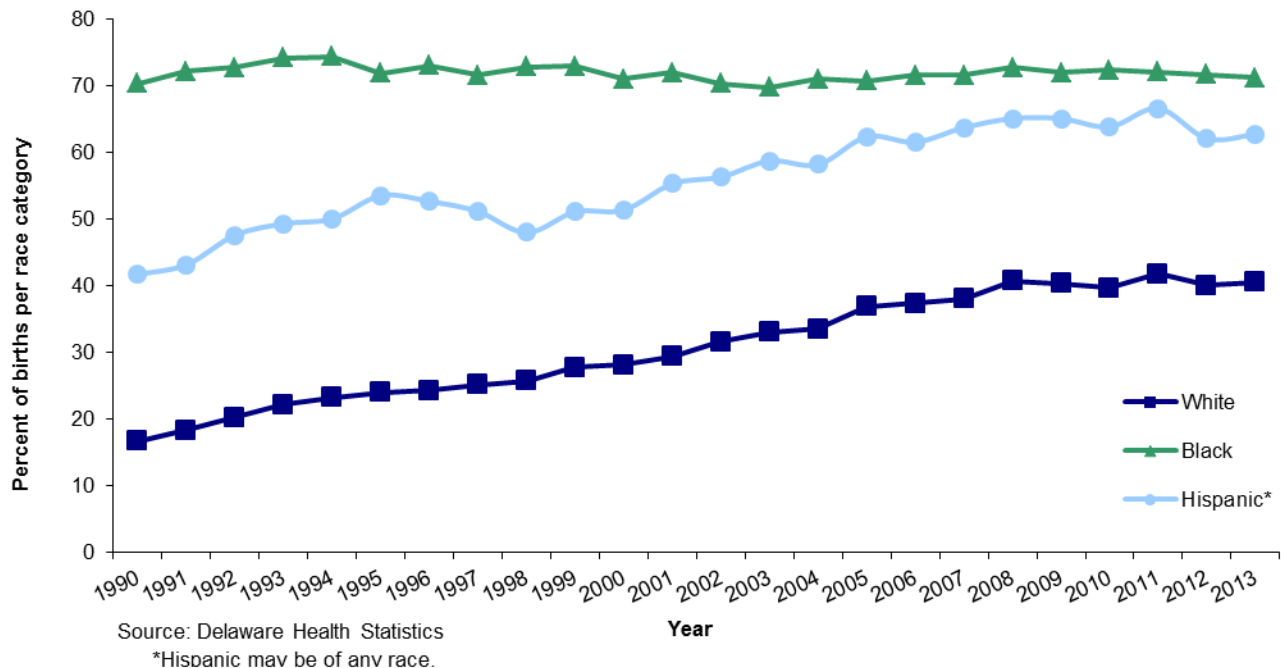
After increasing steadily from 1991 to 2008, the percent of births to unmarried women stabilized. In 2013, this number still appears somewhat stable but there was a 1.5 percent increase since the previous year. For married mothers, there was little change between 2008 to 2012 in the percent of births; 1.3 percent decrease occurred since the previous year. In 2013, 47.7 percent of all births were to unmarried women.

**Annual Percent of Births by Mother's Marital Status  
Delaware, 1990-2013**



This shift in the distribution of mothers marital status was only apparent in births to white and Hispanic women. Between 1990 and 2013, 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 63 percent. During the same period, the percent of births to unmarried black women remained stable at approximately 71 percent.

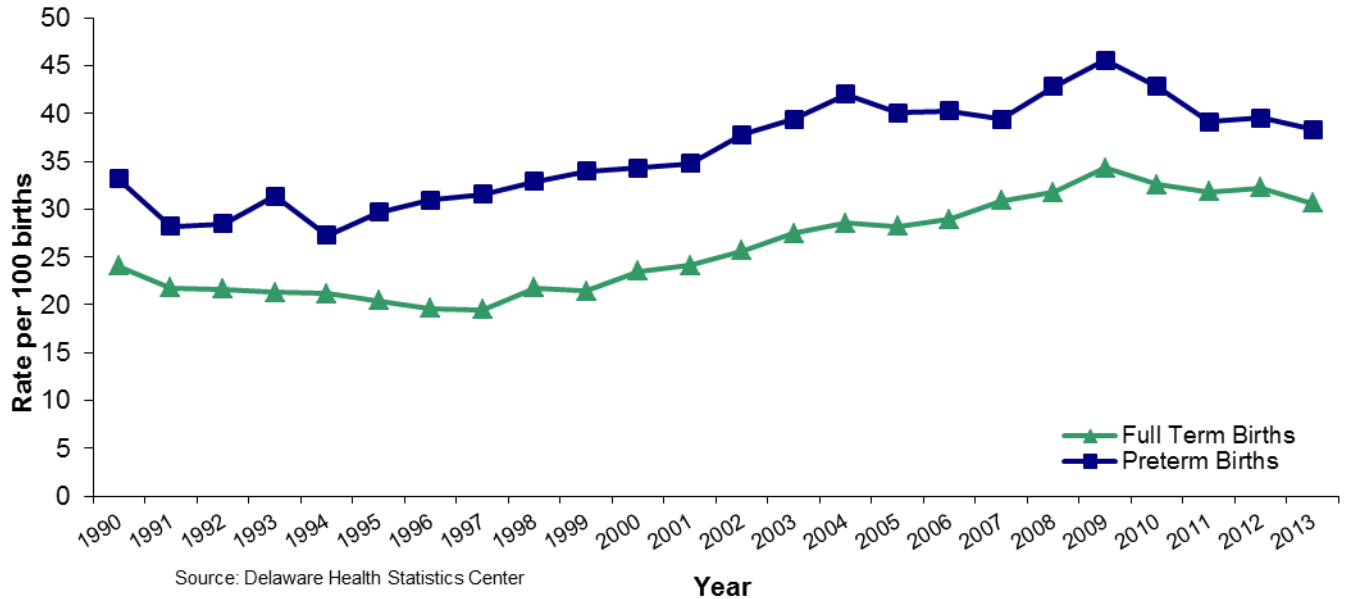
**Percent of Live Births to Unmarried Women by Race and Ethnicity  
Delaware, 1990-2013**



## LIVE BIRTHS

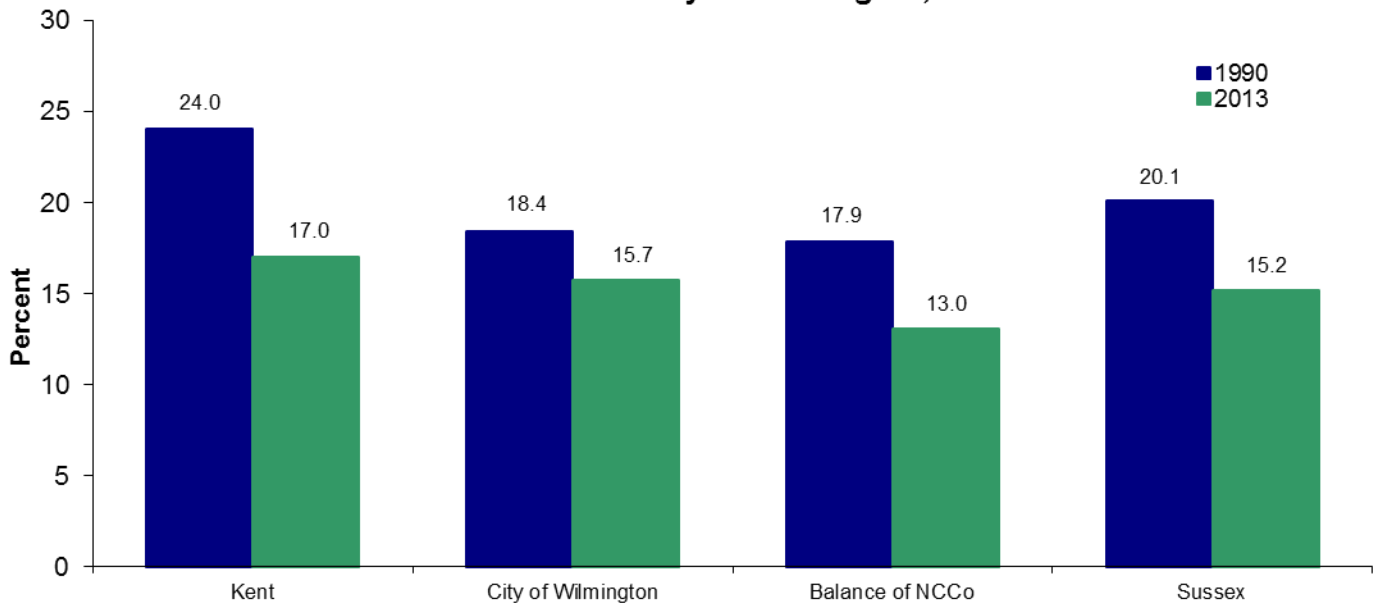
From 1998 to 2013, the rate of cesarean deliveries increased 35.8 percent, to 31.5 per 100 live births whereas vaginal births decreased only 10.7 percent. Since 1998 both preterm (<37 weeks gestation) and term (37+ weeks gestation) births had increases in cesarean delivery rates. Although term births demonstrated a greater increase in rates between 1998 and 2013, the C-section rate for preterm births remained higher at 38.3 per 100 preterm births, versus 30.6 per 100 term births in 2013.

**Annual Rate of Cesarean Deliveries by Gestational Category  
Delaware, 1990-2013**



From 1990 to 2013, the percentage of Delaware mothers who used tobacco while pregnant decreased in all three counties and the city of Wilmington. In 2013, the City of Wilmington had the highest percentage of mothers who smoked while pregnant.

**Percent of Mothers who Smoked while Pregnant  
Delaware Counties and City of Wilmington, 1990 and 2013**



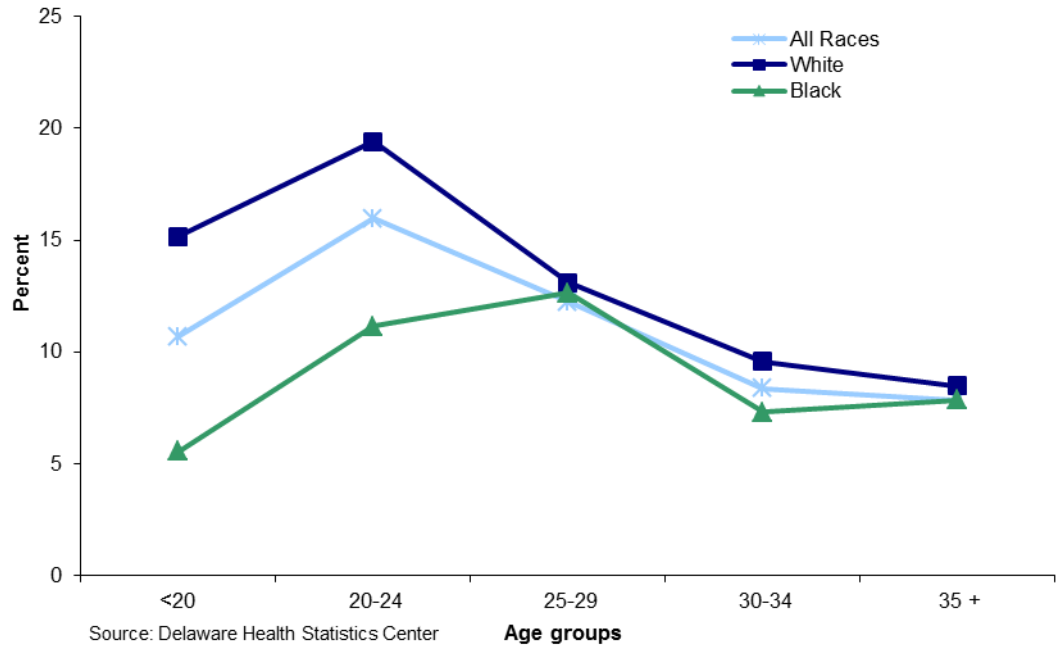
## LIVE BIRTHS

In all age groups, white mothers were more likely than black mothers to smoke while pregnant.

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

Mothers of all races in the 35+ age group were the least likely to smoke while pregnant.

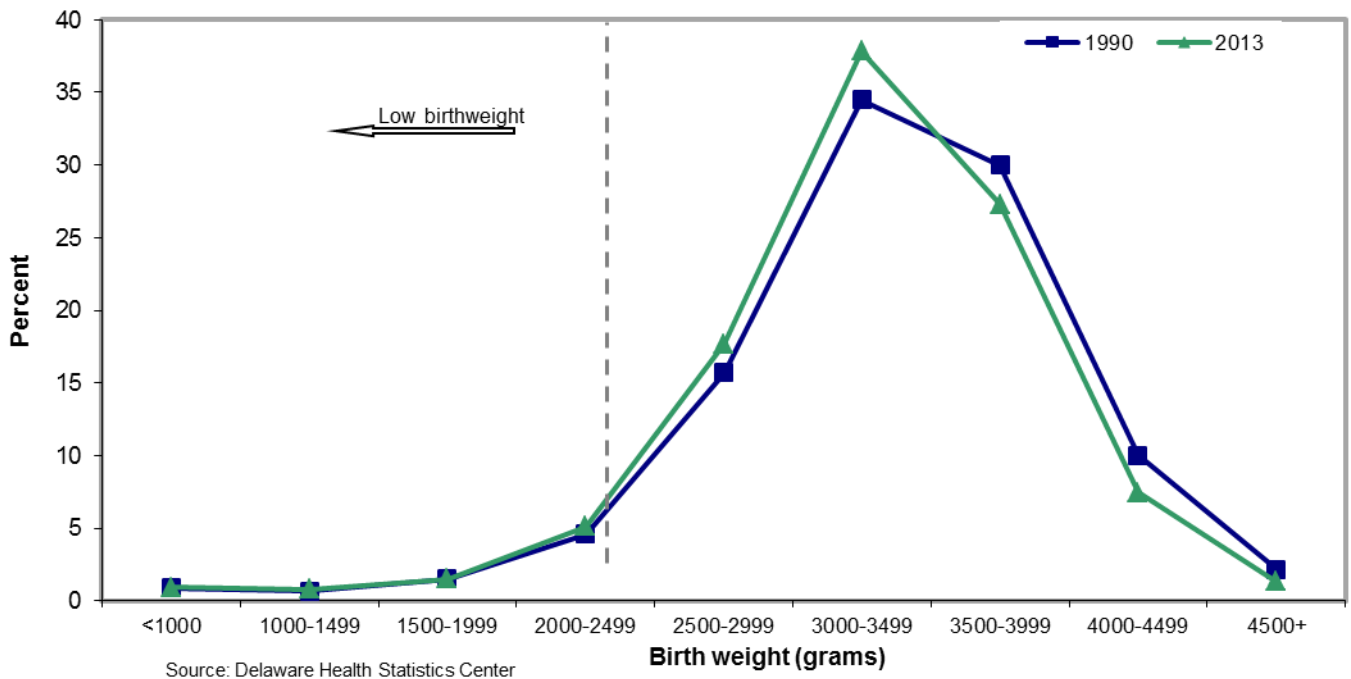
### Percent of Mothers who Smoked While Pregnant by Age Group and Race, Delaware, 2013



In 2013, 15.2 percent of Delaware women who smoked while pregnant gave birth to low birthweight babies (< 2500 grams), versus the significantly lower percentage (7.4) of non-smokers who gave birth to low birthweight babies.

The percent distribution of births by birthweight did not differ significantly between 1990 and 2013. The greatest percentage of births fell within the 3,000 to 3,499 gram range.

### Percent Distribution of Births by Birthweight Delaware, 1990 and 2013

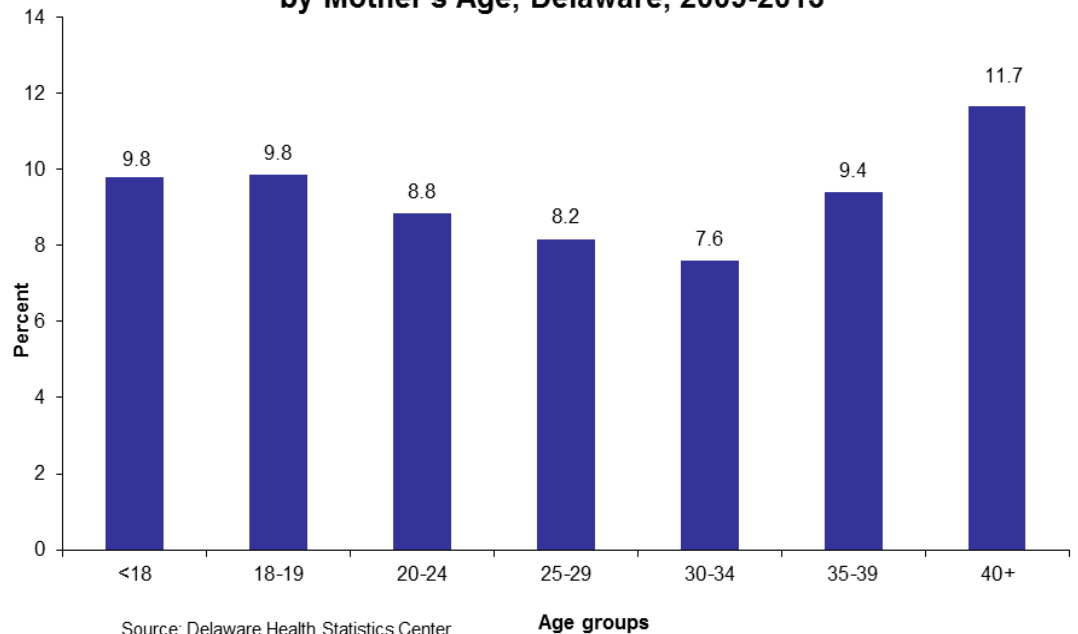


## LIVE BIRTHS

From 2008-2012 to 2009-2013, the five-year percent of low birthweight (LBW) births and very low birthweight (VLBW) births remained relatively stable at 8.5 and 1.8, respectively.

The percent of LBW births was greatest for mothers in the 40 and older age group (11.7 percent) and lowest for those in the 30-34 age group.

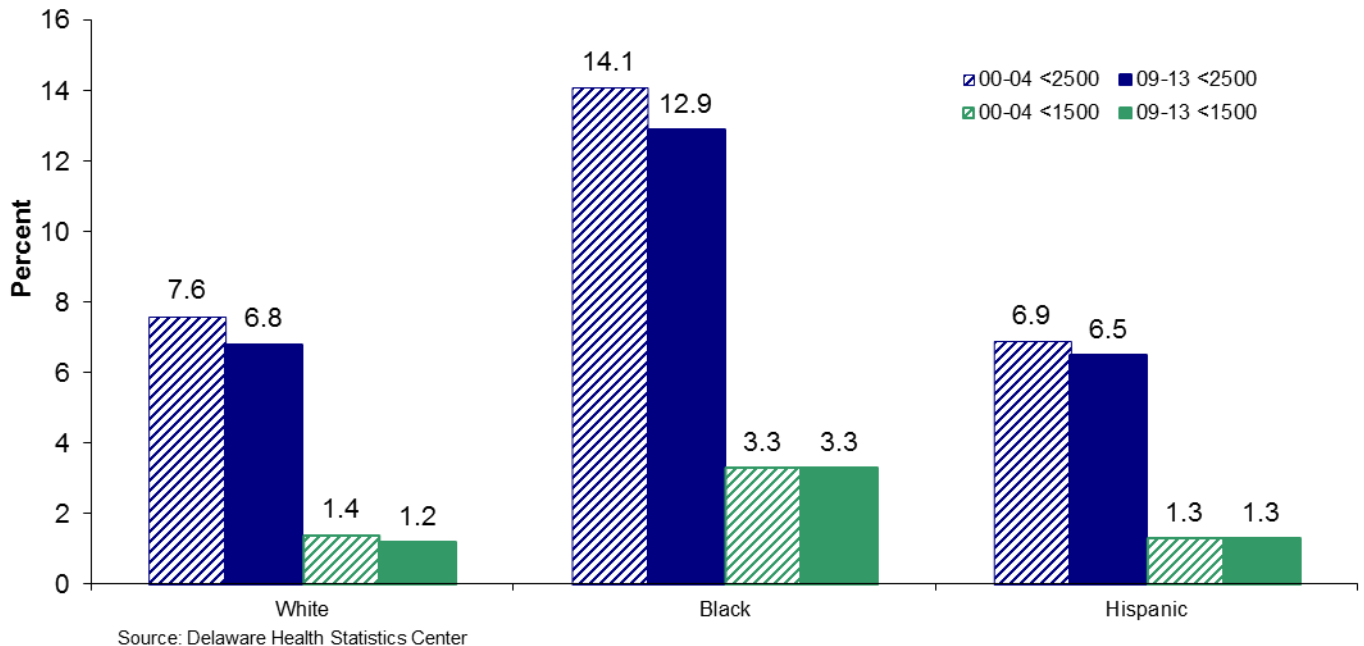
**Five-year Percent of Low Birthweight Births (<2500 grams) by Mother's Age, Delaware, 2009-2013**



Among mothers of all ages in 2013, black mothers had the highest percentage of LBW and VLBW births, at 12.7 percent and 3.2 percent respectively.

Between 2000-2004 and 2008-2012, the percentages of white, black, and Hispanic infants born at low birthweight all declined whereas 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 2009-2013**





**Intentionally left blank**

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2003-2013

(ALL RACES)

Area/ Age	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>U.S.</b>	4089950	4112052	4138349	4265555	4316233	4247694	4130665	3999386	3953590	3952841	3932181
<20	421241	422043	421315	441832	451094	440522	414831	372175	333746	309060	276203
20-24	1032305	1034454	1040388	1080437	1082354	1052184	1005982	951688	925200	916811	896745
25-29	1086366	1104485	1131596	1181899	1208408	1195774	1166787	1133713	1127583	1123900	1120777
30+	1550038	1551070	1545050	1561387	1574377	1559214	1543065	1541810	1567061	1603070	1637779
<b>Delaware</b>	11337	11358	11603	11894	12097	12016	11369	11291	11227	10982	10802
<20	1227	1198	1239	1281	1251	1251	1085	983	909	768	730
20-24	2917	2861	2931	3056	3095	3000	2831	2707	2642	2534	2431
25-29	2878	2985	3101	3226	3335	3477	3280	3293	3297	3151	3139
30+	4315	4314	4332	4331	4416	4288	4173	4308	4379	4529	4502
<b>Kent</b>	2062	2010	2175	2230	2243	2294	2258	2228	2166	2206	2180
<20	243	242	266	246	252	235	209	198	183	162	134
20-24	713	660	670	679	685	672	719	633	601	597	599
25-29	507	531	603	625	689	669	687	703	685	664	665
30+	599	577	636	680	617	718	643	694	697	783	782
<b>New Castle</b>	7174	7120	7172	7300	7357	7229	6794	6780	6880	6479	6444
<20	712	667	654	716	669	695	613	546	527	410	395
20-24	1577	1502	1562	1652	1599	1554	1424	1418	1417	1294	1286
25-29	1840	1858	1922	1953	1965	2081	1921	1915	1956	1822	1812
30+	3045	3093	3034	2979	3124	2899	2836	2901	2980	2953	2951
Wilmington	1219	1162	1207	1341	1290	1295	1237	1064	1111	1005	1057
<20	243	222	218	243	221	238	193	153	159	122	132
20-24	395	375	351	423	399	375	360	294	275	264	270
25-29	249	252	285	317	309	337	312	275	301	258	278
30+	332	313	353	358	361	345	372	342	376	361	377
Balance of NC County	5955	5958	5965	5959	6067	5934	5557	5716	5769	5474	5387
<20	469	445	436	473	448	457	420	393	368	288	263
20-24	1182	1127	1211	1229	1200	1179	1064	1124	1142	1030	1016
25-29	1591	1606	1637	1636	1656	1744	1609	1640	1655	1564	1534
30+	2713	2780	2681	2621	2763	2554	2464	2559	2604	2592	2574
<b>Sussex</b>	2101	2228	2256	2364	2497	2493	2317	2283	2181	2297	2178
<20	272	289	319	319	330	321	263	239	199	196	201
20-24	627	699	699	725	811	774	688	656	624	643	546
25-29	531	596	576	648	681	727	672	675	656	665	662
30+	671	644	662	672	675	671	694	713	702	793	769

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, 2003-2013  
(WHITE)

Area/ Age	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>U.S.</b>	3225848	3222928	3229294	3310308	3336626	3274163	3173293	3069315	3020355	2999820	2985757
<20	302024	300858	298910	311947	318103	309714	291731	261750	234461	218091	196625
20-24	790910	788264	790445	818253	818503	791852	751430	706130	680525	670593	653819
25-29	871496	880870	899406	935928	954168	942837	917877	893103	883545	874345	869697
30+	1261418	1252936	1240533	1244180	1245852	1229760	1212255	1208332	1221824	1236791	1265616
<b>Delaware</b>	7823	7897	8113	8110	7996	8113	7612	7566	7510	7312	7087
<20	691	653	714	717	659	703	592	546	511	443	389
20-24	1820	1817	1910	1894	1895	1871	1788	1659	1588	1536	1433
25-29	2035	2102	2224	2291	2278	2393	2270	2290	2273	2151	2086
30+	3277	3325	3265	3208	3164	3146	2962	3071	3138	3182	3179
<b>Kent</b>	1444	1388	1529	1557	1528	1578	1538	1502	1497	1507	1440
<20	146	125	146	131	151	132	111	103	105	83	64
20-24	463	442	459	449	428	440	469	410	370	376	371
25-29	373	370	437	466	501	472	485	507	514	475	463
30+	462	451	487	511	448	534	473	482	508	573	542
<b>New Castle</b>	4885	4816	4846	4802	4711	4560	4260	4264	4308	3985	3953
<20	380	343	363	384	337	343	310	265	271	212	189
20-24	956	881	964	940	922	865	809	783	775	679	678
25-29	1281	1257	1313	1334	1265	1327	1239	1233	1230	1130	1091
30+	2268	2335	2206	2144	2187	2025	1902	1983	2032	1964	1995
Wilmington	477	437	475	488	472	446	423	444	446	375	409
<20	62	51	61	51	43	50	39	36	43	30	41
20-24	116	112	109	118	118	87	105	92	79	67	63
25-29	112	104	117	140	118	138	106	131	123	95	101
30+	187	170	188	179	193	171	173	185	201	183	204
Balance of NC County	4408	4379	4371	4314	4239	4114	3837	3820	3862	3610	3544
<20	318	292	302	333	294	293	271	229	228	182	148
20-24	840	769	855	822	804	778	704	691	696	612	615
25-29	1169	1153	1196	1194	1147	1189	1133	1102	1107	1035	990
30+	2081	2165	2018	1965	1994	1854	1729	1798	1831	1781	1791
<b>Sussex</b>	1494	1693	1738	1751	1757	1975	1814	1800	1705	1820	1694
<20	165	185	205	202	171	228	171	178	135	148	136
20-24	401	494	487	505	545	566	510	466	443	481	384
25-29	381	475	474	491	512	594	546	550	529	546	532
30+	547	539	572	553	529	587	587	606	598	645	642

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

RESLVB2

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2003-2013

(BLACK)

Area/ Age	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>U.S.</b>	599847	616074	633134	666481	675676	670809	657618	636425	632901	634126	634760
<20	103677	105620	106742	113615	116006	114249	107548	96606	86615	78813	68649
20-24	196268	200398	203716	213877	215052	212493	208885	202082	201323	202527	200706
25-29	139947	147858	156161	166860	170270	169068	165737	160007	161100	163050	167521
30+	159955	162198	166515	172129	174348	174999	175448	177730	183863	189736	197884
<b>Delaware</b>	2865	2870	2881	3018	3251	3245	3159	3086	3084	2952	3049
<20	504	516	494	523	531	526	479	419	386	306	323
20-24	981	946	936	1012	1037	1034	959	976	992	924	916
25-29	617	687	683	691	790	845	821	788	799	763	838
30+	763	721	768	792	893	840	900	903	907	959	972
<b>Kent</b>	559	529	549	578	645	645	646	638	602	610	648
<20	93	110	103	110	95	99	91	93	75	76	63
20-24	237	195	192	211	237	217	229	206	213	202	209
25-29	118	133	139	125	168	175	186	163	154	166	178
30+	111	91	115	132	145	154	140	176	160	166	198
<b>New Castle</b>	1878	1879	1878	2026	2128	2152	2063	2019	2054	1930	1972
<20	323	307	285	320	320	339	296	268	250	186	197
20-24	583	569	550	647	626	630	566	591	609	571	555
25-29	404	451	458	470	519	562	527	517	535	497	548
30+	568	552	585	589	663	621	674	643	660	676	672
<b>Wilmington</b>	728	707	710	820	802	824	794	601	647	600	615
<20	178	167	157	186	176	185	151	116	116	88	86
20-24	277	260	238	298	277	285	255	195	195	194	203
25-29	134	143	159	170	185	192	198	141	174	153	170
30+	139	137	156	166	164	162	190	149	162	165	156
<b>Balance of NC County</b>	1150	1172	1168	1206	1326	1328	1269	1418	1407	1330	1357
<20	145	140	128	134	144	154	145	152	134	98	111
20-24	306	309	312	349	349	345	311	396	414	377	352
25-29	270	308	299	300	334	370	329	376	361	344	378
30+	429	415	429	423	499	459	484	494	498	511	516
<b>Sussex</b>	428	462	454	414	478	448	450	429	428	412	429
<20	88	99	106	93	116	88	92	58	61	44	63
20-24	161	182	194	154	174	187	164	179	170	151	152
25-29	95	103	86	96	103	108	108	108	110	100	112
30+	84	78	68	71	85	65	86	84	87	117	102

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, 2003-2013  
(HISPANIC ORIGIN)

Area/ Age	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>U.S.</b>	912329	946349	985505	1039077	1062779	1041239	999548	945180	918129	907677	901033
<20	130880	135400	139372	148125	150974	147240	138336	123609	111236	104118	94174
20-24	273311	279746	287896	303454	305262	293054	274726	254723	243724	241138	237705
25-29	246361	254358	266590	280615	287942	281319	270641	254982	248269	244474	244243
30+	261777	276845	291647	306883	318601	319626	315845	311866	314900	317947	324911
<b>Delaware</b>	1382	1519	1674	1917	1914	1845	1653	1426	1427	1396	1342
<20	217	206	271	290	255	275	223	174	166	135	148
20-24	460	527	560	614	654	565	524	404	394	375	334
25-29	382	433	417	550	537	498	467	425	431	428	401
30+	323	353	426	463	468	507	439	423	436	458	459
<b>Kent</b>	121	143	165	166	199	185	197	156	162	178	184
<20	17	25	32	25	31	28	31	17	16	15	22
20-24	46	66	54	49	67	54	74	52	55	59	58
25-29	25	29	35	48	63	40	47	57	52	50	52
30+	33	23	44	44	38	63	45	30	39	54	52
<b>New Castle</b>	862	906	990	1183	1069	1015	906	760	789	726	707
<20	148	124	157	185	136	154	137	101	116	84	86
20-24	274	291	324	379	340	293	268	207	206	187	178
25-29	233	260	247	331	285	290	255	213	221	227	205
30+	207	231	262	288	308	278	246	239	246	228	238
<b>Wilmington</b>	221	205	223	267	228	200	174	172	161	118	154
<20	54	38	48	50	37	38	30	25	34	18	25
20-24	79	77	75	94	89	64	61	55	40	39	42
25-29	53	52	55	70	48	65	49	48	48	32	49
30+	35	38	45	53	54	33	34	44	39	29	38
<b>Balance of NC County</b>	641	701	767	916	841	815	732	588	628	608	553
<20	94	86	109	135	99	116	107	76	82	66	61
20-24	195	214	249	285	251	229	207	152	166	148	136
25-29	180	208	192	261	237	225	206	165	173	195	156
30+	172	193	217	235	254	245	212	195	207	199	200
<b>Sussex</b>	399	470	519	568	646	645	550	510	476	492	451
<20	52	57	82	80	88	93	55	56	34	36	40
20-24	140	170	182	186	247	218	182	145	133	129	98
25-29	124	144	135	171	189	168	165	155	158	151	144
30+	83	99	120	131	122	166	148	154	151	176	169

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, 1994-2013

Age/Area/ Race	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	2009 -2013
<b>Teens 15-19</b>																
<b>U.S.</b>	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	32.0
White	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	29.8
Black	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	47.8
<b>Delaware</b>	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	30.5
White	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	26.4
Black	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	47.1
<b>Kent</b>	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	31.1
White	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	24.9
Black	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	50.8
<b>New Castle</b>	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	27.1
White	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	22.0
Black	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	43.8
Wilmington	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	64.0
White	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	84.6
Black	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	65.8
<b>Sussex</b>	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	41.5
White	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	40.6
Black	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	58.5
<b>Teens 15-17</b>																
<b>U.S.</b>	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	17.6	15.8
<b>Delaware</b>	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	14.5
<b>Kent</b>	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	14.3
<b>New Castle</b>	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	13.4
<b>Sussex</b>	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	18.4
<b>Teens 18-19</b>																
<b>U.S.</b>	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	55.1
<b>Delaware</b>	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	53.4
<b>Kent</b>	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	55.5
<b>New Castle</b>	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	46.6
<b>Sussex</b>	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	75.0

FYATEEN

**Notes:**

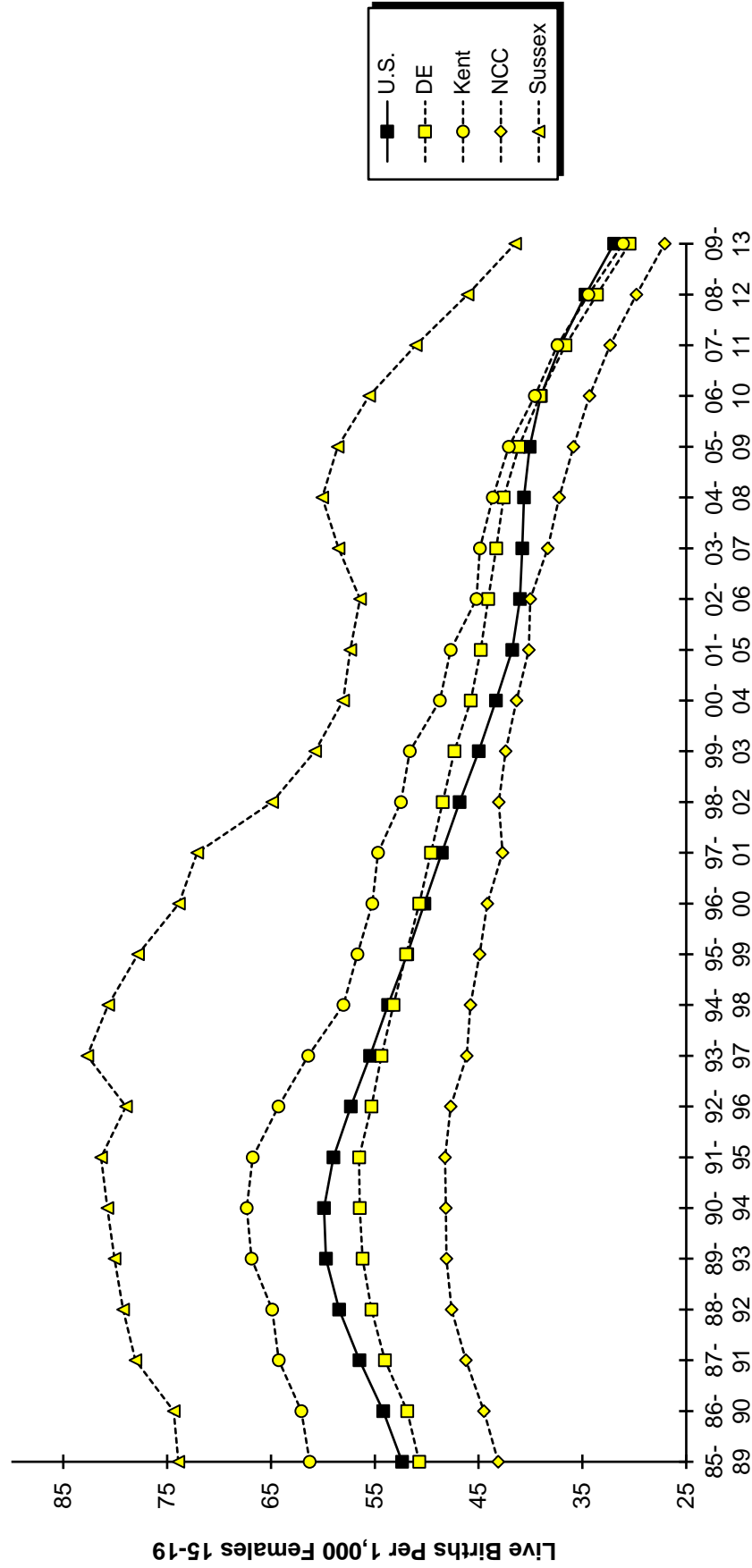
1. Teenage live birth rates represent the number of live births in a specific age category (e.g., 15-19) per 1,000 women in that age category.
2. Historical rates may change from one annual report to another due to refinements in the population estimates. Therefore, historical trends should not be examined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

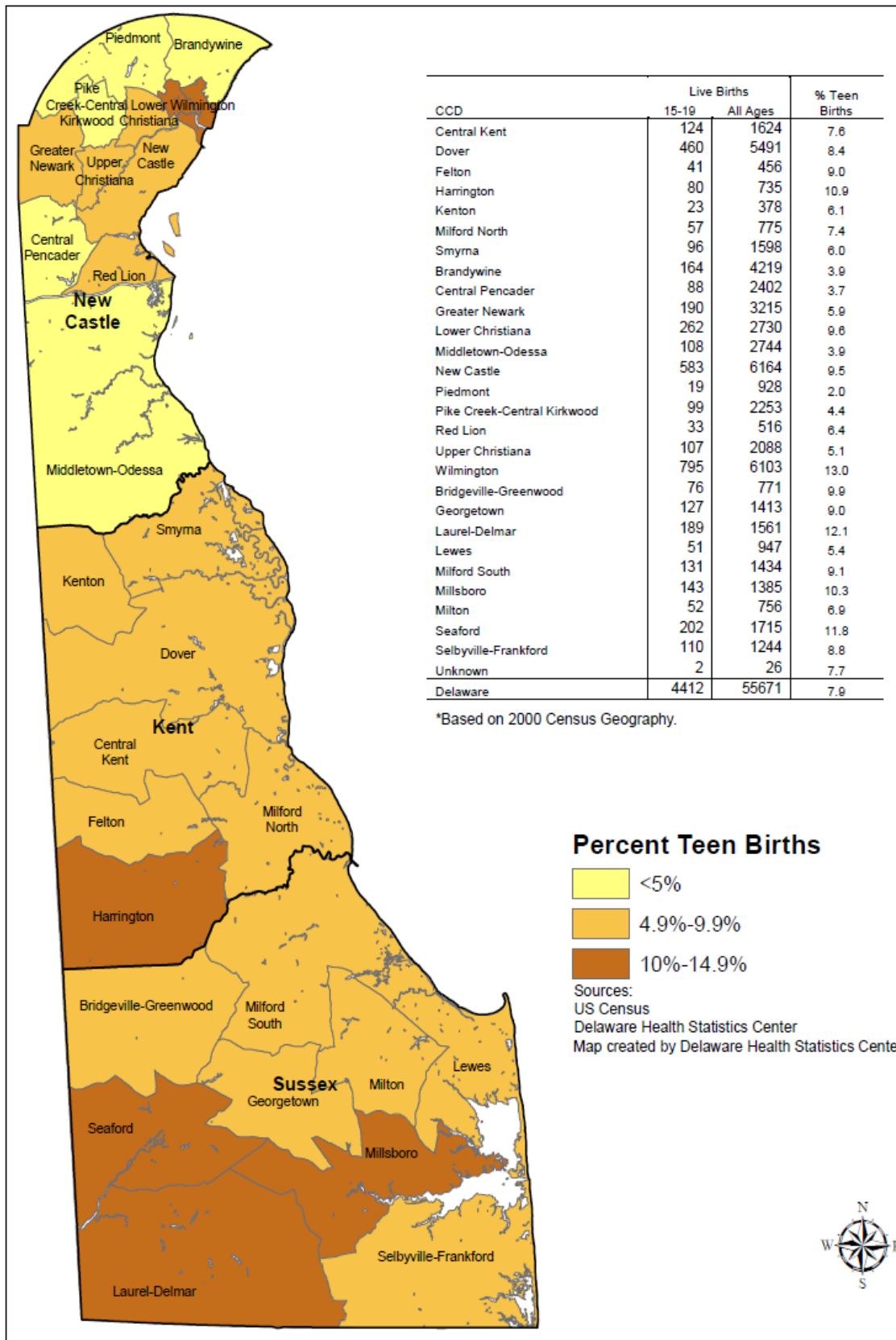
**U.S., Delaware and Counties, 1985-2013**



Sources:  
 Delaware Health Statistics Center  
 National Center for Health Statistics

Five-Year Intervals

**Figure C-2**  
**Five-year Average Percent Live Births to Teens (15-19) by Census County Division\***  
**Delaware, 2009-2013**

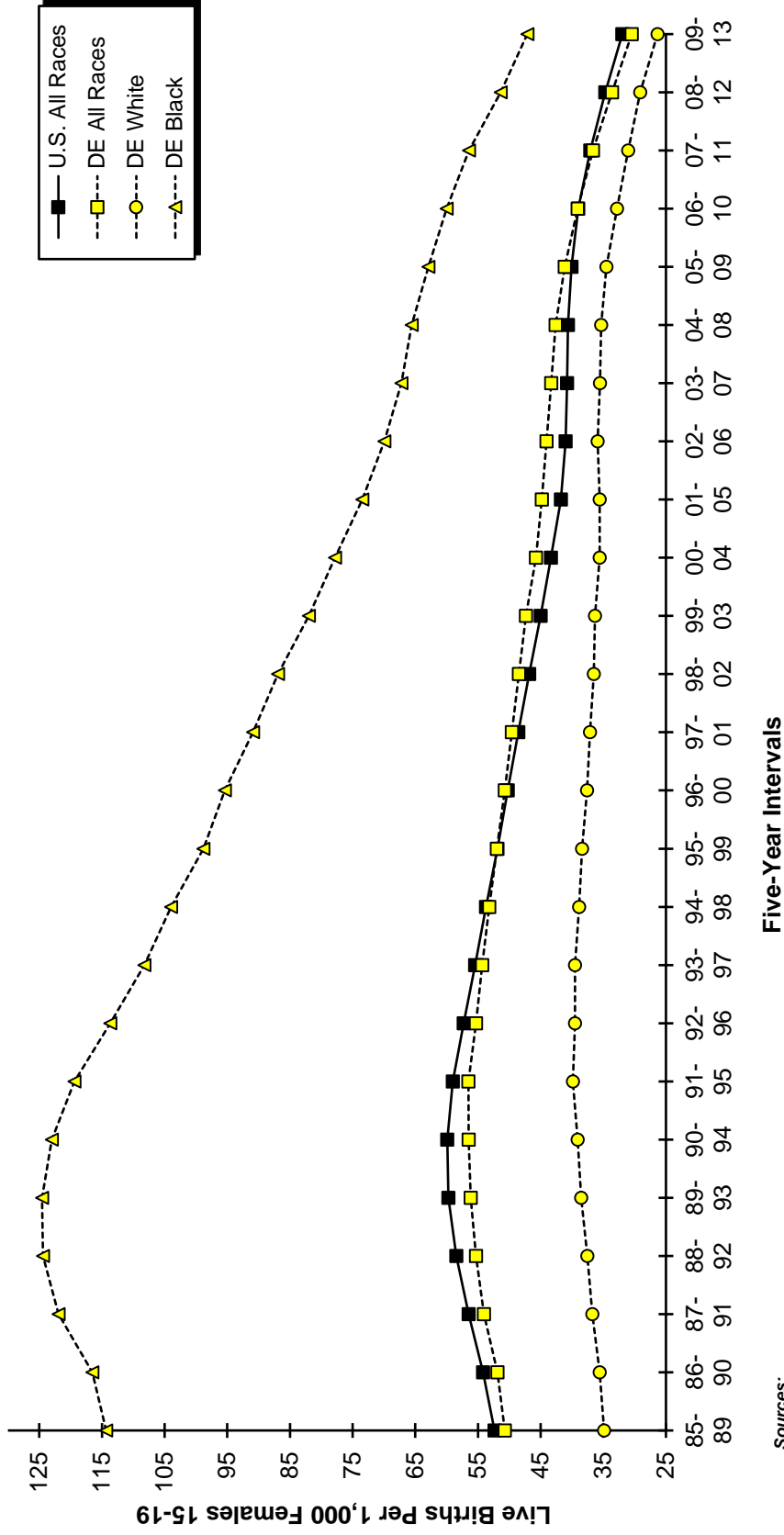


MD 07.13.16



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

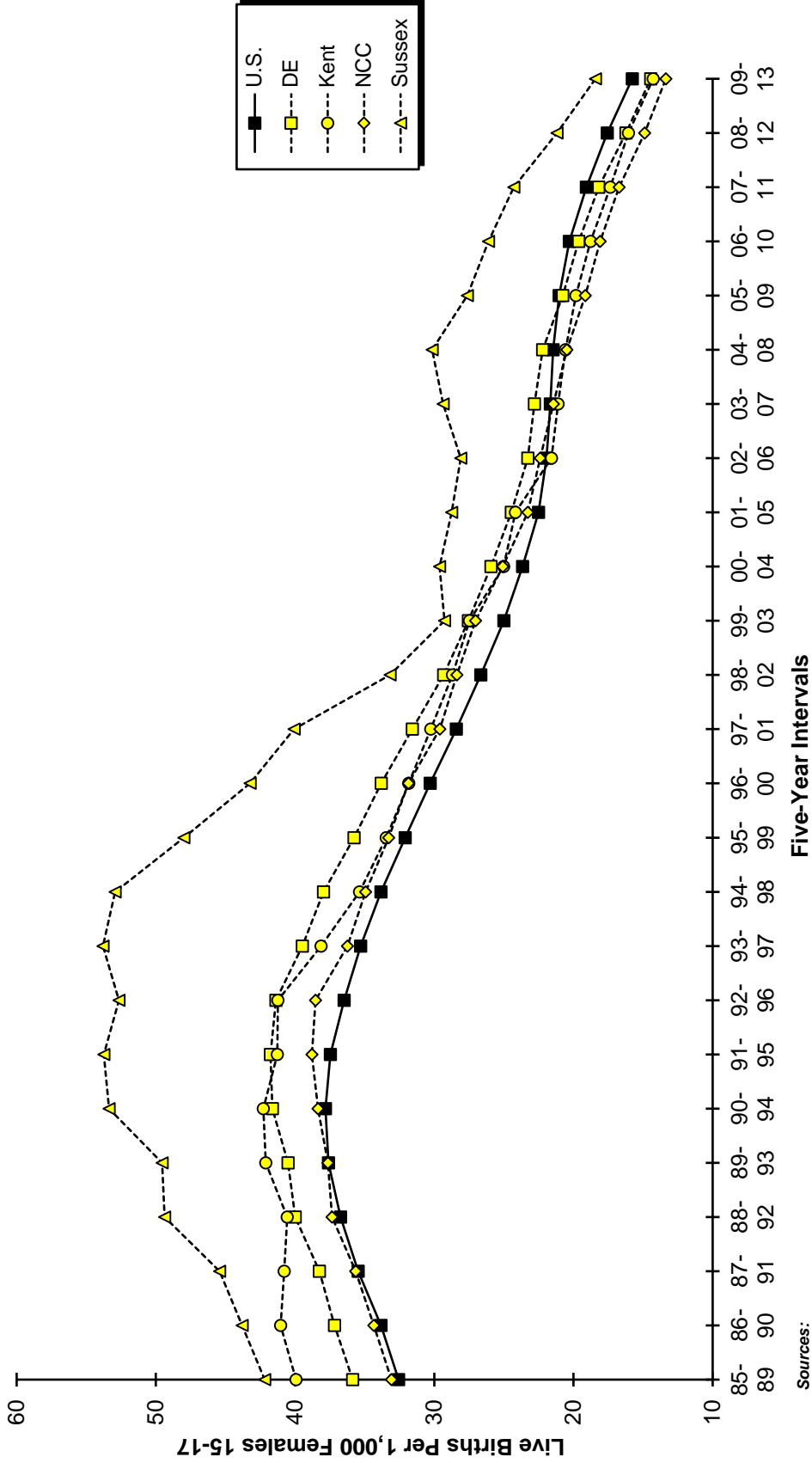
**U.S. and Delaware, 1985-2013**



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

**Figure C-4**  
**Five-Year Average Teenage (15-17) Live Birth Rates**

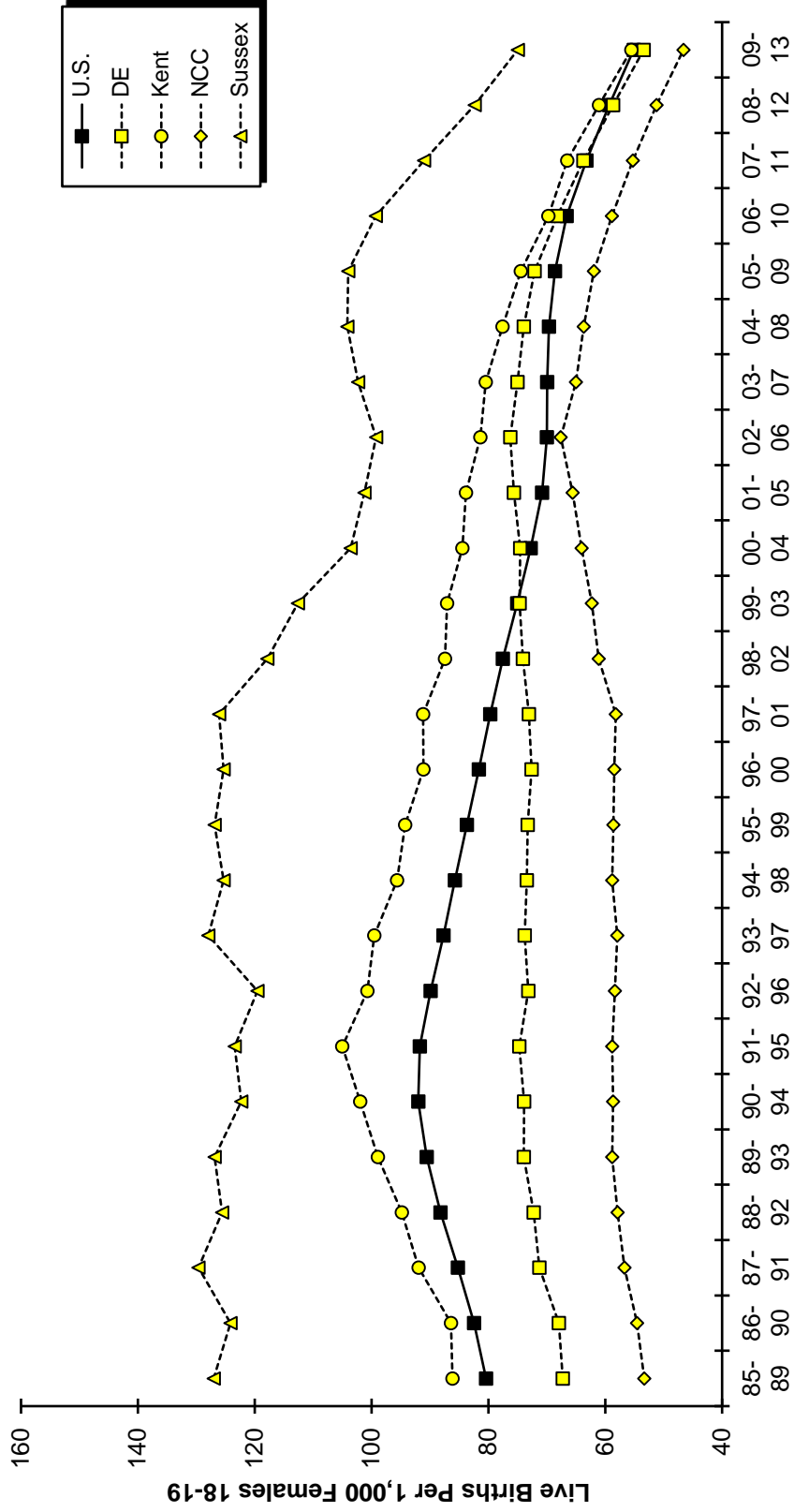
**U.S., Delaware and Counties, 1985-2013**



Sources:  
 Delaware Health Statistics Center  
 National Center for Health Statistics

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

U.S., Delaware and Counties, 1985-2013



Sources:  
Delaware Health Statistics Center  
National Center for Health Statistics

Five-Year Intervals

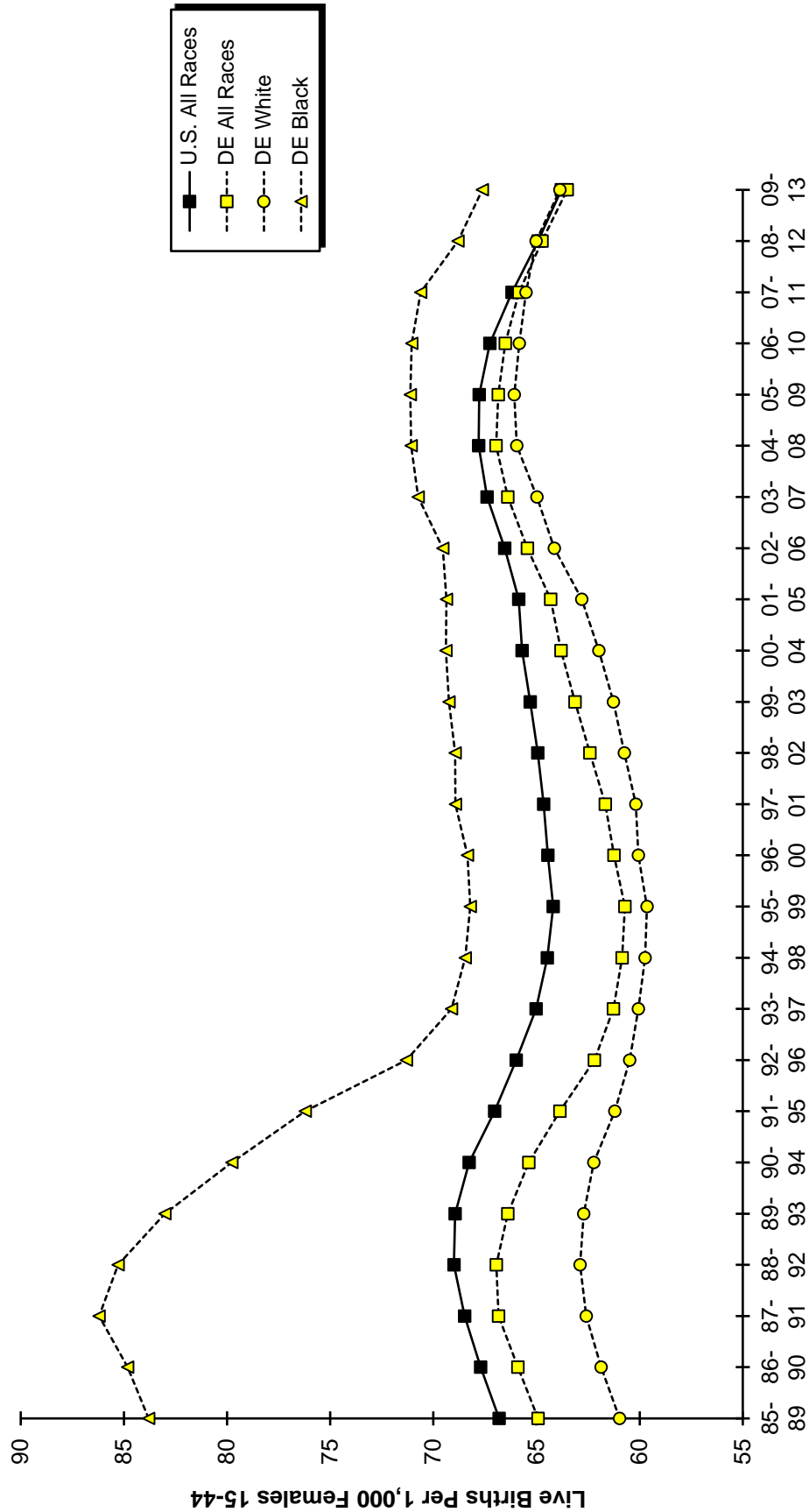








**Figure C-7**  
**Five-Year Average General Fertility Rates by Race**  
**U.S. and Delaware, 1985-2013**



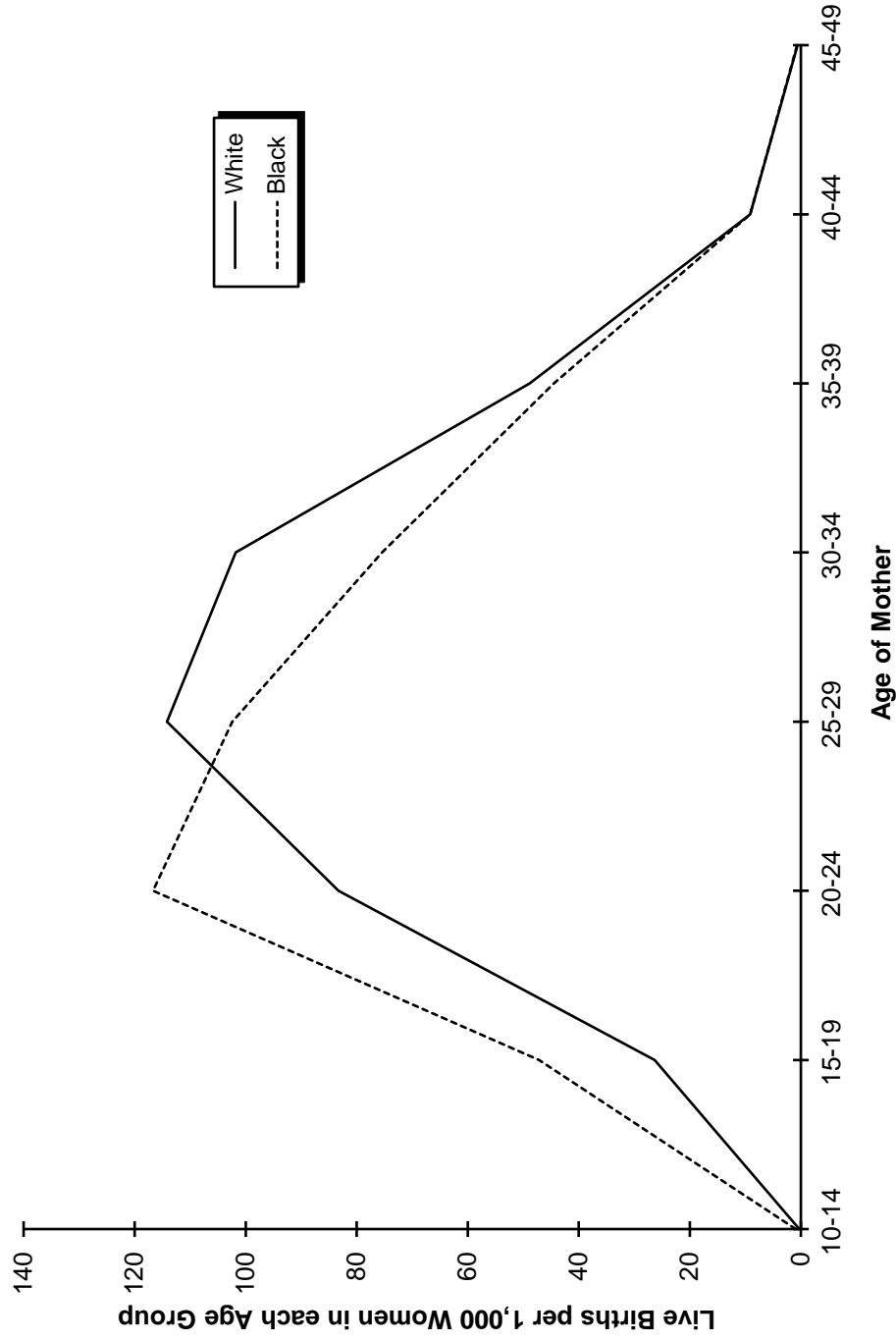
Sources:  
 Delaware Health Statistics Center  
 National Center for Health Statistics

Five-Year Intervals



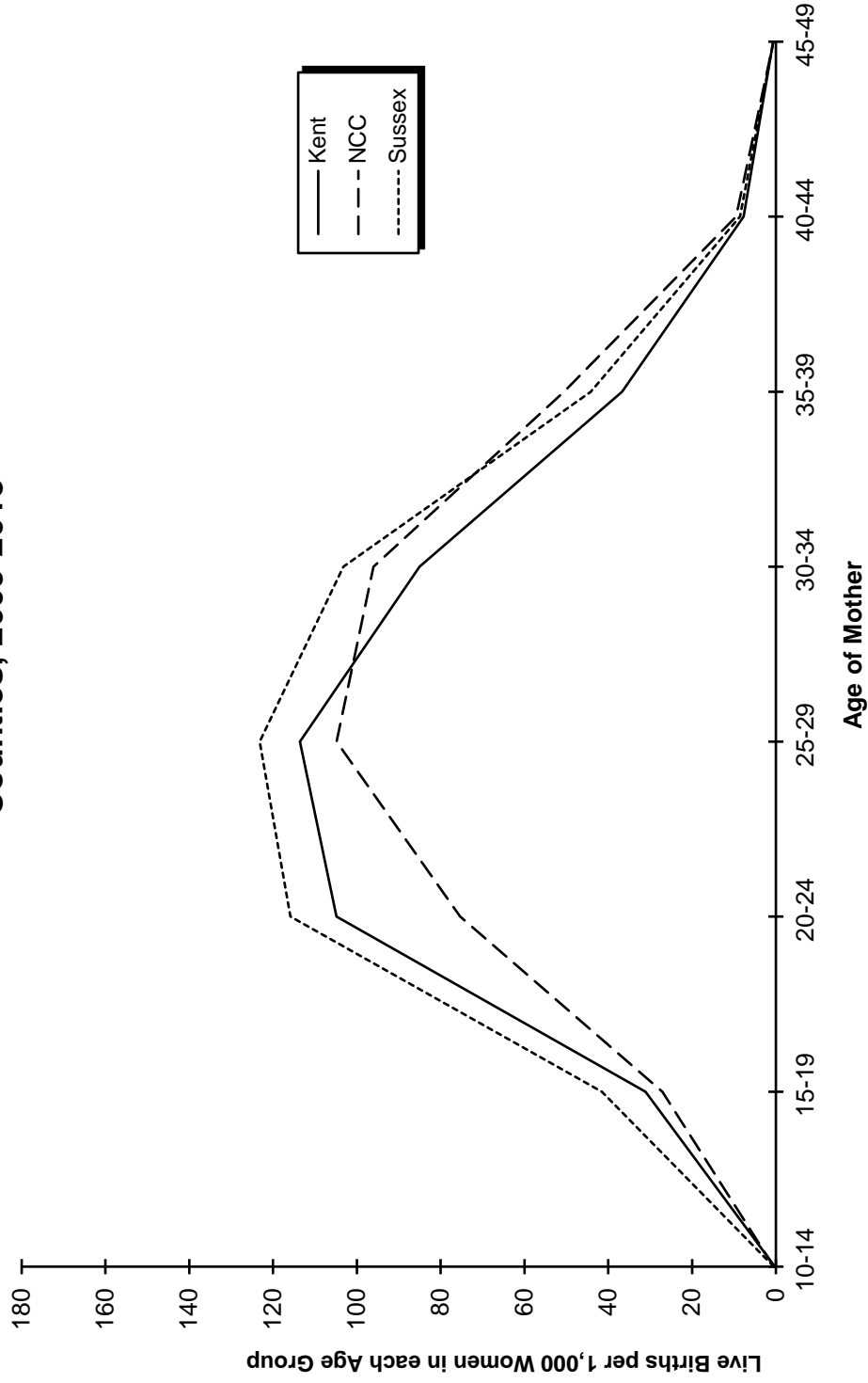
**Figure C-8**  
**Five-Year Average Age-Specific Live Birth Rates by Race**

**Delaware, 2009-2013**



**Source:**  
 Delaware Health Statistics Center

**Figure C-9**  
**Five-Year Average Age-Specific Live Birth Rates by County**  
**Counties, 2009-2013**



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, 2013**

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>	10802	7087	3049	30	87	3	1	57	404	70	1342
<15	6	3	3	0	0	0	0	0	0	0	3
15-17	199	112	84	0	1	0	0	0	0	2	55
18-19	525	274	236	1	0	1	0	1	2	9	90
20-24	2431	1433	916	6	6	0	1	7	38	17	334
25-29	3139	2086	838	11	21	0	0	12	150	20	401
30-34	2984	2129	615	7	36	1	0	19	157	17	301
35-39	1221	847	286	4	15	1	0	14	49	4	126
40+	297	203	71	1	8	0	0	4	8	1	32
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	2180	1440	648	10	4	1	0	25	30	20	184
<15	0	0	0	0	0	0	0	0	0	0	0
15-17	37	17	18	0	0	0	0	0	0	2	6
18-19	97	47	45	0	0	0	0	1	0	4	16
20-24	599	371	209	3	1	0	0	5	6	3	58
25-29	665	463	178	4	2	0	0	5	8	5	52
30-34	537	380	126	0	1	0	0	9	15	6	36
35-39	195	128	58	3	0	1	0	4	1	0	13
40+	50	34	14	0	0	0	0	1	0	0	3
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	6444	3953	1972	10	81	2	1	27	352	38	707
<15	4	2	2	0	0	0	0	0	0	0	2
15-17	113	62	51	0	0	0	0	0	0	0	40
18-19	278	125	144	1	0	1	0	0	2	4	44
20-24	1286	678	555	2	4	0	1	2	28	12	178
25-29	1812	1091	548	3	19	0	0	7	134	9	205
30-34	1923	1296	431	4	35	1	0	8	137	9	150
35-39 40	831	577	185	0	15	0	0	7	44	3	70
+	197	122	56	0	8	0	0	3	7	1	18
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Wilmington</b>	1057	409	615	4	2	2	0	7	9	7	154
<15	2	1	1	0	0	0	0	0	0	0	1
15-17	43	19	24	0	0	0	0	0	0	0	15
18-19	87	21	61	1	0	1	0	0	1	1	9
20-24	270	63	203	2	0	0	0	0	1	1	42
25-29	278	101	170	1	0	0	0	1	2	2	49
30-34	267	141	116	0	1	1	0	4	1	3	22
35-39 40	88	55	27	0	1	0	0	2	3	0	13
+	22	8	13	0	0	0	0	0	1	0	3
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	5387	3544	1357	6	79	0	1	20	343	31	553
<15	2	1	1	0	0	0	0	0	0	0	1
15-17	70	43	27	0	0	0	0	0	0	0	25
18-19	191	104	83	0	0	0	0	0	1	3	35
20-24	1016	615	352	0	4	0	1	2	27	11	136
25-29	1534	990	378	2	19	0	0	6	132	7	156
30-34	1656	1155	315	4	34	0	0	4	136	6	128
35-39 40	743	522	158	0	14	0	0	5	41	3	57
+	175	114	43	0	8	0	0	3	6	1	15
Unknown	0	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2178	1694	429	10	2	0	0	5	22	12	451
<15	2	1	1	0	0	0	0	0	0	0	1
15-17	49	33	15	0	1	0	0	0	0	0	9
18-19	150	102	47	0	0	0	0	0	0	1	30
20-24	546	384	152	1	1	0	0	0	4	2	98
25-29	662	532	112	4	0	0	0	0	8	6	144
30-34	524	453	58	3	0	0	0	2	5	2	115
35-39 40	195	142	43	1	0	0	0	3	4	1	43
+	50	47	1	1	0	0	0	0	1	0	11
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, 2013

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>	5649	0	2	10	289	1241	1912	1212	719	264
<15	0	0	0	0	0	0	0	0	0	0
15-17	4	0	0	0	3	1	0	0	0	0
18-19	28	0	0	3	15	2	3	2	0	3
20-24	598	0	0	5	205	247	79	19	10	33
25-29	1704	0	0	0	56	782	603	129	64	70
30-34	2160	0	2	0	7	187	1062	595	198	109
35-39 40	934	0	0	2	1	21	152	432	286	40
+	221	0	0	0	2	1	13	35	161	9
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	1190	0	0	3	130	338	364	209	123	23
<15	0	0	0	0	0	0	0	0	0	0
15-17	1	0	0	0	1	0	0	0	0	0
18-19	8	0	0	1	6	0	1	0	0	0
20-24	201	0	0	2	97	71	21	3	2	5
25-29	403	0	0	0	24	221	120	19	14	5
30-34	395	0	0	0	2	39	194	109	42	9
35-39 40	144	0	0	0	0	7	25	71	37	4
+	38	0	0	0	0	0	3	7	28	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	3488	0	2	5	90	656	1235	840	444	216
<15	0	0	0	0	0	0	0	0	0	0
15-17	3	0	0	0	2	1	0	0	0	0
18-19	14	0	0	2	4	2	1	2	0	3
20-24	255	0	0	1	59	120	36	15	2	22
25-29	986	0	0	0	20	411	377	91	31	56
30-34	1434	0	2	0	3	111	710	401	113	94
35-39 40	650	0	0	2	1	10	104	311	187	35
+	146	0	0	0	1	1	7	20	111	6
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Wilmington</b>	322	0	1	1	6	48	128	72	44	22
<15	0	0	0	0	0	0	0	0	0	0
15-17	1	0	0	0	1	0	0	0	0	0
18-19	2	0	0	1	0	0	0	0	0	1
20-24	21	0	0	0	3	7	2	4	1	4
25-29	75	0	0	0	2	28	31	8	2	4
30-34	149	0	1	0	0	12	84	30	13	9
35-39 40	58	0	0	0	0	1	10	26	17	4
+	16	0	0	0	0	0	1	4	11	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	3166	0	1	4	84	608	1107	768	400	194
<15	0	0	0	0	0	0	0	0	0	0
15-17	2	0	0	0	1	1	0	0	0	0
18-19	12	0	0	1	4	2	1	2	0	2
20-24	234	0	0	1	56	113	34	11	1	18
25-29	911	0	0	0	18	383	346	83	29	52
30-34	1285	0	1	0	3	99	626	371	100	85
35-39 40	592	0	0	2	1	9	94	285	170	31
+	130	0	0	0	1	1	6	16	100	6
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	971	0	0	2	69	247	313	163	152	25
<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	6	0	0	0	5	0	1	0	0	0
20-24	142	0	0	2	49	56	22	1	6	6
25-29	315	0	0	0	12	150	106	19	19	9
30-34	331	0	0	0	2	37	158	85	43	6
35-39 40	140	0	0	0	0	4	23	50	62	1
+	37	0	0	0	1	0	3	8	22	3
Unknown	0	0	0	0	0	0	0	0	0	0

Note:

NLBAMAF

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

Source: Delaware Health Statistics Center

TABLE C-11  
NUMBER OF LIVE BIRTHS BY EDUCATION AND AGE OF MOTHER  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2013

Area/ Education	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10802	6	199	525	2431	3139	2984	1221	297	0
<9	548	5	20	10	108	158	159	70	18	0
9 to 11	1345	1	159	201	443	315	162	52	12	0
H.S. Graduate	2673	0	19	251	921	741	490	199	52	0
1 to 3 College	2943	0	1	60	808	995	729	277	73	0
4+ College	3228	0	0	0	132	913	1428	615	140	0
Unknown	65	0	0	3	19	17	16	8	2	0
<b>Kent</b>	2180	0	37	97	599	665	537	195	50	0
<9	117	0	5	2	30	30	35	11	4	0
9 to 11	261	0	29	39	91	60	33	8	1	0
H.S. Graduate	507	0	3	38	182	151	92	32	9	0
1 to 3 College	750	0	0	18	250	251	154	59	18	0
4+ College	528	0	0	0	39	169	221	82	17	0
Unknown	17	0	0	0	7	4	2	3	1	0
<b>New Castle</b>	6444	4	113	278	1286	1812	1923	831	197	0
<9	191	4	10	0	30	54	52	33	8	0
9 to 11	735	0	89	109	247	173	84	26	7	0
H.S. Graduate	1584	0	13	139	525	432	312	132	31	0
1 to 3 College	1598	0	1	27	395	534	425	172	44	0
4+ College	2302	0	0	0	81	608	1042	465	106	0
Unknown	34	0	0	3	8	11	8	3	1	0
Wilmington	1057	2	43	87	270	278	267	88	22	0
<9	38	2	7	0	6	8	8	6	1	0
9 to 11	232	0	28	37	83	55	25	3	1	0
H.S. Graduate	362	0	8	41	124	94	78	12	5	0
1 to 3 College	202	0	0	8	54	76	38	21	5	0
4+ College	217	0	0	0	2	41	118	46	10	0
Unknown	6	0	0	1	1	4	0	0	0	0
Balance of NC County	5387	2	70	191	1016	1534	1656	743	175	0
<9	153	2	3	0	24	46	44	27	7	0
9 to 11	503	0	61	72	164	118	59	23	6	0
H.S. Graduate	1222	0	5	98	401	338	234	120	26	0
1 to 3 College	1396	0	1	19	341	458	387	151	39	0
4+ College	2085	0	0	0	79	567	924	419	96	0
Unknown	28	0	0	2	7	7	8	3	1	0
<b>Sussex</b>	2178	2	49	150	546	662	524	195	50	0
<9	240	1	5	8	48	74	72	26	6	0
9 to 11	349	1	41	53	105	82	45	18	4	0
H.S. Graduate	582	0	3	74	214	158	86	35	12	0
1 to 3 College	595	0	0	15	163	210	150	46	11	0
4+ College	398	0	0	0	12	136	165	68	17	0
Unknown	14	0	0	0	4	2	6	2	0	0

LBEDAGE1

**Source:**  
Delaware Health Statistics Center

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

DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2013

Area/ Education	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10802	100.0	7087	100.0	3049	100.0	652	100.0	1342	100.0
<9	548	5.1	486	6.9	41	1.3	19	2.9	366	27.3
9 to 11	1345	12.5	792	11.2	516	16.9	37	5.7	322	24.0
H.S. Grad.	2673	24.7	1534	21.6	1065	34.9	71	10.9	326	24.3
1 to 3 College	2943	27.2	1941	27.4	903	29.6	95	14.6	227	16.9
4+ College	3228	29.9	2296	32.4	504	16.5	428	65.6	93	6.9
Unknown	65	0.6	38	0.5	20	0.7	2	0.3	8	0.6
<b>Kent</b>	2180	100.0	1440	100.0	648	100.0	90	100.0	184	100.0
<9	117	5.4	100	6.9	16	2.5	1	1.1	26	14.1
9 to 11	261	12.0	145	10.1	111	17.1	5	5.6	25	13.6
H.S. Grad.	507	23.3	314	21.8	177	27.3	16	17.8	39	21.2
1 to 3 College	750	34.4	497	34.5	227	35.0	26	28.9	67	36.4
4+ College	528	24.2	376	26.1	110	17.0	42	46.7	24	13.0
Unknown	17	0.8	8	0.6	7	1.1	0	0.0	3	1.6
<b>New Castle</b>	6444	100.0	3953	100.0	1972	100.0	511	100.0	707	100.0
<9	191	3.0	163	4.1	14	0.7	12	2.3	130	18.4
9 to 11	735	11.4	425	10.8	284	14.4	26	5.1	210	29.7
H.S. Grad.	1584	24.6	812	20.5	726	36.8	44	8.6	199	28.1
1 to 3 College	1598	24.8	978	24.7	562	28.5	55	10.8	109	15.4
4+ College	2302	35.7	1554	39.3	376	19.1	372	72.8	54	7.6
Unknown	34	0.5	21	0.5	10	0.5	2	0.4	5	0.7
Wilmington	1057	100.0	409	100.0	615	100.0	31	100.0	154	100.0
<9	38	3.6	26	6.4	10	1.6	2	6.5	24	15.6
9 to 11	232	21.9	92	22.5	134	21.8	6	19.4	63	40.9
H.S. Grad.	362	34.2	86	21.0	269	43.7	6	19.4	47	30.5
1 to 3 College	202	19.1	43	10.5	153	24.9	6	19.4	14	9.1
4+ College	217	20.5	161	39.4	45	7.3	11	35.5	6	3.9
Unknown	6	0.6	1	0.2	4	0.7	0	0.0	0	0.0
Balance of NC County	5387	100.0	3544	100.0	1357	100.0	480	100.0	553	100.0
<9	153	2.8	137	3.9	4	0.3	10	2.1	106	19.2
9 to 11	503	9.3	333	9.4	150	11.1	20	4.2	147	26.6
H.S. Grad.	1222	22.7	726	20.5	457	33.7	38	7.9	152	27.5
1 to 3 College	1396	25.9	935	26.4	409	30.1	49	10.2	95	17.2
4+ College	2085	38.7	1393	39.3	331	24.4	361	75.2	48	8.7
Unknown	28	0.5	20	0.6	6	0.4	2	0.4	5	0.9
<b>Sussex</b>	2178	100.0	1694	100.0	429	100.0	51	100.0	451	100.0
<9	240	11.0	223	13.2	11	2.6	6	11.8	210	46.6
9 to 11	349	16.0	222	13.1	121	28.2	6	11.8	87	19.3
H.S. Grad.	582	26.7	408	24.1	162	37.8	11	21.6	88	19.5
1 to 3 College	595	27.3	466	27.5	114	26.6	14	27.5	51	11.3
4+ College	398	18.3	366	21.6	18	4.2	14	27.5	15	3.3
Unknown	14	0.6	9	0.5	3	0.7	0	0.0	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-14  
FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1994-2013

(WHITE)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	35.9
<20	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	85.1
20-24	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	57.5
25-29	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	29.7
30+	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	18.5
<b>Delaware</b>	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	40.4
<20	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	91.4
20-24	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	67.9
25-29	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	37.1
30+	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	20.5
<b>Kent</b>	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	35.7
<20	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	87.3
20-24	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	55.2
25-29	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	28.2
30+	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	18.5
<b>New Castle</b>	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	37.9
<20	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	92.5
20-24	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	72.9
25-29	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	37.4
30+	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	18.1
<b>Wilmington</b>	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	47.1
<20	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	93.7
20-24	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	80.5
25-29	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	52.2
30+	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	20.4
<b>Balance of NC County</b>	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	36.8
<20	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	92.3
20-24	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	72.0
25-29	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	35.8
30+	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	17.8
<b>Sussex</b>	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	50.4
<20	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	91.9
20-24	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	70.9
25-29	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	44.5
30+	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	30.1

SGLUSDE2

**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, 1994-2013

(BLACK)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	71.8
<20	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	97.3
20-24	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	87.1
25-29	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	66.7
30+	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	47.3
<b>Delaware</b>	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	71.8
<20	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	97.8
20-24	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	89.3
25-29	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	69.5
30+	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	45.0
<b>Kent</b>	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	68.9
<20	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	96.5
20-24	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	83.9
25-29	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	63.4
30+	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	42.5
<b>New Castle</b>	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	71.0
<20	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	98.1
20-24	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	90.7
25-29	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	69.6
30+	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	45.3
<b>Wilmington</b>	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	84.7
<20	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	98.9
20-24	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	94.9
25-29	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	82.7
30+	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	64.4
<b>Balance of NC County</b>	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	64.4
<20	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	97.3
20-24	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	88.3
25-29	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	63.5
30+	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	39.0
<b>Sussex</b>	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	79.6
<20	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	98.1
20-24	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	91.5
25-29	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	78.8
30+	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	47.7

SGLUSDE3

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

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

TABLE C-16  
 FIVE-YEAR AVERAGE PERCENTAGE OF LIVE BIRTHS TO SINGLE MOTHERS BY AGE OF MOTHER

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1994-2013

(HISPANIC ORIGIN\*)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	53.3
<20	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	86.7
20-24	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	65.8
25-29	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	47.4
30+	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	36.1
<b>Delaware</b>	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	64.1
<20	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	89.2
20-24	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	75.4
25-29	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	60.4
30+	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	47.7
<b>Kent</b>	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	54.8
<20	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	81.2
20-24	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	67.1
25-29	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	46.9
30+	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	35.5
<b>New Castle</b>	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	62.6
<20	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	90.6
20-24	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	77.5
25-29	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	57.1
30+	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	42.4
<b>Wilmington</b>	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	71.5
<20	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	93.2
20-24	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	83.1
25-29	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	67.3
30+	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	46.2
<b>Balance of NC County</b>	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	60.4
<20	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	89.8
20-24	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	75.9
25-29	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	54.5
30+	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	41.8
<b>Sussex</b>	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	69.7
<20	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	89.6
20-24	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	75.8
25-29	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	69.6
30+	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	58.9

SGLUSDE4 SGLUSDE4 SGLUSDE4 SGLUSDE4

**Notes:**

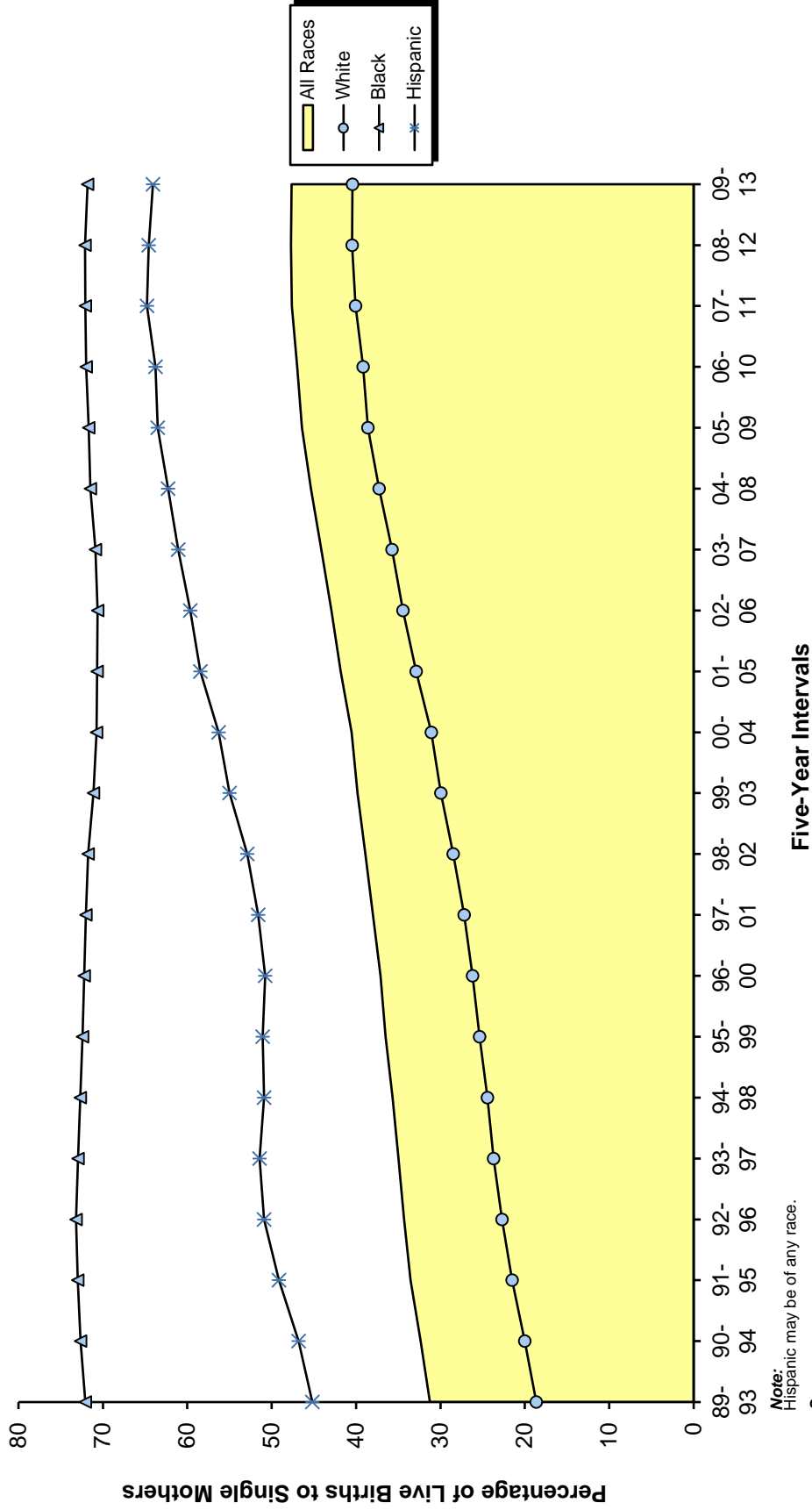
\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.  
 Percentages in this table should be interpreted with caution due to small numbers.

**Sources:**

National Center for Health Statistics  
 Delaware Health Statistics Center

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

**Delaware, 1989-2013**



**Note:**  
 Hispanic may be of any race.

**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, 2013

Area/ Birth Order	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10802	6	199	525	2431	3139	2984	1221	297	0
First	4269	6	180	416	1248	1199	909	247	64	0
Second	3543	0	17	91	776	1080	1066	411	102	0
Third	1736	0	2	17	280	535	546	292	64	0
Fourth+	1238	0	0	1	127	317	461	268	64	0
Unknown	16	0	0	0	0	8	2	3	3	0
<b>Kent</b>	2180	0	37	97	599	665	537	195	50	0
First	793	0	32	78	311	221	109	31	11	0
Second	722	0	4	17	190	243	198	53	17	0
Third	365	0	1	1	74	123	108	51	7	0
Fourth+	298	0	0	1	24	77	122	60	14	0
Unknown	2	0	0	0	0	1	0	0	1	0
<b>New Castle</b>	6444	4	113	278	1286	1812	1923	831	197	0
First	2643	4	101	211	692	740	659	192	44	0
Second	2115	0	11	54	397	608	682	300	63	0
Third	989	0	1	13	136	279	326	189	45	0
Fourth+	686	0	0	0	61	180	255	147	43	0
Unknown	11	0	0	0	0	5	1	3	2	0
Wilmington	1057	2	43	87	270	278	267	88	22	0
First	424	2	39	68	121	70	96	25	3	0
Second	292	0	3	16	86	97	58	24	8	0
Third	176	0	1	3	38	61	48	18	7	0
Fourth+	164	0	0	0	25	49	65	21	4	0
Unknown	1	0	0	0	0	1	0	0	0	0
Balance of NC County	5387	2	70	191	1016	1534	1656	743	175	0
First	2219	2	62	143	571	670	563	167	41	0
Second	1823	0	8	38	311	511	624	276	55	0
Third	813	0	0	10	98	218	278	171	38	0
Fourth+	522	0	0	0	36	131	190	126	39	0
Unknown	10	0	0	0	0	4	1	3	2	0
<b>Sussex</b>	2178	2	49	150	546	662	524	195	50	0
First	833	2	47	127	245	238	141	24	9	0
Second	706	0	2	20	189	229	186	58	22	0
Third	382	0	0	3	70	133	112	52	12	0
Fourth+	254	0	0	0	42	60	84	61	7	0
Unknown	3	0	0	0	0	2	1	0	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, 2013

Area/ Birth Order	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10802	100.0	7087	100.0	3049	100.0	652	100.0	1342	100.0
First	4269	39.5	2825	39.9	1105	36.2	333	51.1	380	28.3
Second	3543	32.8	2391	33.7	921	30.2	227	34.8	414	30.8
Third	1736	16.1	1142	16.1	532	17.4	59	9.0	306	22.8
Fourth+	1238	11.5	719	10.1	489	16.0	30	4.6	239	17.8
Unknown	16	0.1	10	0.1	2	0.1	3	0.5	3	0.2
<b>Kent</b>	2180	100.0	1440	100.0	648	100.0	90	100.0	184	100.0
First	793	36.4	533	37.0	222	34.3	37	41.1	70	38.0
Second	722	33.1	486	33.8	198	30.6	38	42.2	52	28.3
Third	365	16.7	241	16.7	113	17.4	11	12.2	37	20.1
Fourth+	298	13.7	179	12.4	115	17.7	4	4.4	25	13.6
Unknown	2	0.1	1	0.1	0	0.0	0	0.0	0	0.0
<b>New Castle</b>	6444	100.0	3953	100.0	1972	100.0	511	100.0	707	100.0
First	2643	41.0	1635	41.4	725	36.8	279	54.6	207	29.3
Second	2115	32.8	1338	33.8	605	30.7	170	33.3	221	31.3
Third	989	15.3	611	15.5	338	17.1	38	7.4	148	20.9
Fourth+	686	10.6	362	9.2	303	15.4	21	4.1	128	18.1
Unknown	11	0.2	7	0.2	1	0.1	3	0.6	3	0.4
Wilmington	1057	100.0	409	100.0	615	100.0	31	100.0	154	100.0
First	424	40.1	194	47.4	215	35.0	14	45.2	51	33.1
Second	292	27.6	108	26.4	177	28.8	7	22.6	45	29.2
Third	176	16.7	62	15.2	108	17.6	5	16.1	28	18.2
Fourth+	164	15.5	45	11.0	114	18.5	5	16.1	30	19.5
Unknown	1	0.1	0	0.0	1	0.2	0	0.0	0	0.0
Balance of NC County	5387	100.0	3544	100.0	1357	100.0	480	100.0	553	100.0
First	2219	41.2	1441	40.7	510	37.6	265	55.2	156	28.2
Second	1823	33.8	1230	34.7	428	31.5	163	34.0	176	31.8
Third	813	15.1	549	15.5	230	16.9	33	6.9	120	21.7
Fourth+	522	9.7	317	8.9	189	13.9	16	3.3	98	17.7
Unknown	10	0.2	7	0.2	0	0.0	3	0.6	3	0.5
<b>Sussex</b>	2178	100.0	1694	100.0	429	100.0	51	100.0	451	100.0
First	833	38.2	657	38.8	158	36.8	17	33.3	103	22.8
Second	706	32.4	567	33.5	118	27.5	19	37.3	141	31.3
Third	382	17.5	290	17.1	81	18.9	10	19.6	121	26.8
Fourth+	254	11.7	178	10.5	71	16.6	5	9.8	86	19.1
Unknown	3	0.1	2	0.1	1	0.2	0	0.0	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, 2013

Area/ Plurality	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10802	6	199	525	2431	3139	2984	1221	297	0
Single	10463	6	197	515	2363	3048	2888	1169	277	0
Plural	339	0	2	10	68	91	96	52	20	0
<b>Kent</b>	2180	0	37	97	599	665	537	195	50	0
Single	2109	0	37	95	579	645	524	185	44	0
Plural	71	0	0	2	20	20	13	10	6	0
<b>New Castle</b>	6444	4	113	278	1286	1812	1923	831	197	0
Single	6216	4	111	270	1244	1757	1850	797	183	0
Plural	228	0	2	8	42	55	73	34	14	0
Wilmington	1057	2	43	87	270	278	267	88	22	0
Single	1017	2	41	83	262	274	249	84	22	0
Plural	40	0	2	4	8	4	18	4	0	0
Balance of NC County	5387	2	70	191	1016	1534	1656	743	175	0
Single	5199	2	70	187	982	1483	1601	713	161	0
Plural	188	0	0	4	34	51	55	30	14	0
<b>Sussex</b>	2178	2	49	150	546	662	524	195	50	0
Single	2138	2	49	150	540	646	514	187	50	0
Plural	40	0	0	0	6	16	10	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, 2013

Area/ Plurality	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10802	100.0	7087	100.0	3049	100.0	652	100.0	1342	100.0
Single	10463	96.9	6876	97.0	2933	96.2	640	98.2	1322	98.5
Plural	339	3.1	211	3.0	116	3.8	12	1.8	20	1.5
<b>Kent</b>	2180	100.0	1440	100.0	648	100.0	90	100.0	184	100.0
Single	2109	96.7	1394	96.8	624	96.3	89	98.9	180	97.8
Plural	71	3.3	46	3.2	24	3.7	1	1.1	4	2.2
<b>New Castle</b>	6444	100.0	3953	100.0	1972	100.0	511	100.0	707	100.0
Single	6216	96.5	3814	96.5	1894	96.0	500	97.8	697	98.6
Plural	228	3.5	139	3.5	78	4.0	11	2.2	10	1.4
Wilmington	1057	100.0	409	100.0	615	100.0	31	100.0	154	100.0
Single	1017	96.2	389	95.1	595	96.7	31	100.0	154	100.0
Plural	40	3.8	20	4.9	20	3.3	0	0.0	0	0.0
Balance of NC County	5387	100.0	3544	100.0	1357	100.0	480	100.0	553	100.0
Single	5199	96.5	3425	96.6	1299	95.7	469	97.7	543	98.2
Plural	188	3.5	119	3.4	58	4.3	11	2.3	10	1.8
<b>Sussex</b>	2178	100.0	1694	100.0	429	100.0	51	100.0	451	100.0
Single	2138	98.2	1668	98.5	415	96.7	51	100.0	445	98.7
Plural	40	1.8	26	1.5	14	3.3	0	0.0	6	1.3

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, 2013

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	818	7.6	839	7.5	21	2.3
Kent General	1809	16.7	1863	16.6	54	5.8
Christiana Care	5566	51.5	6284	56.1	718	77.1
Milford Memorial	357	3.3	358	3.2	1	0.1
Nanticoke Memorial	831	7.7	855	7.6	24	2.6
St. Francis	669	6.2	711	6.3	42	4.5
Total	10050	93.0	10910	97.4	860	92.4
BIRTHING CENTER	133	1.2	199	1.8	66	7.1
HOME BIRTH	84	0.8	88	0.8	4	0.4
ENROUTE/OTHER	4	0.0	5	0.0	1	0.1
UNKNOWN	0	0.0	0	0.0	0	0.0
TOTAL	10271	95.1	11202	100.0	931	100.0
<b>OUT-OF-STATE</b>						
HOSPITAL						
Crozier Med. Center, PA	115	1.1	N/A		N/A	
Peninsula General, MD	91	0.8	N/A		N/A	
Riddle Memorial, PA	33	0.3	N/A		N/A	
Other Hospitals	285	2.6	N/A		N/A	
Total	524	4.9	N/A		N/A	
BIRTHING CENTER	3	0.0	N/A		N/A	
HOME BIRTH	0	0.0	N/A		N/A	
ENROUTE/OTHER	4	0.0	N/A		N/A	
UNKNOWN	0	0.0	N/A		N/A	
TOTAL	531	4.9	N/A		N/A	
<b>TOTAL</b>	<b>10802</b>	<b>100.0</b>	<b>11202</b>	<b>100.0</b>	<b>931</b>	<b>100.0</b>

PLACBRTH

**Notes:**

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

**Source:**

Delaware Health Statistics Center

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1994-2013

(ALL RACES)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	8.1
<20	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	9.5
20-24	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	8.3
25-29	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	7.3
30+	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	8.2
<b>Delaware</b>	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	8.5
<20	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	9.8
20-24	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	8.8
25-29	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	8.2
30+	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	8.4
<b>Kent</b>	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	8.5
<20	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	10.4
20-24	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	7.9
25-29	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	8.2
30+	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	8.8
<b>New Castle</b>	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	8.9
<20	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	10.1
20-24	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	9.8
25-29	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	8.5
30+	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	8.4
<b>Wilmington</b>	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	12.3
<20	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	13.2
20-24	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	14.1
25-29	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	11.4
30+	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	11.4
<b>Balance of NC County</b>	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	8.2
<20	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	8.7
20-24	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	8.7
25-29	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	8.0
30+	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	8.0
<b>Sussex</b>	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	7.6
<20	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	8.7
20-24	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	7.6
25-29	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	7.2
30+	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	7.7

FYALBW1

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

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, 1994-2013

(WHITE)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	N/A
<20	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	N/A
20-24	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	N/A
25-29	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	N/A
30+	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	N/A
<b>Delaware</b>	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	6.8
<20	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	7.3
20-24	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	6.7
25-29	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	6.5
30+	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	7.0
<b>Kent</b>	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	7.2
<20	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	7.3
20-24	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	6.2
25-29	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	7.3
30+	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	8.0
<b>New Castle</b>	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	6.8
<20	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	7.6
20-24	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	7.3
25-29	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	6.3
30+	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	6.8
Wilmington	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	8.3
<20	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	10.6
20-24	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	10.8
25-29	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	5.6
30+	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	8.4
Balance of NC County	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	6.6
<20	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	7.1
20-24	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	6.8
25-29	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	6.4
30+	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	6.6
<b>Sussex</b>	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	6.4
<20	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	6.8
20-24	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	6.1
25-29	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	6.0
30+	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	6.8

**Note:**

N/A indicates data not available.

FYALBW2

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1994-2013

(BLACK)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	N/A
<20	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	N/A
20-24	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	N/A
25-29	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	N/A
30+	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	N/A
<b>Delaware</b>	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	12.9
<20	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	13.2
20-24	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	12.5
25-29	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	13.0
30+	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	13.0
<b>Kent</b>	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	11.5
<20	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	14.3
20-24	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	11.5
25-29	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	10.5
30+	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	11.1
<b>New Castle</b>	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	13.4
<20	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	12.7
20-24	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	13.0
25-29	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	13.8
30+	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	13.6
<b>Wilmington</b>	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	15.1
<20	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	14.0
20-24	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	15.3
25-29	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	15.3
30+	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	15.3
<b>Balance of NC County</b>	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	12.6
<20	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	11.6
20-24	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	11.8
25-29	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	13.1
30+	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	13.0
<b>Sussex</b>	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	12.5
<20	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	13.8
20-24	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	11.9
25-29	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	13.2
30+	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	12.0

**Note:**

N/A indicates data not available.

**Sources:**

National Center for Health Statistics  
 Delaware Health Statistics Center

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1994-2013

(HISPANIC ORIGIN\*)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	7.0
<20	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	7.9
20-24	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	6.6
25-29	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	6.3
30+	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	7.5
<b>Delaware</b>	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	6.5
<20	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	7.3
20-24	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	5.5
25-29	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	5.8
30+	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	7.9
<b>Kent</b>	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	7.3
<20	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	7.9
20-24	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	6.4
25-29	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	8.5
30+	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	6.8
<b>New Castle</b>	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	7.4
<20	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	8.6
20-24	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	6.0
25-29	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	6.1
30+	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	9.3
<b>Wilmington</b>	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	9.2
<20	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	9.8
20-24	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	8.9
25-29	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	6.6
30+	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	12.5
<b>Balance of NC County</b>	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	6.9
<20	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	8.2
20-24	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	5.2
25-29	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	5.9
30+	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	8.7
<b>Sussex</b>	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	4.9
<20	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	4.1
20-24	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	4.4
25-29	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	4.4
30+	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	7.2	6.0	6.0

**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.

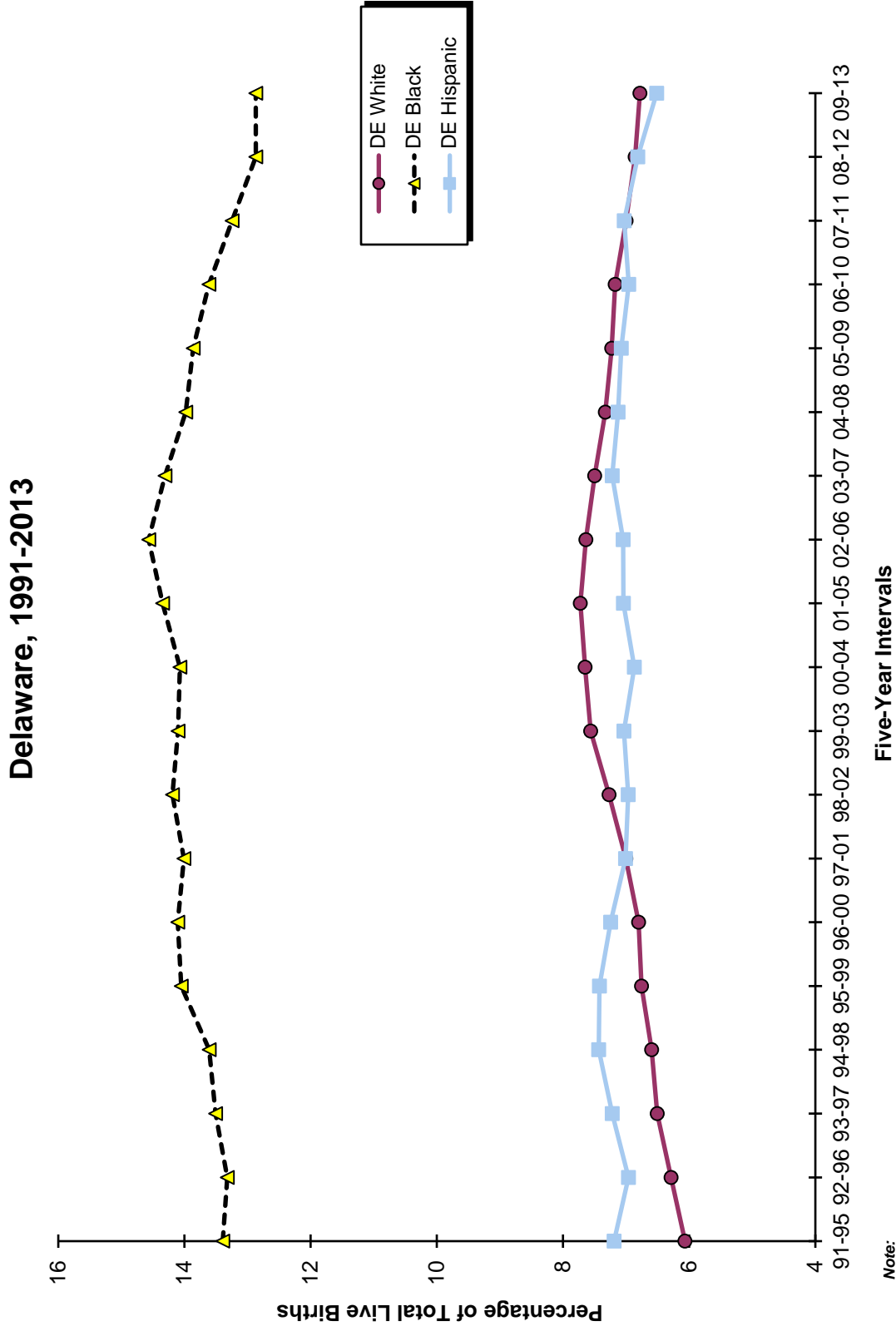
**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

4

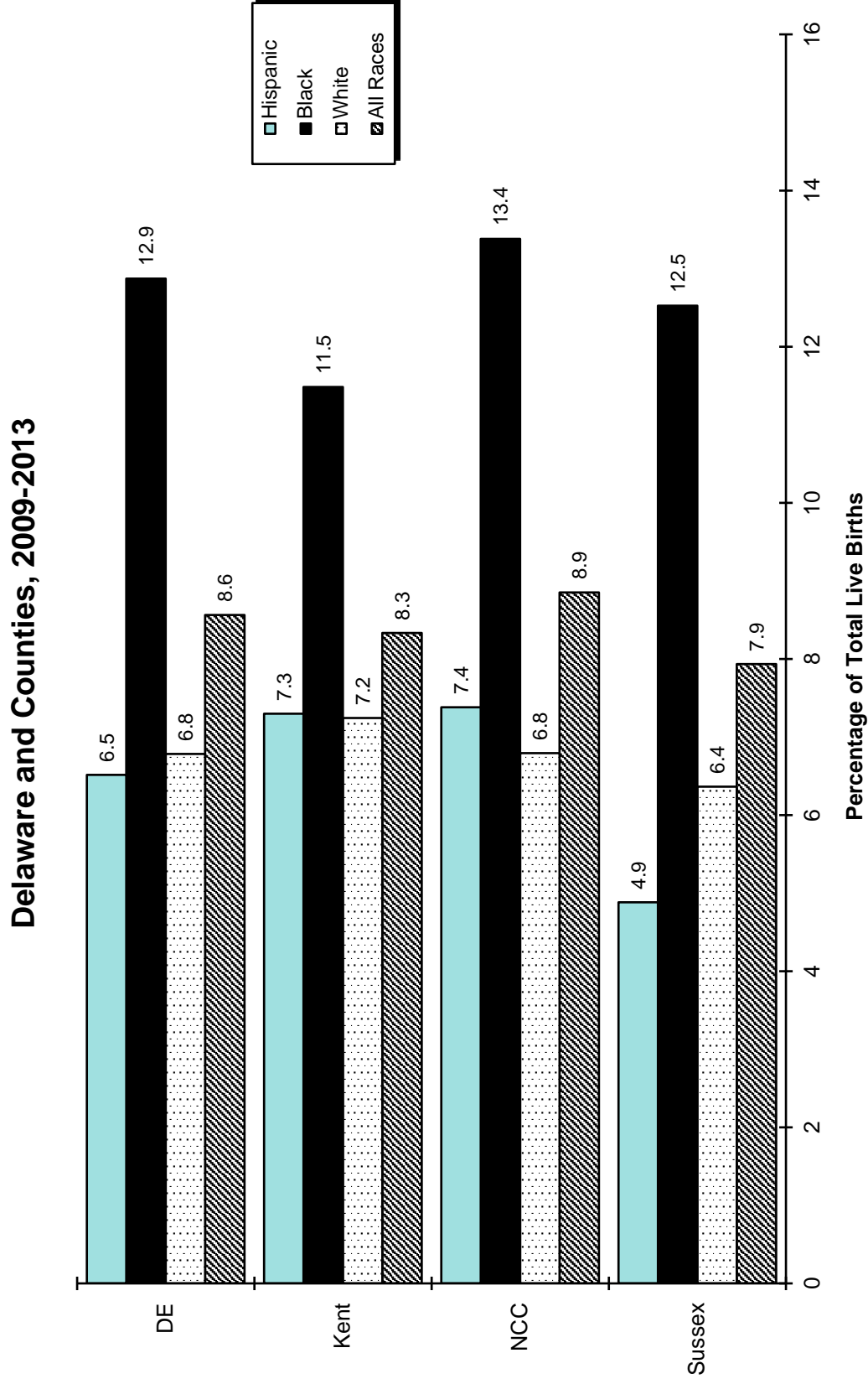
FYALBW4

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



**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\***



**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, 1994-2013

(ALL RACES)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	1.4
<20	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	1.7
20-24	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
25-29	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	1.3
30+	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	1.5
<b>Delaware</b>	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	1.8
<20	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	2.2
20-24	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	1.7
25-29	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	1.6
30+	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	1.8
<b>Kent</b>	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	1.5
<20	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	1.8
20-24	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	1.4
25-29	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	1.2
30+	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	1.7
<b>New Castle</b>	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	2.0
<20	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	2.3
20-24	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	2.0
25-29	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	2.0
30+	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	1.9
Wilmington	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	2.8
<20	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	2.2
20-24	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	2.9
25-29	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	2.7
30+	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	3.1
Balance of NC County	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	1.8
<20	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	2.3
20-24	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	1.8
25-29	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	1.9
30+	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	1.8
<b>Sussex</b>	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	1.4
<20	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	2.2
20-24	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	1.5
25-29	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	1.1
30+	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	1.5

FYAVLBW1

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



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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1994-2013

(WHITE)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	N/A
<20	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	N/A
20-24	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	N/A
25-29	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	N/A
30+	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	N/A
<b>Delaware</b>	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	1.2
<20	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	1.4
20-24	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	1.1
25-29	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	1.1
30+	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	1.2
<b>Kent</b>	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	1.1
<20	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	0.6
20-24	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	1.1
25-29	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	1.2
30+	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	1.1
<b>New Castle</b>	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	1.2
<20	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	1.4
20-24	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	1.1
25-29	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	1.2
30+	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	1.3
Wilmington	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	1.6
<20	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	1.1
20-24	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	1.2
25-29	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	0.9
30+	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	2.3
Balance of NC County	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	1.2
<20	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	1.5
20-24	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	1.1
25-29	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	1.2
30+	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	1.2
<b>Sussex</b>	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	1.1
<20	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	1.8
20-24	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	1.0
25-29	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	0.8
30+	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	1.2

FYAVLBW2

**Note:**

N/A indicates data not available.

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

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

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1994-2013

(BLACK)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	N/A
<20	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	N/A
20-24	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	N/A
25-29	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	N/A
30+	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	N/A
<b>Delaware</b>	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	3.3
<20	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	3.2
20-24	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	2.9
25-29	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	3.1
30+	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	3.8
<b>Kent</b>	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	2.3
<20	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	3.3
20-24	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	2.1
25-29	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	1.2
30+	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	3.3
<b>New Castle</b>	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	3.6
<20	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	3.2
20-24	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	3.2
25-29	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	3.8
30+	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	4.0
Wilmington	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	3.6
<20	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	2.7
20-24	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	3.5
25-29	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	3.8
30+	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	4.1
Balance of NC County	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	3.7
<20	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	3.6
20-24	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	3.0
25-29	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	3.9
30+	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	4.0
<b>Sussex</b>	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	2.9
<20	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	3.1
20-24	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	2.8
25-29	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	2.6
30+	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	3.4

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, 1994-2013

(HISPANIC ORIGIN\*)

Area/ Age	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	2009 -2013
<b>U.S.</b>	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	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	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	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	1.1	1.1	1.0	1.0	1.0
30+	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
<b>Delaware</b>	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	1.3
<20	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	1.5
20-24	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	0.9
25-29	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	1.1
30+	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	1.7
<b>Kent</b>	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	1.5
<20	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	0.0
20-24	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	1.7
25-29	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	1.6
30+	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	1.8
<b>New Castle</b>	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	1.6
<20	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	2.1
20-24	1.5	1.6	1.5	1.3	1.3	1.1	1.0	1.0	1.0	1.1	1.0	1.1	0.9	0.9	0.8	0.9
25-29	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	1.6
30+	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	2.2
Wilmington	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	1.9
<20	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	1.5
20-24	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	1.7
25-29	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	1.3
30+	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	3.3
Balance of NC County	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	1.6
<20	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	2.3
20-24	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	0.6
25-29	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	1.7
30+	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	2.0
<b>Sussex</b>	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	0.7
<20	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	0.9
20-24	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	0.7
25-29	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	0.3
30+	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	1.0

FYAVLBW4

**Notes:**

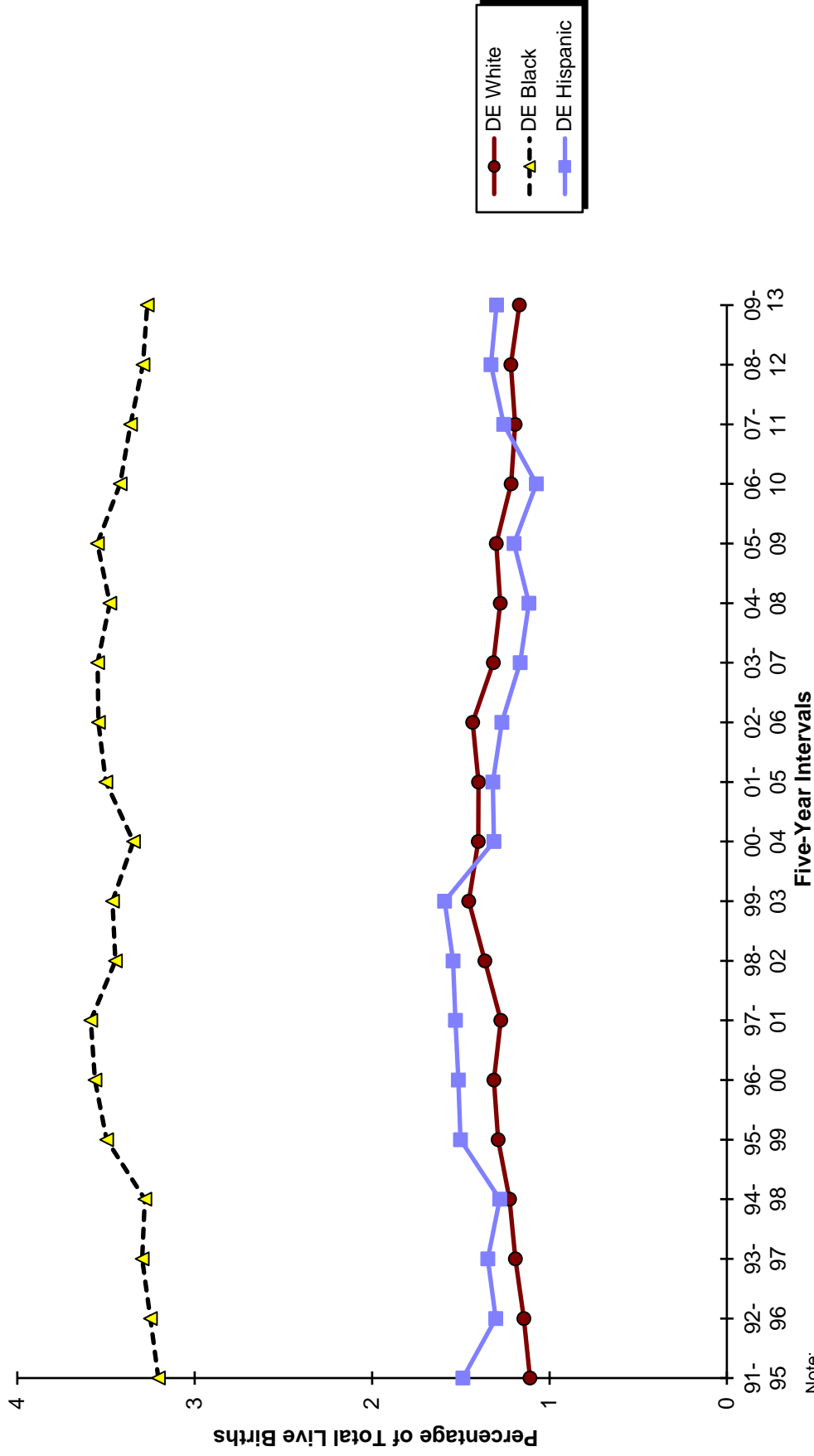
\*Mothers of Hispanic origin may be of any race. See Hispanic Origin and Race in the Technical Notes.  
Percentages in this table should be interpreted with caution due to small numbers.

**Sources:**

National Center for Health Statistics  
Delaware Health Statistics Center

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

**Delaware, 1991-2013**

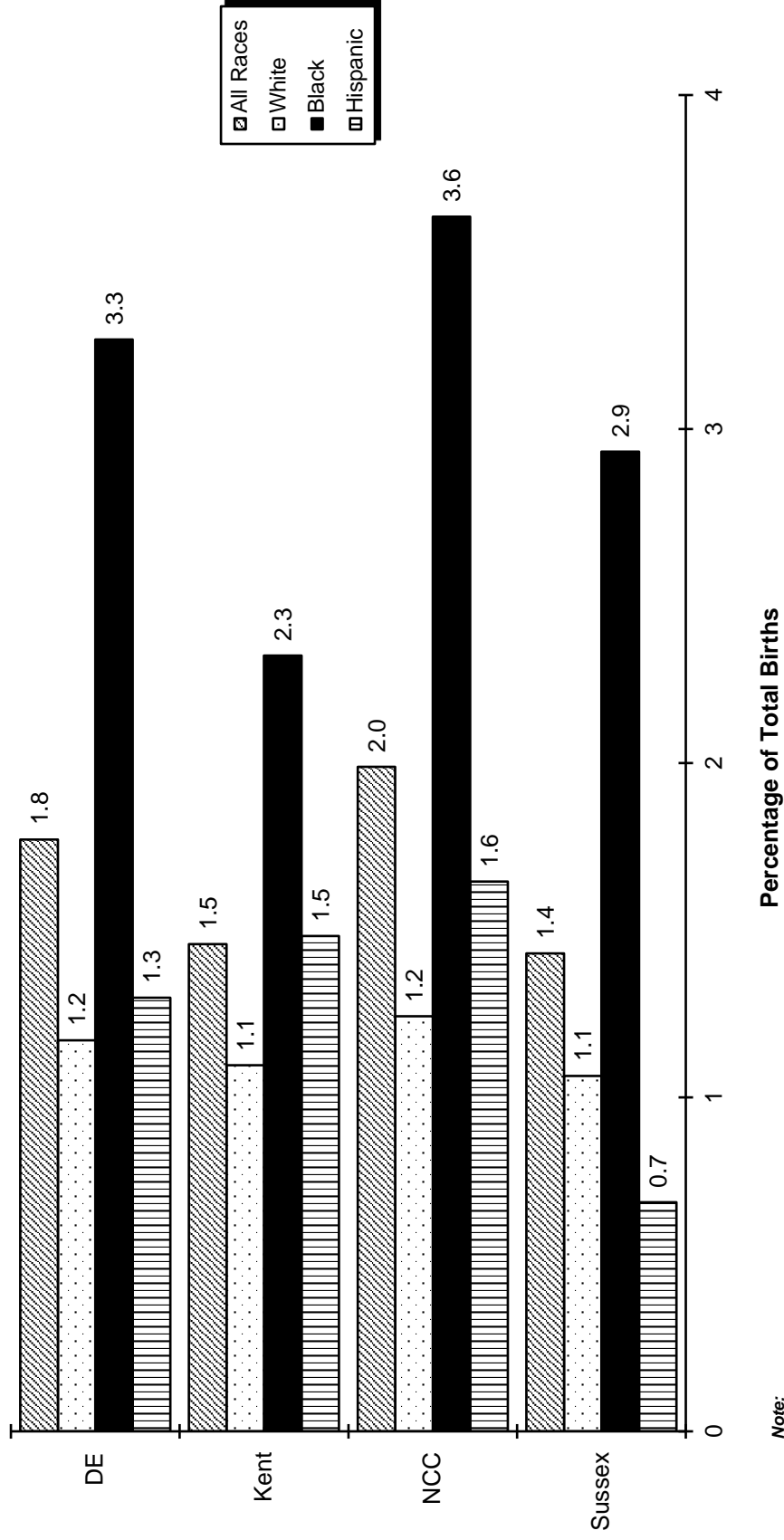


Note:  
 \*Hispanic may be of any race.

Source:  
 Delaware Health Statistics Center

**Figure C-14**  
**Five-Year Average Percentage of**  
**Very Low Birthweight Births (<1500 Grams) by Race**

**Delaware and Counties, 2009-2013**



**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, 2013

Area/ Birthweight	Age									
	Total	<15	15-17	18-19	20-24	25-29	30-34	35-39	40+	Unknown
<b>Delaware</b>	10802	6	199	525	2431	3139	2984	1221	297	0
<2500	904	1	16	49	216	269	217	105	31	0
<1500	188	0	2	10	44	50	52	25	5	0
<500	24	0	0	1	3	8	7	4	1	0
500-749	44	0	0	4	11	8	13	8	0	0
750-999	34	0	0	3	6	11	11	2	1	0
1000-1499	86	0	2	2	24	23	21	11	3	0
1500-1999	164	0	3	8	34	47	40	22	10	0
2000-2499	552	1	11	31	138	172	125	58	16	0
2500+	9893	5	183	476	2215	2868	2766	1115	265	0
Unknown	5	0	0	0	0	2	1	1	1	0
<b>Kent</b>	2180	0	37	97	599	665	537	195	50	0
<2500	192	0	4	8	53	61	38	20	8	0
<1500	35	0	0	2	12	7	9	5	0	0
<500	0	0	0	0	0	0	0	0	0	0
500-749	7	0	0	1	1	1	3	1	0	0
750-999	8	0	0	0	1	4	2	1	0	0
1000-1499	20	0	0	1	10	2	4	3	0	0
1500-1999	37	0	2	0	9	10	10	4	2	0
2000-2499	120	0	2	6	32	44	19	11	6	0
2500+	1987	0	33	89	546	604	499	175	41	0
Unknown	1	0	0	0	0	0	0	0	1	0
<b>New Castle</b>	6444	4	113	278	1286	1812	1923	831	197	0
<2500	578	1	10	35	132	155	154	70	21	0
<1500	125	0	1	7	29	28	38	18	4	0
<500	22	0	0	1	3	6	7	4	1	0
500-749	29	0	0	2	9	4	8	6	0	0
750-999	20	0	0	3	5	3	7	1	1	0
1000-1499	54	0	1	1	12	15	16	7	2	0
1500-1999	108	0	1	8	19	32	24	16	8	0
2000-2499	345	1	8	20	84	95	92	36	9	0
2500+	5863	3	103	243	1154	1655	1769	760	176	0
Unknown	3	0	0	0	0	2	0	1	0	0
<b>Wilmington</b>	1057	2	43	87	270	278	267	88	22	0
<2500	142	1	8	20	42	27	35	6	3	0
<1500	24	0	0	4	7	4	8	0	1	0
<500	6	0	0	1	1	2	2	0	0	0
500-749	5	0	0	0	1	1	3	0	0	0
750-999	5	0	0	2	2	0	1	0	0	0
1000-1499	8	0	0	1	3	1	2	0	1	0
1500-1999	26	0	1	4	10	4	5	1	1	0
2000-2499	92	1	7	12	25	19	22	5	1	0
2500+	915	1	35	67	228	251	232	82	19	0
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Balance of NC County</b>	5387	2	70	191	1016	1534	1656	743	175	0
<2500	436	0	2	15	90	128	119	64	18	0
<1500	101	0	1	3	22	24	30	18	3	0
<500	16	0	0	0	2	4	5	4	1	0
500-749	24	0	0	2	8	3	5	6	0	0
750-999	15	0	0	1	3	3	6	1	1	0
1000-1499	46	0	1	0	9	14	14	7	1	0
1500-1999	82	0	0	4	9	28	19	15	7	0
2000-2499	253	0	1	8	59	76	70	31	8	0
2500+	4948	2	68	176	926	1404	1537	678	157	0
Unknown	3	0	0	0	0	2	0	1	0	0
<b>Sussex</b>	2178	2	49	150	546	662	524	195	50	0
<2500	134	0	2	6	31	53	25	15	2	0
<1500	28	0	1	1	3	15	5	2	1	0
<500	2	0	0	0	0	2	0	0	0	0
500-749	8	0	0	1	1	3	2	1	0	0
750-999	6	0	0	0	0	4	2	0	0	0
1000-1499	12	0	1	0	2	6	1	1	1	0
1500-1999	19	0	0	0	6	5	6	2	0	0
2000-2499	87	0	1	5	22	33	14	11	1	0
2500+	2043	2	47	144	515	609	498	180	48	0
Unknown	1	0	0	0	0	0	1	0	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, 2013

Area/ Birthweight	Race				Hispanic Origin*
	All Races	White	Black	Other	
<b>Delaware</b>	10802	7087	3049	652	1342
<2500	904	459	388	53	75
<1500	188	79	98	9	12
<500	24	5	17	1	2
500-749	44	17	26	1	1
750-999	34	13	19	2	1
1000-1499	86	44	36	5	8
1500-1999	164	90	65	9	17
2000-2499	552	290	225	35	46
2500+	9893	6626	2660	598	1267
Unknown	5	2	1	1	0
<b>Kent</b>	2180	1440	648	90	184
<2500	192	108	77	7	11
<1500	35	17	18	0	2
<500	0	0	0	0	0
500-749	7	3	4	0	0
750-999	8	5	3	0	0
1000-1499	20	9	11	0	2
1500-1999	37	19	16	2	5
2000-2499	120	72	43	5	4
2500+	1987	1332	571	83	173
Unknown	1	0	0	0	0
<b>New Castle</b>	6444	3953	1972	511	707
<2500	578	269	268	38	48
<1500	125	43	72	8	8
<500	22	3	17	1	0
500-749	29	9	19	1	1
750-999	20	5	13	2	1
1000-1499	54	26	23	4	6
1500-1999	108	58	43	7	11
2000-2499	345	168	153	23	29
2500+	5863	3682	1704	472	659
Unknown	3	2	0	1	0
<b>Wilmington</b>	1057	409	615	31	154
<2500	142	35	105	1	10
<1500	24	5	18	0	1
<500	6	0	5	0	0
500-749	5	2	3	0	0
750-999	5	1	4	0	0
1000-1499	8	2	6	0	1
1500-1999	26	8	18	0	2
2000-2499	92	22	69	1	7
2500+	915	374	510	30	144
Unknown	0	0	0	0	0
<b>Balance of NC County</b>	5387	3544	1357	480	553
<2500	436	234	163	37	38
<1500	101	38	54	8	7
<500	16	3	12	1	0
500-749	24	7	16	1	1
750-999	15	4	9	2	1
1000-1499	46	24	17	4	5
1500-1999	82	50	25	7	9
2000-2499	253	146	84	22	22
2500+	4948	3308	1194	442	515
Unknown	3	2	0	1	0
<b>Sussex</b>	2178	1694	429	51	451
<2500	134	82	43	8	16
<1500	28	19	8	1	2
<500	2	2	0	0	2
500-749	8	5	3	0	0
750-999	6	3	3	0	0
1000-1499	12	9	2	1	0
1500-1999	19	13	6	0	1
2000-2499	87	50	29	7	13
2500+	2043	1612	385	43	435
Unknown	1	0	1	0	0

RACEBRWT

**Notes:**

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE, 2013

Race-Origin/ Weeks	Age							
	Total	<20	20-24	25-29	30-34	35-39	40+	Unknown
<b>All Races</b>	10802	730	2431	3139	2984	1221	297	0
<20 Weeks	9	1	0	2	3	3	0	0
20-27 Weeks	82	5	20	19	23	13	2	0
28-31 Weeks	161	13	36	36	47	19	10	0
32-35 Weeks	612	51	140	186	148	64	23	0
36 Weeks	431	34	96	115	119	56	11	0
37-39 Weeks	5580	341	1160	1586	1595	724	174	0
40 Weeks	2189	150	499	669	614	211	46	0
41 Weeks	1028	78	271	302	280	80	17	0
42+ Weeks	703	57	207	222	153	51	13	0
Unknown	7	0	2	2	2	0	1	0
<b>White</b>	7087	389	1433	2086	2129	847	203	0
<20 Weeks	2	0	0	1	0	1	0	0
20-27 Weeks	31	0	7	9	9	5	1	0
28-31 Weeks	81	4	16	17	26	12	6	0
32-35 Weeks	379	26	75	115	102	47	14	0
36 Weeks	271	17	50	72	84	42	6	0
37-39 Weeks	3568	178	647	1026	1110	485	122	0
40 Weeks	1498	80	300	468	462	156	32	0
41 Weeks	748	48	190	219	216	62	13	0
42+ Weeks	505	36	146	158	119	37	9	0
Unknown	4	0	2	1	1	0	0	0
<b>Black</b>	3049	323	916	838	615	286	71	0
<20 Weeks	7	1	0	1	3	2	0	0
20-27 Weeks	49	5	13	9	13	8	1	0
28-31 Weeks	68	8	19	15	18	6	2	0
32-35 Weeks	206	25	60	59	38	15	9	0
36 Weeks	142	14	41	39	31	14	3	0
37-39 Weeks	1643	154	469	452	348	179	41	0
40 Weeks	552	67	185	150	102	39	9	0
41 Weeks	214	28	75	62	35	11	3	0
42+ Weeks	167	21	54	51	26	12	3	0
Unknown	1	0	0	0	1	0	0	0
<b>Other</b>	652	17	75	214	237	87	22	0
<20 Weeks	0	0	0	0	0	0	0	0
20-27 Weeks	1	0	0	0	1	0	0	0
28-31 Weeks	11	1	1	4	2	1	2	0
32-35 Weeks	27	0	5	12	8	2	0	0
36 Weeks	18	3	5	4	4	0	2	0
37-39 Weeks	360	8	39	108	135	59	11	0
40 Weeks	138	3	13	51	50	16	5	0
41 Weeks	65	2	5	21	29	7	1	0
42+ Weeks	31	0	7	13	8	2	1	0
Unknown	1	0	0	1	0	0	0	0
<b>Hispanic Origin*</b>	1342	148	334	401	301	126	32	0
<20 Weeks	0	0	0	0	0	0	0	0
20-27 Weeks	5	0	0	2	1	2	0	0
28-31 Weeks	16	2	3	6	0	4	1	0
32-35 Weeks	81	12	15	19	26	7	2	0
36 Weeks	51	9	13	12	6	10	1	0
37-39 Weeks	731	77	168	212	178	73	23	0
40 Weeks	258	20	78	84	55	16	5	0
41 Weeks	103	17	31	32	17	6	0	0
42+ Weeks	97	11	26	34	18	8	0	0
Unknown	0	0	0	0	0	0	0	0

**Notes:**

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

**Source:**

Delaware Health Statistics Center

NGESRCAG



TABLE C-34  
NUMBER OF LIVE BIRTHS BY RACE AND HISPANIC ORIGIN OF MOTHER, BIRTHWEIGHT AND WEEKS OF GESTATION  
DELAWARE, 2013

Race-Origin/ Birthweight	Weeks of Gestation									
	Total	Preterm				Term			Postterm	Unknown
		<28 Weeks	28-31 Weeks	32-35 Weeks	36 Weeks	37-39 Weeks	40 Weeks	41 Weeks	42+ Weeks	
<b>All Races</b>	10802	91	161	612	431	5580	2189	1028	703	7
<500	24	24	0	0	0	0	0	0	0	0
500-999	78	58	14	1	0	2	0	0	3	0
1000-1499	86	5	59	17	1	2	1	0	1	0
1500-1999	164	0	33	86	19	22	1	1	2	0
2000-2499	552	0	13	183	84	217	29	12	14	0
2500-2999	1909	4	18	167	159	1165	218	81	96	1
3000-3499	4088	0	14	103	103	2335	869	389	274	1
3500-3999	2949	0	10	41	53	1412	793	409	230	1
4000-4499	805	0	0	7	8	371	236	118	65	0
4500+	142	0	0	7	4	54	42	18	17	0
Unknown	5	0	0	0	0	0	0	0	1	4
<b>White</b>	7087	33	81	379	271	3568	1498	748	505	4
<500	5	5	0	0	0	0	0	0	0	0
500-999	30	23	4	0	0	2	0	0	1	0
1000-1499	44	3	28	10	1	2	0	0	0	0
1500-1999	90	0	19	51	7	13	0	0	0	0
2000-2499	290	0	8	102	49	106	8	7	10	0
2500-2999	1071	2	6	108	98	620	127	45	64	1
3000-3499	2628	0	7	70	67	1474	556	269	184	1
3500-3999	2159	0	9	29	42	1015	575	311	177	1
4000-4499	650	0	0	3	5	292	195	102	53	0
4500+	118	0	0	6	2	44	37	14	15	0
Unknown	2	0	0	0	0	0	0	0	1	1
<b>Black</b>	3049	56	68	206	142	1643	552	214	167	1
<500	17	17	0	0	0	0	0	0	0	0
500-999	45	35	9	0	0	0	0	0	1	0
1000-1499	36	2	27	5	0	0	1	0	1	0
1500-1999	65	0	11	32	10	8	1	1	2	0
2000-2499	225	0	3	72	27	95	20	4	4	0
2500-2999	712	2	10	53	58	454	77	29	29	0
3000-3499	1176	0	7	28	34	693	247	93	74	0
3500-3999	627	0	1	11	8	321	166	73	47	0
4000-4499	126	0	0	4	3	64	35	12	8	0
4500+	19	0	0	1	2	8	5	2	1	0
Unknown	1	0	0	0	0	0	0	0	0	1
<b>Other</b>	652	1	11	27	18	360	138	65	31	1
<500	1	1	0	0	0	0	0	0	0	0
500-999	3	0	1	1	0	0	0	0	1	0
1000-1499	5	0	3	2	0	0	0	0	0	0
1500-1999	9	0	3	3	2	1	0	0	0	0
2000-2499	35	0	2	9	8	15	0	1	0	0
2500-2999	124	0	2	6	3	89	14	7	3	0
3000-3499	280	0	0	5	2	164	66	27	16	0
3500-3999	160	0	0	1	3	74	52	24	6	0
4000-4499	29	0	0	0	0	15	6	4	4	0
4500+	5	0	0	0	0	2	0	2	1	0
Unknown	1	0	0	0	0	0	0	0	0	1
<b>Hispanic Origin*</b>	1342	5	16	81	51	731	258	103	97	0
<500	2	2	0	0	0	0	0	0	0	0
500-999	2	2	0	0	0	0	0	0	0	0
1000-1499	8	1	6	1	0	0	0	0	0	0
1500-1999	17	0	2	14	1	0	0	0	0	0
2000-2499	46	0	1	16	4	19	3	0	3	0
2500-2999	252	0	2	19	20	157	37	8	9	0
3000-3499	536	0	2	17	11	324	96	46	40	0
3500-3999	372	0	3	9	14	181	97	39	29	0
4000-4499	93	0	0	1	1	47	23	9	12	0
4500+	14	0	0	4	0	3	2	1	4	0
Unknown	0	0	0	0	0	0	0	0	0	0

GESTWGT

**Notes:**

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE, 2013

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>	10802	100.0	5186	48.0	4966	46.0	200	1.9	339	3.1	109	1.0
<20	730	100.0	576	78.9	127	17.4	8	1.1	15	2.1	4	0.5
20-24	2431	100.0	1613	66.4	666	27.4	44	1.8	93	3.8	15	0.6
25-29	3139	100.0	1559	49.7	1370	43.6	54	1.7	115	3.7	39	1.2
30-34	2984	100.0	985	33.0	1818	60.9	57	1.9	90	3.0	34	1.1
35+	1518	100.0	453	29.8	985	64.9	37	2.4	26	1.7	17	1.1
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>White</b>	7087	100.0	2962	41.8	3642	51.4	148	2.08833	261	3.7	72	1.0
<20	389	100.0	303	77.9	69	17.7	6	1.5	10	2.6	1	0.3
20-24	1433	100.0	868	60.6	443	30.9	36	2.5	76	5.3	10	0.7
25-29	2086	100.0	908	43.5	1014	48.6	40	1.9	92	4.4	30	1.4
30-34	2129	100.0	606	28.5	1393	65.4	41	1.9	69	3.2	20	0.9
35+	1050	100.0	277	26.4	723	68.9	25	2.4	14	1.3	11	1.0
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Black</b>	3049	100.0	2002	65.7	920	30.2	40	1.3	60	2.0	27	0.9
<20	323	100.0	258	79.9	55	17.0	2	0.6	5	1.5	3	0.9
20-24	916	100.0	699	76.3	192	21.0	8	0.9	12	1.3	5	0.5
25-29	838	100.0	576	68.7	228	27.2	11	1.3	17	2.0	6	0.7
30-34	615	100.0	319	51.9	256	41.6	13	2.1	17	2.8	10	1.6
35+	357	100.0	150	42.0	189	52.9	6	1.7	9	2.5	3	0.8
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Other</b>	652	100.0	213	32.7	401	61.5	12	1.8	18	2.8	8	1.2
<20	17	100.0	14	82.4	3	17.6	0	0.0	0	0.0	0	0.0
20-24	75	100.0	41	54.7	29	38.7	0	0.0	5	6.7	0	0.0
25-29	214	100.0	74	34.6	128	59.8	3	1.4	6	2.8	3	1.4
30-34	237	100.0	58	24.5	168	70.9	3	1.3	4	1.7	4	1.7
35+	109	100.0	26	23.9	73	67.0	6	5.5	3	2.8	1	0.9
Unknown	0	...	0	...	0	...	0	...	0	...	0	...
<b>Hispanic Origin*</b>	1342	100.0	1064	79.3	214	15.9	25	1.9	34	2.5	5	0.4
<20	148	100.0	130	87.8	12	8.1	5	3.4	1	0.7	0	0.0
20-24	334	100.0	270	80.8	42	12.6	5	1.5	17	5.1	0	0.0
25-29	401	100.0	310	77.3	72	18.0	8	2.0	8	2.0	3	0.7
30-34	301	100.0	240	79.7	49	16.3	4	1.3	7	2.3	1	0.3
35+	158	100.0	114	72.2	39	24.7	3	1.9	1	0.6	1	0.6
Unknown	0	...	0	...	0	...	0	...	0	...	0	...

PSOPRCAG

**Notes:**

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

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE, 2013

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>	10802	100.0	5186	48.0	4966	46.0	200	1.9	339	3.1	109	1.0
Married	5649	100.0	1365	24.2	3774	66.8	152	2.7	283	5.0	73	1.3
Single	5153	100.0	3821	74.2	1192	23.1	48	0.9	56	1.1	36	0.7
<b>White</b>	7087	100.0	2962	41.8	3642	51.4	148	2.1	261	3.7	72	1.0
Married	4219	100.0	884	21.0	2942	69.7	118	2.8	227	5.4	46	1.1
Single	2868	100.0	2078	72.5	700	24.4	30	1.0	34	1.2	26	0.9
<b>Black</b>	3049	100.0	2002	65.7	920	30.2	40	1.3	60	2.0	27	0.9
Married	881	100.0	349	39.6	453	51.4	23	2.6	38	4.3	18	2.0
Single	2168	100.0	1653	76.2	467	21.5	17	0.8	22	1.0	9	0.4
<b>Other</b>	652	100.0	213	32.7	401	61.5	12	1.8	18	2.8	8	1.2
Married	541	100.0	129	23.8	376	69.5	11	2.0	18	3.3	7	1.3
Single	111	100.0	84	75.7	25	22.5	1	0.9	0	0.0	1	0.9
<b>Hispanic Origin*</b>	1342	100.0	1064	79.3	214	15.9	25	1.9	34	2.5	5	0.4
Married	501	100.0	324	64.7	132	26.3	12	2.4	29	5.8	4	0.8
Single	841	100.0	740	88.0	82	9.8	13	1.5	5	0.6	1	0.1

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, 2013

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>	10802	100.0	5186	100.0	4966	100.0	200	100.0	339	100.0	109	100.0
Vaginal	7396	68.5	3603	69.5	3316	66.8	155	77.5	249	73.5	71	65.1
C-section	3403	31.5	1583	30.5	1650	33.2	45	22.5	90	26.5	35	32.1
Unknown	3	0.0	0	0.0	0	0.0	0	0.0	0	0.0	3	2.8
<b>White</b>	7087	100.0	2962	100.0	3642	100.0	148	100.0	261	100.0	72	100.0
Vaginal	4921	69.4	2107	71.1	2455	67.4	121	81.8	191	73.2	45	62.5
C-section	2165	30.5	855	28.9	1187	32.6	27	18.2	70	26.8	26	36.1
Unknown	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.4
<b>Black</b>	3049	100.0	2002	100.0	920	100.0	40	100.0	60	100.0	27	100.0
Vaginal	2020	66.3	1342	67.0	589	64.0	25	62.5	45	75.0	19	70.4
C-section	1028	33.7	660	33.0	331	36.0	15	37.5	15	25.0	7	25.9
Unknown	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	3.7
<b>Other</b>	652	100.0	213	100.0	401	100.0	12	100.0	18	100.0	8	100.0
Vaginal	447	68.6	149	70.0	270	67.3	9	75.0	13	72.2	6	75.0
C-section	204	31.3	64	30.0	131	32.7	3	25.0	5	27.8	1	12.5
Unknown	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	1	12.5
<b>Hispanic Origin*</b>	1342	100.0	1064	100.0	214	100.0	25	100.0	34	100.0	5	100.0
Vaginal	961	71.6	779	73.2	135	63.1	20	80.0	25	73.5	2	40.0
C-section	381	28.4	285	26.8	79	36.9	5	20.0	9	26.5	3	60.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0

PSOPRCMD

**Notes:**

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

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE, 2013

Method of Delivery	Number
<b>Total</b>	10802
<b>Vaginal</b>	7397
<b>C-Section</b>	3403
Primary C-Section	1864
Repeat C-Section	1539
<b>Unknown</b>	2

**Source:** METHOD1  
Delaware Health Statistics Center

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

DELAWARE, 2013

Birth weight	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10802	100.0	7396	68.5	3403	31.5	3	0.0
<2500	904	100.0	515	57.0	389	43.0	0	0.0
<1500	188	100.0	97	51.6	91	48.4	0	0.0
1500-2499	716	100.0	418	58.4	298	41.6	0	0.0
2500+	9893	100.0	6879	69.5	3014	30.5	0	0.0
Unknown	5	100.0	2	40.0	0	0.0	3	60.0

**Notes:** METHOD2  
1. Percentages may not add to 100% due to rounding.  
2. Percentages are calculated based upon the total number of live births in each birth weight category.

**Source:**  
Delaware Health Statistics Center

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

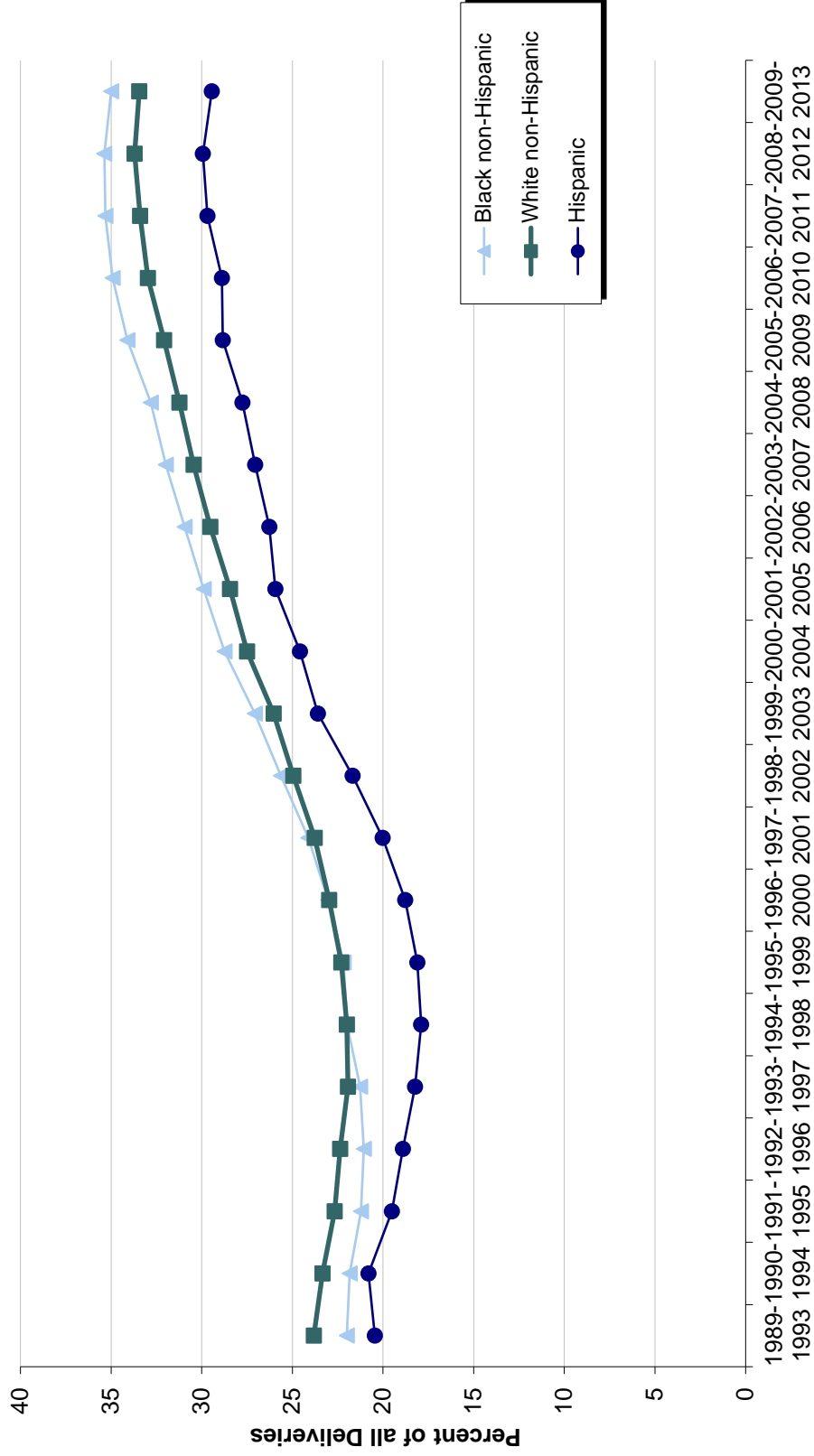
DELAWARE, 2013

Age	Method of Delivery							
	Total		Vaginal		C-Section		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10802	100.0	7396	68.5	3403	31.5	3	0.0
<20	730	100.0	591	81.0	139	19.0	0	0.0
20-24	2431	100.0	1774	73.0	657	27.0	0	0.0
25-29	3139	100.0	2181	69.5	956	30.5	2	0.1
30-34	2984	100.0	1967	65.9	1016	34.0	1	0.0
35+	1518	100.0	883	58.2	635	41.8	0	0.0
Unknown	0	...	0	...	0	...	0	...

**Notes:** METHOD3  
1. Percentages may not add to 100% due to rounding.  
2. Percentages are calculated based upon the total number of live births in each age category.  
...Indicates percentage is not calculated because the denominator is zero.

**Source:**  
Delaware Health Statistics Center

**Figure C-15**  
**Five-year Percent Births by Cesarean Section Delivery by Race and Ethnicity**  
**Delaware, 1989-2013**



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, 2013

Area/ Tobacco Use	Race								Hispanic Origin*	
	All Races		White		Black		Other		Number	Percent
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
<b>Delaware</b>	10802	100.0	7087	100.0	3049	100.0	652	100.0	1342	100.0
Yes	1219	11.3	903	12.7	299	9.8	16	2.5	40	3.0
No	9531	88.2	6155	86.8	2733	89.6	631	96.8	1302	97.0
Unknown	52	0.5	29	0.4	17	0.6	5	0.8	0	0.0
<b>Kent</b>	2180	100.0	1440	100.0	648	100.0	90	100.0	184	100.0
Yes	275	12.6	216	15.0	55	8.5	4	4.4	13	7.1
No	1894	86.9	1219	84.7	589	90.9	85	94.4	171	92.9
Unknown	11	0.5	5	0.3	4	0.6	1	1.1	0	0.0
<b>New Castle</b>	6444	100.0	3953	100.0	1972	100.0	511	100.0	707	100.0
Yes	650	10.1	442	11.2	199	10.1	8	1.6	20	2.8
No	5760	89.4	3493	88.4	1761	89.3	499	97.7	687	97.2
Unknown	34	0.5	18	0.5	12	0.6	4	0.8	0	0.0
Wilmington	1057	100.0	409	100.0	615	100.0	31	100.0	154	100.0
Yes	139	13.2	34	8.3	102	16.6	3	9.7	9	5.8
No	916	86.7	373	91.2	513	83.4	28	90.3	145	94.2
Unknown	2	0.2	2	0.5	0	0.0	0	0.0	0	0.0
Balance of NC County	5387	100.0	3544	100.0	1357	100.0	480	100.0	553	100.0
Yes	511	9.5	408	11.5	97	7.1	5	1.0	11	2.0
No	4844	89.9	3120	88.0	1248	92.0	471	98.1	542	98.0
Unknown	32	0.6	16	0.5	12	0.9	4	0.8	0	0.0
<b>Sussex</b>	2178	100.0	1694	100.0	429	100.0	51	100.0	451	100.0
Yes	294	13.5	245	14.5	45	10.5	4	7.8	7	1.6
No	1877	86.2	1443	85.2	383	89.3	47	92.2	444	98.4
Unknown	7	0.3	6	0.4	1	0.2	0	0.0	0	0.0

**Notes:**

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

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, 2013

Age	Reported Tobacco Use							
	Total		Yes		No		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	10802	100.0	1219	11.3	9531	88.2	52	0.5
< 18	205	100.0	22	10.7	183	89.3	0	0.0
18-19	525	100.0	56	10.7	466	88.8	3	0.6
20-24	2431	100.0	388	16.0	2035	83.7	8	0.3
25-29	3139	100.0	384	12.2	2739	87.3	16	0.5
30-34	2984	100.0	250	8.4	2719	91.1	15	0.5
35 +	1518	100.0	119	7.8	1389	91.5	10	0.7
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, 2013

Area/ Birth Weight	Reported Tobacco Use							
	Total		Yes		No		Unknown	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	10802	100.0	1219	100.0	9531	100.0	52	100.0
<2500	904	8.4	185	15.2	708	7.4	11	21.2
2500+	9893	91.6	1034	84.8	8823	92.6	36	69.2
Unknown	5	0.0	0	0.0	0	0.0	5	9.6
<b>Kent</b>	2180	100.0	275	100.0	1894	100.0	11	100.0
<2500	192	8.8	45	16.4	145	7.7	2	18.2
2500+	1987	91.1	230	83.6	1749	92.3	8	72.7
Unknown	1	0.0	0	0.0	0	0.0	1	9.1
<b>New Castle</b>	6444	100.0	650	100.0	5760	100.0	34	100.0
<2500	578	9.0	107	16.5	464	8.1	7	20.6
2500+	5863	91.0	543	83.5	5296	91.9	24	70.6
Unknown	3	0.0	0	0.0	0	0.0	3	8.8
Wilmington	1057	100.0	139	100.0	916	100.0	2	100.0
<2500	142	13.4	26	18.7	116	12.7	0	0.0
2500+	915	86.6	113	81.3	800	87.3	2	100.0
Unknown	0	0.0	0	0.0	0	0.0	0	0.0
Balance of NC County	5387	100.0	511	100.0	4844	100.0	32	100.0
<2500	436	8.1	81	15.9	348	7.2	7	21.9
2500+	4948	91.9	430	84.1	4496	92.8	22	68.8
Unknown	3	0.1	0	0.0	0	0.0	3	9.4
<b>Sussex</b>	2178	100.0	294	100.0	1877	100.0	7	100.0
<2500	134	6.2	33	11.2	99	5.3	2	28.6
2500+	2043	93.8	261	88.8	1778	94.7	4	57.1
Unknown	1	0.0	0	0.0	0	0.0	1	14.3

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, 2000-2013

Year/ Area	Race			Hispanic Origin*
	All Races	White	Black	
<b>2013</b>				
U.S.	N/A	N/A	N/A	N/A
Delaware	11.3	12.7	9.8	3.0
<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, 2013

Day	Number	Percent
Sunday	1069	9.9
Monday	1671	15.5
Tuesday	1804	16.7
Wednesday	1705	15.8
Thursday	1685	15.6
Friday	1690	15.6
Saturday	1178	10.9
Total	10802	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, 2013

Month	Number	Percent
January	875	8.1
February	777	7.2
March	873	8.1
April	842	7.8
May	978	9.1
June	905	8.4
July	972	9.0
August	987	9.1
September	889	8.2
October	934	8.6
November	859	8.0
December	911	8.4
Total	10802	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, 2012-2013

**Males**

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

Rank	2013	
	Name	Number
1	Mason	58
2	Michael	56
3	Liam	52
4	Aiden	51
5	Alexander	48
5	William	48
7	John	45
7	Logan	45
9	Jackson	44
10	Jayden	41
10	Joseph	41
12	Noah	40
13	Benjamin	39
13	Ethan	39
15	Andrew	36

**Females**

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
10	Zoey	27
13	Layla	25
14	Elizabeth	24
14	Mia	24

Rank	2013	
	Name	Number
1	Ava	53
2	Olivia	52
3	Emma	48
4	Abigail	43
5	Emily	41
5	Sophia	41
7	Isabella	40
8	Madison	36
9	Aubrey	32
10	Charlotte	31
10	Grace	27
11	Elizabeth	26
13	Lily	24
14	Chloe	22
14	Mia	22

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, 2013

State	Low Birthweight	
	Rate	Rank
Alabama	10.0	3
Alaska	5.8	51
Arizona	6.9	38
Arkansas	8.8	10
California	6.8	41
Colorado	8.8	10
Connecticut	7.8	31
<b>Delaware</b>	8.3	18
District of Columbia	9.4	6
Florida	8.5	15
Georgia	9.5	5
Hawaii	8.2	21
Idaho	6.9	38
Illinois	8.2	21
Indiana	7.9	30
Iowa	6.6	44
Kansas	7.0	35
Kentucky	8.7	13
Louisiana	10.9	2
Maine	7.1	34
Maryland	8.5	15
Massachusetts	7.7	32
Michigan	8.2	21
Minnesota	6.4	45
Mississippi	11.5	1
Missouri	8.0	25
Montana	7.4	33
Nebraska	6.4	45
Nevada	8.0	25
New Hampshire	6.8	41
New Jersey	8.3	18
New Mexico	8.9	9
New York	8.0	25
North Carolina	8.8	10
North Dakota	6.4	45
Ohio	8.5	15
Oklahoma	8.1	24
Oregon	6.3	49
Pennsylvania	8.0	25
Rhode Island	6.9	38
South Carolina	9.7	4
South Dakota	6.3	49
Tennessee	9.1	8
Texas	8.3	18
Utah	7.0	35
Vermont	6.7	43
Virginia	8.0	25
Washington	6.4	45
West Virginia	9.4	6
Wisconsin	7.0	35
Wyoming	8.6	14
United States	8.0	

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, 2013

State	Cesarean Deliveries		Single Mothers	
	Rate	Rank	Rate	Rank
Alabama	35.8	7	42.2	18
Alaska	24.0	50	34.5	40
Arizona	27.4	41	45.4	8
Arkansas	34.4	13	45.0	12
California	33.2	20	39.7	30
Colorado	26.0	45	23.1	50
Connecticut	34.8	12	38.2	31
Delaware	31.5	23	47.8	6
District of Columbia	34.2	15	50.8	4
Florida	37.7	4	48.0	5
Georgia	34.2	15	45.4	8
Hawaii	25.2	47	37.3	34
Idaho	24.9	48	27.1	49
Illinois	31.7	22	40.4	25
Indiana	30.5	30	43.3	16
Iowa	30.8	29	34.4	41
Kansas	30.2	33	36.2	36
Kentucky	36.6	5	41.9	21
Louisiana	38.9	1	53.0	2
Maine	30.0	35	41.0	24
Maryland	35.1	9	40.4	25
Massachusetts	31.5	23	33.5	43
Michigan	32.6	21	42.4	17
Minnesota	26.9	43	32.9	45
Mississippi	38.5	2	54.5	1
Missouri	31.1	27	40.3	27
Montana	29.7	36	37.4	33
Nebraska	30.3	32	33.3	44
Nevada	34.9	11	45.3	10
New Hampshire	30.1	34	34.2	42
New Jersey	38.4	3	35.6	38
New Mexico	24.3	49	52.0	3
New York	34.3	14	40.2	28
North Carolina	30.4	31	41.4	23
North Dakota	28.6	38	32.4	48
Ohio	31.1	27	43.7	15
Oklahoma	33.8	17	42.2	18
Oregon	28.0	40	35.9	37
Pennsylvania	31.3	25	41.6	22
Rhode Island	31.3	25	44.6	13
South Carolina	35.0	10	47.3	7
South Dakota	25.5	46	38.2	31
Tennessee	33.4	19	44.0	14
Texas	35.2	8	42.2	18
Utah	22.4	51	18.9	51
Vermont	27.3	42	40.2	28
Virginia	33.7	18	34.6	39
Washington	28.3	39	32.8	46
West Virginia	35.9	6	45.2	11
Wisconsin	26.2	44	37.0	35
Wyoming	28.9	37	32.7	47
United States	32.7		40.6	

Sources:  
Delaware Health Statistics Center  
National Center for Health Statistics

CSState

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

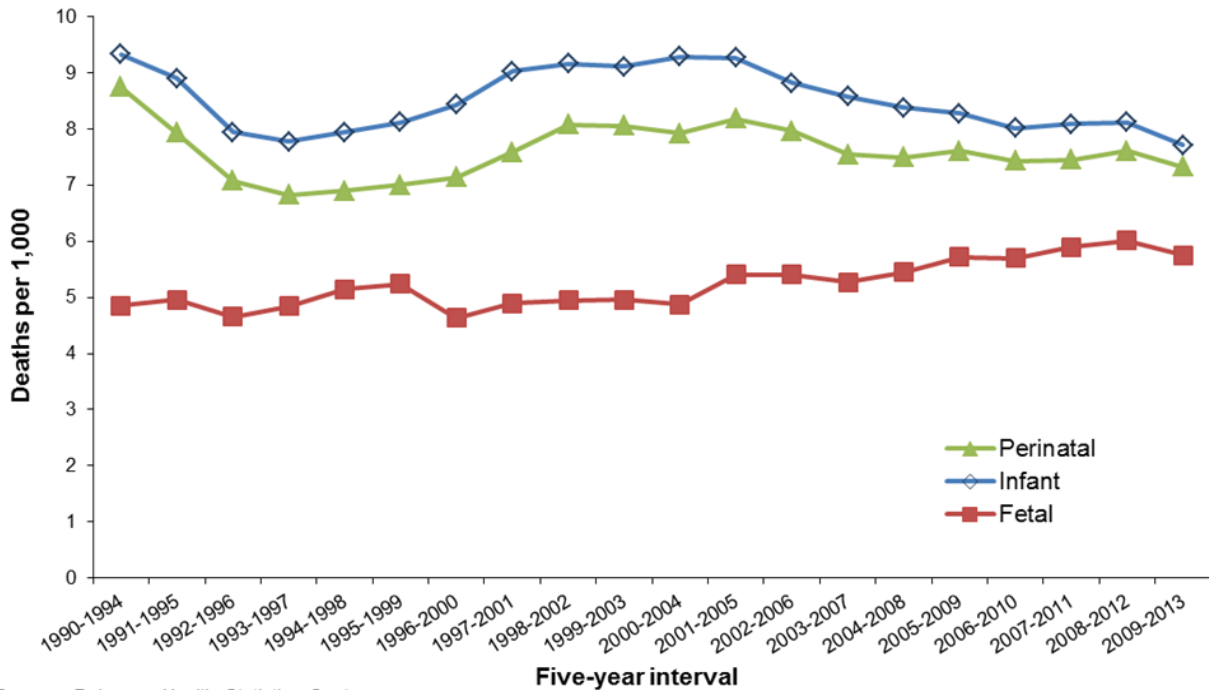
# Fetal & Perinatal Deaths

**Intentionally left blank**

## FETAL AND PERINATAL DEATHS

Perinatal mortality refers to deaths occurring in the period around delivery, and includes late fetal deaths (>28 weeks gestation) and early infant deaths (<7 days of age). Perinatal mortality trends paralleled those of infant mortality, decreasing from 1990-1994 to their lowest level in 1993-1997, and then increasing through 2001-2005, after which they began a gradual decrease through 2009-2013.

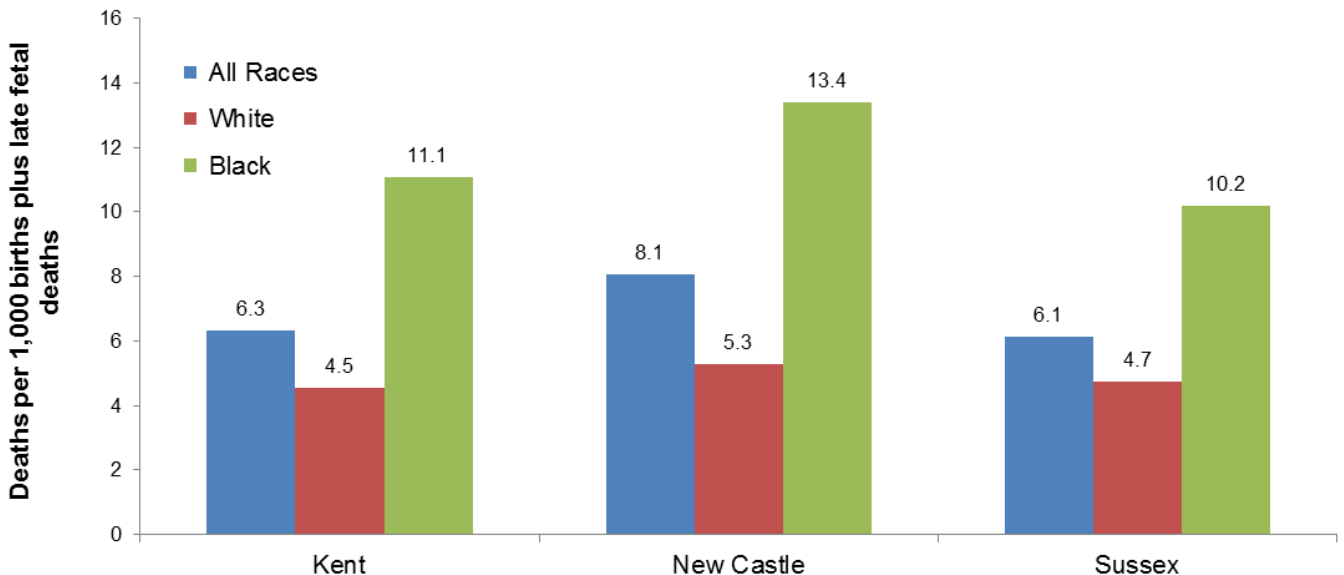
**Five-year Fetal, Perinatal, and Infant Mortality Rates  
Delaware, 1990-2013**



Source: Delaware Health Statistics Center

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.

**Five-year Average Perinatal Mortality Rates by Race and County  
Delaware, 2009-2013**



Source: Delaware Health Statistics Center



## FETAL AND PERINATAL DEATHS

In 2013, there were 55 reported fetal deaths in Delaware. In 2009-2013, the fetal mortality rate was 5.8 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 2009-2013 they were 55 percent higher than the rate of white women (8.4 versus 4.8).

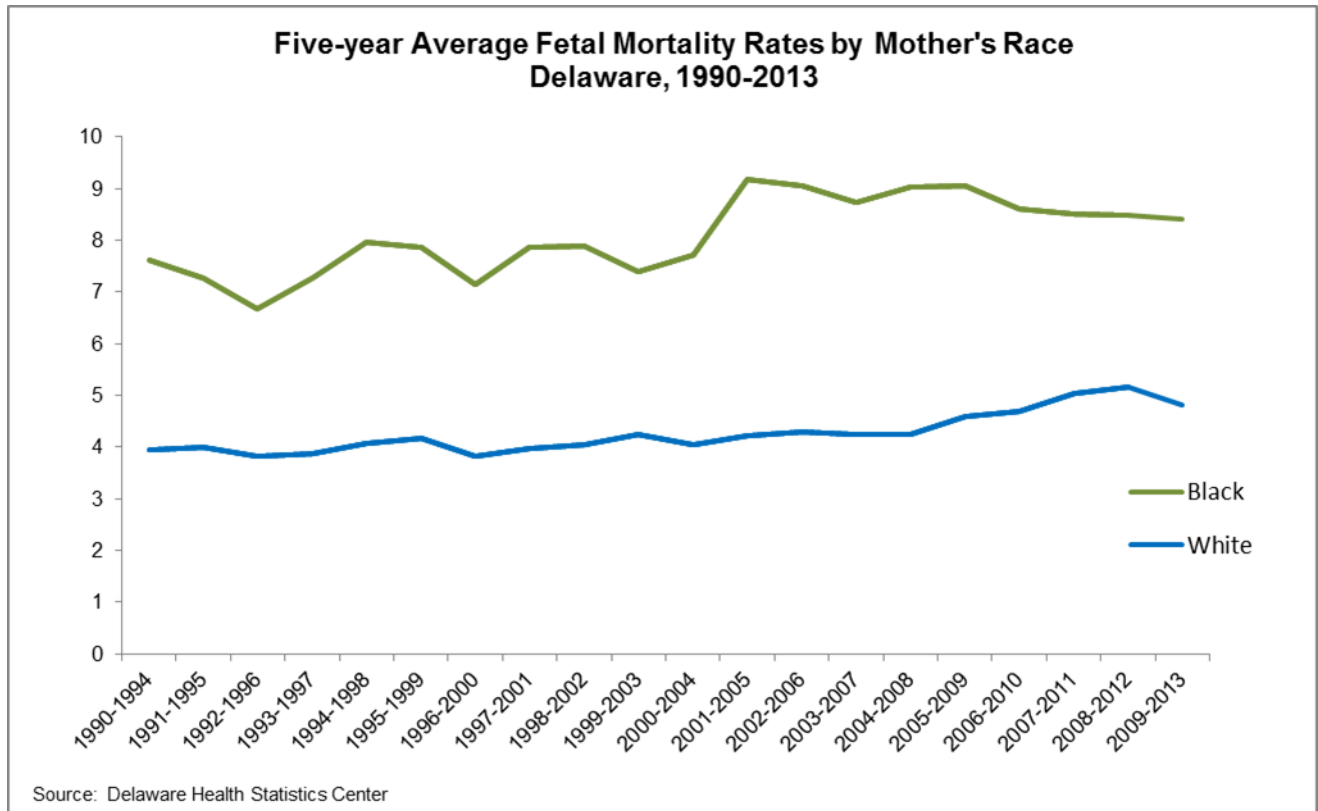


TABLE D-1  
NUMBER OF FETAL DEATHS BY RACE, HISPANIC ORIGIN, AND AGE OF WOMAN

DELAWARE AND COUNTIES, 2013

Area/ Age	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Delaware</b>	55	24	26	5	5
<20	4	2	2	0	0
20-24	15	8	7	0	3
25-34	24	8	13	3	1
35+	12	6	4	2	1
Unknown	0	0	0	0	0
<b>Kent</b>	17	7	9	1	1
<20	2	1	1	0	0
20-24	3	1	2	0	1
25-34	9	3	5	1	0
35+	3	2	1	0	0
Unknown	0	0	0	0	0
<b>New Castle</b>	30	11	15	4	2
<20	1	0	1	0	0
20-24	9	4	5	0	1
25-34	12	4	6	2	1
35+	8	3	3	2	0
Unknown	0	0	0	0	0
<b>Sussex</b>	8	6	2	0	2
<20	1	1	0	0	0
20-24	3	3	0	0	1
25-34	3	1	2	0	0
35+	1	1	0	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.

**Source:**

Delaware Health Statistics Center

PRAGERACECTY

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

DELAWARE, 2013

Education	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Total</b>	55	24	26	5	5
<9	2	2	0	0	2
9 to 11	6	3	3	0	0
H.S. Grad	18	6	11	1	3
1 to 3 College	11	4	7	0	0
4+ College	18	9	5	4	0
Unknown	0	0	0	0	0

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, 2013

Area/ Marital Status	Race-Hispanic Origin				
	All Races	White	Black	Other	Hispanic*
<b>Delaware</b>	55	24	26	5	5
Married	25	14	7	4	2
Single	30	10	19	1	3
<b>Kent</b>	17	7	9	1	1
Married	8	5	2	1	0
Single	9	2	7	0	1
<b>New Castle</b>	30	11	15	4	2
Married	13	6	4	3	1
Single	17	5	11	1	1
<b>Sussex</b>	8	6	2	0	2
Married	4	3	1	0	1
Single	4	3	1	0	1

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, 2013

Area/ Weight	Race			
	All Races	White	Black	Other
<b>Delaware</b>	55	24	26	5
<500	19	6	8	5
500-749	11	2	9	0
750-999	1	1	0	0
1000-1499	4	2	2	0
1500-1999	5	3	2	0
2000-2499	6	4	2	0
2500+	9	6	3	0
Unknown	0	0	0	0
<b>Kent</b>	17	7	9	1
<500	5	2	2	1
500-749	6	2	4	0
750-999	0	0	0	0
1000-1499	2	1	1	0
1500-1999	2	1	1	0
2000-2499	1	1	0	0
2500+	1	0	1	0
Unknown	0	0	0	0
<b>New Castle</b>	30	11	15	4
<500	11	2	5	4
500-749	5	0	5	0
750-999	1	1	0	0
1000-1499	1	1	0	0
1500-1999	3	2	1	0
2000-2499	3	1	2	0
2500+	6	4	2	0
Unknown	0	0	0	0
<b>Sussex</b>	8	6	2	0
<500	3	2	1	0
500-749	0	0	0	0
750-999	0	0	0	0
1000-1499	1	0	1	0
1500-1999	0	0	0	0
2000-2499	2	2	0	0
2500+	2	2	0	0
Unknown	0	0	0	0

FDWTRACE

**Note:**

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

**Source:**

Delaware Health Statistics Center

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

DELAWARE AND COUNTIES, 2013

Area/ Age	Race			
	All Races	White	Black	Other
<b>Delaware</b>	55	24	26	5
<20 Weeks	0	0	0	0
20-24 Weeks	26	6	15	5
25-29 Weeks	8	5	3	0
30-34 Weeks	7	4	3	0
35-39 Weeks	8	4	4	0
40+ Weeks	6	5	1	0
Unknown	0	0	0	0
<b>Kent</b>	17	7	9	1
<20 Weeks	0	0	0	0
20-24 Weeks	10	4	5	1
25-29 Weeks	2	1	1	0
30-34 Weeks	3	1	2	0
35-39 Weeks	1	0	1	0
40+ Weeks	1	1	0	0
Unknown	0	0	0	0
<b>New Castle</b>	30	11	15	4
<20 Weeks	0	0	0	0
20-24 Weeks	15	2	9	4
25-29 Weeks	4	2	2	0
30-34 Weeks	4	3	1	0
35-39 Weeks	3	1	2	0
40+ Weeks	4	3	1	0
Unknown	0	0	0	0
<b>Sussex</b>	8	6	2	0
<20 Weeks	0	0	0	0
20-24 Weeks	1	0	1	0
25-29 Weeks	2	2	0	0
30-34 Weeks	0	0	0	0
35-39 Weeks	4	3	1	0
40+ Weeks	1	1	0	0
Unknown	0	0	0	0

FDGESRAC

**Note:**

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

**Source:**

Delaware Health Statistics Center

TABLE D-6  
FIVE-YEAR AVERAGE PERINATAL MORTALITY RATES BY RACE  
DELAWARE AND COUNTIES, 1995-2013

Area/ Race	1995 -1999	1996 -2000	1997 -2001	1998 -2002	1999 -2003	2000 -2004	2001 -2005	2002 -2006	2003 -2007	2004 -2008	2005 -2009	2006 -2010	2007 -2011	2008 -2012	2009 -2013
<b>Delaware</b>															
All Races	7.0	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	7.3
White	5.4	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	5.0
Black	12.0	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	12.5
<b>Kent</b>															
All Races	7.6	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	6.3
White	5.8	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	4.5
Black	13.3	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	11.1
<b>New Castle</b>															
All Races	6.9	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	8.1
White	4.9	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	5.3
Black	13.1	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	13.4
<b>Sussex</b>															
All Races	6.6	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	6.1
White	6.5	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	4.7
Black	6.6	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	10.2

**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.

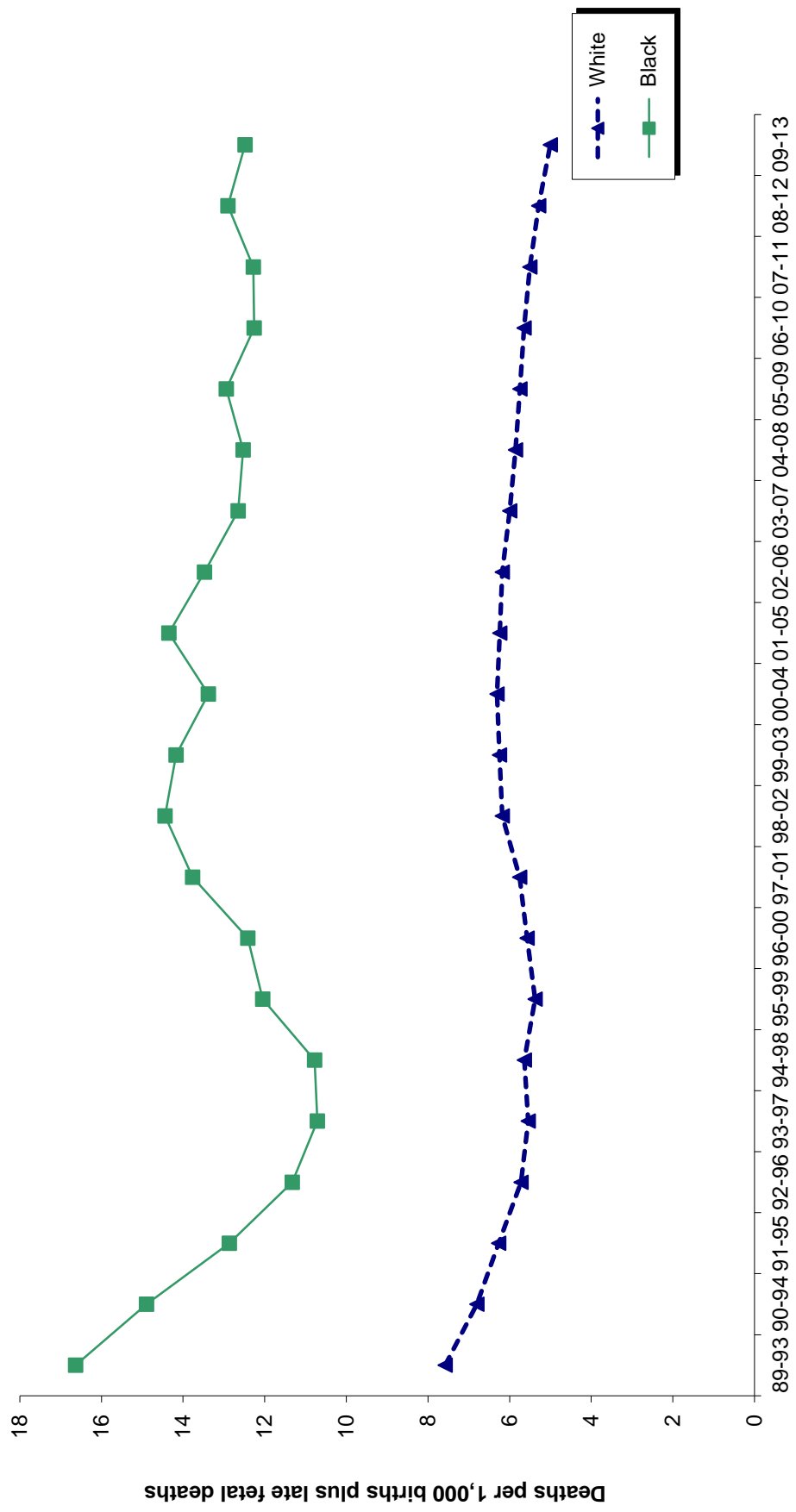
Peri\_ra

**Source:**

Delaware Health Statistics Center

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

**Delaware, 1989-2013**



**Source:**  
 Delaware Health Statistics Center

**Five-year interval**

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

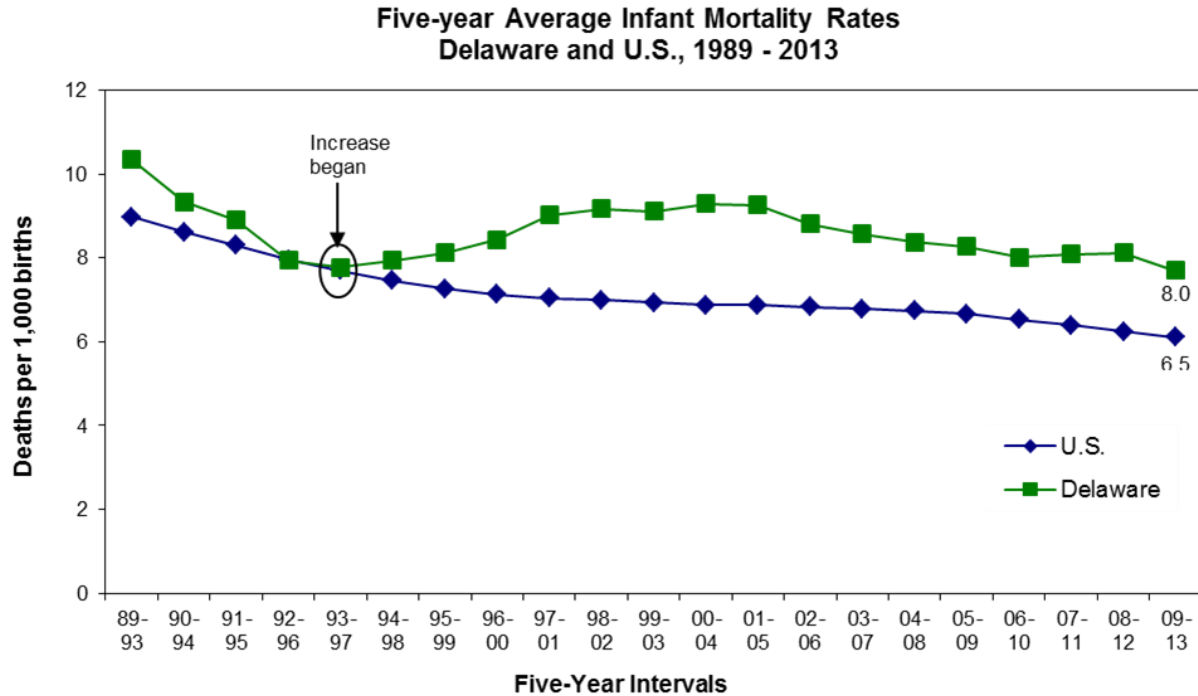
# Infant Mortality



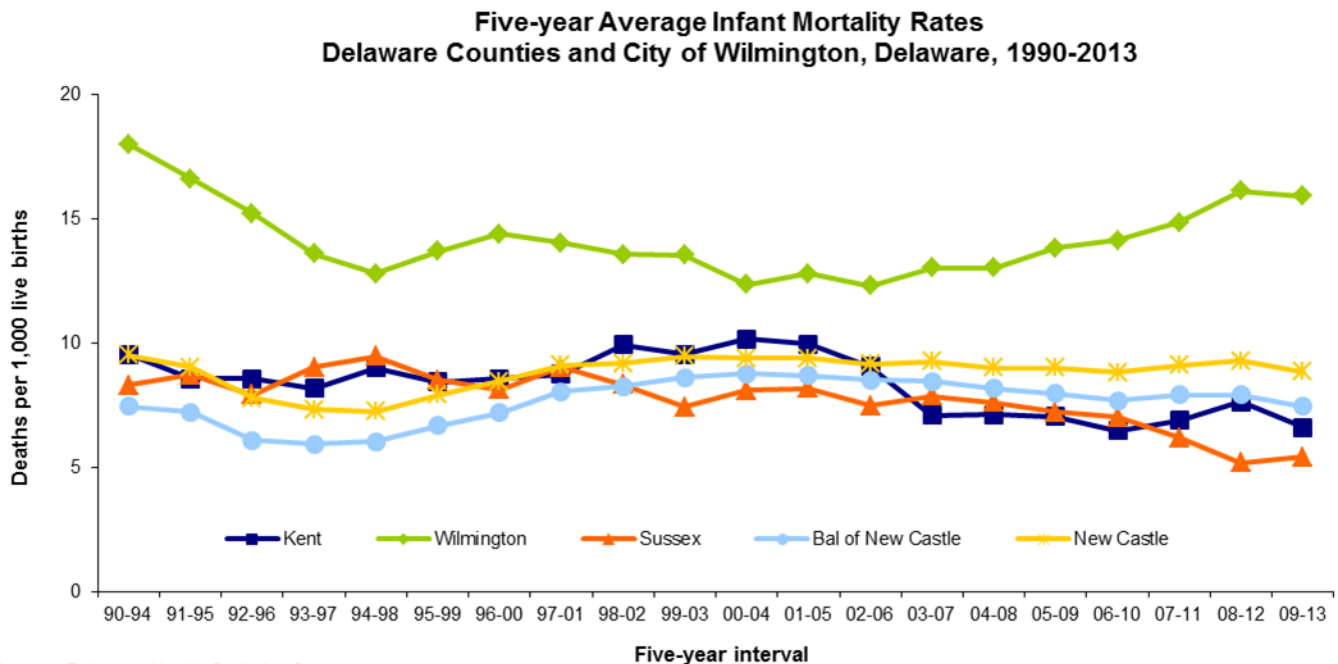
**Intentionally left blank**

## INFANT MORTALITY

Between 2008-2012 and 2009-2013, Delaware's infant mortality rate (IMR) decreased to 7.7 infant deaths per 1,000 live births, resulting in a total decline of 17.2 percent from its 2000-2004 peak of 9.3 infant deaths per 1,000 live births. At 6.1, the U.S. rate remained significantly lower than the Delaware rate.

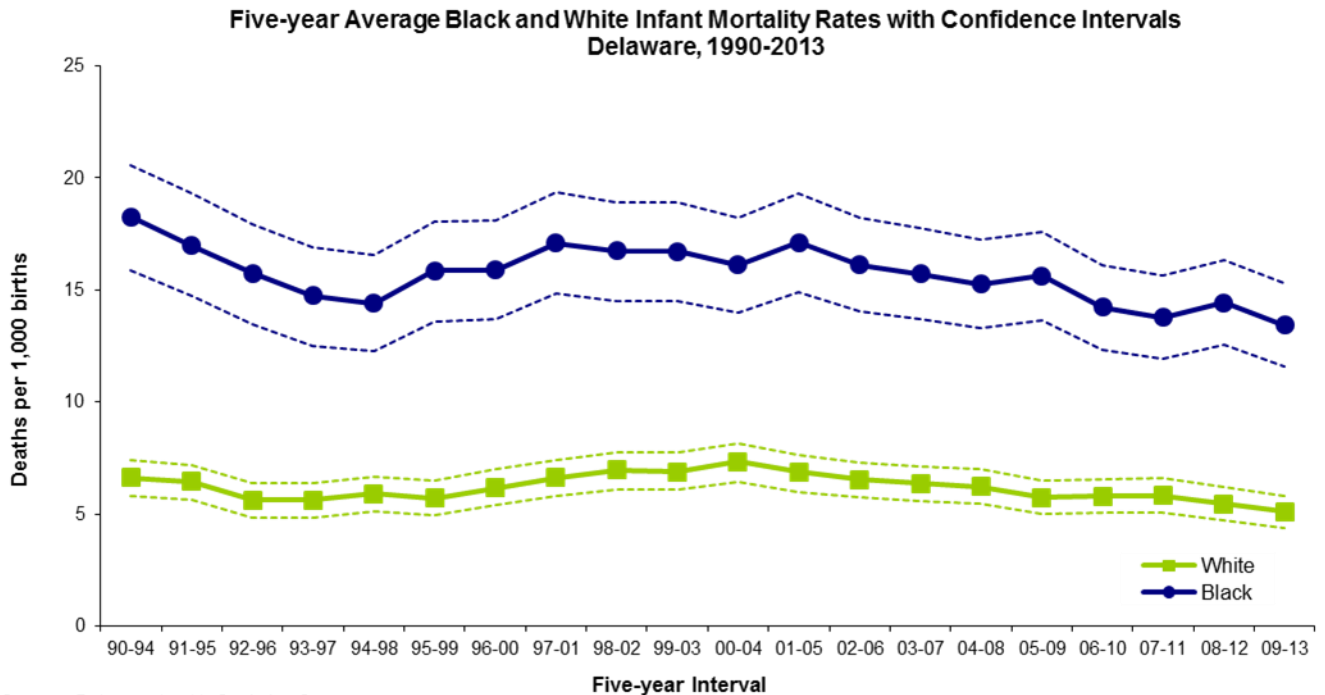


Wilmington's IMR decreased for the first time in five years. The combination of Wilmington's high IMR and a high IMR in the balance of New Castle County, resulted in New Castle County's IMR being higher than the IMRs of both Kent and Sussex Counties. Although the IMR of Sussex increased from 2008-2012 to 2009-2013, Sussex's IMR remained the lowest. In 2009-2013, the balance of New Castle County's IMR was 7.5; Wilmington's IMR was 15.9; Kent County's IMR was 6.6; and Sussex County's IMR was 5.4.

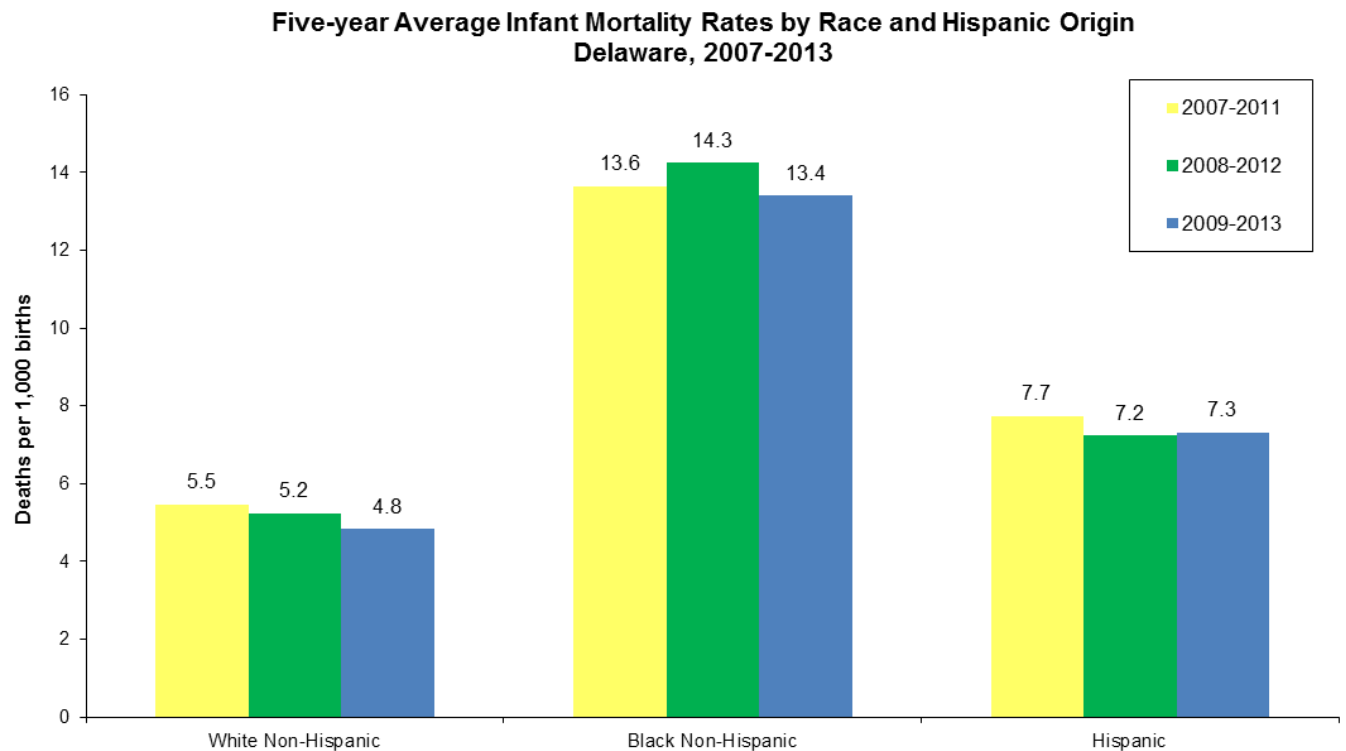


## INFANT MORTALITY

Black infants experienced significantly higher mortality rates than white infants, and from 1990-1994 to 2009-2013, black IMRs went from 2.8 to 2.6 times that of white IMRs.



Significant disparities existed between black non-Hispanics and each of the two other groups, white non-Hispanics and Hispanics. Black non-Hispanics had the highest IMRs in all three time periods, and their rate of 13.4 in 2009-2013 was more than double the white non-Hispanic rate of 4.8 and nearly twice the Hispanic rate of 7.3 infant deaths per 1,000 live births.



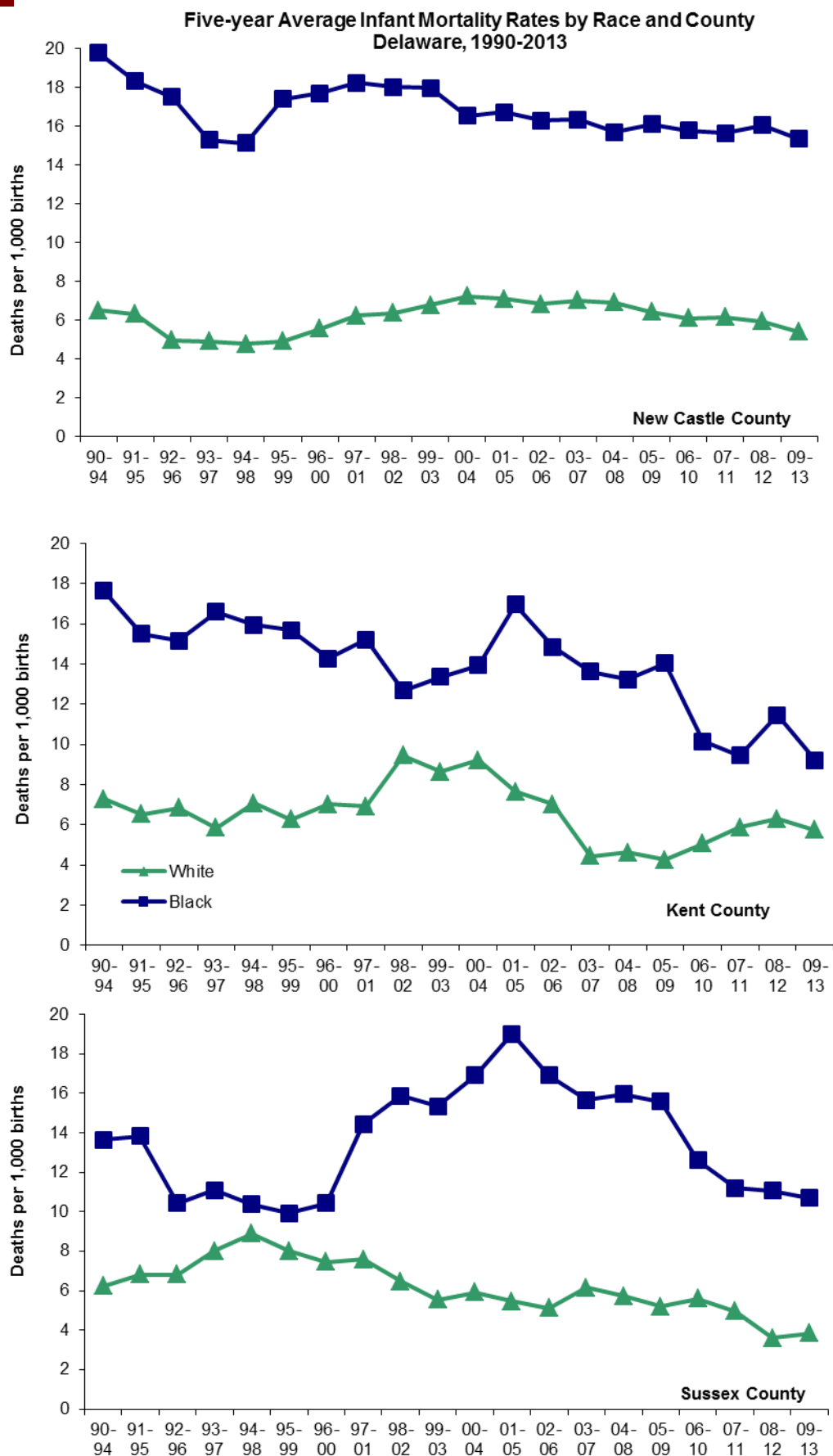
## INFANT MORTALITY

In 2009-2013, 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 2009-2013 the black IMR was 15.3 infant deaths per 1,000 live births. White IMRs decreased in that time frame from 6.8 to 5.4 infant deaths per 1,000 live births.

Black IMRs in Kent County peaked at 17 in 2001-2005; the recent drop in 2009-2013 resulted in a 46 percent reduction in black IMRs between 2001-2005 and 2009-2013. Despite increasing since their 2005-2009 rate, the white IMR in Kent County was 25 percent lower in 2009-2013 than in 2001-2005.

Sussex County's black IMR dropped to 10.7 in 2009-2013, its lowest rate since 1996-2000, and a 44 percent reduction from the 2001-2005 peak of 19. Sussex County's white IMR has fluctuated between 5 and 6 since 1999-2003, and in 2009-2013 the rate dropped to 3.8 infant deaths per 1,000 births.



Source: Delaware Health Statistics Center

## INFANT MORTALITY- Leading Causes of Death

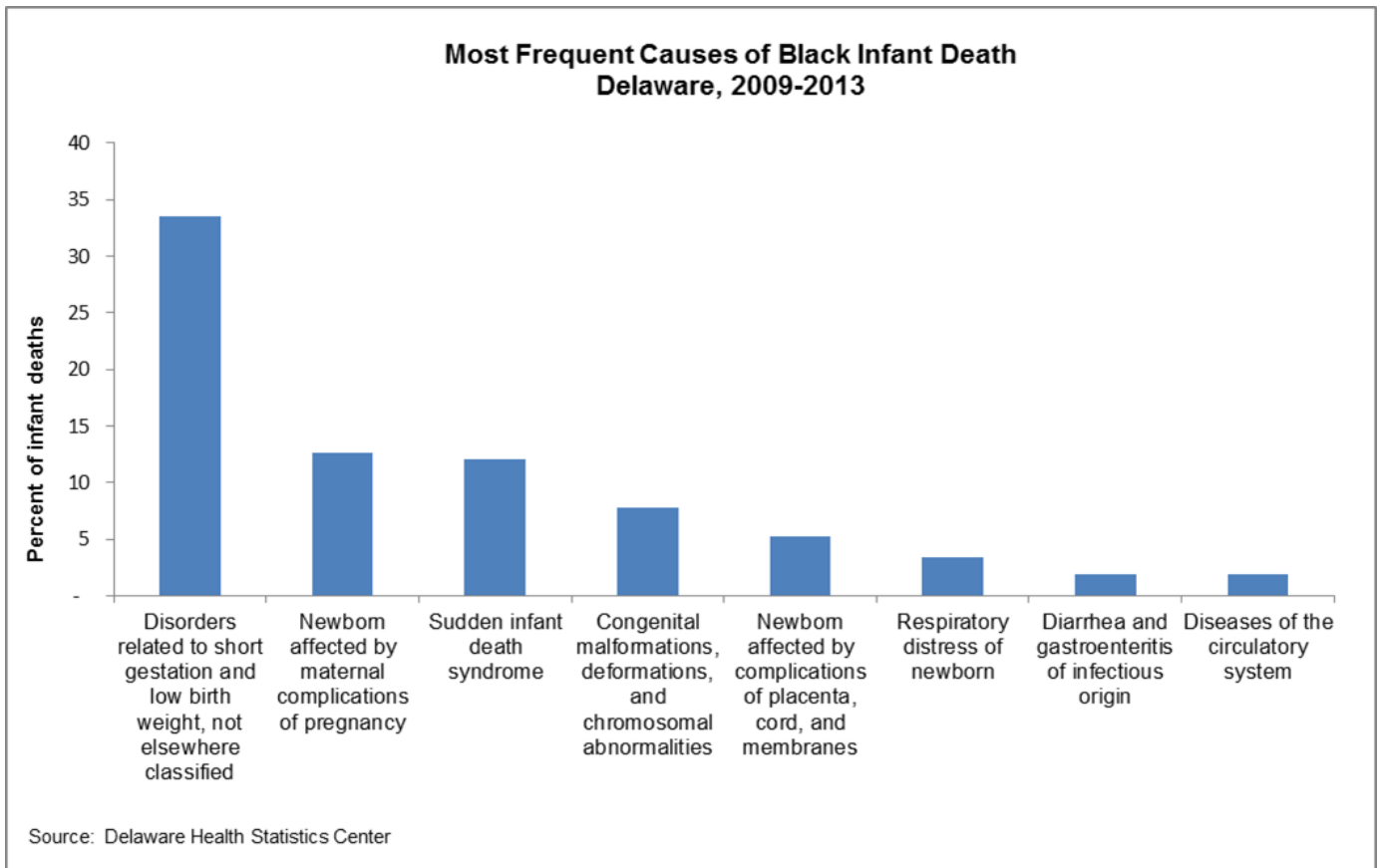
In 2009-2013, the five leading causes of infant death were:

- Disorders related to short gestation and fetal malnutrition (prematurity and low birthweight), which accounted for 24.7 percent of infant deaths.
- Congenital anomalies (birth defects), which accounted for 15.2 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 10.3 percent of infant deaths. Of the 44 deaths attributed to this cause, 38 were due to newborns being affected by incompetent cervix and premature rupture of membranes.
- Newborns affected by complications of placenta, cord, and membranes (4.9 percent).

In sum, the five most common causes of infant death accounted for 66 percent, or 283 of the 429 total infant deaths.

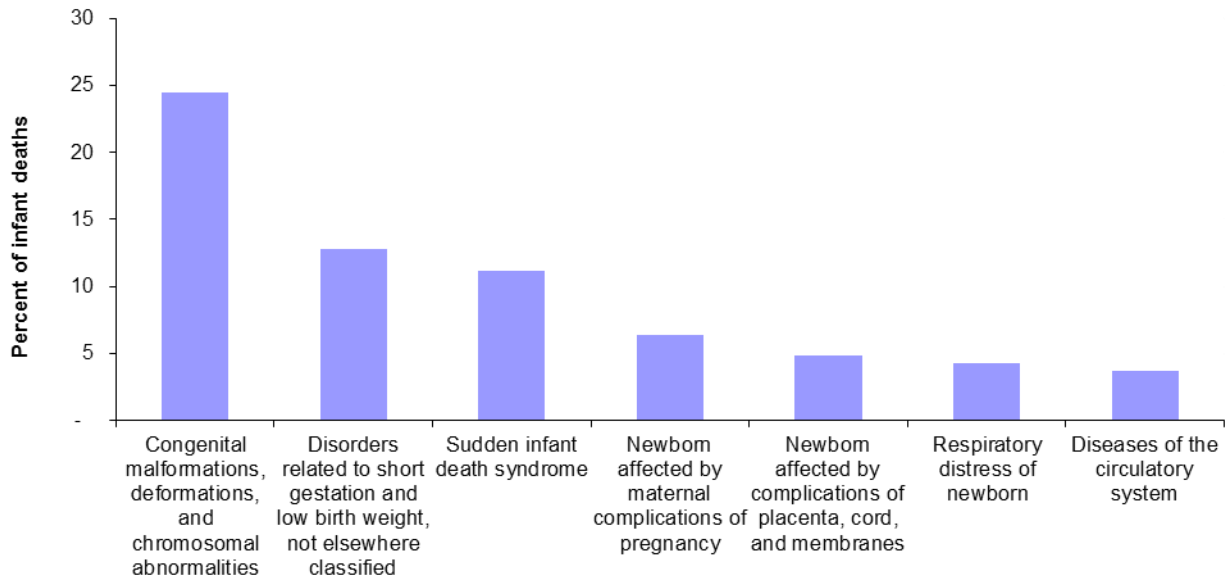
The most frequent causes of death by race are shown in the graphs below and on the following page. SIDS and disorders related to short gestation and low birthweight were listed in the top three most frequent causes of death for both black and white infants.

Though the proportions of deaths by race were similar for many of the causes of death, notable exceptions were birth defects, disorders due to prematurity and low birthweight, and SIDS. While birth defects were responsible for 24.5 percent of all white infant deaths, they accounted for only 7.8 percent of black infant deaths. Conversely, infant deaths due to disorders related to prematurity and low birthweight and SIDS accounted for larger percentages of black infant deaths than white infant deaths (33.5 versus 12.8 percent for prematurity and low birthweight, and 12.1 versus 11.2 percent for SIDS).



## INFANT MORTALITY- Leading Causes of Death

**Most Frequent Causes of White Infant Deaths  
Delaware, 2009-2013**

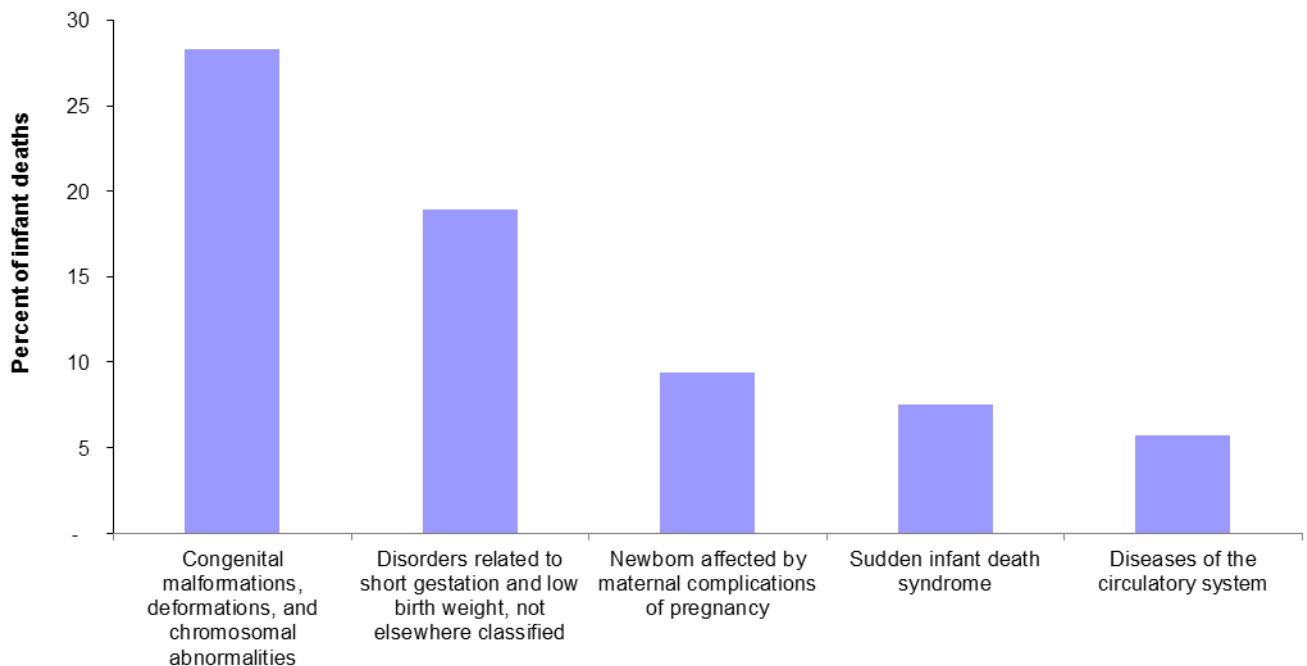


Source: Delaware Health Statistics Center

In 1989-1993, Hispanics accounted for 3.6 percent of all live births and 3.4 percent of infant deaths. Since that time, the proportion of births to Hispanic mothers has nearly quadrupled. In the most recent five-year period, 2009-2013, 13.0 percent of all live births were to Hispanic mothers, and 12.4 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 Deaths  
Delaware, 2009-2013**

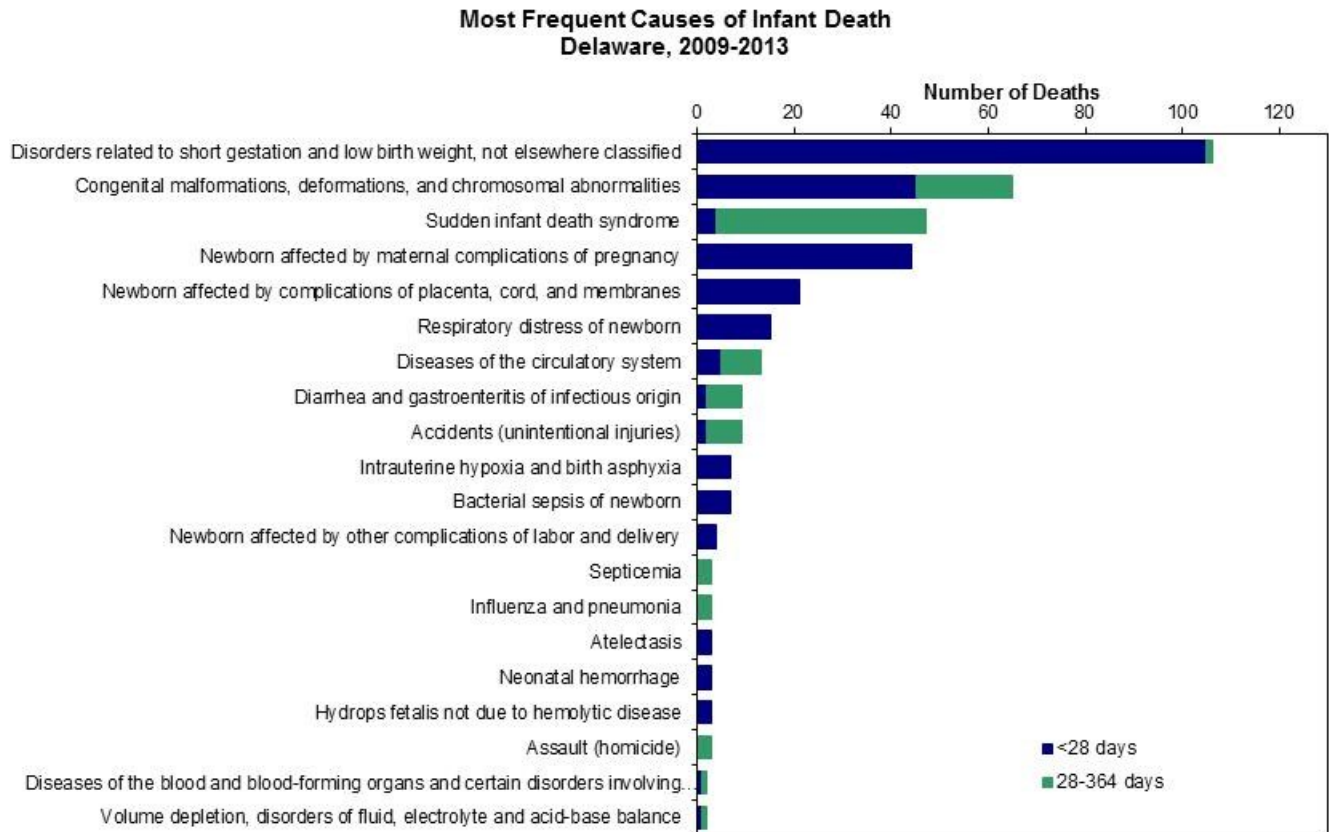


Source: Delaware Health Statistics Center

## INFANT MORTALITY - Leading Causes of Death

Approximately 92 percent of all infant deaths occurred within the first six months of life, 72 percent of all infant deaths occurred within the first 28 days of life, and 43 percent of all infant deaths 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).



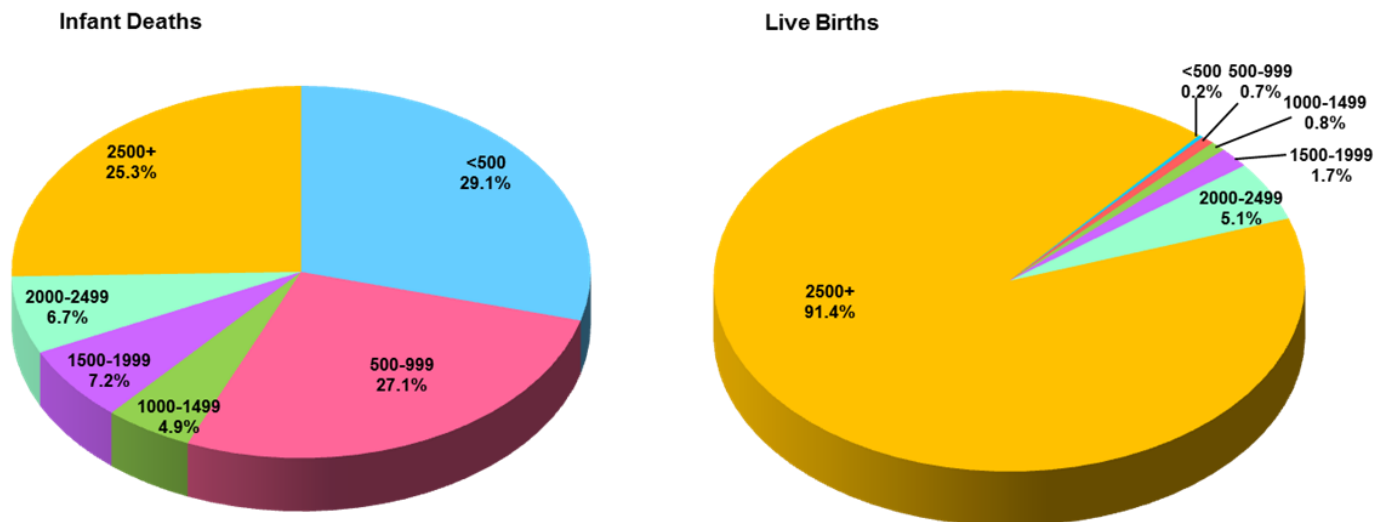
Source: Delaware Health Statistics Center

- Prematurity and low birthweight accounted for the greatest number of infant deaths in 2009-2013; 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 118 days. Although fewer infants died in 2009-2013 compared to 2008-2012 and less infants died due to SIDS, it remained to be the third leading cause of infant death in 2009-2013.
  - ⇒ 36 percent (17 out of 47) of the SIDS deaths in 2009-2013 were associated with co-sleeping and/or sleeping on soft surfaces, such as couches and adult beds.
- During 2009-2013, there were nine 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, 6.1 percent of all infant deaths in 2009-2013 were associated with co-sleeping and/or unsafe sleep practices.

## INFANT MORTALITY - Live Birth Cohort

Though only 1 percent of all live births in 2008-2012 were infants weighing less than 1000 grams, they accounted for over half (56 percent) of all infant deaths. In total, 8.5 percent of all live births in 2008-2012 were infants of low birthweight (under 2500 grams) and 75 percent of infant deaths were low birthweight.

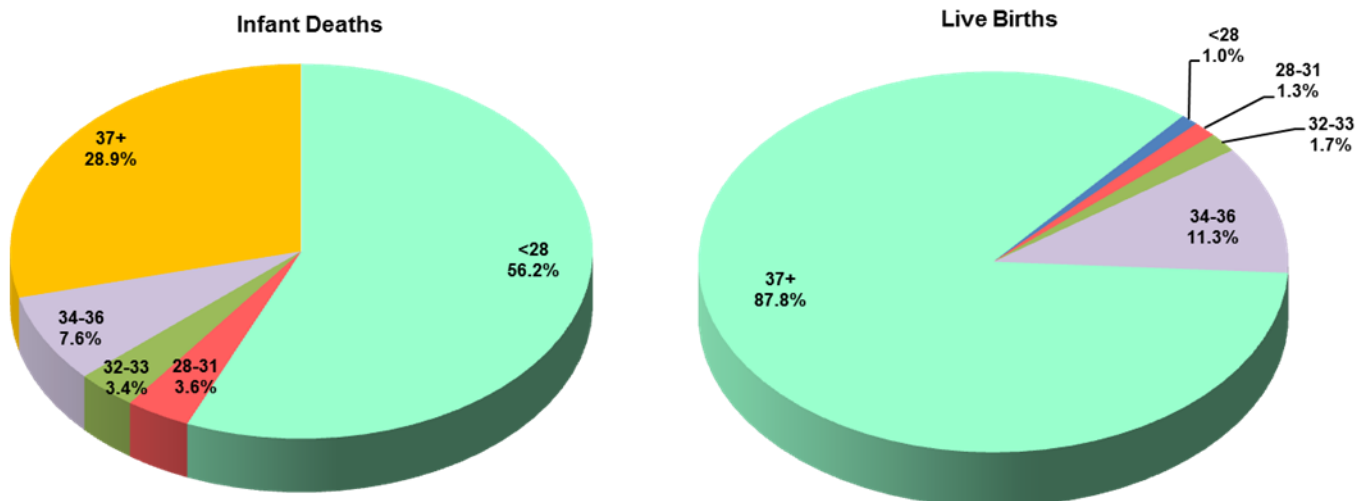
Distribution by Birthweight, Delaware Live Birth Cohort, 2008-2012



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 2008-2012 was less than 28 weeks gestation at birth, but those births accounted for 56 percent of all infant deaths. In total, 15 percent of all live births in 2008-2012 were born pre-term (<37 weeks of gestation) and 71 percent of infant deaths were born pre-term.

Distribution by Gestation, Delaware Live Birth Cohort, 2008-2012



Source: Delaware Health Statistics Center



## INFANT MORTALITY - Live Birth Cohort

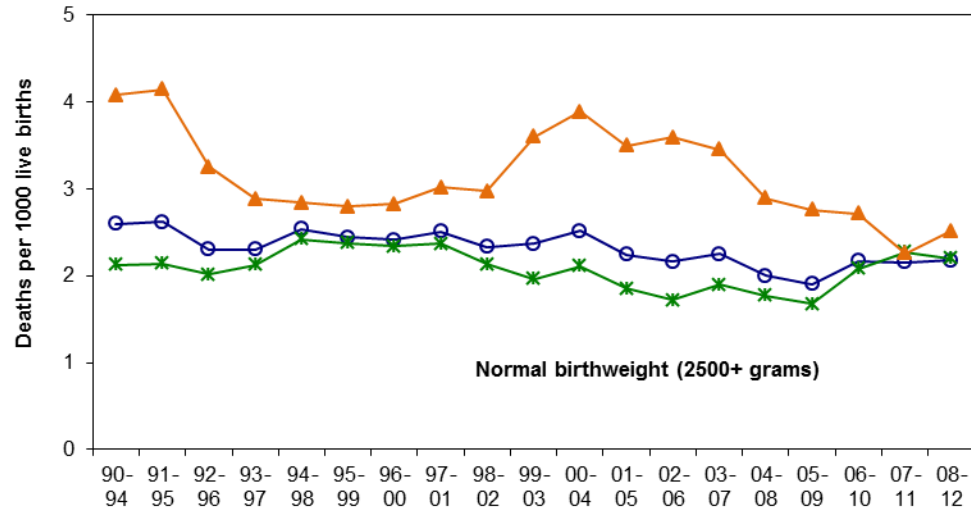
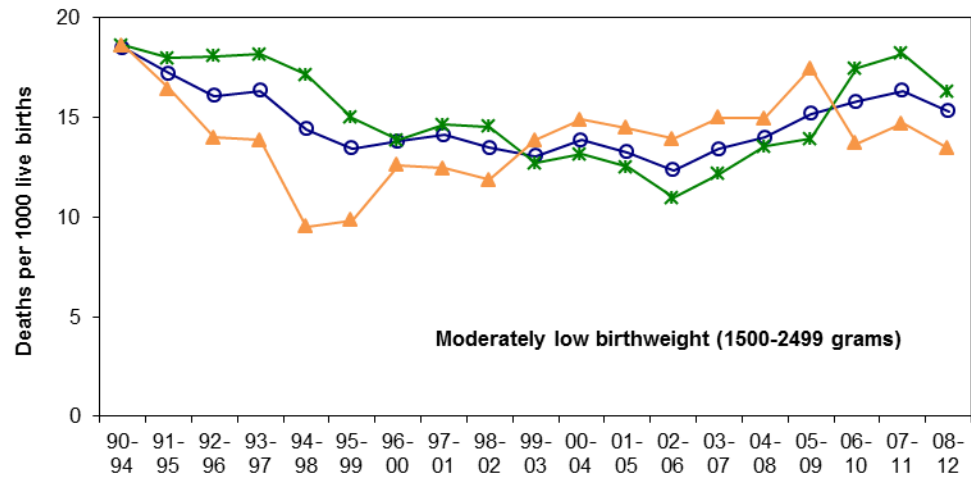
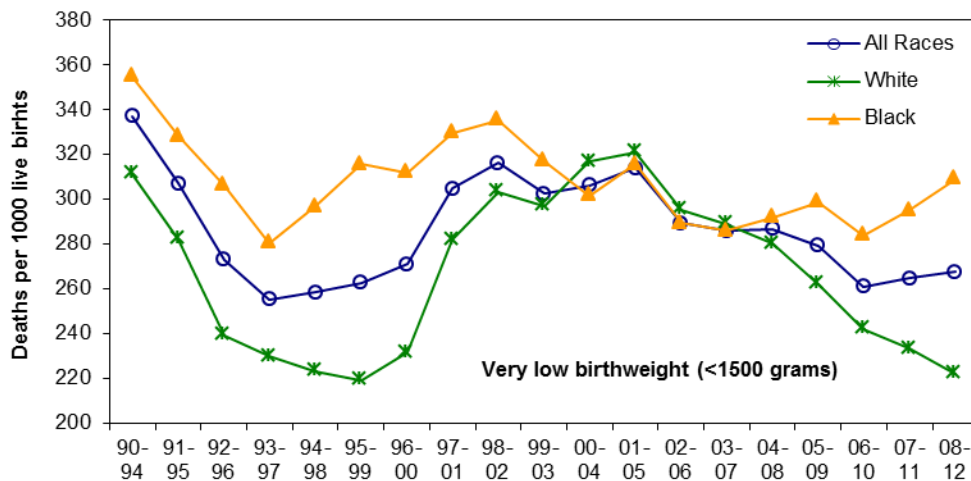
Birthweight and gestation are considered to be the most important predictors of infant health and mortality risk. Infants born too small or too early have a much greater risk of mortality than those who reach a normal birthweight (2,500+ grams) or full-term gestation (37+ weeks).

The IMR for very low birthweight (VLBW) black infants increased in 2008-2012 while the IMR for VLBW white infants decreased for the fifth straight year. In 2008-2012, IMRs for white and black VLBW infants were 309 and 222 infant deaths per 1,000 live births.

Although IMRs for moderately LBW infants of all races fluctuated, there was a negligible increase of less than 1 percent between 2000-2004 and 2008-2012. During that time, white IMRs increased 23 percent while the black IMR decreased 10 percent, which made their rates lower than the white rates (13.4 vs 16.3).

The IMR for all races remained the same from 2007-2011 to 2008-2012. IMRs for normal birthweight white infants experienced a slight increase since 2000-2004, while the IMRs for black infants declined 36 percent between 2000-2004 and 2008-2012. The divergent movement in black and white rates in the most recent year narrowed the black/white disparity ratio. In 2008-2012, the black IMR for normal birthweight infants was 2.5, versus 2.2 for white infants of normal birthweight.

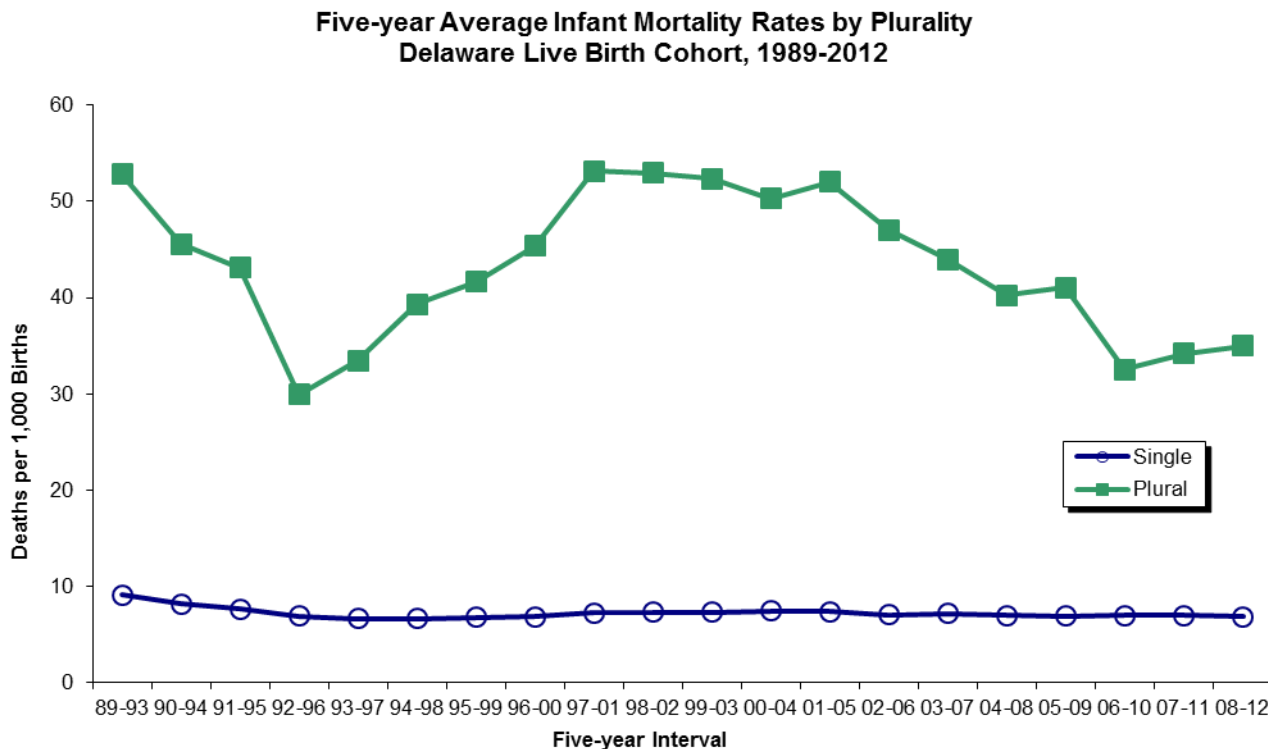
Five-year Average Infant Mortality Rate by Birthweight and Race Delaware, 1990-2012 Live Birth Cohort



Source: Delaware Health Statistics Center

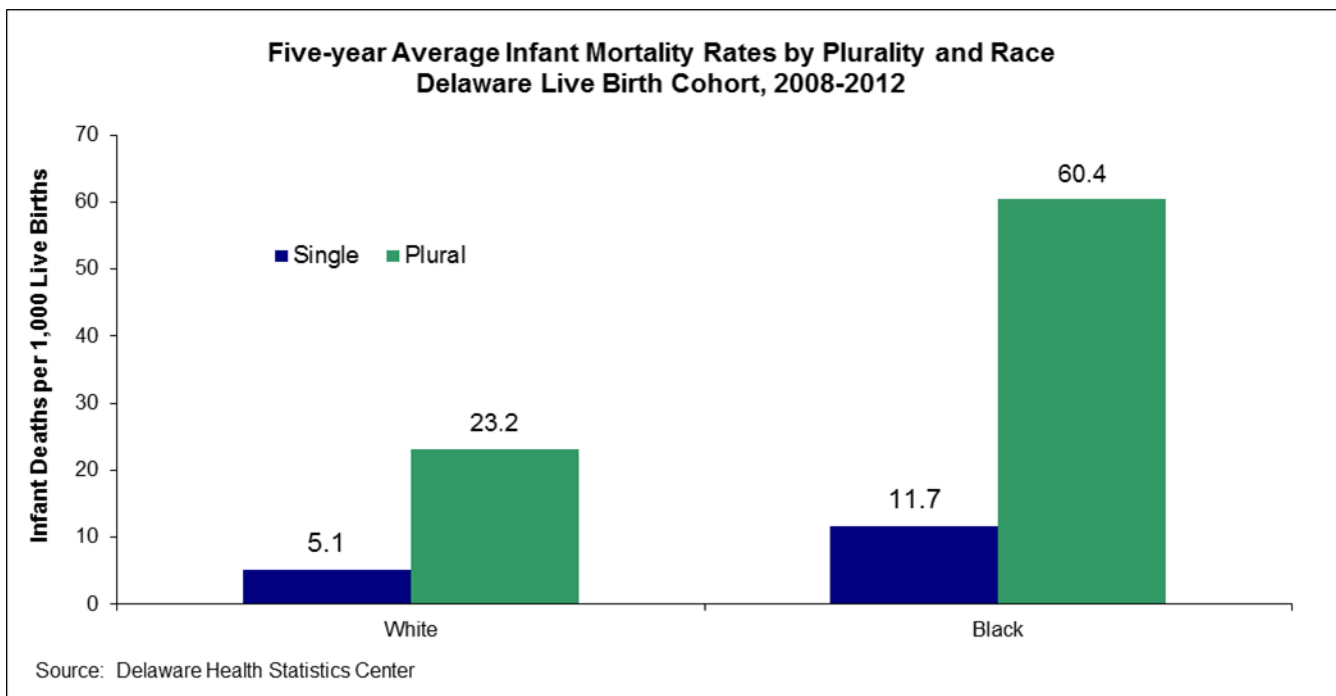
## INFANT MORTALITY - Live Birth Cohort

From 1992-1996 to 1997-2001, IMRs for plural births increased 77 percent, to 53.1 deaths per 1000 live births. During the same time, IMRs for singleton births increased by 5 percent. Since then, plural IMRs, decreased 34 percent, with a gradual increase occurring in 2008-2012. IMRs for singleton births experienced a slight decrease of 1 percent. In 2008-2012, the infant mortality rate for plural births was five times that of singleton births (35 versus 6.9).



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.



**Intentionally left blank**

TABLE E-1  
NUMBER OF INFANT DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1996-2013

Area/ Race	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>U.S.</b>	28237	28045	28371	27937	28035	27568	28034	28025	27936	28440	28527	29138	28059	26412	24586	23985	23629	23446*
All Races	18749	18539	18561	18067	18144	17955	18369	18440	18231	18514	18403	18807	18164	16817	15954	15460	15258	15152*
White	8490	8496	8726	8822	8771	8498	8524	8402	8494	8695	8858	8944	8543	8312	7401	7284	7095	6862*
Black	998	1010	1084	1048	1120	1115	1141	1183	1211	1231	1266	1387	1352	1283	1231	1241	1276	1432*
Other	77	81	103	81	102	114	96	107	97	106	99	91	101	91	88	98	84	68
<b>Delaware</b>	43	42	54	31	65	60	57	53	51	48	50	52	49	30	47	48	34	30
All Races	32	36	49	49	37	53	35	53	44	55	44	38	52	54	36	38	44	34
White	2	3	0	1	0	1	4	1	2	3	5	1	0	7	5	12	6	4
Black	17	14	18	10	21	19	27	16	17	21	13	9	18	18	15	17	17	6
Other	11	4	13	4	16	10	22	8	8	6	7	4	10	6	12	13	7	5
<b>Kent</b>	6	10	5	6	5	9	5	8	8	14	5	4	8	12	3	3	10	1
All Races	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0
White	48	48	65	61	67	72	55	78	60	68	68	60	70	57	58	74	58	48
Black	21	26	27	22	40	37	30	37	33	35	31	33	32	18	24	29	24	17
Other	26	20	38	38	27	35	22	40	27	31	35	27	38	34	30	34	28	28
<b>New Castle</b>	1	2	0	1	0	0	3	1	0	2	2	0	0	5	4	11	6	3
All Races	19	14	18	20	16	17	12	18	12	18	16	17	19	18	18	17	20	14
White	1	4	2	4	4	2	2	4	4	3	2	3	7	0	4	2	8	2
Black	18	10	16	16	12	15	10	14	8	15	14	14	12	16	13	15	11	11
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	1
<b>Balance of NC County</b>	29	34	47	41	51	55	43	60	48	50	52	43	51	39	40	57	38	34
All Races	20	22	25	18	36	35	28	33	29	32	29	30	25	18	20	27	16	15
White	8	10	22	22	15	20	12	26	19	16	21	13	26	18	17	19	17	17
Black	1	2	0	1	0	0	3	1	0	2	2	0	0	3	3	11	5	2
Other	12	19	20	10	14	23	14	13	20	17	18	22	13	16	15	7	9	14
<b>Sussex</b>	11	12	14	5	9	13	5	8	10	7	12	15	7	6	11	6	3	8
All Races	0	6	6	5	5	9	8	5	9	10	4	7	6	8	3	1	6	5
White	1	1	0	0	0	1	1	0	1	0	2	0	0	2	1	0	0	1
Black	1	1	0	0	0	1	1	0	1	0	2	0	0	2	1	0	0	0
Other																		

Notes:

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

Sources:  
National Center for Health Statistics  
Delaware Health Statistics Center

TABLE E-2  
NUMBER OF NEONATAL DEATHS BY RACE

U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1996-2013

Area/ Race	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>U.S.</b>	18326	18524	18918	18728	18776	18265	18749	18893	18593	18770	18989	19058	18211	17255	16188	15954	15886	15893*
All Races	12252	12269	12406	12164	12201	12013	12354	12495	12238	12239	12302	12333	11843	11054	10612	10422	10267	10264*
White	5483	5637	5824	5920	5843	5585	5646	5640	5495	5740	5876	5842	5523	5374	4769	4719	4610	4647*
Black	591	618	688	644	732	667	749	758	860	791	811	883	845	827	807	813	1009	982*
Other	53	55	74	58	71	82	79	75	63	79	72	65	68	66	58	73	66	47
<b>Delaware</b>	28	26	33	21	45	44	48	36	33	36	36	37	32	19	27	30	25	18
All Races	24	27	41	37	26	37	28	38	28	40	33	28	36	40	26	35	35	25
White	1	2	0	0	0	1	3	1	2	3	3	0	0	7	5	8	6	4
Black	13	10	9	8	15	15	22	8	11	14	7	6	12	14	11	13	12	3
All Races	7	1	6	3	11	10	18	3	5	3	4	3	7	4	9	9	4	3
White	6	9	3	5	4	5	4	5	5	10	3	3	5	10	2	3	8	0
Black	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0	0
Other	33	33	47	44	50	54	47	56	39	54	52	43	48	42	36	57	47	34
<b>New Castle</b>	14	19	15	14	29	27	26	27	21	28	22	23	20	13	9	18	20	9
All Races	18	13	32	30	21	27	19	28	18	24	28	20	28	24	23	32	21	22
White	1	1	0	0	0	0	2	1	0	2	2	0	0	5	4	7	6	3
Black	14	6	12	14	13	14	9	10	9	15	12	10	10	14	10	14	18	11
All Races	1	3	1	2	4	1	1	1	3	3	1	1	3	0	0	1	8	2
White	13	3	11	12	9	13	8	9	6	12	11	9	7	12	9	13	9	8
Black	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	1
Other	19	27	35	30	37	40	38	46	30	39	40	33	38	28	26	43	29	23
<b>Balance of NC County</b>	13	16	14	12	25	26	25	26	18	25	21	22	17	13	9	17	12	7
All Races	5	10	21	18	12	14	11	19	12	12	17	11	21	12	14	19	12	14
White	1	1	0	0	0	0	2	1	0	2	2	0	0	3	3	7	5	2
Black	7	12	18	6	6	13	10	11	13	11	13	16	8	10	11	3	7	10
All Races	7	6	12	4	5	7	4	6	7	5	10	11	5	2	9	3	1	6
White	0	5	6	2	1	5	5	5	5	6	2	5	3	6	1	0	6	3
Black	0	1	0	0	0	1	1	0	1	0	1	0	0	2	1	0	0	0
Other																		

INFANT2

**Notes:**  
1. \*Based on NCHS estimate.  
2. Neonatal deaths refer to deaths of children under 28 days of age.

**Sources:**  
National Center for Health Statistics

TABLE E-3  
NUMBER OF POSTNEONATAL DEATHS BY RACE  
U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1996-2013

Area/ Race	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
<b>U.S.</b>																			
All Races	9911	9521	9453	9209	9259	9303	9285	9132	9343	9670	9538	10080	9848	9157	8398	8031	7743	7553*	
White	6497	6270	6155	5903	5943	5943	6015	5945	5993	6275	6101	6474	6321	5763	5342	5038	4991	4888*	
Black	3007	2859	2902	2902	2928	2913	2878	2762	2999	2955	2982	3102	3020	2938	2632	2565	2485	2215*	
Other	407	392	396	404	388	448	392	425	351	440	455	504	507	456	424	428	267	450*	
<b>Delaware</b>																			
All Races	24	26	29	23	31	32	17	32	34	27	27	26	33	25	30	25	18	21	
White	15	16	21	10	20	16	9	17	18	12	14	15	17	11	20	18	9	12	
Black	8	9	8	12	11	16	7	15	16	15	11	10	16	14	10	3	9	9	
Other	1	1	0	1	0	0	1	0	0	0	2	1	0	0	0	4	0	0	
<b>Kent</b>																			
All Races	4	4	9	2	6	4	5	8	6	7	6	3	6	4	4	4	5	3	
White	4	3	7	1	5	0	4	5	3	3	3	1	3	2	3	4	3	2	
Black	0	1	2	1	1	4	1	3	3	4	2	1	3	2	1	0	2	1	
Other	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	
<b>New Castle</b>																			
All Races	15	15	18	17	17	18	8	22	21	14	16	17	22	15	22	17	11	14	
White	7	7	12	8	11	10	4	10	12	7	9	10	12	5	15	11	4	8	
Black	8	7	6	8	6	8	3	12	9	7	7	7	10	10	7	2	7	6	
Other	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	
<b>Wilmington</b>																			
All Races	5	8	6	6	3	3	3	8	3	3	4	7	9	4	8	3	2	3	
White	0	1	1	2	0	1	1	3	1	0	1	2	4	0	4	1	0	0	
Black	5	7	5	4	3	2	2	5	2	3	3	5	5	4	4	2	2	3	
Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Balance of NC County</b>																			
All Races	10	7	12	11	14	15	5	14	18	11	12	10	13	11	14	14	9	11	
White	7	6	11	6	11	9	3	7	11	7	8	8	8	5	11	10	4	8	
Black	3	0	1	4	3	6	1	7	7	4	4	2	5	6	3	0	5	3	
Other	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	4	0	0	
<b>Sussex</b>																			
All Races	5	7	2	4	8	10	4	2	7	6	5	6	5	6	4	4	2	4	
White	4	6	2	1	4	6	1	2	3	2	2	4	2	4	2	3	2	2	
Black	0	1	0	3	4	4	3	0	4	4	2	2	3	2	2	1	0	2	
Other	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	

INFANTS

**Notes:**  
1. \*Based on NCHS estimate.  
2. Postneonatal deaths refer to deaths of children 28 to 364 days of age.

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

TABLE E- 4  
 FIVE-YEAR AVERAGE INFANT MORTALITY RATES BY RACE  
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1993-2013

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	2009 -2013
<b>U.S.</b>																	
All Races	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	6.1
White	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	5.2
Black	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	12.0	11.6
<b>Delaware</b>																	
All Races	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+	7.7+
White	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	5.1
Black	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+	13.4
<b>Kent</b>																	
All Races	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	6.6
White	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	5.7
Black	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	9.2
<b>New Castle</b>																	
All Races	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	8.8
White	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	5.4
Black	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	15.3
<b>Wilmington</b>																	
All Races	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	15.9
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	9.8	---
Black	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	20.3
<b>Balance of NC County</b>																	
All Races	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	7.5
White	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	5.1
Black	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	13.0
<b>Sussex</b>																	
All Races	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	5.4
White	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	3.8
Black	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	10.7

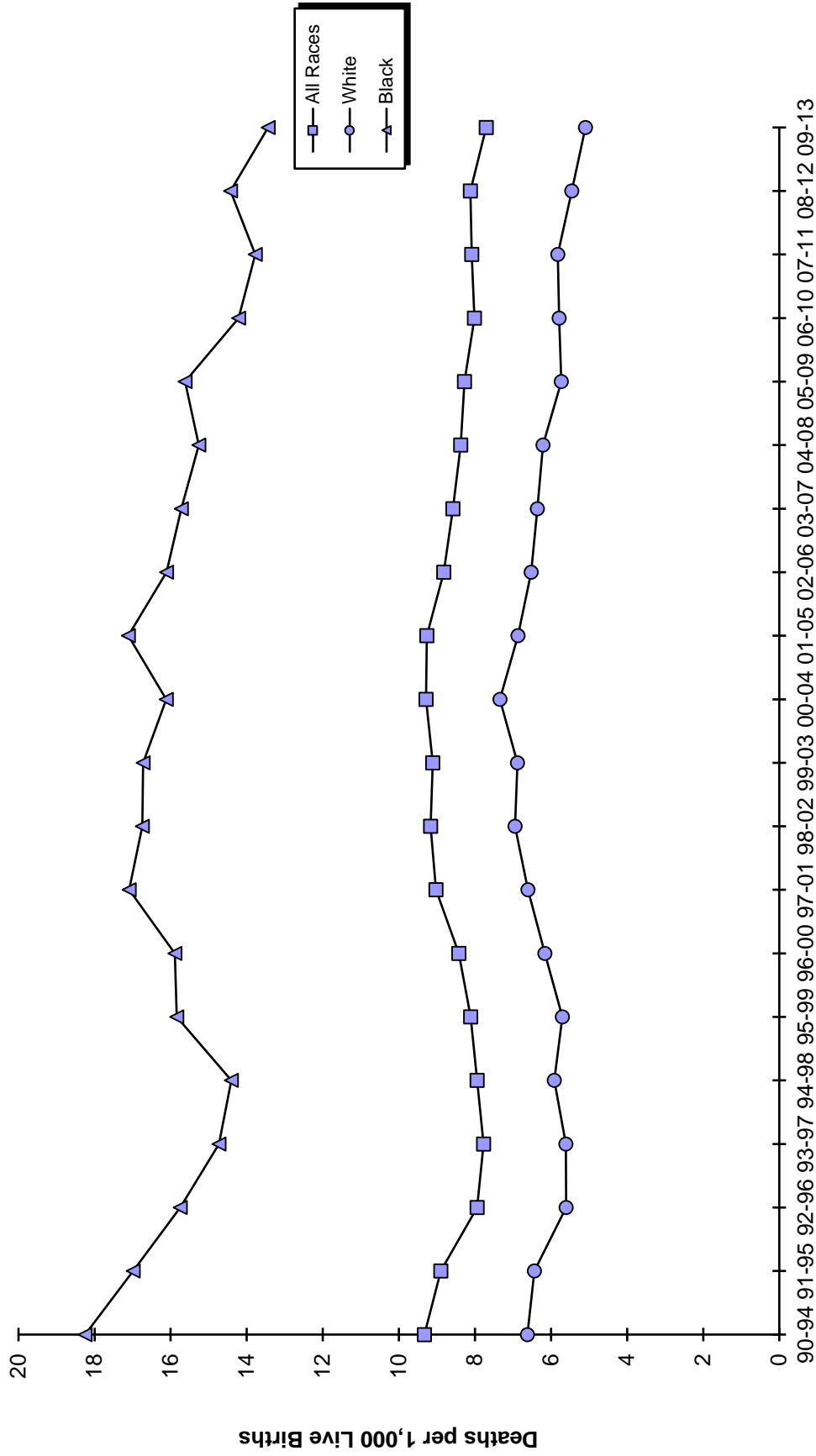
INFANT4

**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

**Figure E-1**  
**Five-Year Average Infant Mortality Rates by Race**

**Delaware, 1990-2013**

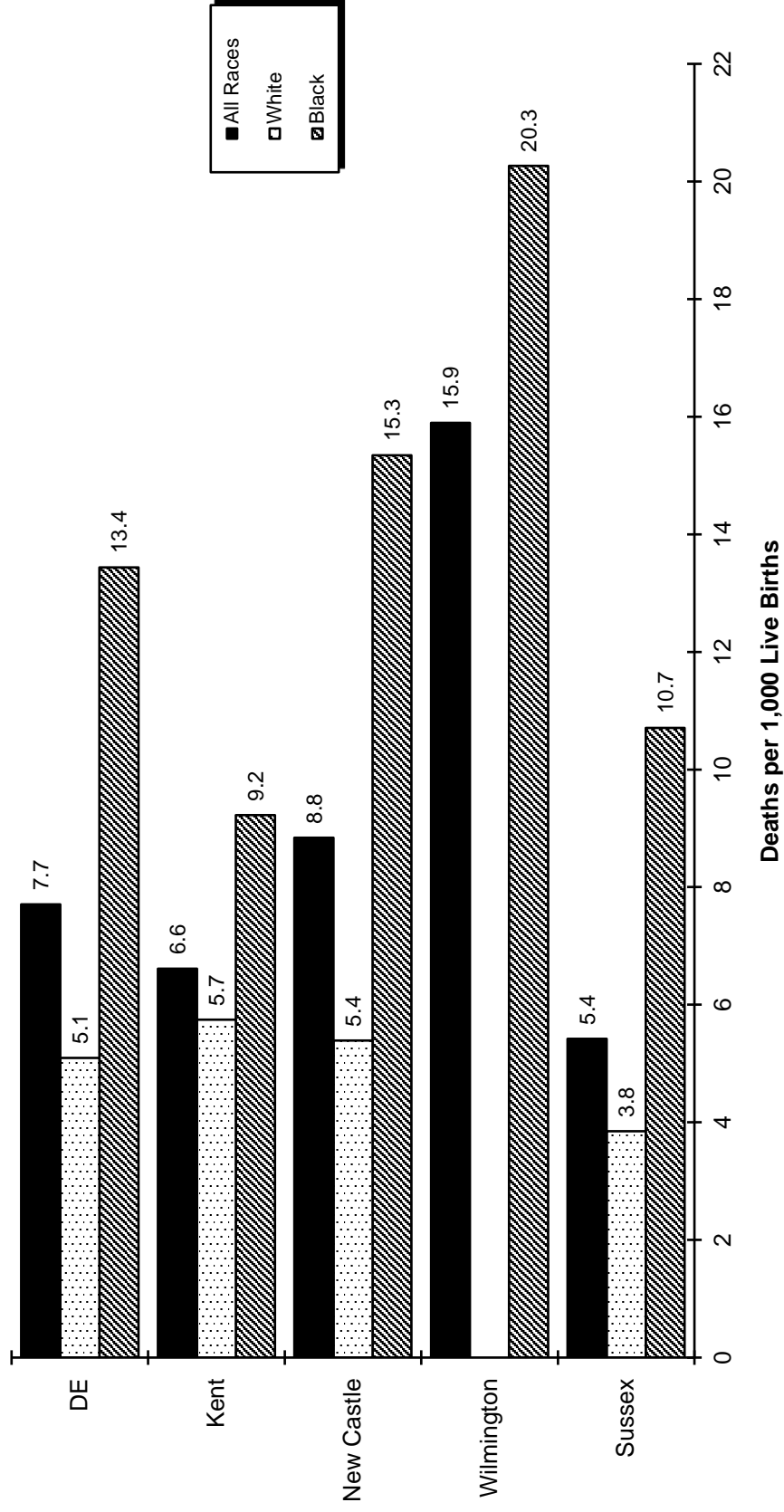


Source:  
 Delaware Health Statistics Center

Five-Year Intervals



**Figure E-2**  
**Five-Year Average Infant Mortality Rates by Race**  
**Delaware, Counties and the City of Wilmington, 2009-2013**



Source:  
 Delaware Health Statistics Center

TABLE E-5  
 FIVE-YEAR AVERAGE NEONATAL MORTALITY RATES BY RACE  
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1993-2013

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	2009 -2013
<b>U.S.</b>																	
All Races	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	4.1
White	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	3.5
Black	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	7.5
<b>Delaware</b>																	
All Races	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+	5.6+
White	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	3.2
Black	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+	10.5+
<b>Kent</b>																	
All Races	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	4.8
White	---	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	3.9
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	7.3
<b>New Castle</b>																	
All Races	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	6.5
White	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	3.3
Black	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	12.2
<b>Wilmington</b>																	
All Races	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	12.2
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	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	15.7
<b>Balance of NC County</b>																	
All Races	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	5.3
White	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	3.1
Black	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	10.5
<b>Sussex</b>																	
All Races	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	3.6
White	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	2.4
Black	---	---	---	---	---	---	---	9.9	12.1	10.8	10.3	9.3	9.8	---	---	---	---

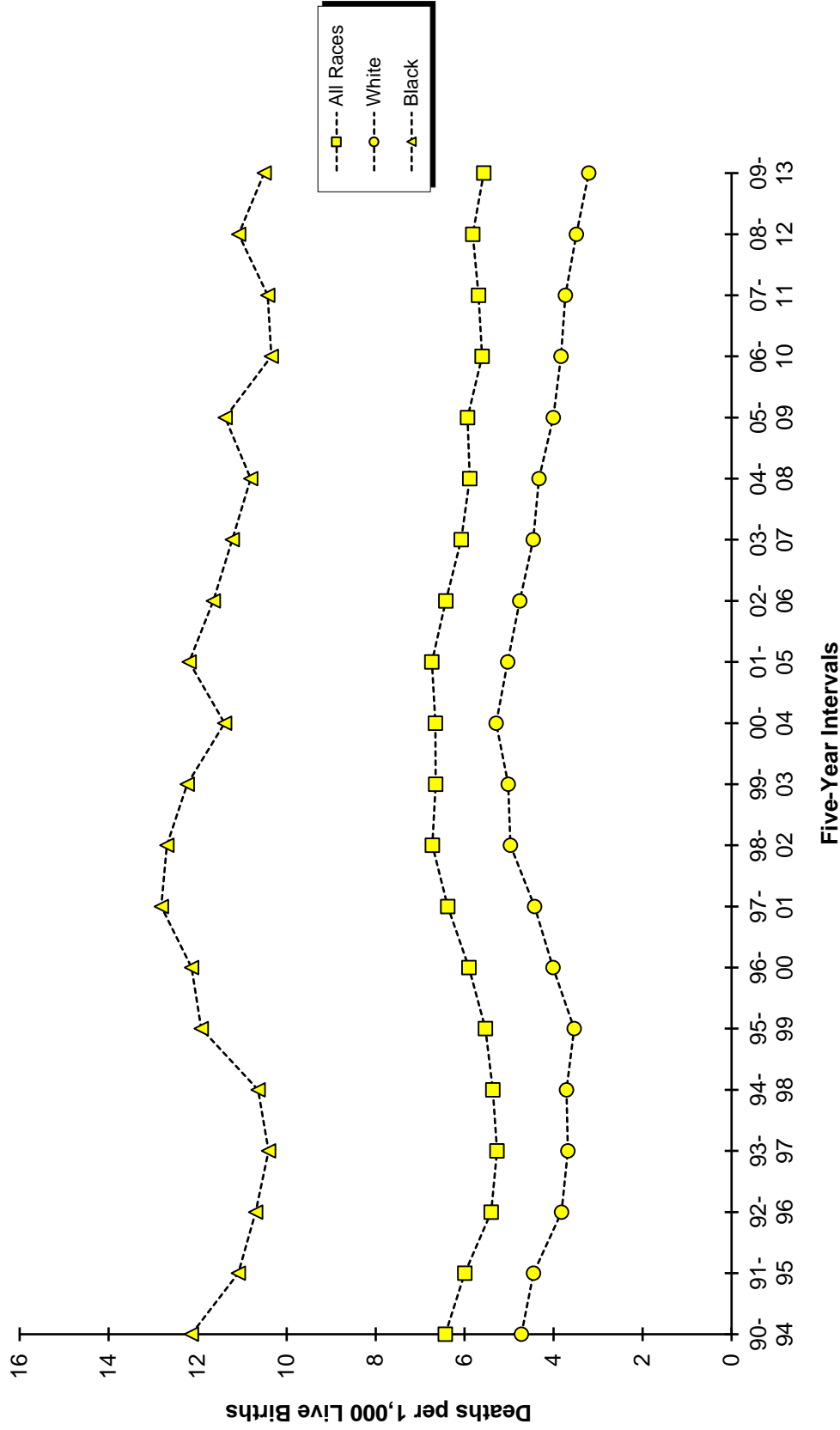
INFANTS

**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, 1990-2013**



Source:  
 Delaware Health Statistics Center

TABLE E-6  
 FIVE-YEAR AVERAGE POSTNEONATAL MORTALITY RATES BY RACE  
 U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 1993-2013

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	2009 -2013
<b>U.S.</b>																	
All Races	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	2.0
White	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	1.7
Black	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	4.4	4.2	4.0
<b>Delaware</b>																	
All Races	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	2.1
White	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	1.9
Black	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	2.9-
<b>Kent</b>																	
All Races	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	1.8
White	3.1	3.7	---	2.9	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>New Castle</b>																	
All Races	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	2.4
White	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	2.1
Black	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	3.2
<b>Wilmington</b>																	
All Races	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	3.7
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	6.5	6.6	6.3	6.2	5.5	---	---	---	---	---	---	---	5.1	5.5	5.5	---	---
<b>Balance of NC County</b>																	
All Races	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	2.1
White	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	2.0
Black	---	---	---	---	---	---	4.0	4.4	4.4	4.0	4.0	3.5	3.3	3.1	---	---	---
<b>Sussex</b>																	
All Races	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	1.8
White	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

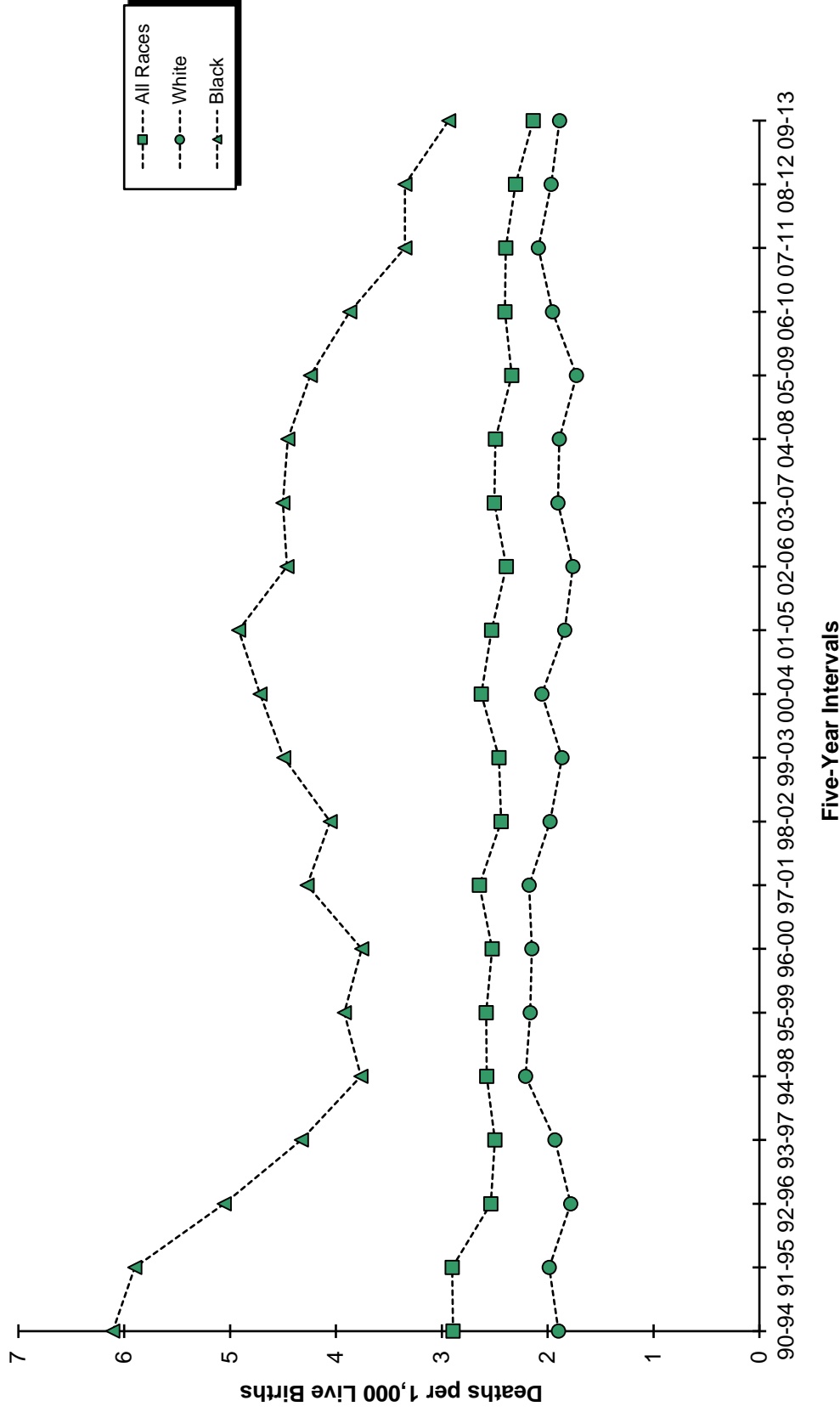
INFANT6

**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, 1990-2013**



Source:  
 Delaware Health Statistics Center

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

DELAWARE, 2008-2012 LIVE BIRTH COHORT

Risk Factor	Race		
	All Races	White	Black
<b>Birth Weight of Child</b>			
<2500	68.2	52.8	89.1
<1500	267.6	222.0	309.2
1500-2499	15.3	16.3	13.4
2500+	2.2	2.2	2.5
<b>Age of Mother</b>			
<20	9.6	6.8	13.2
20-24	8.8	6.5	12.7
25-29	7.5	5.2	14.4
30+	7.2	5.5	14.2
<b>Marital Status of Mother</b>			
Married	6.0	4.9	12.9
Single	9.9	6.9	13.9
<b>Education of Mother</b>			
<12 years	7.5	5.4	13.2
H.S. diploma	11.2	8.0	16.3
1+ years college	6.2	4.9	11.0
<b>Interval Since Last Live Birth</b>			
<18 months	8.4	---	13.4
18+ months	5.4	4.5	8.1

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, 2008-2012 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	112	0	2	1	115	97.4	97.4
Congenital malformations, deformations, and chromosomal abnormalities	12	22	34	0	68	17.6	50.0
Sudden infant death syndrome	1	10	40	0	51	2.0	21.6
Newborn affected by maternal complications of pregnancy	41	1	0	0	42	97.6	100.0
Newborn affected by complications of placenta, cord, and membranes	20	1	1	0	22	90.9	95.5
Diseases of the circulatory system	1	4	7	0	12	8.3	41.7
Respiratory distress of newborn	12	1	1	0	14	85.7	92.9
Atelectasis	5	0	0	0	5	100.0	100.0
Accidents (unintentional injuries)	1	0	6	0	7	14.3	14.3
Bacterial sepsis of newborn	6	0	2	0	8	75.0	75.0
Intrauterine hypoxia and birth asphyxia	4	0	2	1	7	57.1	57.1
Neonatal hemorrhage	3	0	0	0	3	100.0	100.0
Septicemia	1	1	1	0	3	33.3	66.7
Diarrhea and gastroenteritis of infectious origin	5	0	1	0	6	83.3	83.3
Gastritis, duodenitis, and noninfective enteritis and colitis	1	1	0	0	2	50.0	100.0
Newborn affected by other complications of labor and delivery	4	0	0	0	4	100.0	100.0
Renal failure and other disorders of kidney period	2	0	0	0	2	100.0	100.0
	3	0	0	0	3	100.0	100.0
Necrotizing enterocolitis of newborn	3	0	0	0	3	100.0	100.0
Assault (homicide)	0	0	3	0	3	0.0	0.0
All other causes	30	8	29	0	67	44.8	56.7
TOTAL	267	49	129	2	447	59.7	70.7

**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, 1993-2012

Parameter/ 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>BIRTHWEIGHT</b>																
<b>2500+</b>																
All Races	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	2.2
White	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	2.2
Black	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	2.5
<b>&lt;2500</b>																
All Races	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	68.2
White	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	52.8
Black	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	89.1
<b>&lt;1500</b>																
All Races	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	267.6
White	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	222.0
Black	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	309.2
<b>GESTATION</b>																
<b>37+ weeks</b>																
All Races	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	2.6
White	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	2.7
Black	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	2.8
<b>&lt;37 weeks</b>																
All Races	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	45.5
White	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	30.9
Black	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	69.7
<b>&lt;32 weeks</b>																
All Races	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	198.7
White	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	144.2
Black	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	250.4
<b>PLURALITY</b>																
<b>Single</b>																
All Races	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	6.9
White	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	5.1
Black	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	11.7
<b>Plural</b>																
All Races	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	35.0
White	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	23.2
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	60.4
<b>SMOKING DURING PREGNANCY</b>																
<b>No</b>																
All Races	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	7.4
White	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	5.4
Black	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	13.2
<b>Yes</b>																
All Races	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	10.0
White	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	7.6
Black	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	15.9



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

DELAWARE LIVE BIRTH COHORT, 1993-2012

Parameter/ 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>EDUCATION</b>																
<b>HS Grad or less</b>																
All Races	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	9.5
White	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	6.7
Black	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	15.1
<b>1+ yrs college</b>																
All Races	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	6.2
White	3.9	3.7	3.6	4.1	4.6	4.7	4.7	5.0	5.0	4.5	4.1	4.2	4.1	4.3	4.6	4.9
Black	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	11.0
<b>PAYMENT FOR DELIVERY</b>																
<b>Medicaid</b>																
All Races	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	8.8
White	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	6.3
Black	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	13.3
<b>Private Insurance</b>																
All Races	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	6.6
White	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	4.9
Black	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	14.6

COTREND COTREND

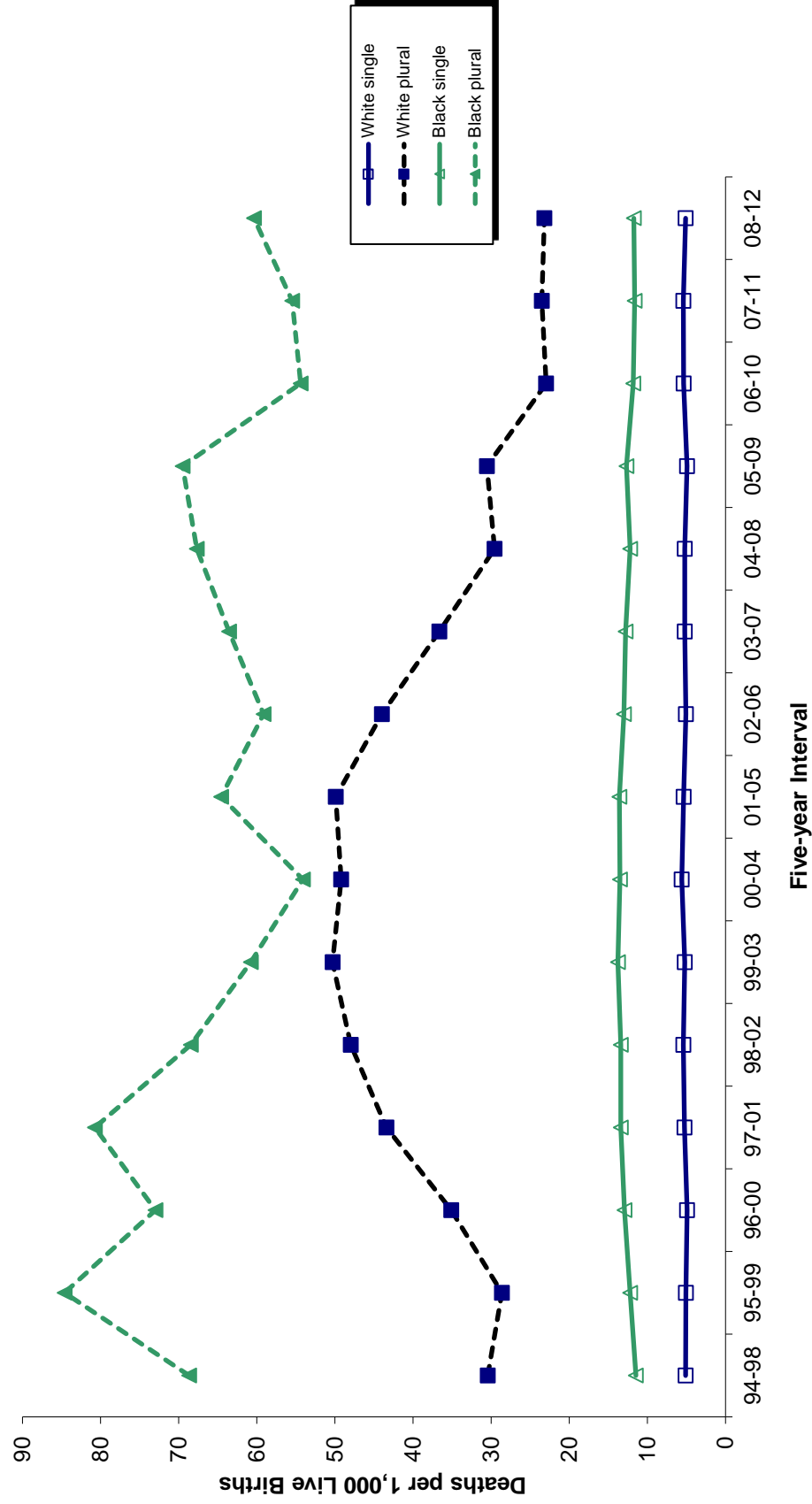
**Notes:**

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

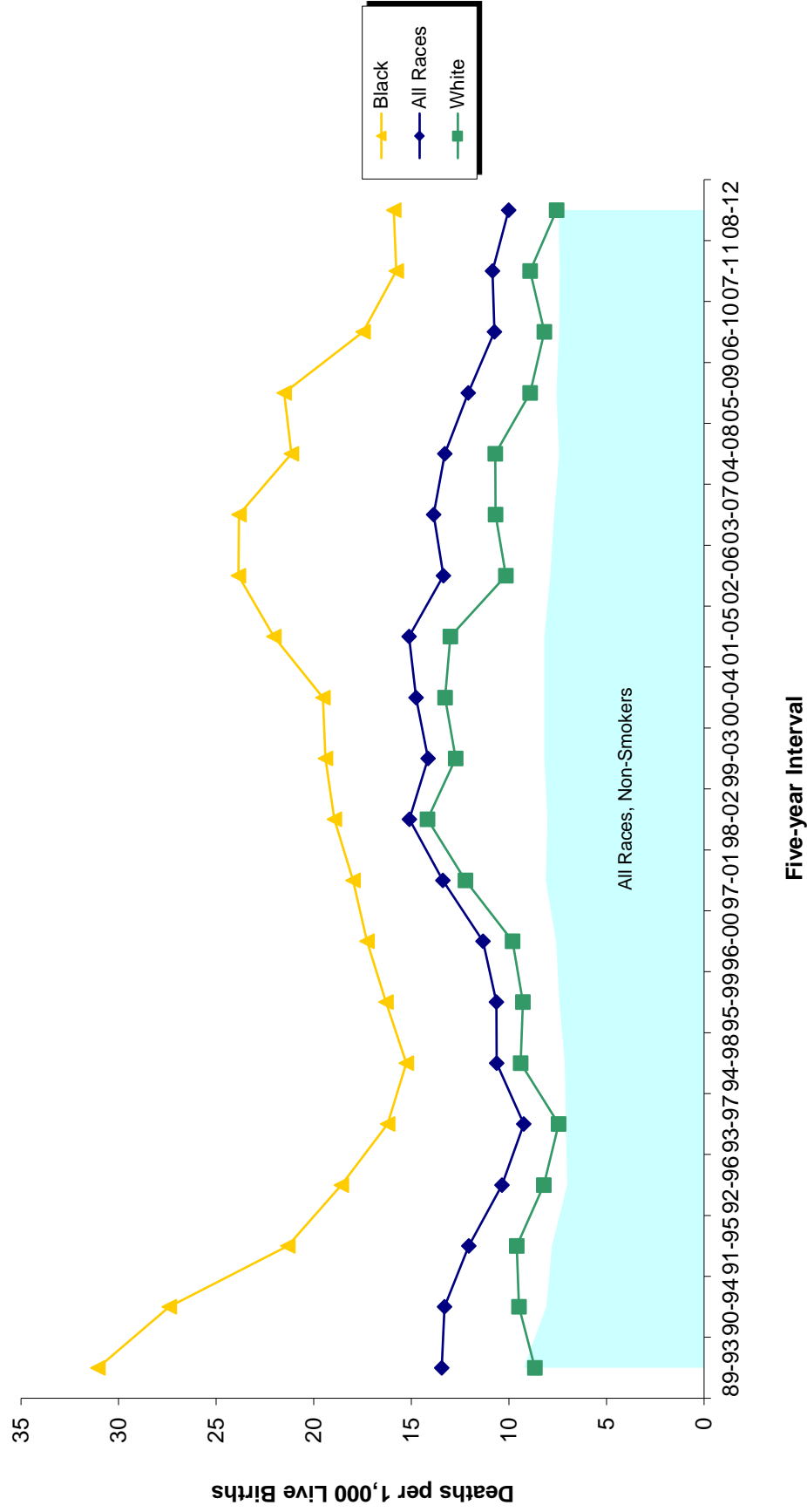
**Figure E-5**  
**Five-year Average Infant Mortality Rates by Race and Plurality**  
**Delaware, 1994-2012 Live Birth Cohort**



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, 1989-2012 Live Birth Cohort**

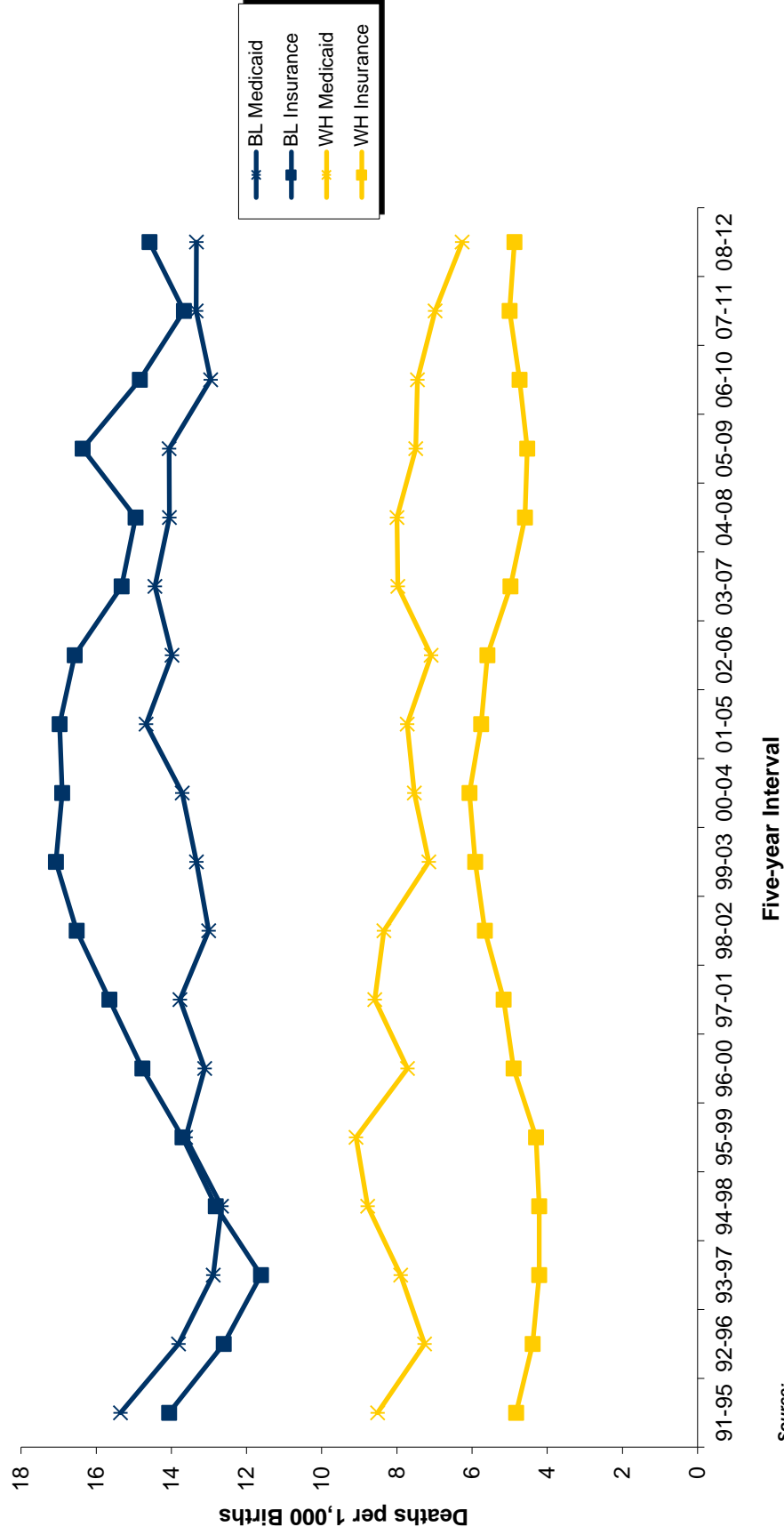


**Source:**  
 Delaware Health Statistics Center

**Five-year Interval**

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

**Delaware, 1991-2012 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, 2008-2012 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>	447	248	199	218	121	97	212	114	98	17	13
<2500	332	188	144	138	82	56	178	94	84	16	12
<1500	273	160	113	103	67	36	158	84	74	12	9
<500	130	69	61	38	19	19	84	44	40	8	6
500-999	121	77	44	50	37	13	67	37	30	4	3
1000-1499	22	14	8	15	11	4	7	3	4	0	0
1500-1999	29	15	14	19	10	9	8	4	4	2	1
2000-2499	30	13	17	16	5	11	12	6	6	2	2
2500+	113	58	55	78	37	41	34	20	14	1	1
2500-2999	41	18	23	27	13	14	13	4	9	1	1
3000-3499	42	22	20	25	10	15	17	12	5	0	0
3500-3999	26	14	12	22	10	12	4	4	0	0	0
4000-4499	3	3	0	3	3	0	0	0	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	2	2	0	2	2	0	0	0	0	0	0
<b>Single Births</b>	379	212	167	189	103	86	175	97	78	15	12
<2500	271	154	117	114	65	49	143	78	65	14	11
<1500	216	128	88	80	51	29	126	69	57	10	8
<500	104	54	50	33	16	17	65	33	32	6	5
500-999	96	64	32	38	28	10	54	33	21	4	3
1000-1499	16	10	6	9	7	2	7	3	4	0	0
1500-1999	29	15	14	19	10	9	8	4	4	2	1
2000-2499	26	11	15	15	4	11	9	5	4	2	2
2500+	106	56	50	73	36	37	32	19	13	1	1
2500-2999	38	17	21	25	12	13	12	4	8	1	1
3000-3499	39	21	18	23	10	13	16	11	5	0	0
3500-3999	25	14	11	21	10	11	4	4	0	0	0
4000-4499	3	3	0	3	3	0	0	0	0	0	0
4500+	1	1	0	1	1	0	0	0	0	0	0
Unknown	2	2	0	2	2	0	0	0	0	0	0
<b>Plural Births</b>	68	36	32	29	18	11	37	17	20	2	1
<2500	61	34	27	24	17	7	35	16	19	2	1
<1500	57	32	25	23	16	7	32	15	17	2	1
<500	26	15	11	5	3	2	19	11	8	2	1
500-999	25	13	12	12	9	3	13	4	9	0	0
1000-1499	6	4	2	6	4	2	0	0	0	0	0
1500-1999	0	0	0	0	0	0	0	0	0	0	0
2000-2499	4	2	2	1	1	0	3	1	2	0	0
2500+	7	2	5	5	1	4	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	1	0	1	1	0	1	0	0	0	0	0
4000-4499	0	0	0	0	0	0	0	0	0	0	0
4500+	0	0	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0

PLBWRC SX

**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, 2008-2012 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>	326	189	137	141	84	57	168	92	76	17	13
<2500	288	165	123	116	70	46	156	83	73	16	12
<1500	254	149	105	96	62	34	146	78	68	12	9
<500	130	69	61	38	19	19	84	44	40	8	6
500-999	105	68	37	45	33	12	56	32	24	4	3
1000-1499	19	12	7	13	10	3	6	2	4	0	0
1500-1999	18	9	9	10	5	5	6	3	3	2	1
2000-2499	16	7	9	10	3	7	4	2	2	2	2
2500+	36	22	14	23	12	11	12	9	3	1	1
2500-2999	14	9	5	10	6	4	3	2	1	1	1
3000-3499	12	5	7	6	1	5	6	4	2	0	0
3500-3999	8	6	2	5	3	2	3	3	0	0	0
4000-4499	2	2	0	2	2	0	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>Single Births</b>	267	156	111	116	68	48	136	76	60	15	12
<2500	232	133	99	94	55	39	124	67	57	14	11
<1500	199	118	81	74	47	27	115	63	52	10	8
<500	104	54	50	33	16	17	65	33	32	6	5
500-999	81	55	26	33	24	9	44	28	16	4	3
1000-1499	14	9	5	8	7	1	6	2	4	0	0
1500-1999	18	9	9	10	5	5	6	3	3	2	1
2000-2499	15	6	9	10	3	7	3	1	2	2	2
2500+	33	21	12	20	11	9	12	9	3	1	1
2500-2999	13	8	5	9	5	4	3	2	1	1	1
3000-3499	10	5	5	4	1	3	6	4	2	0	0
3500-3999	8	6	2	5	3	2	3	3	0	0	0
4000-4499	2	2	0	2	2	0	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>	59	33	26	25	16	9	32	16	16	2	1
<2500	56	32	24	22	15	7	32	16	16	2	1
<1500	55	31	24	22	15	7	31	15	16	2	1
<500	26	15	11	5	3	2	19	11	8	2	1
500-999	24	13	11	12	9	3	12	4	8	0	0
1000-1499	5	3	2	5	3	2	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0

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

**Source:**  
Delaware Health Statistics Center

NEOPLBW

**Intentionally left blank**

The background of the slide consists of a series of parallel, diagonal gray lines that slope downwards from left to right. The lines are evenly spaced and cover the entire area of the slide.

# Mortality

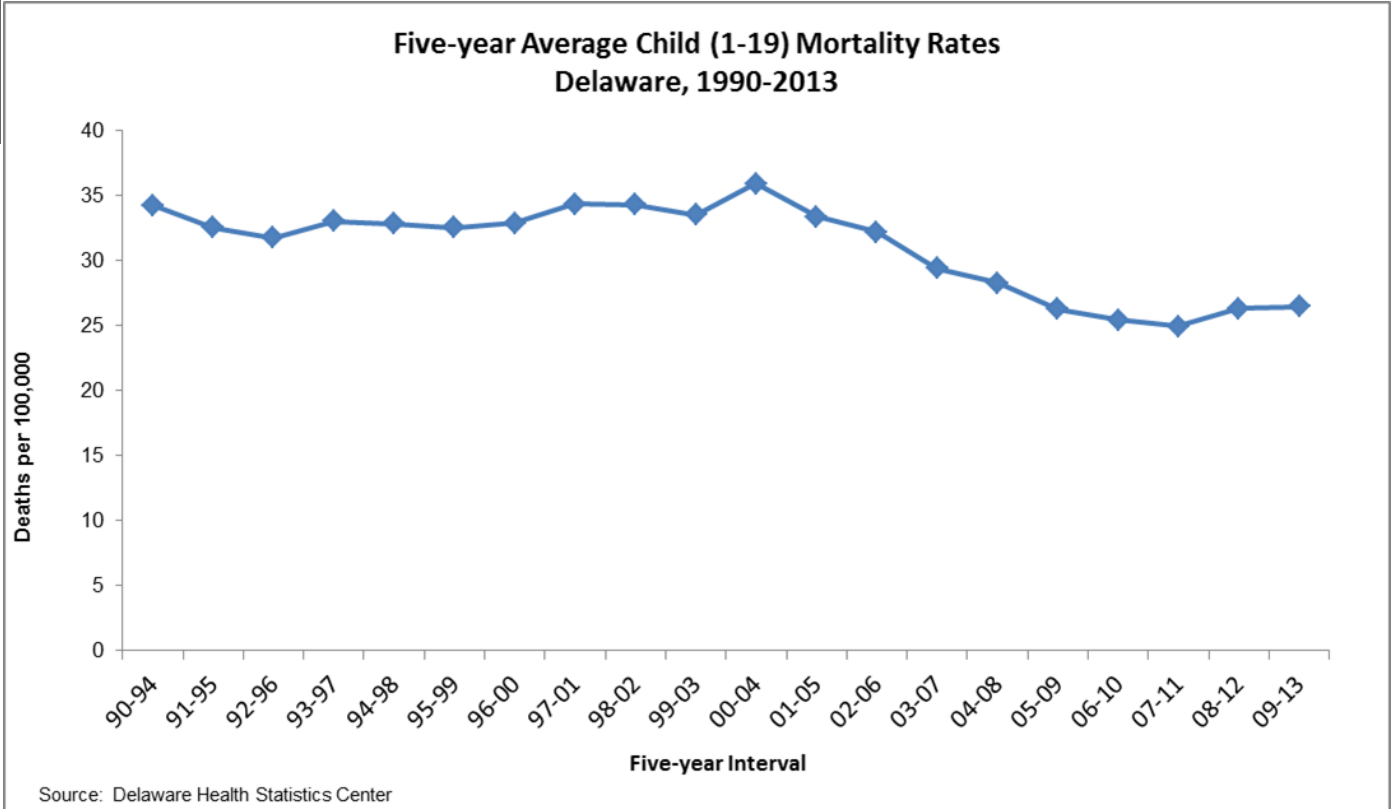


**Intentionally left blank**

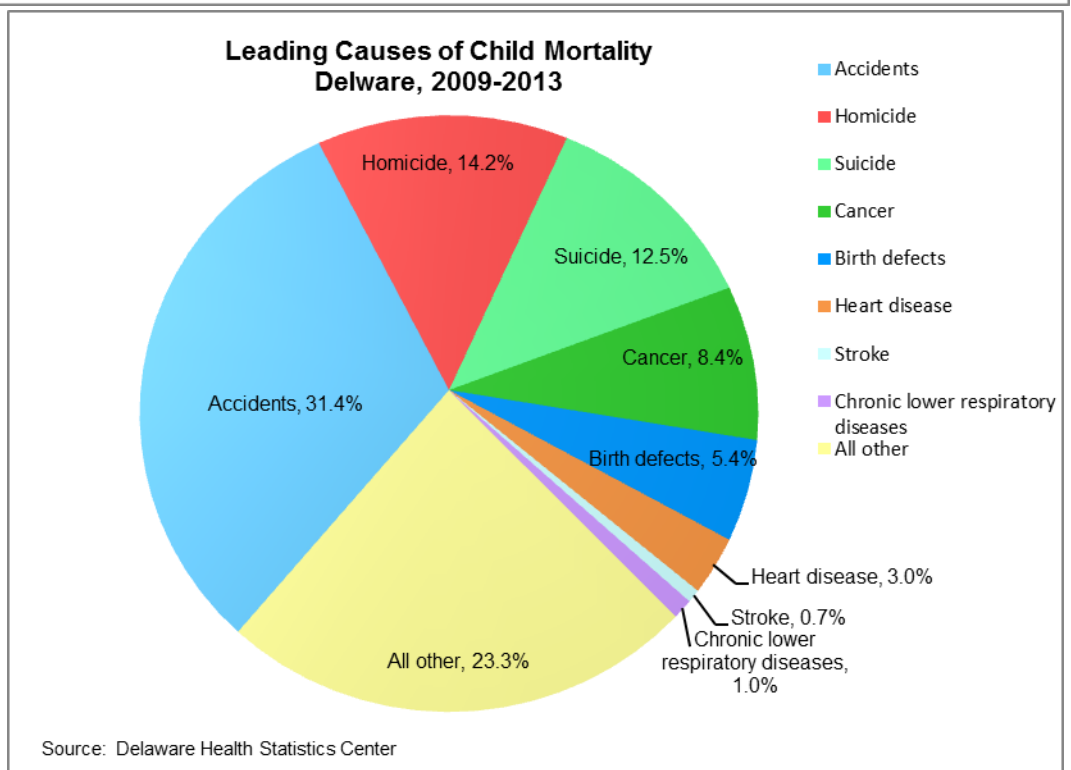
## CHILD MORTALITY

From 2009 to 2013, 296 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 63 percent of all child deaths in 2008-2013.

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

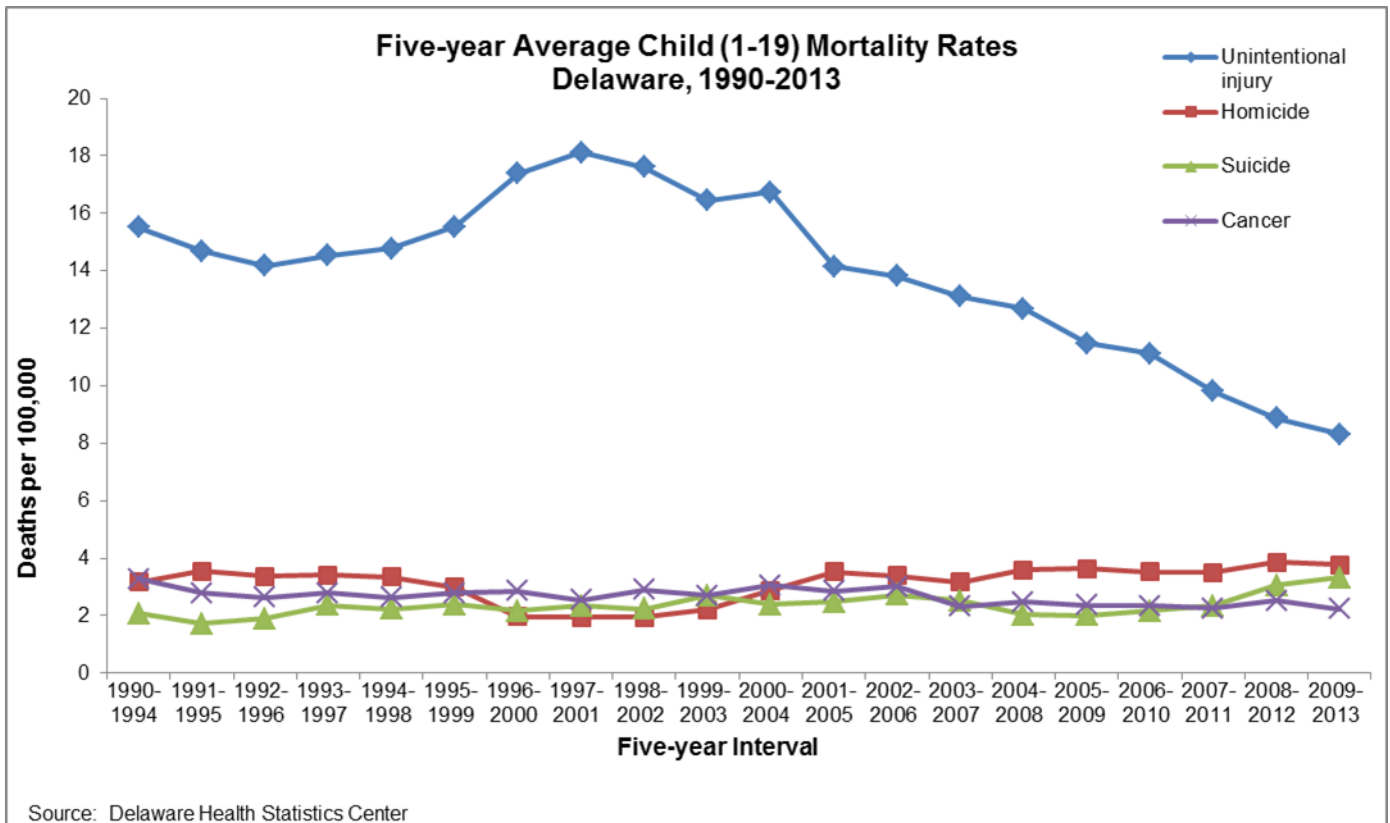


Accidents, homicide, cancer, and suicide were the four most common causes of child mortality in 2009-2013. Together, they accounted for two-thirds of all child deaths.



## CHILD MORTALITY

From 2001-2005 to 2009-2013, unintentional injury mortality rates declined by 41 percent, whereas suicide mortality rates increased 32 percent. Homicide rates increased by 8 percent while cancer rates decreased 21 percent.



Detailed manner of the most common causes of child deaths in 2009-2013:

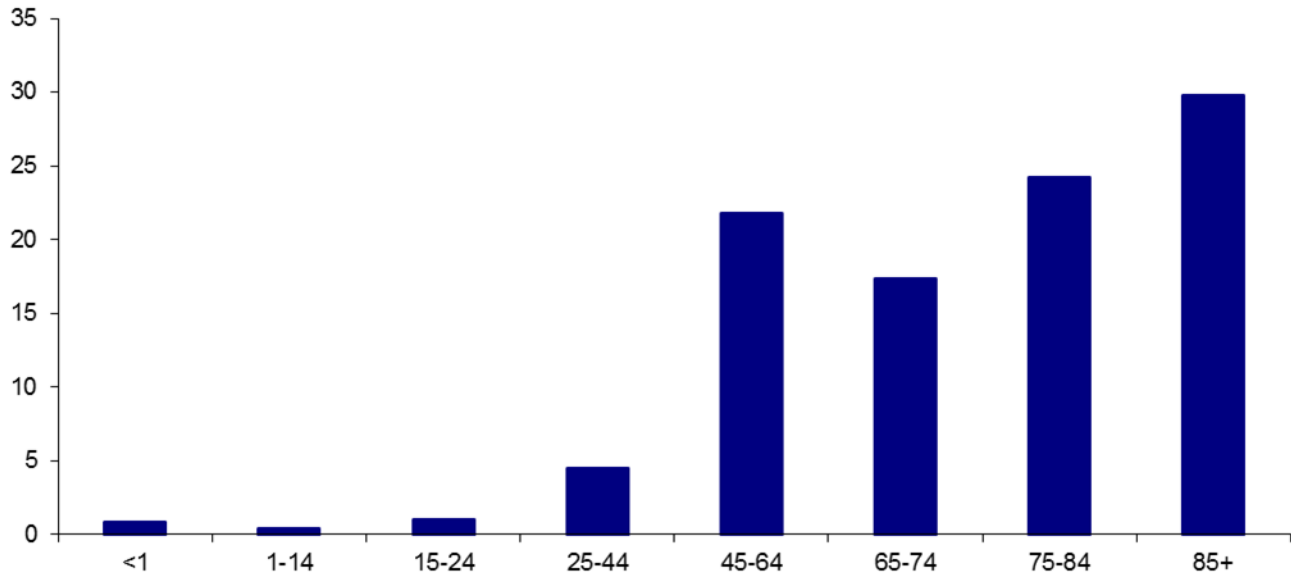
- Motor vehicle crashes accounted for 65 percent of all deaths due to unintentional injuries. The second and third most common causes of unintentional injury deaths of children were poisoning and drowning, which accounted for 11 and 6 percent of deaths, respectively.
- Firearms and fire/burning accounted for over 88 percent of all homicides, 81 and 7 percent, respectively.
- The majority of child cancer deaths were due to brain cancer (44 percent) and leukemia (16 percent).
- Suffocation, followed by firearms, were the most common methods of suicide, and accounted for 54 and 32 percent of the total suicide deaths.

## MORTALITY

More Delaware residents died in 2013 than in 2012. A total of 7,967 residents died, 68 of whom were infants under the age of 1. Deaths for males were higher than females (4,031 vs 3,936). Cancer and heart disease were the most common causes of death, accounting for 47 percent of all deaths in 2013.

- Thirty percent of the Delawareans who died in 2013 were 85 or older. Deaths of those 75 and older accounted for more than half of all deaths.

**Percent of Deaths by Age  
Delaware, 2013**



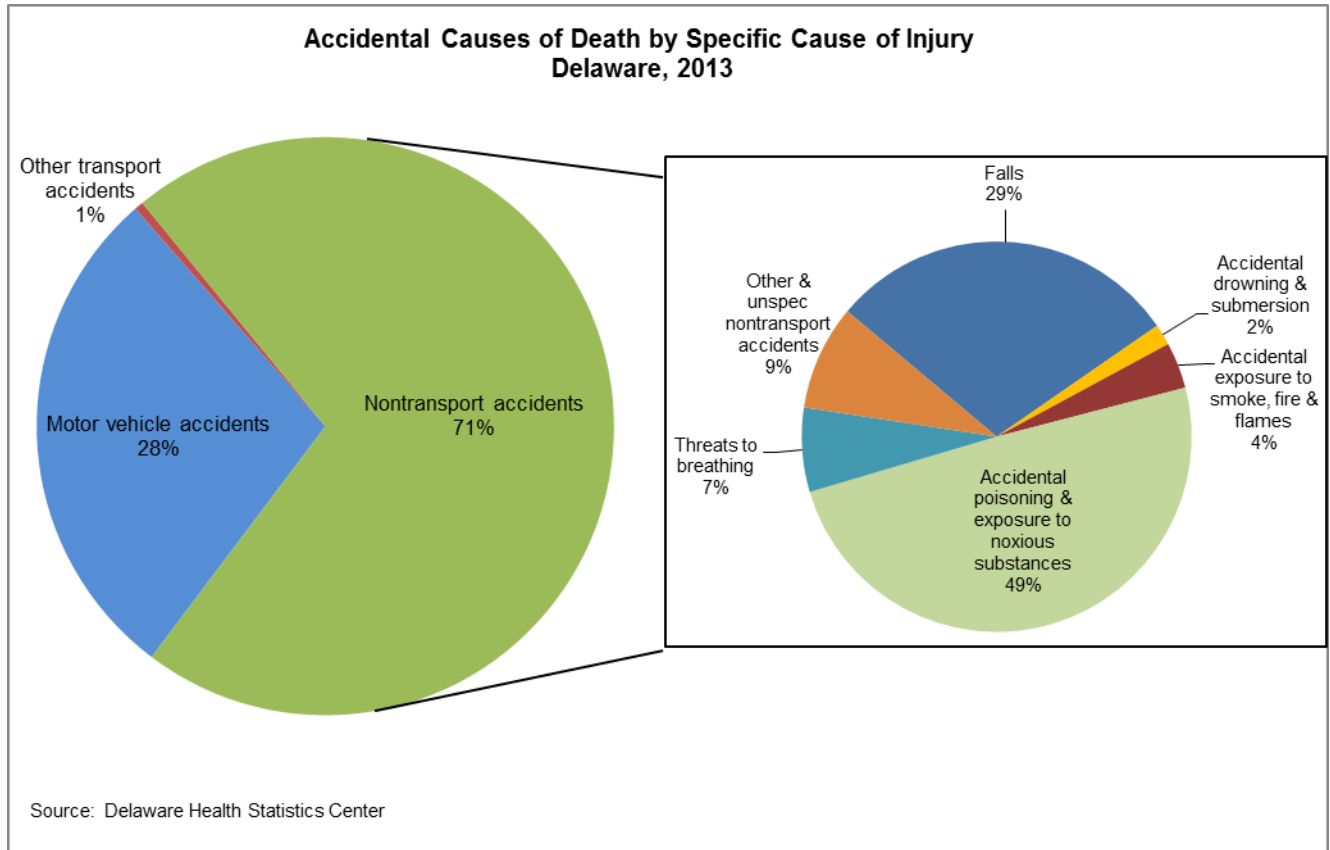
Source: Delaware Health Statistics Center

- A Delaware resident born in 2013 could expect to live an average of 78.9 years.
- Life expectancy at birth varied by race and sex; white females had the highest life expectancy (81.8) while black males had the lowest (73.5).
- In 1989, 80 percent of Delaware decedents were buried and 15 percent were cremated. By 2013, the distribution had shifted: 50 percent of decedents were buried and 45 percent were cremated.
- In 2013, the 10 leading causes of death for residents of all ages changed slightly from the top 10 in 2012. Intentional self-harm (suicide) dropped out of the top ten, shifting septicemia and influenza into the ninth and tenth leading causes of death.

Rank	Leading Cause of Death	Number
1	Malignant neoplasms	1903
2	Diseases of heart	1864
3	Chronic lower respiratory diseases	483
4	Cerebrovascular diseases	409
5	Accidents (unintentional injuries)	403
6	Diabetes mellitus	218
7	Alzheimer's disease	192
8	Nephritis, nephrotic syndrome & nephrosis	178
9	Septicemia	157
10	Influenza & pneumonia	150

## MORTALITY

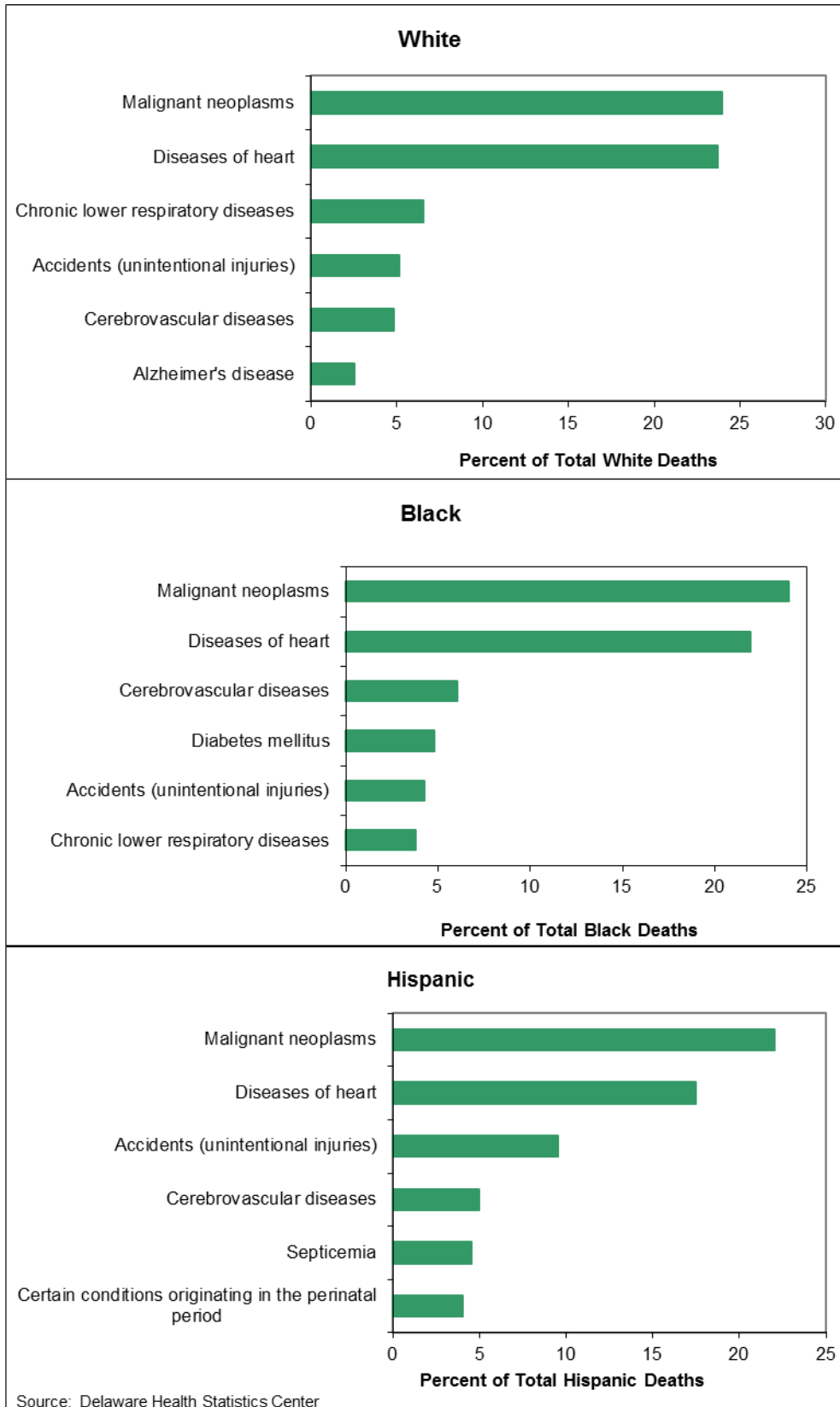
- There were 403 deaths due to unintentional injury in 2013 (5.1 percent of all deaths); 28 percent were due to motor vehicle accidents and 71 percent were due to non-transport accidents. Over one-third of the 287 non-transport accidents were caused by unintentional poisonings; the majority (87 percent) of unintentional poisonings were drug-induced poisonings.
- For the fifth year, unintentional poisonings surpassed motor vehicle injuries and became the leading cause of unintentional injury death in 2013.
  - \* For all whites and black females, poisonings caused the most unintentional injuries, followed by either motor vehicle accidents or falls. For black males, motor vehicle accidents caused the greatest number of unintentional injuries.



- In 2009-2013, accidents were the number one cause of death for people 1-44 years of age, and they were responsible for 38 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 nearly three-quarters of total deaths.

## MORTALITY

The leading causes of death varied by race and ethnic group. In 2013, the most common causes of death for white, black, and Hispanic Delawareans were:

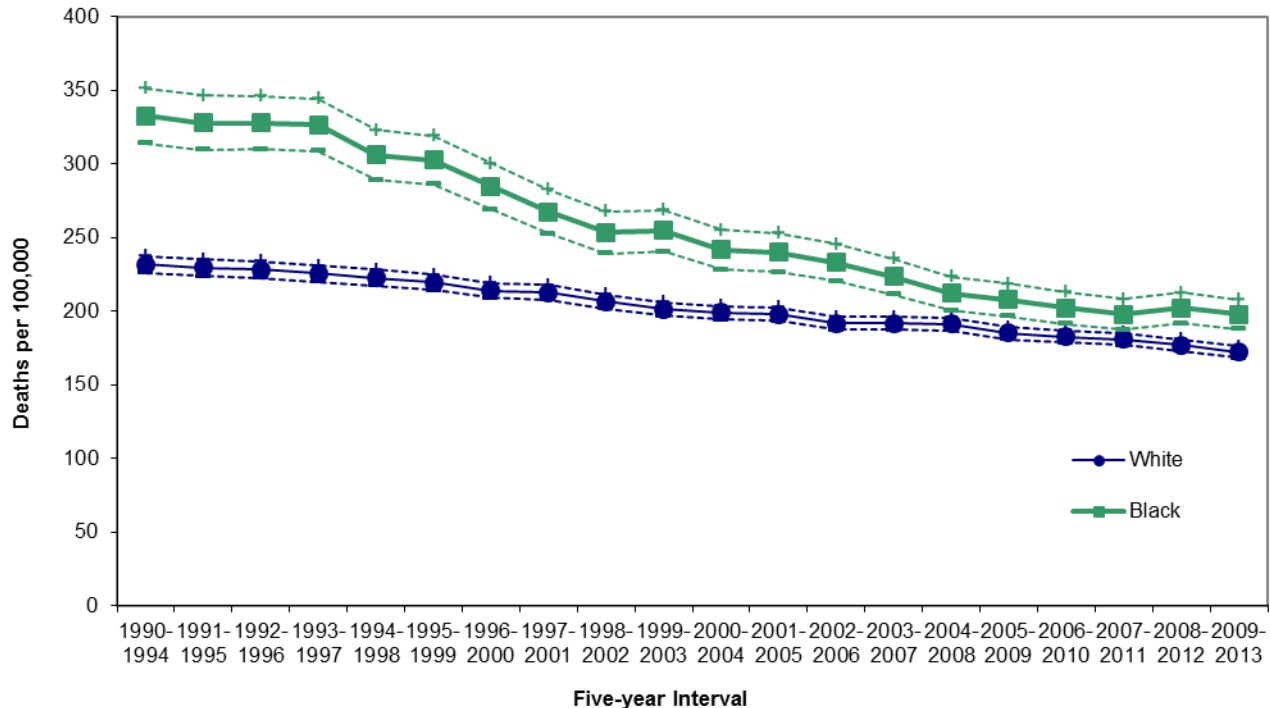


## MORTALITY

Cancer mortality rates have decreased in all three counties since the early 1990s, though most recently Kent County rates decreased 4 percent. In 2009-2012, the five year age-adjusted cancer mortality rates ranged from 158.0 in Sussex County to 199.6 deaths per 100,000 population in Kent County.

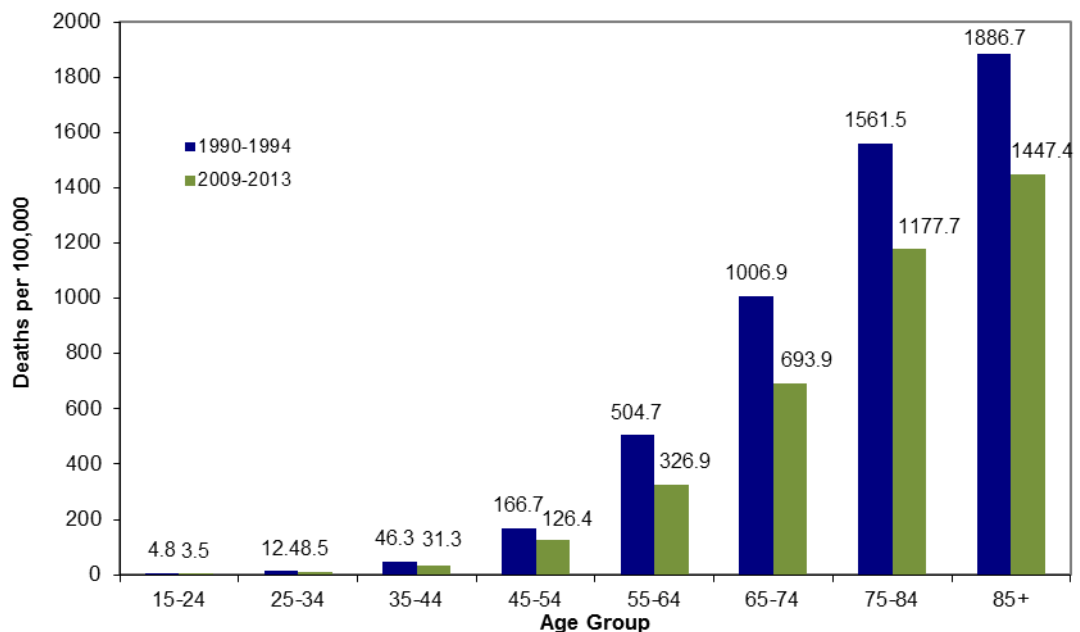
Cancer mortality rates for black and white decedents followed the same declining trend, and though the gap between black and white cancer mortality rates has narrowed, black cancer mortality rates in 2009-2013 remained higher than white rates.

**Five-year Age-Adjusted Cancer Mortality Rates by Race  
Delaware, 1990-2013**



Source: Delaware Health Statistics Center

**Five-year Average Age-Specific Cancer Mortality Rates  
Delaware, 1990-1994 and 2009-2013**



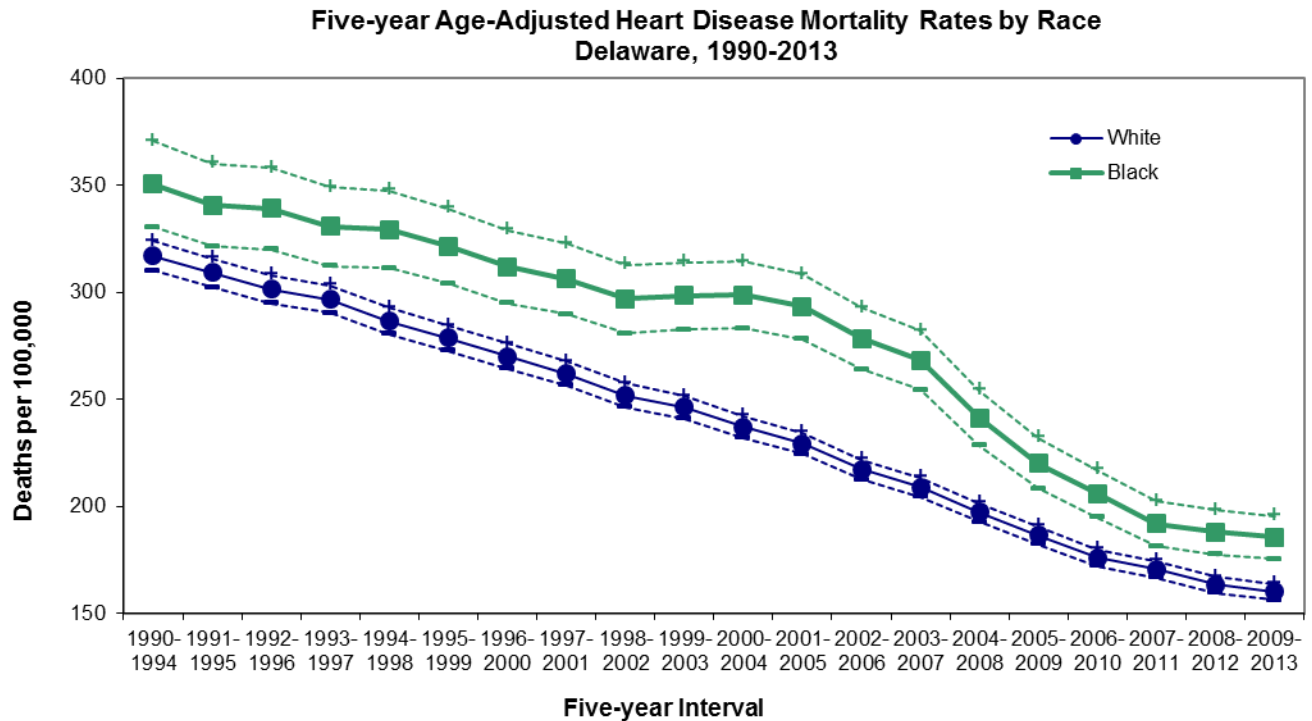
Source: Delaware Health Statistics Center

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

Cancer mortality rates declined for all age groups between 1990-1994 and 2009-2013. The 25-34 and 55-64 age groups experienced the largest decreases.

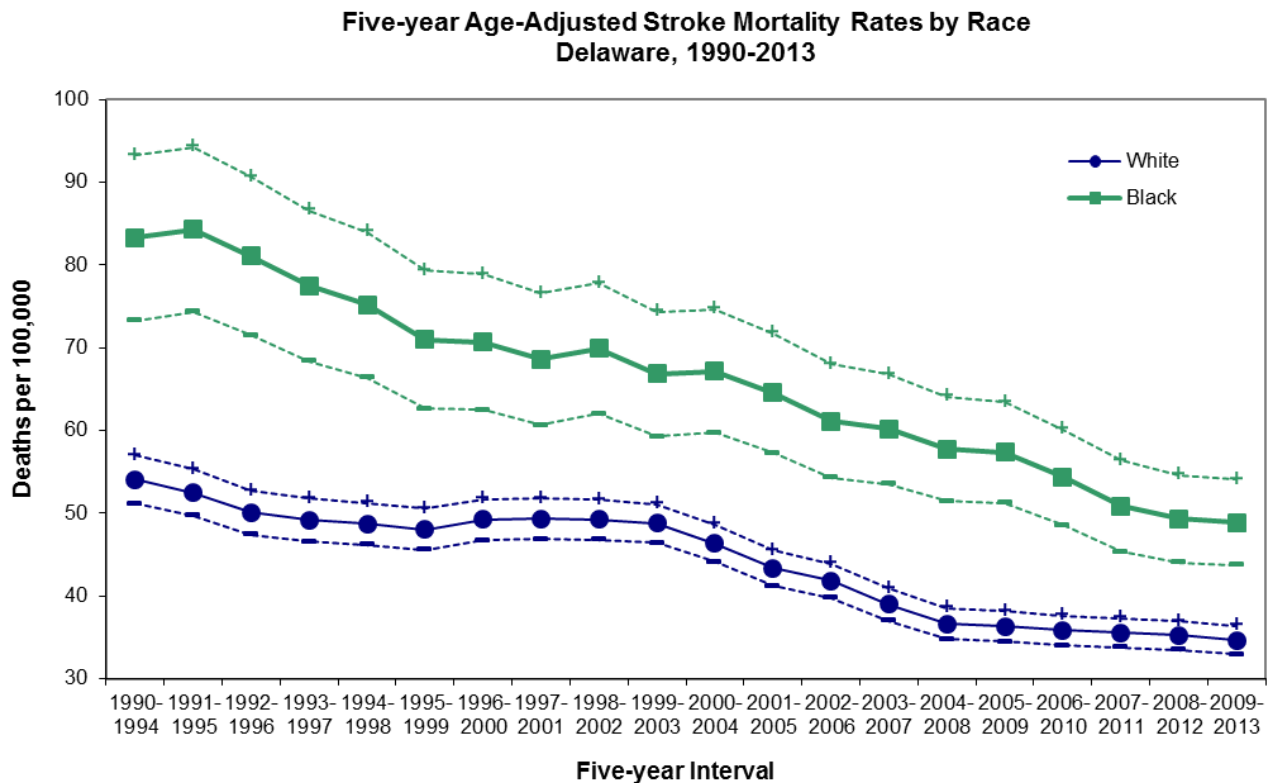
## MORTALITY

Heart disease was the second most common cause of death for both black and white Delawareans in 2009-2013. Both black and white heart disease mortality rates have declined significantly since 1990-1994, with white rates declining 49.5 percent and black rates declining 47.1 percent.



Source: Delaware Health Statistics Center

Stroke mortality rates for both races continued their declining trends between 1990-1994 and 2009-2013, with rates for white and black races decreasing 36 and 49 percent, respectively. In 2009-2013, the black stroke mortality rate remained approximately 34 percent higher than white rate (48.9 versus 34.7).



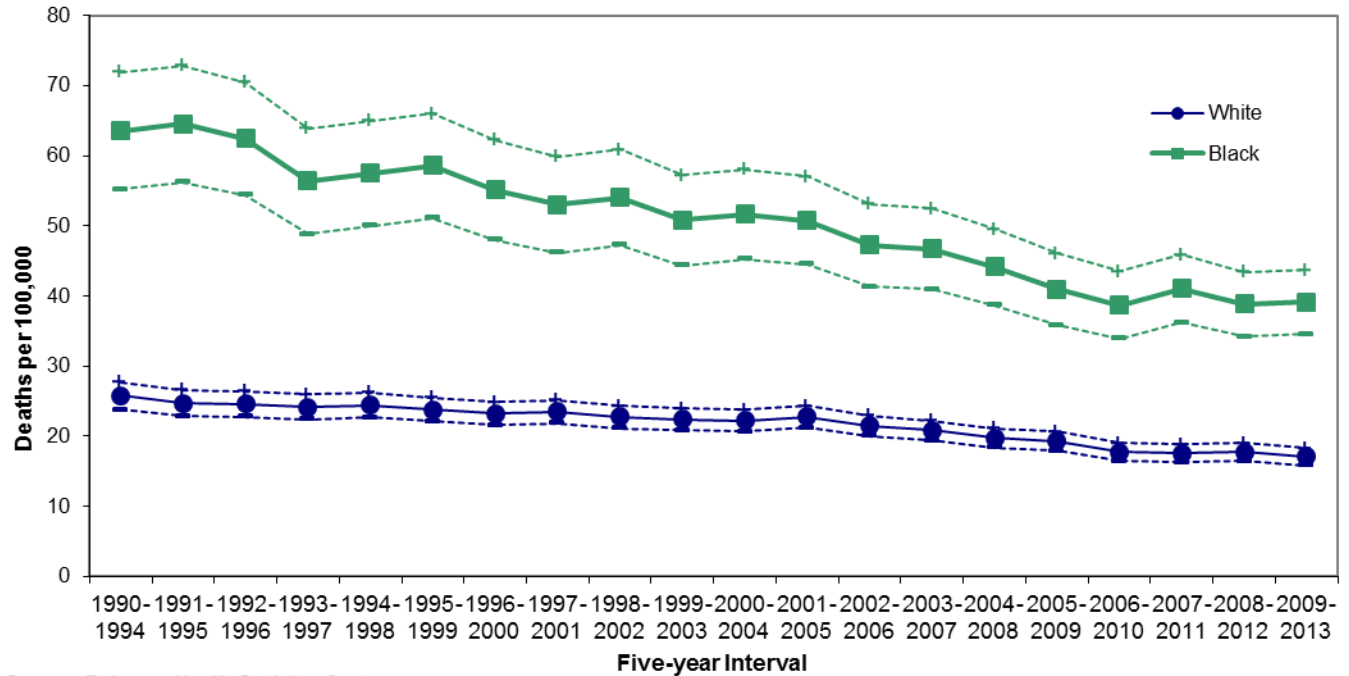
Source: Delaware Health Statistics Center



## MORTALITY

Though black mortality rates for diabetes have declined 38 percent since 1990-1994, their rates were more than double that of whites in 2009-2013.

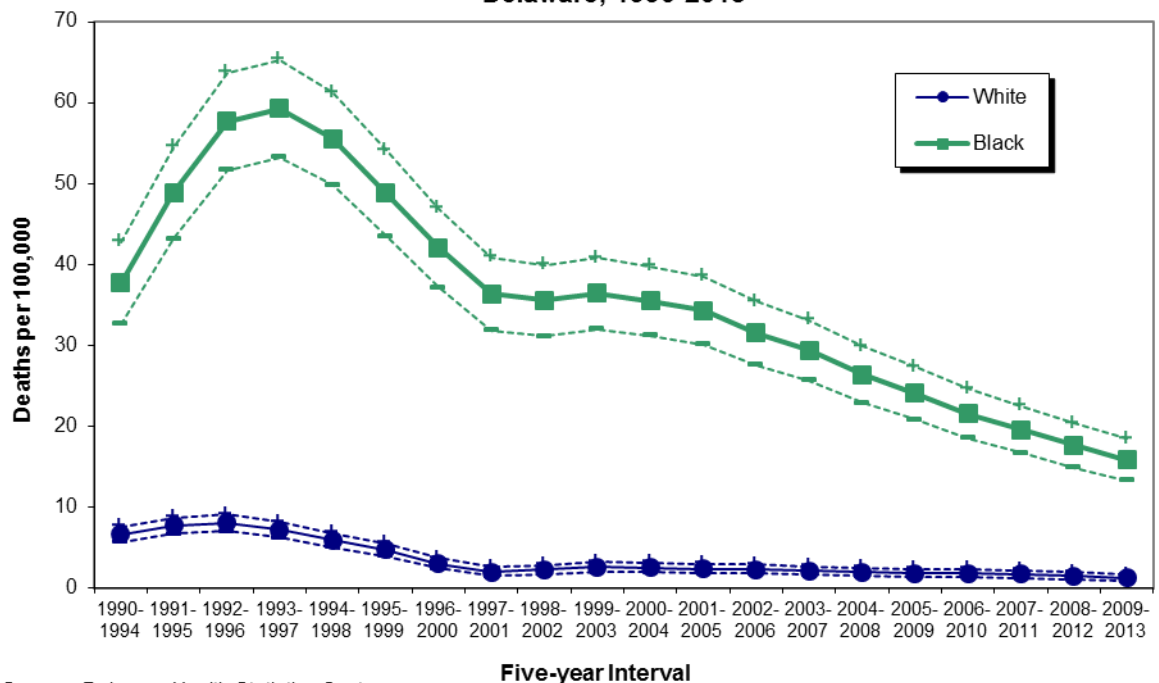
**Five-year Age-Adjusted Diabetes Mortality Rates by Race  
Delaware, 1990-2013**



Source: Delaware Health Statistics Center

HIV/AIDS mortality has disproportionately affected Delaware's black population. Despite black HIV/AIDS mortality rates decreasing significantly since the 1993-1997 peak, their 2009-2013 mortality rate of 15.9 deaths per 100,000 was nearly 13 times that of whites. Though they made up only 21.9 percent of the total Delaware population in 2009-2013, blacks accounted for 78 percent of all deaths due to HIV/AIDS.

**Five-year Age-Adjusted HIV/AIDS Mortality Rates by Race  
Delaware, 1990-2013**

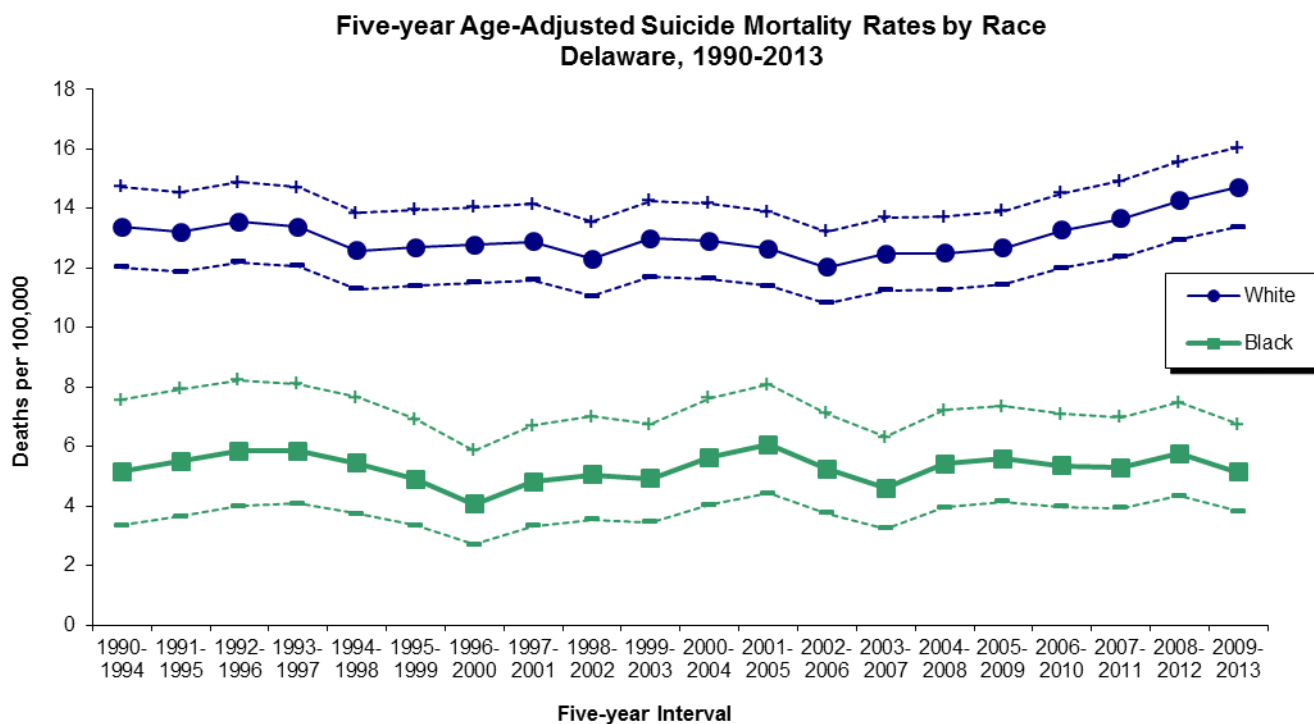


In 2009-2013, HIV was the ninth leading cause of death for black Delawareans. It ranked eighth for black males and twelfth for black females.

Source: Delaware Health Statistics Center

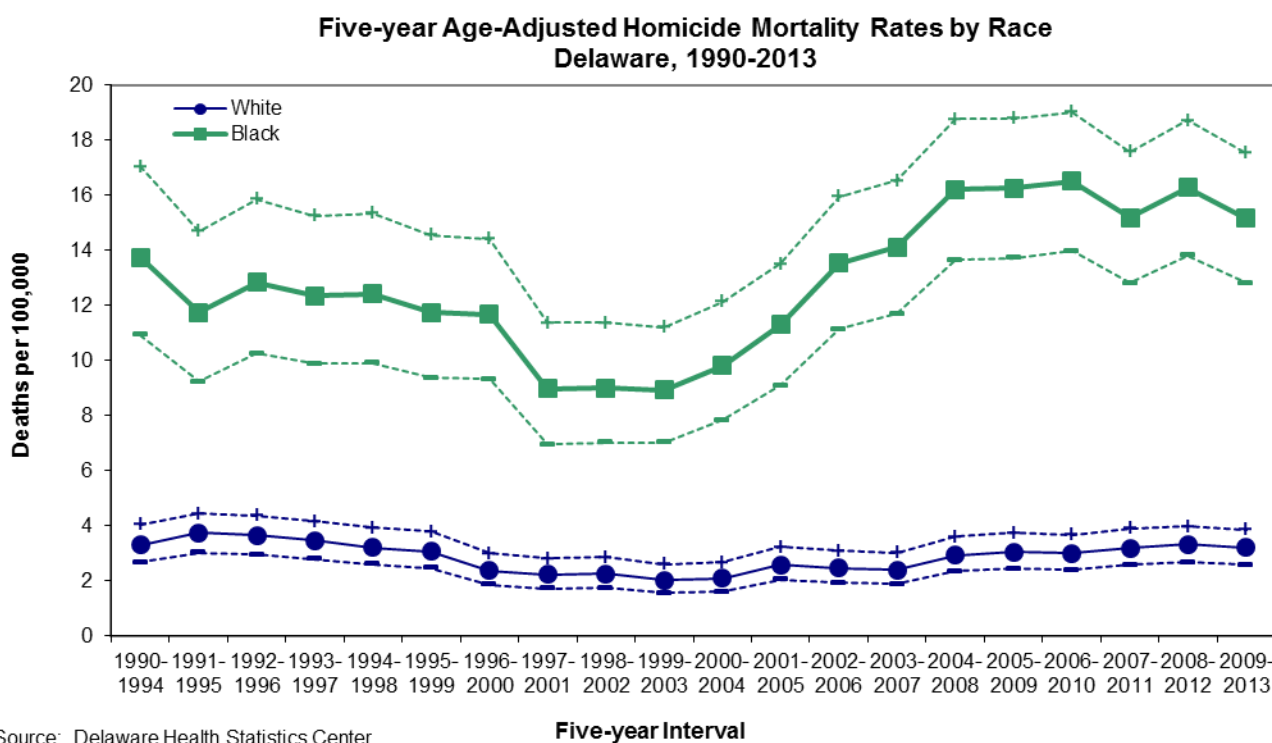
## MORTALITY

Suicide mortality trends for white populations showed an increase between 1990-1994 and 2009-2013, with the white rate (14.7) more than doubling that of the black rate (5.1).



Source: Delaware Health Statistics Center

After declining throughout most of the 1990s and reaching their lowest point in 1999-2003, homicide mortality rates rose 74 percent. The majority of the increase was due to a 71 percent increase in black homicide mortality rates and a 60 percent increase in white homicide mortality rates. In 2009-2013, black and white homicide mortality rates were 15.2 and 3.2 deaths per 100,000 population, respectively.

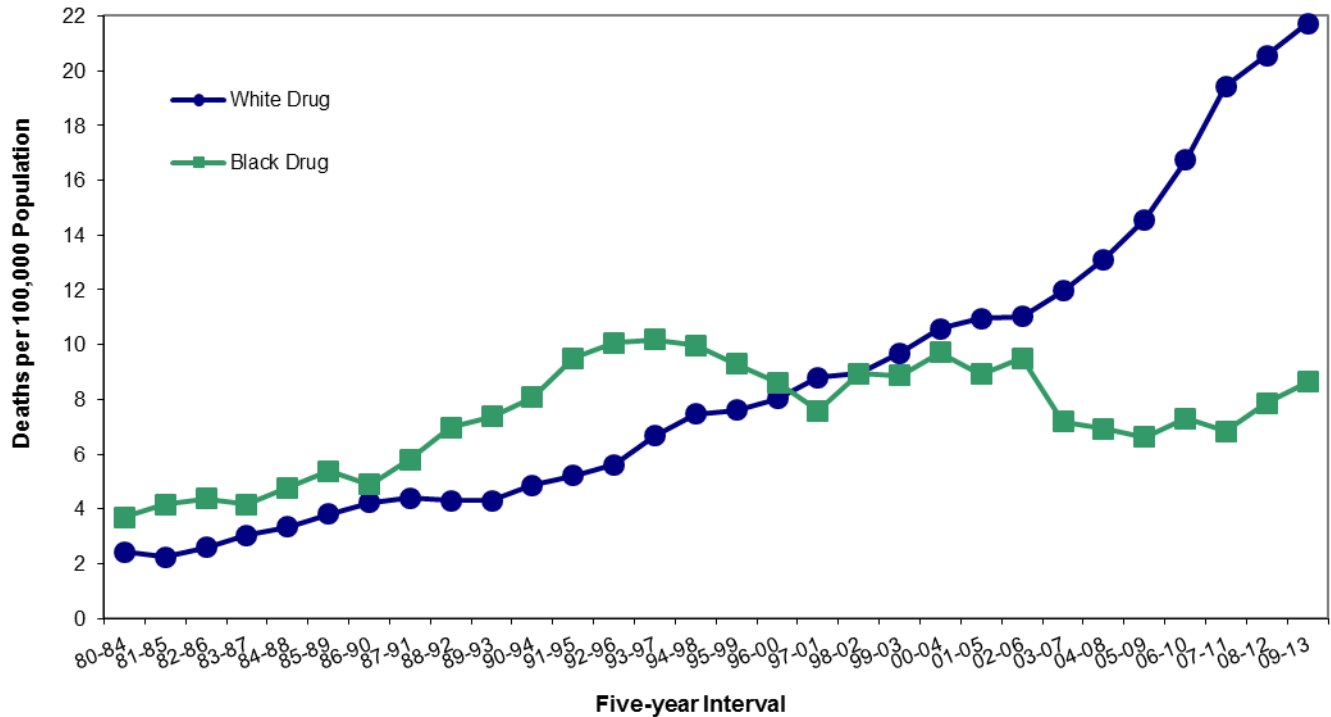


Source: Delaware Health Statistics Center

## MORTALITY

Though black mortality rates for drug-induced deaths were historically higher than white rates, in 1994-1998 they began a four-year decline that moved them just below white rates by 1997-2001. Since then, white mortality rates have remained higher and continued to rise. By 2009-2013, the white drug-induced mortality rate (21.7) was more than twice the black rate (8.6).

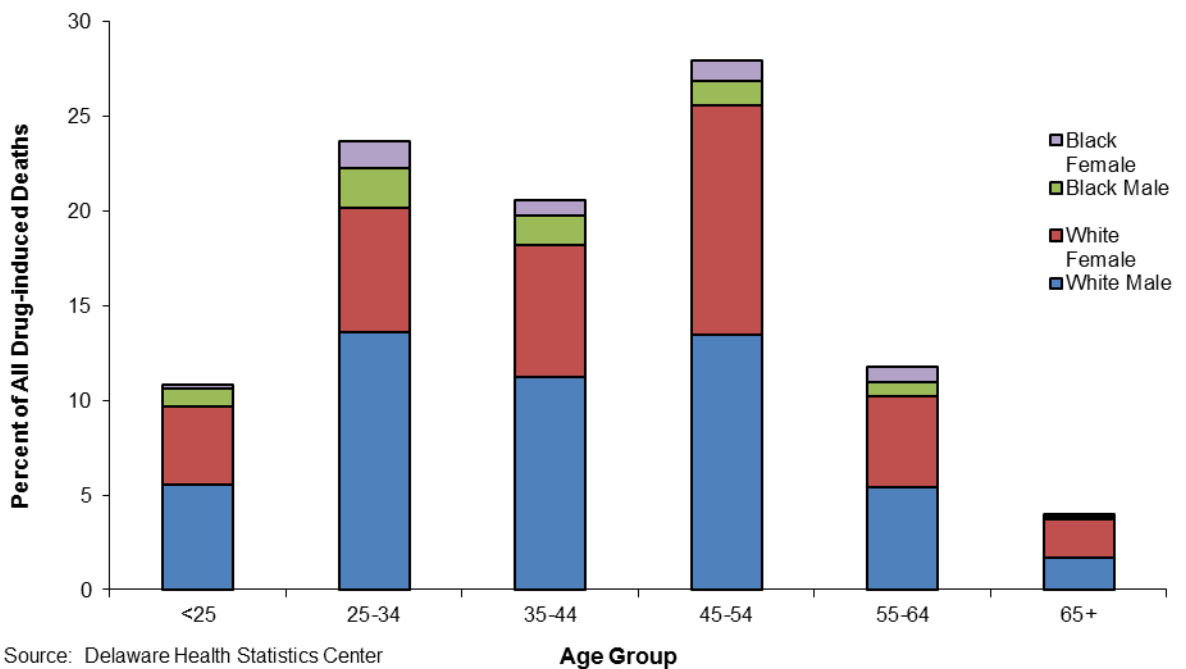
**Five-year Age-adjusted Mortality Rates for Drug-Induced Deaths by Race  
Delaware, 1980-2013**



Source: Delaware Health Statistics Center

**Distribution of Drug-induced Deaths by Race, Sex, and Age Group  
Delaware, 2009-2013**

In 2009-2013, 52 percent of all drug-induced deaths were white males. Of all the race-age groups, white males ages 25-34 and white females ages 45-54 were responsible for the largest proportions (both 14 percent) of drug-induced deaths. White females ages 45-54 were just below this at 12.3 percent.



Source: Delaware Health Statistics Center

TABLE F-1  
NUMBER OF DEATHS BY RACE  
U.S., DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2000-2013

Area/ Race	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>U.S.</b>														
All Races	2403351	2416425	2443387	2448288	2397615	2448017	2426264	2423712	2471984	2437163	2468435	2515458	2543279	2596993
White	2071287	2079691	2102589	2103714	2056643	2098097	2077549	2074151	2120233	2086355	2114749	2156077	2175178	2217103
Black	285826	287709	290051	291300	287315	292808	289971	289585	289072	286623	286959	290100	295222	302969
Other	46238	49025	50747	53274	53657	57112	58744	59976	62679	64185	66727	69281	72879	76921
<b>Delaware</b>														
All Races	6872	7114	6860	7067	7124	7424	7144	7246	7602	7498	7667	7816	7873	7967
White	5696	5886	5694	5782	5862	6129	5856	5985	6309	6113	6274	6412	6348	6498
Black	1131	1180	1111	1241	1204	1235	1225	1181	1217	1270	1258	1256	1392	1295
Other	45	48	55	44	58	60	63	80	76	115	135	148	133	174
<b>Kent</b>														
All Races	1022	1102	1113	1114	1154	1250	1219	1255	1367	1379	1345	1368	1462	1422
White	822	900	916	878	948	1017	967	1018	1133	1096	1080	1092	1159	1128
Black	184	194	187	224	193	224	234	219	220	263	231	239	273	250
Other	16	8	10	12	13	9	18	18	14	20	34	37	30	44
<b>New Castle</b>														
All Races	4111	4234	3996	4129	4146	4229	4039	4101	4290	4100	4221	4394	4260	4338
White	3350	3435	3244	3299	3324	3381	3212	3294	3441	3234	3316	3486	3270	3392
Black	741	774	718	809	793	809	794	771	802	799	828	820	909	847
Other	20	25	34	21	29	39	33	36	47	67	77	88	81	99
<b>Wilmington</b>														
All Races	826	850	779	843	782	765	728	705	726	692	713	697	691	651
White	430	421	392	413	358	362	337	345	334	329	294	320	297	273
Black	394	425	380	430	419	401	385	359	389	360	406	362	383	364
Other	2	4	7	0	5	2	6	1	3	3	13	15	11	14
<b>Balance of NC County</b>														
All Races	3285	3384	3217	3286	3364	3464	3311	3396	3564	3408	3508	3697	3569	3687
White	2920	3014	2852	2886	2966	3019	2875	2949	3107	2905	3022	3166	2973	3119
Black	347	349	338	379	374	408	409	412	413	439	422	458	526	483
Other	18	21	27	21	24	37	27	35	44	64	64	73	70	85
<b>Sussex</b>														
All Races	1739	1778	1751	1824	1824	1945	1886	1890	1945	2019	2101	2054	2151	2207
White	1524	1551	1534	1605	1590	1731	1677	1673	1735	1783	1878	1834	1919	1978
Black	206	212	206	208	218	202	197	191	195	208	199	197	210	198
Other	9	15	11	11	16	12	12	26	15	28	24	23	22	31

NDRACE

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

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

TABLE F-2  
NUMBER OF DEATHS BY AGE, RACE, AND HISPANIC ORIGIN  
DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2013

Area/ Age	All Races	White	Black	Race					All Other	Hispanic Origin <sup>2</sup>
				American Indian <sup>1</sup>	Asian or Pacific Islander (API)					
					Chinese	Japanese	Filipino	Other API		
<b>Delaware</b>	7967	6503	1301	13	8	4	12	47	79	200
<1	68	30	34	0	0	0	0	0	4	12
1-4	12	6	4	0	1	0	0	0	1	1
5-14	17	10	6	0	0	0	0	1	0	1
15-24	82	48	31	0	0	0	0	0	3	8
25-34	148	105	40	1	0	0	0	1	1	8
35-44	211	149	54	0	0	0	1	3	4	14
45-54	603	433	154	1	1	0	2	5	7	25
55-64	1136	859	253	3	3	1	2	5	10	32
65-74	1385	1112	244	2	0	1	1	12	13	35
75+	4305	3751	481	6	3	2	6	20	36	64
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Kent</b>	1422	1129	252	4	1	0	4	9	23	39
<1	6	5	1	0	0	0	0	0	0	0
1-4	1	1	0	0	0	0	0	0	0	0
5-14	3	2	0	0	0	0	0	1	0	0
15-24	23	17	4	0	0	0	0	0	2	2
25-34	31	25	6	0	0	0	0	0	0	3
35-44	49	30	14	0	0	0	1	2	2	1
45-54	113	80	27	1	0	0	1	1	3	4
55-64	190	142	43	1	0	0	1	2	1	4
65-74	276	214	56	1	0	0	0	2	3	8
75+	730	613	101	1	1	0	1	1	12	17
Unknown	0	0	0	0	0	0	0	0	0	0
<b>New Castle</b>	4338	3395	851	2	7	2	7	34	40	121
<1	48	17	28	0	0	0	0	0	3	8
1-4	8	2	4	0	1	0	0	0	1	1
5-14	12	6	6	0	0	0	0	0	0	1
15-24	51	26	24	0	0	0	0	0	1	4
25-34	81	51	28	0	0	0	0	1	1	2
35-44	113	79	32	0	0	0	0	0	2	7
45-54	356	242	106	0	1	0	1	3	3	19
55-64	643	457	170	1	3	1	1	3	7	22
65-74	683	508	158	0	0	0	1	10	6	22
75+	2343	2007	295	1	2	1	4	17	16	35
Unknown	0	0	0	0	0	0	0	0	0	0
Wilmington	651	274	365	0	0	1	2	3	6	35
<1	14	2	11	0	0	0	0	0	1	3
1-4	2	0	1	0	0	0	0	0	1	0
5-14	3	0	3	0	0	0	0	0	0	0
15-24	13	0	12	0	0	0	0	0	1	1
25-34	25	4	19	0	0	0	0	1	1	1
35-44	23	10	13	0	0	0	0	0	0	2
45-54	69	22	46	0	0	0	0	1	0	7
55-64	109	29	78	0	0	1	0	0	1	4
65-74	104	39	64	0	0	0	1	0	0	8
75+	289	168	118	0	0	0	1	1	1	9
Unknown	0	0	0	0	0	0	0	0	0	0
Balance of NC County	3687	3121	486	2	7	1	5	31	34	86
<1	34	15	17	0	0	0	0	0	2	5
1-4	6	2	3	0	1	0	0	0	0	1
5-14	9	6	3	0	0	0	0	0	0	1
15-24	38	26	12	0	0	0	0	0	0	3
25-34	56	47	9	0	0	0	0	0	0	1
35-44	90	69	19	0	0	0	0	0	2	5
45-54	287	220	60	0	1	0	1	2	3	12
55-64	534	428	92	1	3	0	1	3	6	18
65-74	579	469	94	0	0	0	0	10	6	14
75+	2054	1839	177	1	2	1	3	16	15	26
Unknown	0	0	0	0	0	0	0	0	0	0
<b>Sussex</b>	2207	1979	198	7	0	2	1	4	16	40
<1	14	8	5	0	0	0	0	0	1	4
1-4	3	3	0	0	0	0	0	0	0	0
5-14	2	2	0	0	0	0	0	0	0	0
15-24	8	5	3	0	0	0	0	0	0	2
25-34	36	29	6	1	0	0	0	0	0	3
35-44	49	40	8	0	0	0	0	1	0	6
45-54	134	111	21	0	0	0	0	1	1	2
55-64	303	260	40	1	0	0	0	0	2	6
65-74	426	390	30	1	0	1	0	0	4	5
75+	1232	1131	85	4	0	1	1	2	8	12
Unknown	0	0	0	0	0	0	0	0	0	0

DETRACE

**Notes:**

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

**Source:**

Delaware Health Statistics Center

TABLE F-3  
 NUMBER OF DEATHS BY AGE AND RACE  
 DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2013  
 (BOTH SEXES)

Area/ Race	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>Delaware</b>														
All Races	7967	68	12	7	10	28	54	148	211	603	1136	1385	4305	0
White	6498	29	6	4	6	14	34	105	149	432	858	1112	3749	0
Black	1295	34	4	2	4	13	18	40	53	154	252	243	478	0
Other	174	5	2	1	0	1	2	3	9	17	26	30	78	0
<b>Kent</b>														
All Races	1422	6	1	2	1	5	18	31	49	113	190	276	730	0
White	1128	5	1	1	1	3	14	25	30	80	142	214	612	0
Black	250	1	0	0	0	1	3	6	14	27	43	56	99	0
Other	44	0	0	1	0	1	1	0	5	6	5	6	19	0
<b>New Castle</b>														
All Races	4338	48	8	4	8	19	32	81	113	356	643	683	2343	0
White	3392	17	2	2	4	8	18	51	79	241	456	508	2006	0
Black	847	28	4	2	4	11	13	28	31	106	169	157	294	0
Other	99	3	2	0	0	0	1	2	3	9	18	18	43	0
<b>Wilmington</b>														
All Races	651	14	2	0	3	5	8	25	23	69	109	104	289	0
White	273	2	0	0	0	0	0	4	10	21	29	39	168	0
Black	364	11	1	0	3	5	7	19	13	46	78	63	118	0
Other	14	1	1	0	0	0	1	2	0	2	2	2	3	0
<b>Balance of NC County</b>														
All Races	3687	34	6	4	5	14	24	56	90	287	534	579	2054	0
White	3119	15	2	2	4	8	18	47	69	220	427	469	1838	0
Black	483	17	3	2	1	6	6	9	18	60	91	94	176	0
Other	85	2	1	0	0	0	0	0	3	7	16	16	40	0
<b>Sussex</b>														
All Races	2207	14	3	1	1	4	4	36	49	134	303	426	1232	0
White	1978	7	3	1	1	3	2	29	40	111	260	390	1131	0
Black	198	5	0	0	0	1	2	6	8	21	40	30	85	0
Other	31	2	0	0	0	0	0	1	1	2	3	6	16	0

NDAGERAC

Source:  
 Delaware Health Statistics Center

TABLE F-4  
 NUMBER OF DEATHS BY AGE AND RACE  
 DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2013  
 (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	4031	39	6	5	6	19	38	98	125	361	678	759	1897	0
White	3289	11	3	3	3	6	25	67	90	275	522	624	1660	0
Black	652	24	1	2	3	13	12	28	31	76	144	118	200	0
Other	90	4	2	0	0	0	1	3	4	10	12	17	37	0
<b>Kent</b>														
All Races	719	2	1	1	1	2	12	24	28	64	117	144	323	0
White	576	2	1	1	1	1	11	19	17	47	88	118	270	0
Black	123	0	0	0	0	1	1	5	8	13	26	23	46	0
Other	20	0	0	0	0	0	0	0	3	4	3	3	7	0
<b>New Castle</b>														
All Races	2166	28	4	3	4	15	23	50	66	220	375	371	1007	0
White	1695	6	1	1	1	4	13	30	50	159	274	284	872	0
Black	418	20	1	2	3	11	9	18	16	55	93	78	112	0
Other	53	2	2	0	0	0	1	2	0	6	8	9	23	0
<b>Wilmington</b>														
All Races	336	10	1	0	3	5	6	18	13	46	61	59	114	0
White	138	0	0	0	0	0	0	4	6	15	20	25	68	0
Black	190	9	0	0	3	5	5	12	7	30	41	33	45	0
Other	8	1	1	0	0	0	1	2	0	1	0	1	1	0
<b>Balance of NC County</b>														
All Races	1830	18	3	3	1	10	17	32	53	174	314	312	893	0
White	1557	6	1	1	1	4	13	26	44	144	254	259	804	0
Black	228	11	1	2	0	6	4	6	9	25	52	45	67	0
Other	45	1	1	0	0	0	0	0	0	5	8	8	22	0
<b>Sussex</b>														
All Races	1146	9	1	1	1	2	3	24	31	77	186	244	567	0
White	1018	3	1	1	1	1	1	18	23	69	160	222	518	0
Black	111	4	0	0	0	1	2	5	7	8	25	17	42	0
Other	17	2	0	0	0	0	0	1	1	0	1	5	7	0

Source: Delaware Health Statistics Center  
 NDRCAGMIL

TABLE F-5  
 NUMBER OF DEATHS BY AGE AND RACE  
 DELAWARE, COUNTIES AND CITY OF WILMINGTON, 2013  
 (FEMALES)

Area/ Race	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>Delaware</b>															
All Races	3936	29	6	2	4	9	16	50	86	242	458	626	2408	0	
White	3209	18	3	1	3	8	9	38	59	157	336	488	2089	0	
Black	643	10	3	0	1	0	6	12	22	78	108	125	278	0	
Other	84	1	0	1	0	1	1	0	5	7	14	13	41	0	
<b>Kent</b>															
All Races	703	4	0	1	0	3	6	7	21	49	73	132	407	0	
White	552	3	0	0	0	2	3	6	13	33	54	96	342	0	
Black	127	1	0	0	0	1	2	1	6	14	17	33	53	0	
Other	24	0	0	1	0	1	1	0	2	2	2	3	12	0	
<b>New Castle</b>															
All Races	2172	20	4	1	4	4	9	31	47	136	268	312	1336	0	
White	1697	11	1	1	3	4	5	21	29	82	182	224	1134	0	
Black	429	8	3	0	1	0	4	10	15	51	76	79	182	0	
Other	46	1	0	0	0	0	0	0	3	3	10	9	20	0	
<b>Wilmington</b>															
All Races	315	4	1	0	0	0	2	7	10	23	48	45	175	0	
White	135	2	0	0	0	0	0	0	4	6	9	14	100	0	
Black	174	2	1	0	0	0	2	7	6	16	37	30	73	0	
Other	6	0	0	0	0	0	0	0	0	1	2	1	2	0	
<b>Balance of NC County</b>															
All Races	1857	16	3	1	4	4	7	24	37	113	220	267	1161	0	
White	1562	9	1	1	3	4	5	21	25	76	173	210	1034	0	
Black	255	6	2	0	1	0	2	3	9	35	39	49	109	0	
Other	40	1	0	0	0	0	0	0	3	2	8	8	18	0	
<b>Sussex</b>															
All Races	1061	5	2	0	0	2	1	12	18	57	117	182	665	0	
White	960	4	2	0	0	2	1	11	17	42	100	168	613	0	
Black	87	1	0	0	0	0	0	1	1	13	15	13	43	0	
Other	14	0	0	0	0	0	0	0	0	2	2	1	9	0	

NIDRCAGFE

Source:  
 Delaware Health Statistics Center



TABLE F-6  
MORTALITY TRENDS BY RACE, ETHNICITY, GENDER, AND AGE  
DELAWARE, 2003-2013

CHARACTERISTIC	Year										
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Resident Deaths</b>											
Number	7067	7124	7424	7144	7246	7602	7498	7667	7816	7873	7967
Crude Rate	863.9	857.5	878.4	831.4	831.2	860.1	840.8	852.1	861.7	860.8	862.5
AADR <sup>2</sup>	835.9	814.5	818.1	762.7	748.3	760.5	730.8	727.8	726.4	709.7	696.6
<b>Decedent's Race/Ethnicity</b>											
White											
Number	5782	5862	6129	5856	5985	6309	6113	6274	6412	6348	6498
Percent	81.8%	82.3%	82.6%	82.0%	82.6%	83.0%	81.5%	81.8%	82.0%	80.6%	81.6%
AADR <sup>2</sup>	800.3	788.1	794.6	741.0	734.8	753.4	713.6	718.2	721.8	695.3	692.4
Black											
Number	1241	1204	1235	1225	1181	1217	1270	1258	1256	1392	1295
Percent	17.6%	16.9%	16.6%	17.1%	16.3%	16.0%	16.9%	16.4%	16.1%	17.7%	16.3%
AADR <sup>2</sup>	1099.6	1046.7	1024.3	943.9	889.2	860.7	866.5	834.4	795.7	858.5	769.4
Hispanic <sup>1</sup>											
Number	105	121	121	126	178	189	164	142	144	148	200
Percent	1.5%	1.7%	1.6%	1.8%	2.5%	2.5%	2.2%	1.9%	1.8%	1.9%	2.5%
AADR <sup>2</sup>	615.7	730.0	624.5	485.8	775.5	789.6	691.0	550.0	536.1	504.9	706.3
<b>Decedent's Gender</b>											
Female											
Number	3559	3517	3746	3590	3614	3850	3782	3802	3946	4015	3936
Percent	50.4%	49.4%	50.5%	50.3%	49.9%	50.6%	50.4%	49.6%	50.5%	51.0%	49.4%
AADR <sup>2</sup>	706.2	679.7	694.2	647.3	630.3	651.9	624.0	610.8	625.0	613.9	588.0
Male											
Number	3508	3607	3678	3554	3632	3752	3716	3865	3870	3858	4031
Percent	49.6%	50.6%	49.5%	49.7%	50.1%	49.4%	49.6%	50.4%	49.5%	49.0%	50.6%
AADR <sup>2</sup>	997.9	996.9	976.6	905.9	893.5	894.3	860.2	869.9	849.7	826.0	830.3
<b>Decedent's age</b>											
<1											
Number	107	97	106	99	91	101	91	88	98	84	68
Percent	1.5%	1.4%	1.4%	1.4%	1.3%	1.3%	1.2%	1.1%	1.3%	1.1%	0.9%
1-14											
Number	22	44	26	20	15	23	27	18	28	30	29
Percent	0.3%	0.6%	0.4%	0.3%	0.2%	0.3%	0.4%	0.2%	0.4%	0.4%	0.4%
15-24											
Number	101	97	78	92	88	91	92	97	86	89	82
Percent	1.4%	1.4%	1.1%	1.3%	1.2%	1.2%	1.2%	1.3%	1.1%	1.1%	1.0%
25-44											
Number	389	387	375	427	385	400	359	362	356	388	359
Percent	5.5%	5.4%	5.1%	6.0%	5.3%	5.3%	4.8%	4.7%	4.6%	4.9%	4.5%
45-64											
Number	1327	1338	1406	1410	1418	1552	1529	1578	1579	1620	1739
Percent	18.8%	18.8%	18.9%	19.7%	19.6%	20.4%	20.4%	20.6%	20.2%	20.6%	21.8%
65-74											
Number	1244	1310	1272	1232	1238	1276	1313	1307	1357	1325	1385
Percent	17.6%	18.4%	17.1%	17.2%	17.1%	16.8%	17.5%	17.0%	17.4%	16.8%	17.4%
75-84											
Number	2096	2039	2160	1960	2022	2043	1944	1976	2077	1897	1931
Percent	29.7%	28.6%	29.1%	27.4%	27.9%	26.9%	25.9%	25.8%	26.6%	24.1%	24.2%
85+											
Number	1781	1812	2001	1904	1985	2116	2143	2241	2235	2440	2374
Percent	25.2%	25.4%	27.0%	26.7%	27.4%	27.8%	28.6%	29.2%	28.6%	31.0%	29.8%

MORTREND

**Notes:**

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

**Sources:**

Delaware Health Statistics Center  
U.S. Census

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

DELAWARE, 2013

Cause of Death <sup>1</sup>	Deaths		Median Age at Death	
	Number	Percent	Male	Female
<b>All causes</b>	7,967	100.0	73	80
<b>Malignant neoplasms</b>	1,903	23.9	72	71
<b>Diseases of heart</b>	1,864	23.4	76	84
<b>Dementia</b>	422	5.3	86	89
<b>Chronic lower respiratory diseases</b>	483	6.1	78	81
<b>Cerebrovascular diseases</b>	409	5.1	78	84
<b>Accidents (unintentional injuries)</b>	403	5.1	49	56
<b>Diabetes mellitus</b>	218	2.7	71	76
<b>Alzheimer's disease</b>	192	2.4	85	89
<b>Nephritis, nephrotic syndrome &amp; nephrosis</b>	178	2.2	78	80
<b>Intentional self-harm (suicide)</b>	122	1.5	51	50
<b>Septicemia</b>	157	2.0	78	74
<b>Influenza &amp; pneumonia</b>	150	1.9	83	85
<b>Other diseases of respiratory system</b>	96	1.2	76	81
<b>Chronic liver disease &amp; cirrhosis</b>	82	1.0	64	61
<b>Parkinson's disease</b>	83	1.0	85	85
<b>Other diseases of circulatory system</b>	60	0.8	78	81
<b>Assault (homicide)</b>	52	0.7	27	39
<b>Certain conditions originating in the perinatal period</b>	39	0.5	0	0
<b>Pneumonitis due to solids &amp; liquids</b>	51	0.6	82	87
<b>Essential (primary) hypertension &amp; hypertensive renal disease</b>	69	0.9	83	87
<b>Alcohol-induced deaths<sup>2</sup></b>	62	0.8	54	54
<b>Drug-induced deaths<sup>2</sup></b>	171	2.1	40	44

LCODARBS

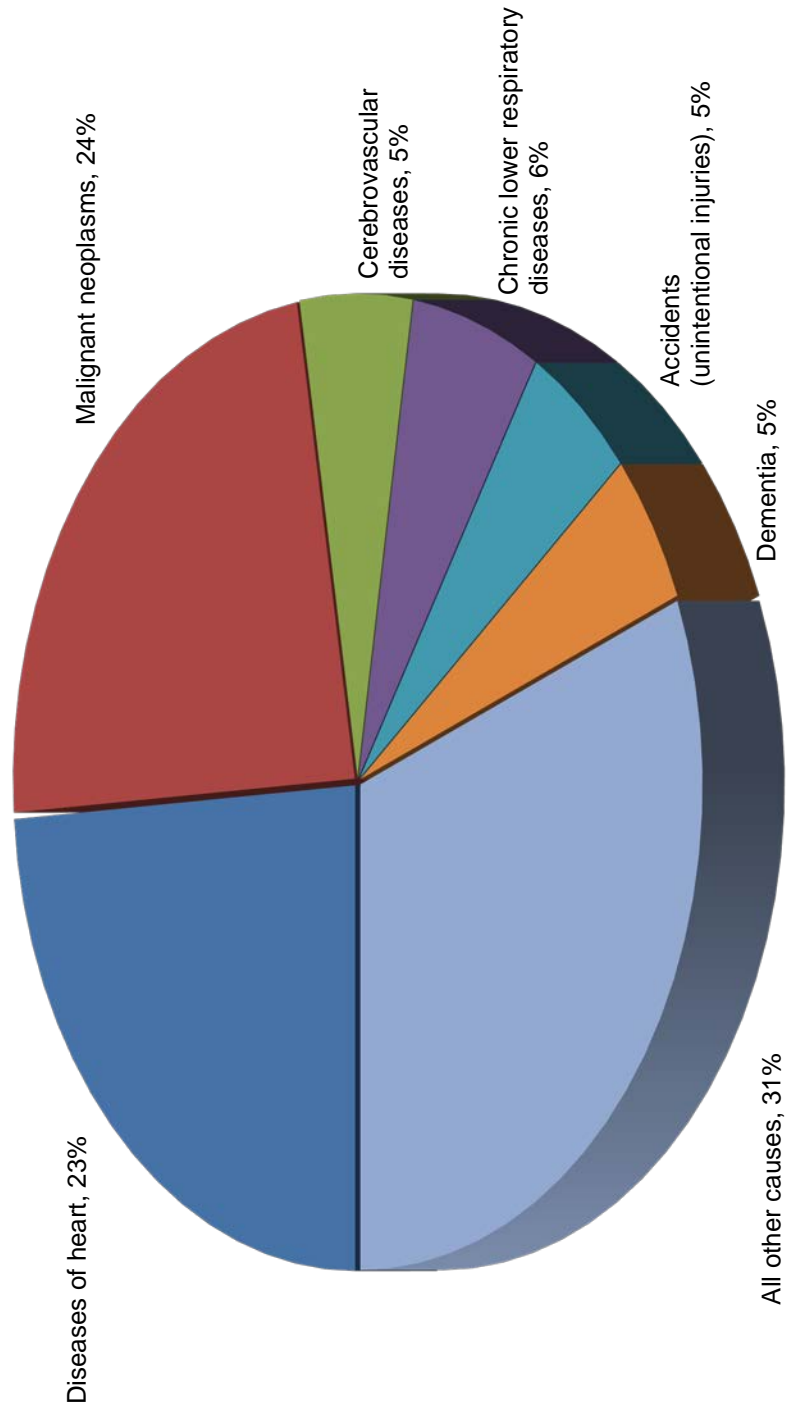
**Notes:**

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

**Source:**

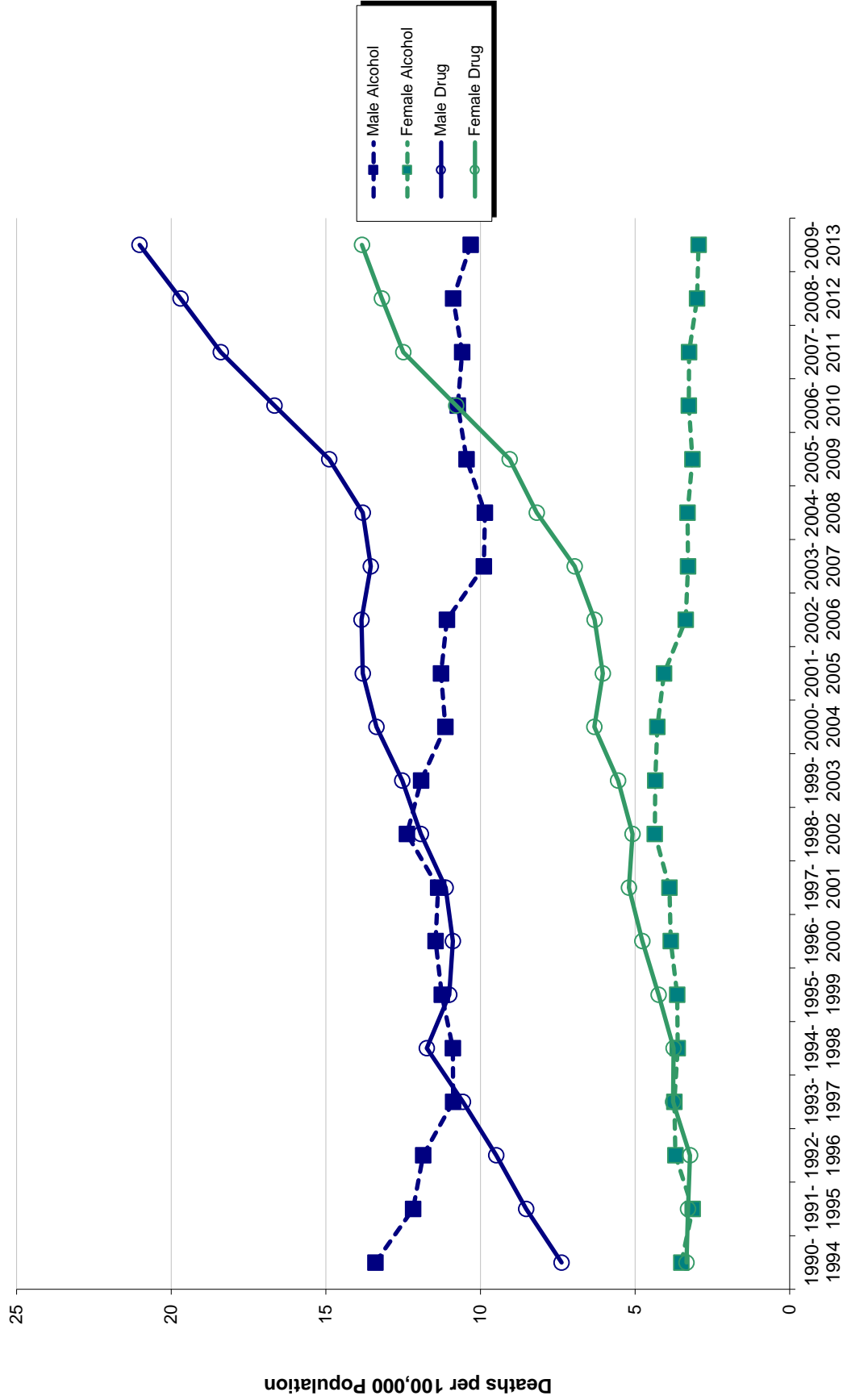
Delaware Health Statistics Center

**Figure F-1  
Leading Causes of Death  
Delaware, 2013**



Source: Delaware Health Statistics Center

**Figure F-2**  
**Five-year Age-adjusted Drug- and Alcohol-Induced Mortality Rates by Sex**  
**Delaware, 1990-2013**



Source: Delaware Health Statistics Center

Five-year Interval

TABLE F-8  
LEADING CAUSES OF DEATH  
COUNTIES AND CITY OF WILMINGTON, 2009-2013

**Kent**

Cause of Death*	Deaths	
	#	%
Diseases of heart	1741	25.0
Malignant neoplasms	1722	24.7
Chronic lower respiratory diseases	421	6.0
Cerebrovascular diseases	324	4.6
Accidents (unintentional injuries)	315	4.5
Diabetes mellitus	205	2.9
Alzheimer's disease	180	2.6
Septicemia	146	2.1
Nephritis, nephrotic syndrome & nephrosis	122	1.7
Influenza & pneumonia	118	1.7
Intentional self-harm (suicide)	106	1.5
Chronic liver disease & cirrhosis	73	1.0
Essential (primary) hypertension & hypertensive renal disease	68	1.0
In situ neoplasms, benign neoplasms & neoplasms of uncertain behavior	52	0.7
Parkinson's disease	44	0.6
Certain conditions originating in the perinatal period	40	0.6
All other causes	1299	18.6
<b>Total</b>	<b>6976</b>	<b>100.0</b>

**New Castle**

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	5102	23.9
Diseases of heart	4605	21.6
Cerebrovascular diseases	1258	5.9
Chronic lower respiratory diseases	1154	5.4
Accidents (unintentional injuries)	999	4.7
Diabetes mellitus	615	2.9
Nephritis, nephrotic syndrome & nephrosis	467	2.2
Alzheimer's disease	463	2.2
Influenza & pneumonia	384	1.8
Intentional self-harm (suicide)	320	1.5
Septicemia	320	1.5
Chronic liver disease & cirrhosis	218	1.0
Assault (homicide)	211	1.0
Parkinson's disease	196	0.9
Certain conditions originating in the perinatal period	185	0.9
Human immunodeficiency virus (HIV) disease	144	0.7
All other causes	4672	21.9
<b>Total</b>	<b>21313</b>	<b>100.0</b>

**City of Wilmington**

Cause of Death*	Deaths	
	#	%
Diseases of heart	742	21.5
Malignant neoplasms	690	20.0
Cerebrovascular diseases	217	6.3
Chronic lower respiratory diseases	166	4.8
Accidents (unintentional injuries)	154	4.5
Diabetes mellitus	136	3.9
Assault (homicide)	98	2.8
Human immunodeficiency virus (HIV) disease	94	2.7
Nephritis, nephrotic syndrome & nephrosis	93	2.7
Alzheimer's disease	64	1.9
Certain conditions originating in the perinatal period	57	1.7
Influenza & pneumonia	51	1.5
Septicemia	47	1.4
Chronic liver disease & cirrhosis	45	1.3
Essential (primary) hypertension & hypertensive renal disease	35	1.0
Intentional self-harm (suicide)	33	1.0
All other causes	722	21.0
<b>Total</b>	<b>3444</b>	<b>100.0</b>

**Sussex**

Cause of Death*	Deaths	
	#	%
Diseases of heart	2646	25.1
Malignant neoplasms	2603	24.7
Chronic lower respiratory diseases	659	6.3
Accidents (unintentional injuries)	479	4.5
Cerebrovascular diseases	469	4.5
Alzheimer's disease	346	3.3
Diabetes mellitus	266	2.5
Nephritis, nephrotic syndrome & nephrosis	221	2.1
Influenza & pneumonia	166	1.6
Septicemia	154	1.5
Chronic liver disease & cirrhosis	143	1.4
Intentional self-harm (suicide)	138	1.3
Parkinson's disease	103	1.0
Pneumonitis due to solids & liquids	76	0.7
Essential (primary) hypertension & hypertensive renal disease	75	0.7
In situ neoplasms, benign neoplasms & neoplasms of uncertain behavior	68	0.6
All other causes	1920	18.2
<b>Total</b>	<b>10532</b>	<b>100.0</b>

**Note:**

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

**Source:**

Delaware Health Statistics Center

LCODCTWL

TABLE F-9  
TEN LEADING CAUSES OF DEATH BY SEX AND RACE GROUP  
DELAWARE, 2009-2013

All Races, Male

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4922	25.4
Diseases of heart	4655	24.1
Accidents (unintentional injuries)	1125	5.8
Chronic lower respiratory diseases	948	4.9
Cerebrovascular diseases	848	4.4
Diabetes mellitus	560	2.9
Intentional self-harm (suicide)	443	2.3
Nephritis, nephrotic syndrome & nephrosis	389	2.0
Influenza & pneumonia	322	1.7
Chronic liver disease & cirrhosis	299	1.5
All other causes	4829	25.0
<b>Total</b>	<b>19340</b>	<b>100.0</b>

All Races, Female

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4505	23.1
Diseases of heart	4337	22.3
Chronic lower respiratory diseases	1286	6.6
Cerebrovascular diseases	1203	6.2
Alzheimer's disease	690	3.5
Accidents (unintentional injuries)	668	3.4
Diabetes mellitus	526	2.7
Nephritis, nephrotic syndrome & nephrosis	421	2.2
Influenza & pneumonia	346	1.8
Septicemia	336	1.7
All other causes	5163	26.5
<b>Total</b>	<b>19481</b>	<b>100.0</b>

White, Both Sexes

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	7689	24.3
Diseases of heart	7449	23.5
Chronic lower respiratory diseases	1979	6.3
Cerebrovascular diseases	1638	5.2
Accidents (unintentional injuries)	1504	4.8
Alzheimer's disease	849	2.7
Diabetes mellitus	760	2.4
Nephritis, nephrotic syndrome & nephrosis	597	1.9
Influenza & pneumonia	570	1.8
Intentional self-harm (suicide)	501	1.6
All other causes	8109	25.6
<b>Total</b>	<b>31645</b>	<b>100.0</b>

Black, Both Sexes

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	1566	24.2
Diseases of heart	1403	21.7
Cerebrovascular diseases	365	5.6
Diabetes mellitus	302	4.7
Accidents (unintentional injuries)	247	3.8
Chronic lower respiratory diseases	232	3.6
Nephritis, nephrotic syndrome & nephrosis	199	3.1
Assault (homicide)	163	2.5
Human immunodeficiency virus (HIV) disease	153	2.4
Certain conditions originating in the perinatal period	144	2.2
All other causes	1697	26.2
<b>Total</b>	<b>6471</b>	<b>100.0</b>

LCODMFWB

Hispanic, Both Sexes

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	157	19.7
Diseases of heart	136	17.0
Accidents (unintentional injuries)	78	9.8
Cerebrovascular diseases	42	5.3
Diabetes mellitus	37	4.6
Certain conditions originating in the perinatal period	26	3.3
Chronic lower respiratory diseases	26	3.3
Intentional self-harm (suicide)	20	2.5
Assault (homicide)	19	2.4
chromosomal abnormalities	19	2.4
All other causes	238	29.8
<b>Total</b>	<b>798</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, 2009-2013

White Male

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	4030	25.7
Diseases of heart	3873	24.7
Accidents (unintentional injuries)	930	5.9
Chronic lower respiratory diseases	820	5.2
Cerebrovascular diseases	660	4.2
Diabetes mellitus	411	2.6
Intentional self-harm (suicide)	388	2.5
Nephritis, nephrotic syndrome & nephrosis	285	1.8
Influenza & pneumonia	274	1.7
Alzheimer's disease	263	1.7
All other causes	3724	23.8
<b>Total</b>	<b>15658</b>	<b>100.0</b>

White Females

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	3659	22.9
Diseases of heart	3576	22.4
Chronic lower respiratory diseases	1159	7.2
Cerebrovascular diseases	978	6.1
Alzheimer's disease	586	3.7
Accidents (unintentional injuries)	574	3.6
Diabetes mellitus	349	2.2
Nephritis, nephrotic syndrome & nephrosis	312	2.0
Influenza & pneumonia	296	1.9
Septicemia	256	1.6
All other causes	4242	26.5
<b>Total</b>	<b>15987</b>	<b>100.0</b>

Black Males

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	801	24.2
Diseases of heart	709	21.4
Accidents (unintentional injuries)	171	5.2
Cerebrovascular diseases	167	5.0
Assault (homicide)	148	4.5
Diabetes mellitus	135	4.1
Chronic lower respiratory diseases	113	3.4
Human immunodeficiency virus (HIV) disease	108	3.3
Nephritis, nephrotic syndrome & nephrosis	95	2.9
Certain conditions originating in the perinatal period	84	2.5
All other causes	783	23.6
<b>Total</b>	<b>3314</b>	<b>100.0</b>

Black Females

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	765	24.2
Diseases of heart	694	22.0
Cerebrovascular diseases	198	6.3
Diabetes mellitus	167	5.3
Chronic lower respiratory diseases	119	3.8
Nephritis, nephrotic syndrome & nephrosis	104	3.3
Alzheimer's disease	94	3.0
Accidents (unintentional injuries)	76	2.4
Septicemia	72	2.3
Certain conditions originating in the perinatal period	60	1.9
All other causes	808	25.6
<b>Total</b>	<b>3157</b>	<b>100.0</b>

Hispanic Males

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	88	18.5
Diseases of heart	79	16.6
Accidents (unintentional injuries)	55	11.6
Cerebrovascular diseases	24	5.0
Diabetes mellitus	23	4.8
Assault (homicide)	18	3.8
Certain conditions originating in the perinatal period	17	3.6
Chronic lower respiratory diseases	17	3.6
Intentional self-harm (suicide)	14	2.9
chromosomal abnormalities	13	2.7
All other causes	128	26.9
<b>Total</b>	<b>476</b>	<b>100.0</b>

Hispanic Females

Cause of Death*	Deaths	
	#	%
Malignant neoplasms	69	21.4
Diseases of heart	57	17.7
Accidents (unintentional injuries)	23	7.1
Cerebrovascular diseases	18	5.6
Alzheimer's disease	15	4.7
Diabetes mellitus	14	4.3
Nephritis, nephrotic syndrome & nephrosis	11	3.4
Certain conditions originating in the perinatal period	9	2.8
Chronic lower respiratory diseases	9	2.8
Septicemia	8	2.5
All other causes	89	27.6
<b>Total</b>	<b>322</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, 2009-2013

1-4 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	8	17.0
Congenital malformations, deformations, &	7	14.9
Assault (homicide)	5	10.6
Malignant neoplasms	4	8.5
Chronic lower respiratory diseases	2	4.3
Complications of medical & surgical care	1	2.1
Certain conditions originating in the perinatal period	1	2.1
Nephritis, nephrotic syndrome & nephrosis	1	2.1
Pneumonitis due to solids & liquids	1	2.1
All other causes	17	36.2
<b>Total</b>	<b>47</b>	<b>100.0</b>

5-14 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	30	35.3
Malignant neoplasms	13	15.3
chromosomal abnormalities	7	8.2
Intentional self-harm (suicide)	4	4.7
Chronic lower respiratory diseases	3	3.5
Pneumonitis due to solids & liquids	2	2.4
Diseases of heart	2	2.4
Complications of medical & surgical care	1	1.2
Assault (homicide)	1	1.2
Certain conditions originating in the perinatal period	1	1.2
All other causes	21	24.7
<b>Total</b>	<b>85</b>	<b>100.0</b>

15-24 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	169	37.9
Assault (homicide)	86	19.3
Intentional self-harm (suicide)	75	16.8
Malignant neoplasms	21	4.7
Diseases of heart	15	3.4
Congenital malformations, deformations, &	4	0.9
Complications of medical & surgical care	3	0.7
Pregnancy, childbirth & the puerperium	3	0.7
Chronic lower respiratory diseases	3	0.7
Septicemia	3	0.7
All other causes	64	14.3
<b>Total</b>	<b>446</b>	<b>100.0</b>

25-44 Years

Cause of Death*	Deaths	
	Number	Percent
Accidents (unintentional injuries)	521	28.6
Diseases of heart	265	14.5
Malignant neoplasms	228	12.5
Intentional self-harm (suicide)	169	9.3
Assault (homicide)	106	5.8
Diabetes mellitus	48	2.6
Human immunodeficiency virus (HIV) disease	44	2.4
Cerebrovascular diseases	38	2.1
Chronic liver disease & cirrhosis	19	1.0
Septicemia	19	1.0
All other causes	367	20.1
<b>Total</b>	<b>1824</b>	<b>100.0</b>

45-64 Years

Cause of Death*	Deaths	
	Number	Percent
Malignant neoplasms	2671	33.2
Diseases of heart	1620	20.1
Accidents (unintentional injuries)	513	6.4
Diabetes mellitus	290	3.6
Chronic lower respiratory diseases	281	3.5
Cerebrovascular diseases	278	3.5
Chronic liver disease & cirrhosis	250	3.1
Intentional self-harm (suicide)	240	3.0
Nephritis, nephrotic syndrome & nephrosis	152	1.9
Septicemia	143	1.8
All other causes	1607	20.0
<b>Total</b>	<b>8045</b>	<b>100.0</b>

65+ Years

Cause of Death*	Deaths	
	Number	Percent
Diseases of heart	7083	25.3
Malignant neoplasms	6490	23.2
Chronic lower respiratory diseases	1928	6.9
Cerebrovascular diseases	1726	6.2
Alzheimer's disease	977	3.5
Diabetes mellitus	746	2.7
Nephritis, nephrotic syndrome & nephrosis	641	2.3
Influenza & pneumonia	564	2.0
Accidents (unintentional injuries)	543	1.9
Septicemia	451	1.6
All other causes	6796	24.3
<b>Total</b>	<b>27945</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, 2013

(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>	1864	2	1	1	0	1	1	9	36	127	235	297	1154	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	10	0	0	0	0	0	0	0	0	1	1	2	6	0
Hypertensive heart disease (I11)	78	0	0	0	0	0	1	3	3	22	20	16	16	0
Hypertensive heart and renal disease (I13)	6	0	0	0	0	0	0	1	1	0	1	0	4	0
Ischemic heart disease (I20-I25)	1250	0	0	0	0	0	2	19	71	156	206	796	0	0
All other forms of heart disease (I26-I51)	520	2	1	1	0	1	6	13	33	57	73	332	0	0
<b>Malignant neoplasms (C00-C97)</b>	1903	0	2	0	2	0	3	11	31	162	401	499	792	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	23	0	0	0	0	0	1	1	4	6	4	7	0	0
Malignant neoplasms of digestive organs (C15-C26)	480	0	0	0	0	0	3	6	46	94	134	197	0	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	561	0	0	0	0	0	1	6	42	137	164	211	0	0
Malignant neoplasms of breast (C50)	133	0	0	0	0	0	0	6	18	30	30	49	0	0
Malignant neoplasms of female genital organs, (C51-C58)	101	0	0	0	0	0	0	3	13	29	30	26	0	0
Malignant neoplasms of male genital organs, (C60-C63)	72	0	0	0	0	1	0	0	1	9	12	49	0	0
Malignant neoplasms of urinary tract (C64-C68)	105	0	1	0	0	0	0	0	6	11	28	59	0	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	53	0	0	0	0	0	1	2	5	11	15	18	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	192	0	1	0	1	0	1	3	7	34	41	103	0	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	183	0	0	0	1	0	4	4	20	40	41	73	0	0
<b>Cerebrovascular diseases (I60-I69)</b>	409	0	0	0	0	0	1	3	6	21	49	56	273	0

TABLE F-12 (continued)  
(2013 - Delaware, All Races, Both Sexes)

	Total	Age of Decedent											Unk					
		<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74		75+				
<b>Chronic lower respiratory diseases (J40-J47)</b>	483	0	0	0	1	0	2	2	2	2	2	2	2	16	46	98	316	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	403	1	3	1	2	10	20	59	58	66	27	104	0	0	0	0	0	0
Nontransport Accidents (W00-X59, Y86)	114	0	1	1	2	9	12	13	18	19	11	9	0	0	0	0	0	0
<b>Diabetes mellitus (E10-E14)</b>	287	1	2	0	0	1	8	46	40	47	15	95	0	0	0	0	0	0
<b>Influenza and pneumonia (J10-J18)</b>	218	0	0	0	0	0	0	3	5	16	42	102	0	0	0	0	0	0
<b>Alzheimer's disease (G30)</b>	150	1	0	0	0	0	0	3	0	5	14	110	0	0	0	0	0	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	192	0	0	0	0	0	0	0	0	0	0	12	180	0	0	0	0	0
<b>Septicemia (A40-A41)</b>	178	0	0	0	0	0	0	1	2	12	20	107	0	0	0	0	0	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	157	1	0	0	0	0	2	1	5	9	23	82	0	0	0	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	122	0	0	0	1	4	10	18	15	30	25	12	0	0	0	0	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	82	0	0	0	0	0	0	2	2	18	24	16	0	0	0	0	0	0
<b>Aortic aneurysm and dissection (I71)</b>	69	0	0	0	0	0	0	0	1	6	8	48	0	0	0	0	0	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	30	0	0	0	0	0	0	0	0	0	2	23	0	0	0	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	52	0	0	0	0	10	7	11	8	9	2	2	0	0	0	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	36	0	0	0	0	0	1	2	2	15	10	3	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	39	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	27	6	3	2	0	0	0	3	3	3	1	3	0	0	0	0	0	0
<b>TOTAL</b>	1553	18	3	3	4	3	7	20	35	88	180	978	0	0	0	0	0	0
	7967	68	12	7	10	28	54	148	211	603	1136	4305	0	0	0	0	0	0

LCDNGBE

Note:  
\*ICD Codes, Tenth Revision.

Source:  
Delaware Health Statistics Center

TABLE F-13  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
KENT, 2013

(ALL RACES, BOTH SEXES)

Cause of Death*	Age of Decedent													Unk
	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+		
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	357	0	0	0	0	0	1	7	25	42	72	210	0	
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	3	0	0	0	0	0	0	0	0	0	0	3	0	
Hypertensive heart disease (I11)	16	0	0	0	0	0	0	2	2	3	7	2	0	
Hypertensive heart and renal disease (I13)	1	0	0	0	0	0	0	0	0	0	0	1	0	
Ischemic heart disease (I20-I25)	230	0	0	0	0	0	0	2	15	32	45	136	0	
All other forms of heart disease (I26-I51)	107	0	0	0	0	0	1	3	8	7	20	68	0	
<b>Malignant neoplasms (C00-C97)</b>	323	0	0	0	0	1	4	6	31	65	89	127	0	
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	7	0	0	0	0	0	1	0	1	2	1	2	0	
Malignant neoplasms of digestive organs (C15-C26)	83	0	0	0	0	0	1	1	10	15	17	39	0	
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	96	0	0	0	0	0	0	1	9	20	35	31	0	
Malignant neoplasms of breast (C50)	22	0	0	0	0	0	0	1	3	4	7	7	0	
Malignant neoplasms of female genital organs, (C51-C58)	21	0	0	0	0	0	0	0	4	6	6	5	0	
Malignant neoplasms of male genital organs, (C60-C63)	12	0	0	0	0	1	0	0	1	2	2	6	0	
Malignant neoplasms of urinary tract (C64-C68)	16	0	0	0	0	0	0	0	1	2	6	7	0	
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	1	0	0	0	0	0	0	0	0	1	0	0	0	
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	30	0	0	0	0	0	1	2	0	4	7	16	0	
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	35	0	0	0	0	0	1	1	2	9	8	14	0	
<b>Cerebrovascular diseases (I60-I69)</b>	59	0	0	0	0	0	0	2	3	7	10	37	0	

TABLE F-13 (continued)  
(2013 - Kent, 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>	78	0	0	0	0	0	0	1	0	0	1	4	15	57	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	72	0	0	0	0	1	7	13	14	12	7	6	6	12	0
Nontransport Accidents (W00-X59, Y86)	21	0	0	0	0	1	6	3	5	1	4	1	1	0	0
<b>Diabetes mellitus (E10-E14)</b>	51	0	0	0	0	0	1	10	9	11	3	5	12	12	0
<b>Influenza and pneumonia (J10-J18)</b>	47	0	0	0	0	0	0	0	3	7	8	12	17	17	0
<b>Alzheimer's disease (G30)</b>	24	0	0	0	0	0	0	1	0	2	4	4	13	13	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	31	0	0	0	0	0	0	0	0	0	0	0	1	30	0
<b>Septicemia (A40-A41)</b>	31	0	0	0	0	0	0	0	0	0	1	0	7	21	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	41	0	0	0	0	0	0	1	2	3	8	9	18	18	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	26	0	0	0	0	1	5	4	4	4	5	0	3	3	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	11	0	0	0	0	0	0	1	0	2	2	4	2	2	0
<b>Aortic aneurysm and dissection (I71)</b>	14	0	0	0	0	0	0	0	0	2	1	1	10	10	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	10	0	0	0	0	0	0	0	0	0	0	0	1	9	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	9	0	0	0	0	2	0	1	1	2	1	1	1	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	4	0	0	0	0	0	0	0	1	1	1	1	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	5	1	1	2	0	0	0	0	0	1	0	0	0	0	0
<b>TOTAL</b>	279	4	0	0	1	1	5	4	8	17	33	43	163	163	0
<b>TOTAL</b>	1422	6	1	2	1	5	18	31	49	113	190	276	730	730	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, 2013

(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 (100-109, 111, 113, 120-151)</b>	950	2	1	1	0	1	1	7	21	67	123	136	590	0
Acute rheumatic fever and chronic rheumatic heart disease (100-109)	5	0	0	0	0	0	0	0	0	1	0	2	2	0
Hypertensive heart disease (111)	38	0	0	0	0	0	1	1	0	11	12	2	12	0
Hypertensive heart and renal disease (113)	4	0	0	0	0	0	0	0	1	0	1	0	2	0
Ischemic heart disease (120-125)	627	0	0	0	0	0	2	12	37	79	96	401	0	0
All other forms of heart disease (126-151)	276	2	1	1	0	1	1	4	8	18	31	36	173	0
<b>Malignant neoplasms (C00-C97)</b>	1041	0	2	0	2	0	2	3	17	95	236	256	428	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	11	0	0	0	0	0	0	0	1	3	2	2	3	0
Malignant neoplasms of digestive organs (C15-C26)	271	0	0	0	0	0	0	1	1	23	59	75	112	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	288	0	0	0	0	0	0	1	4	22	73	75	113	0
Malignant neoplasms of breast (C50)	69	0	0	0	0	0	0	0	5	12	17	10	25	0
Malignant neoplasms of female genital organs, (C51-C58)	55	0	0	0	0	0	0	0	1	7	18	13	16	0
Malignant neoplasms of male genital organs, (C60-C63)	35	0	0	0	0	0	0	0	0	0	7	9	19	0
Malignant neoplasms of urinary tract (C64-C68)	62	0	1	0	0	0	0	0	0	5	8	14	34	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	40	0	0	0	0	0	1	0	2	3	9	10	15	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	107	0	1	0	1	0	1	0	0	6	20	26	52	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	103	0	0	0	1	0	0	1	3	14	23	22	39	0
<b>Cerebrovascular diseases (160-169)</b>	264	0	0	0	0	0	0	2	3	14	31	31	183	0

TABLE F-14 (continued)  
(2013 - New Castle, 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>	246	0	0	0	1	0	2	0	2	9	27	42	163	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	231	1	1	1	2	7	12	27	26	44	31	15	64	0
Nontransport Accidents (W00-X59, Y86)	62	0	0	1	2	6	6	4	6	15	9	7	6	0
<b>Diabetes mellitus (E10-E14)</b>	167	1	1	0	0	1	6	23	20	29	21	7	58	0
<b>Influenza and pneumonia (J10-J18)</b>	110	0	0	0	0	0	0	2	2	7	25	28	46	0
<b>Alzheimer's disease (G30)</b>	79	1	0	0	0	0	0	2	0	0	6	7	63	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	107	0	0	0	0	0	0	0	0	0	0	6	101	0
<b>Septicemia (A40-A41)</b>	102	0	0	0	0	0	0	0	1	9	13	21	58	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	80	1	0	0	0	0	2	0	1	6	12	16	42	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	69	0	0	0	1	1	4	13	9	20	14	3	4	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	40	0	0	0	0	0	0	1	2	12	8	6	11	0
<b>Aortic aneurysm and dissection (I71)</b>	29	0	0	0	0	0	0	0	1	2	5	4	17	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	11	0	0	0	0	0	0	0	0	0	2	2	7	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	40	0	0	0	0	8	6	10	6	6	1	2	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	27	0	0	0	0	0	1	2	1	12	9	1	1	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	31	31	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	14	4	1	0	0	0	0	1	2	0	3	1	2	0
<b>TOTAL</b>	867	8	3	2	2	2	2	11	19	53	97	106	562	0
<b>TOTAL</b>	4338	48	8	4	8	19	32	81	113	356	643	683	2343	0

LCDAGENC

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, 2013  
(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>	145	1	0	0	0	0	0	3	5	14	19	25	78	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)	9	0	0	0	0	0	0	0	0	0	4	0	5	0
Hypertensive heart and renal disease (I13)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ischemic heart disease (I20-I25)	93	0	0	0	0	0	0	1	2	8	7	19	56	0
All other forms of heart disease (I26-I51)	43	1	0	0	0	0	0	2	3	6	8	6	17	0
<b>Malignant neoplasms (C00-C97)</b>	129	0	0	0	0	0	1	1	3	9	35	28	52	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	2	0	0	0	0	0	0	0	0	0	0	1	1	0
Malignant neoplasms of digestive organs (C15-C26)	37	0	0	0	0	0	0	1	0	1	13	9	13	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	32	0	0	0	0	0	0	0	1	4	10	6	11	0
Malignant neoplasms of breast (C50)	7	0	0	0	0	0	0	0	0	1	4	0	2	0
Malignant neoplasms of female genital organs, (C51-C58)	9	0	0	0	0	0	0	0	1	0	2	2	4	0
Malignant neoplasms of male genital organs, (C60-C63)	6	0	0	0	0	0	0	0	0	0	0	3	3	0
Malignant neoplasms of urinary tract (C64-C68)	6	0	0	0	0	0	0	0	0	0	1	1	4	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	4	0	0	0	0	0	0	0	1	0	0	1	2	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	15	0	0	0	0	0	1	0	0	1	1	5	7	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	11	0	0	0	0	0	0	0	0	2	4	0	5	0
<b>Cerebrovascular diseases (I60-I69)</b>	44	0	0	0	0	0	0	0	0	2	4	4	34	0

TABLE F-15 (continued)  
 (2013 - 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>	31	0	0	0	1	0	1	0	1	3	4	5	16	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	39	0	1	0	0	0	4	3	3	9	8	4	6	0
Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	10	0	0	0	1	0	3	0	0	3	1	2	0	0
Nontransport Accidents (W00-X59, Y86)	29	0	1	0	0	0	1	3	3	6	7	2	6	0
<b>Diabetes mellitus (E10-E14)</b>	23	0	0	0	0	0	0	1	1	2	4	5	10	0
<b>Influenza and pneumonia (J10-J18)</b>	7	0	0	0	0	0	0	0	0	0	3	0	4	0
<b>Alzheimer's disease (G30)</b>	12	0	0	0	0	0	0	0	0	0	0	0	12	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	20	0	0	0	0	0	0	0	0	5	3	5	7	0
<b>Septicemia (A40-A41)</b>	11	0	0	0	0	0	0	0	0	0	5	2	4	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	6	0	0	0	0	0	0	3	1	1	1	0	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	8	0	0	0	0	0	0	0	0	2	2	2	2	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	7	0	0	0	0	0	0	0	0	1	2	3	1	0
<b>Aortic aneurysm and dissection (I71)</b>	2	0	0	0	0	0	0	0	0	0	0	0	2	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	21	0	0	0	0	5	2	8	1	2	0	2	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	18	0	0	0	0	0	0	2	1	8	6	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	9	9	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	2	1	1	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	117	3	0	0	1	0	0	4	7	11	13	18	60	0
<b>TOTAL</b>	651	14	2	0	3	5	8	25	23	69	109	104	289	0

LCDAGEWLM

Note:  
 \*ICD Codes, Tenth Revision.

Source:  
 Delaware Health Statistics Center



TABLE F-16  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
SUSSEX, 2013

(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>	557	0	0	0	0	0	0	1	8	35	70	89	354	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	2	0	0	0	0	0	0	0	0	0	1	0	1	0
Hypertensive heart disease (I11)	24	0	0	0	0	0	0	0	1	9	5	7	2	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)	393	0	0	0	0	0	0	0	5	19	45	65	259	0
All other forms of heart disease (I26-I51)	137	0	0	0	0	0	0	1	2	7	19	17	91	0
<b>Malignant neoplasms (C00-C97)</b>	539	0	0	0	0	0	0	4	8	36	100	154	237	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5	0	0	0	0	0	0	0	0	0	2	1	2	0
Malignant neoplasms of digestive organs (C15-C26)	126	0	0	0	0	0	0	1	4	13	20	42	46	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	177	0	0	0	0	0	0	0	1	11	44	54	67	0
Malignant neoplasms of breast (C50)	42	0	0	0	0	0	0	0	0	3	9	13	17	0
Malignant neoplasms of female genital organs, (C51-C58)	25	0	0	0	0	0	0	0	2	2	5	11	5	0
Malignant neoplasms of male genital organs, (C60-C63)	25	0	0	0	0	0	0	0	0	0	0	1	24	0
Malignant neoplasms of urinary tract (C64-C68)	27	0	0	0	0	0	0	0	0	0	1	8	18	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	12	0	0	0	0	0	0	1	0	2	1	5	3	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	55	0	0	0	0	0	0	0	1	1	10	8	35	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	45	0	0	0	0	0	0	2	0	4	8	11	20	0
<b>Cerebrovascular diseases (I60-I69)</b>	86	0	0	0	0	0	1	1	1	4	11	15	53	0

TABLE F-16 (continued)  
(2013 - Sussex, 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>	159	0	0	0	0	0	0	1	0	6	15	41	96	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	100	0	2	0	0	2	1	19	18	10	14	6	28	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	1	0	0	2	0	6	7	3	6	3	3	0
Nontransport Accidents (W00-X59, Y86)	69	0	1	0	0	0	1	13	11	7	8	3	25	0
<b>Diabetes mellitus (E10-E14)</b>	61	0	0	0	0	0	0	1	0	2	9	10	39	0
<b>Influenza and pneumonia (J10-J18)</b>	47	0	0	0	0	0	0	0	0	3	4	6	34	0
<b>Alzheimer's disease (G30)</b>	54	0	0	0	0	0	0	0	0	0	0	5	49	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	45	0	0	0	0	0	0	1	0	3	5	8	28	0
<b>Septicemia (A40-A41)</b>	36	0	0	0	0	0	0	0	2	0	3	9	22	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	27	0	0	0	0	2	1	1	2	6	6	4	5	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	31	0	0	0	0	0	0	0	0	4	14	10	3	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	26	0	0	0	0	0	0	0	0	2	2	1	21	0
<b>Aortic aneurysm and dissection (I71)</b>	9	0	0	0	0	0	0	0	0	0	0	2	7	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	3	0	0	0	0	0	1	0	1	1	0	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	5	0	0	0	0	0	0	0	0	2	0	1	2	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>	8	1	1	0	0	0	0	2	1	2	0	0	1	0
<b>All other causes</b>	407	6	0	1	1	0	0	5	8	18	50	65	253	0
<b>TOTAL</b>	2207	14	3	1	1	4	4	36	49	134	303	426	1232	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, 2013

(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 (100-109, 111, 113, 120-151)</b>	962	1	1	0	0	1	1	4	24	80	166	178	506	0
Acute rheumatic fever and chronic rheumatic heart disease (100-109)	4	0	0	0	0	0	0	0	0	0	1	1	2	0
Hypertensive heart disease (111)	37	0	0	0	0	0	1	1	1	11	11	9	4	0
Hypertensive heart and renal disease (113)	4	0	0	0	0	0	0	0	1	0	1	0	2	0
Ischemic heart disease (120-125)	670	0	0	0	0	0	1	14	49	119	125	362	0	0
All other forms of heart disease (126-151)	247	1	1	0	0	1	1	2	8	20	34	43	136	0
<b>Malignant neoplasms (C00-C97)</b>	1009	0	1	0	0	0	1	8	10	87	216	260	426	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	18	0	0	0	0	0	1	1	1	4	5	3	4	0
Malignant neoplasms of digestive organs (C15-C26)	288	0	0	0	0	0	3	3	35	63	78	106	0	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	321	0	0	0	0	0	0	3	25	81	89	123	0	0
Malignant neoplasms of breast (C50)	2	0	0	0	0	0	0	0	1	1	0	0	0	0
Malignant neoplasms of male genital organs, (C60-C63)	72	0	0	0	0	1	0	0	1	9	12	49	0	0
Malignant neoplasms of urinary tract (C64-C68)	63	0	0	0	0	0	0	0	4	6	18	35	0	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	22	0	0	0	0	0	1	0	2	1	8	10	0	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	119	0	1	0	0	0	1	1	2	5	21	28	61	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	104	0	0	0	0	0	2	1	10	29	24	38	0	0
<b>Cerebrovascular diseases (I60-I69)</b>	169	0	0	0	0	0	1	1	1	10	26	102	0	0

TABLE F-17 (continued)  
(2013 - All Races, Male)

	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>	211	0	0	0	1	0	1	1	2	6	22	48	130	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	247	0	2	1	1	7	13	42	36	44	33	20	48	0
Nontransport Accidents (W00-X59, Y86)	79	0	0	1	1	7	8	9	12	15	14	8	4	0
<b>Diabetes mellitus (E10-E14)</b>	166	0	2	0	0	0	5	33	24	29	18	11	44	0
<b>Influenza and pneumonia (J10-J18)</b>	130	0	0	0	0	0	0	3	5	11	27	30	54	0
<b>Alzheimer's disease (G30)</b>	65	0	0	0	0	0	0	1	0	2	7	6	49	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	62	0	0	0	0	0	0	0	0	0	0	6	56	0
<b>Septicemia (A40-A41)</b>	87	0	0	0	0	0	0	1	0	8	16	12	50	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	77	1	0	0	0	0	0	0	1	2	8	21	44	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	91	0	0	0	0	1	9	12	14	20	18	6	11	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	57	0	0	0	0	0	0	1	2	13	14	16	11	0
<b>Aortic aneurysm and dissection (I71)</b>	27	0	0	0	0	0	0	0	0	2	5	2	18	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	16	0	0	0	0	0	0	0	0	0	2	4	10	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	41	0	0	0	0	9	7	9	4	8	1	3	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	28	0	0	0	0	0	1	1	2	10	8	3	3	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	25	25	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	11	2	1	1	0	0	0	2	1	1	2	0	1	0
<b>TOTAL</b>	716	10	1	3	4	1	4	12	23	57	107	116	378	0
<b>TOTAL</b>	4031	39	6	5	6	19	38	98	125	361	678	759	1897	0

LCDAGMAL

Note:  
\*ICD Codes, Tenth Revision.

Source:  
Delaware Health Statistics Center

TABLE F-18  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2013

(ALL RACES, FEMALES)

Cause of Death*	Age of Decedent											Unk		
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	902	1	0	1	0	0	0	5	12	47	69	119	648	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	6	0	0	0	0	0	0	0	0	1	0	1	4	0
Hypertensive heart disease (I11)	41	0	0	0	0	0	0	0	2	11	9	7	12	0
Hypertensive heart and renal disease (I13)	2	0	0	0	0	0	0	0	0	0	0	0	2	0
Ischemic heart disease (I20-I25)	580	0	0	0	0	0	0	1	5	22	37	81	434	0
All other forms of heart disease (I26-I51)	273	1	0	1	0	0	0	4	5	13	23	30	196	0
<b>Malignant neoplasms (C00-C97)</b>	894	0	1	0	2	0	2	3	21	75	185	239	366	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5	0	0	0	0	0	0	0	0	0	1	1	3	0
Malignant neoplasms of digestive organs (C15-C26)	192	0	0	0	0	0	0	0	3	11	31	56	91	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	240	0	0	0	0	0	0	1	3	17	56	75	88	0
Malignant neoplasms of breast (C50)	131	0	0	0	0	0	0	0	6	17	29	30	49	0
Malignant neoplasms of female genital organs, (C51-C58)	101	0	0	0	0	0	0	0	3	13	29	30	26	0
Malignant neoplasms of urinary tract (C64-C68)	42	0	1	0	0	0	0	0	0	2	5	10	24	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	31	0	0	0	0	0	1	0	2	3	10	7	8	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	73	0	0	0	1	0	1	0	1	2	13	13	42	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	79	0	0	0	1	0	0	2	3	10	11	17	35	0
<b>Cerebrovascular diseases (I60-I69)</b>	240	0	0	0	0	0	0	2	5	11	23	28	171	0

TABLE F-18 (continued)  
(2013 - All Races, Female)

	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>	272	0	0	0	0	0	1	1	0	10	24	50	186	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	156	1	1	0	1	3	7	17	22	22	19	7	56	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	1	2	4	4	6	4	5	3	5	0
Nontransport Accidents (W00-X59, Y86)	121	1	0	0	0	1	3	13	16	18	14	4	51	0
<b>Diabetes mellitus (E10-E14)</b>	88	0	0	0	0	0	0	0	0	5	15	20	48	0
<b>Influenza and pneumonia (J10-J18)</b>	85	1	0	0	0	0	0	2	0	3	7	11	61	0
<b>Alzheimer's disease (G30)</b>	130	0	0	0	0	0	0	0	0	0	0	6	124	0
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	91	0	0	0	0	0	0	0	2	4	4	24	57	0
<b>Septicemia (A40-A41)</b>	80	0	0	0	0	0	2	1	4	7	15	13	38	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	31	0	0	0	1	3	1	6	1	10	7	1	1	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	25	0	0	0	0	0	0	1	0	5	10	4	5	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	42	0	0	0	0	0	0	0	1	4	3	4	30	0
<b>Aortic aneurysm and dissection (I71)</b>	14	0	0	0	0	0	0	0	0	0	0	1	13	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	11	0	0	0	0	1	0	2	4	1	1	0	2	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	8	0	0	0	0	0	0	1	0	5	2	0	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	14	14	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	16	4	2	1	0	0	0	1	2	2	1	1	2	0
<b>All Other Causes</b>	837	8	2	0	0	2	3	8	12	31	73	98	600	0
<b>TOTAL</b>	3936	29	6	2	4	9	16	50	86	242	458	626	2408	0

LCDAGFEW

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, 2013

(WHITE, BOTH SEXES)

Cause of Death*	Age of Decedent													Unk
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	1541	1	0	1	0	1	1	5	19	87	180	226	1020	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	8	0	0	0	0	0	0	0	0	1	0	2	5	0
Hypertensive heart disease (I11)	56	0	0	0	0	0	0	0	2	13	14	13	14	0
Hypertensive heart and renal disease (I13)	5	0	0	0	0	0	0	0	0	0	1	0	4	0
Ischemic heart disease (I20-I25)	1042	0	0	0	0	0	1	10	56	124	157	694	0	
All other forms of heart disease (I26-I51)	430	1	0	1	0	1	4	7	17	41	54	303	0	
<b>Malignant neoplasms (C00-C97)</b>	1557	0	2	0	1	0	2	8	24	115	304	418	683	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	17	0	0	0	0	0	1	0	0	3	5	2	6	0
Malignant neoplasms of digestive organs (C15-C26)	388	0	0	0	0	0	2	5	34	69	108	170	0	
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	468	0	0	0	0	0	0	0	5	33	106	144	180	0
Malignant neoplasms of breast (C50)	102	0	0	0	0	0	0	0	3	10	18	25	46	0
Malignant neoplasms of female genital organs, (C51-C58)	75	0	0	0	0	0	0	0	2	10	23	19	21	0
Malignant neoplasms of male genital organs, (C60-C63)	48	0	0	0	0	0	1	0	0	0	6	6	35	0
Malignant neoplasms of urinary tract (C64-C68)	93	0	1	0	0	0	0	0	0	6	9	25	52	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	46	0	0	0	0	0	1	1	2	4	9	15	14	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	162	0	1	0	0	0	0	1	3	4	26	37	90	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	158	0	0	0	1	0	0	3	4	11	33	37	69	0
<b>Cerebrovascular diseases (I60-I69)</b>	316	0	0	0	0	0	1	2	4	10	30	41	228	0

TABLE F-19 (continued)  
(2013 - White, 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>	426	0	0	0	0	0	1	2	2	12	41	87	281	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	334	1	2	1	1	8	12	47	47	55	46	22	92	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)	88	0	1	1	1	7	6	10	13	15	17	10	7	0
Nontransport Accidents (W00-X59, Y86)	244	1	1	0	0	1	6	37	34	40	28	11	85	0
<b>Diabetes mellitus (E10-E14)</b>	151	0	0	0	0	0	0	1	3	11	29	37	70	0
<b>Influenza and pneumonia (J10-J18)</b>	133	1	0	0	0	0	0	3	0	5	10	14	100	0
<b>Alzheimer's disease (G30)</b>	163	0	0	0	0	0	0	0	0	0	0	10	153	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	129	0	0	0	0	0	0	0	0	6	11	25	87	0
<b>Septicemia (A40-A41)</b>	124	1	0	0	0	0	2	0	4	5	13	29	70	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	112	0	0	0	0	1	9	16	13	29	24	6	12	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	70	0	0	0	0	0	0	2	2	12	23	16	15	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	54	0	0	0	0	0	0	0	1	4	3	4	42	0
<b>Aortic aneurysm and dissection (I71)</b>	23	0	0	0	0	0	0	0	0	0	0	5	18	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	20	0	0	0	0	1	0	1	7	6	1	3	1	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	8	0	0	0	0	0	1	1	0	2	2	1	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>	22	5	2	1	0	0	0	3	2	2	3	1	3	0
<b>All other causes</b>	1303	8	0	1	3	2	5	14	21	71	138	167	873	0
<b>TOTAL</b>	6498	29	6	4	6	14	34	105	149	432	858	1112	3749	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, 2013  
(WHITE MALES)

Cause of Death*	Age of Decedent												
	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75+	Unk
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>													
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	807	0	0	0	1	1	1	14	59	129	145	457	0
Hypertensive heart disease (I11)	2	0	0	0	0	0	0	0	0	0	1	1	0
Hypertensive heart and renal disease (I13)	27	0	0	0	0	0	0	0	8	9	7	3	0
Ischemic heart disease (I20-I25)	3	0	0	0	0	0	0	0	0	1	0	2	0
All other forms of heart disease (I26-I51)	571	0	0	0	0	0	0	8	40	94	101	328	0
<b>Malignant neoplasms (C00-C97)</b>													
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	204	0	0	0	1	1	1	6	11	25	36	123	0
Malignant neoplasms of digestive organs (C15-C26)	840	0	1	0	0	1	7	8	65	167	221	370	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	13	0	0	0	0	0	1	0	3	4	1	4	0
Malignant neoplasms of breast (C50)	238	0	0	0	0	0	2	2	29	47	63	95	0
Malignant neoplasms of male genital organs, (C60-C63)	271	0	0	0	0	0	0	3	20	62	79	107	0
Malignant neoplasms of urinary tract (C64-C68)	0	0	0	0	0	0	0	0	0	0	0	0	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	48	0	0	0	0	1	0	0	0	6	6	35	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	58	0	0	0	0	0	0	0	4	5	17	32	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	19	0	0	0	0	0	1	0	1	1	8	8	0
<b>Cerebrovascular diseases (I60-I69)</b>													
	103	0	1	0	0	0	1	2	3	17	26	53	0
	90	0	0	0	0	0	2	1	5	25	21	36	0
	125	0	0	0	0	1	0	1	5	14	19	85	0

TABLE F-20 (continued)  
(2013 - White Males)

	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>	184	0	0	0	0	0	1	1	2	5	21	42	112	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	203	0	1	1	0	5	8	31	29	39	28	17	44	0
Nontransport Accidents (W00-X59, Y86)	60	0	0	1	0	5	4	6	8	13	13	7	3	0
<b>Diabetes mellitus (E10-E14)</b>	141	0	1	0	0	0	4	25	21	26	14	9	41	0
<b>Influenza and pneumonia (J10-J18)</b>	93	0	0	0	0	0	0	1	3	9	21	23	36	0
<b>Alzheimer's disease (G30)</b>	58	0	0	0	0	0	0	1	0	2	5	4	46	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	52	0	0	0	0	0	0	0	0	0	0	4	48	0
<b>Septicemia (A40-A41)</b>	63	0	0	0	0	0	0	0	0	3	8	9	43	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	66	1	0	0	0	0	0	0	0	0	5	21	39	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	82	0	0	0	0	0	8	10	12	19	17	5	11	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	49	0	0	0	0	0	0	1	2	11	13	12	10	0
<b>Aortic aneurysm and dissection (I71)</b>	23	0	0	0	0	0	0	0	0	2	3	1	17	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	11	0	0	0	0	0	0	0	0	0	0	4	7	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	12	0	0	0	0	0	0	1	3	5	0	3	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	8	0	0	0	0	0	1	1	0	2	2	1	1	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>	11	2	1	1	0	0	0	2	1	1	2	0	1	0
<b>TOTAL</b>	597	3	0	1	3	0	4	10	15	48	87	93	333	0
	3289	11	3	3	3	6	25	67	90	275	522	624	1660	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, 2013  
(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>	734	1	0	1	0	0	0	4	5	28	51	81	563	0
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	6	0	0	0	0	0	0	0	0	1	0	1	4	0
Hypertensive heart disease (I11)	29	0	0	0	0	0	0	0	2	5	5	6	11	0
Hypertensive heart and renal disease (I13)	2	0	0	0	0	0	0	0	0	0	0	0	2	0
Ischemic heart disease (I20-I25)	471	0	0	0	0	0	0	1	2	16	30	56	366	0
All other forms of heart disease (I26-I51)	226	1	0	1	0	0	0	3	1	6	16	18	180	0
<b>Malignant neoplasms (C00-C97)</b>	717	0	1	0	1	0	1	1	16	50	137	197	313	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)	150	0	0	0	0	0	0	0	3	5	22	45	75	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	197	0	0	0	0	0	0	0	2	13	44	65	73	0
Malignant neoplasms of breast (C50)	102	0	0	0	0	0	0	0	3	10	18	25	46	0
Malignant neoplasms of female genital organs, (C51-C58)	75	0	0	0	0	0	0	0	2	10	23	19	21	0
Malignant neoplasms of urinary tract (C64-C68)	35	0	1	0	0	0	0	0	0	2	4	8	20	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	27	0	0	0	0	0	1	0	2	3	8	7	6	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	59	0	0	0	0	0	0	0	1	1	9	11	37	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	68	0	0	0	0	1	0	1	3	6	8	16	33	0
<b>Cerebrovascular diseases (I60-I69)</b>	191	0	0	0	0	0	0	2	3	5	16	22	143	0

TABLE F-21 (continued)  
(2013 - White Females)

	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>	242	0	0	0	0	0	0	1	0	7	20	45	169	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	131	1	1	0	1	3	4	16	18	16	18	5	48	0
Nontransport Accidents (W00-X59, Y86)	28	0	1	0	1	2	2	4	5	2	4	3	4	0
<b>Diabetes mellitus (E10-E14)</b>	103	1	0	0	0	1	2	12	13	14	14	2	44	0
<b>Influenza and pneumonia (J10-J18)</b>	58	0	0	0	0	0	0	0	0	2	8	14	34	0
<b>Alzheimer's disease (G30)</b>	75	1	0	0	0	0	0	2	0	3	5	10	54	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	111	0	0	0	0	0	0	0	0	0	0	6	105	0
<b>Septicemia (A40-A41)</b>	66	0	0	0	0	0	0	0	0	3	3	16	44	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	58	0	0	0	0	0	2	0	4	5	8	8	31	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	30	0	0	0	1	2	1	6	1	10	7	1	1	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	21	0	0	0	0	0	0	1	0	1	10	4	5	0
<b>Aortic aneurysm and dissection (I71)</b>	31	0	0	0	0	0	0	0	1	2	0	3	25	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	12	0	0	0	0	0	0	0	0	0	0	1	11	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	8	0	0	0	0	1	0	0	4	1	1	0	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	7	7	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	11	3	1	0	0	0	0	1	1	1	1	1	2	0
<b>TOTAL</b>	706	5	0	0	0	2	1	4	6	23	51	74	540	0
	3209	18	3	1	3	8	9	38	59	157	336	488	2089	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, 2013

(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>	284	1	1	0	0	0	0	3	17	35	49	59	119	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)	22	0	0	0	0	0	1	1	1	9	6	3	2	0
Hypertensive heart and renal disease (I13)	1	0	0	0	0	0	0	1	1	0	0	0	0	0
Ischemic heart disease (I20-I25)	179	0	0	0	0	0	1	9	13	27	39	39	90	0
All other forms of heart disease (I26-I51)	82	1	1	0	0	0	1	6	13	16	17	17	27	0
<b>Malignant neoplasms (C00-C97)</b>	311	0	0	0	1	0	1	2	6	41	89	77	94	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5	0	0	0	0	0	0	0	1	0	1	2	1	0
Malignant neoplasms of digestive organs (C15-C26)	82	0	0	0	0	0	0	1	10	24	24	24	23	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	85	0	0	0	0	0	1	1	9	28	19	19	27	0
Malignant neoplasms of breast (C50)	28	0	0	0	0	0	0	2	7	11	5	5	3	0
Malignant neoplasms of female genital organs, (C51-C58)	26	0	0	0	0	0	0	1	3	6	11	11	5	0
Malignant neoplasms of male genital organs, (C60-C63)	23	0	0	0	0	0	0	0	1	3	6	6	13	0
Malignant neoplasms of urinary tract (C64-C68)	11	0	0	0	0	0	0	0	0	2	2	2	7	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	5	0	0	0	0	0	0	0	1	1	1	0	3	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	26	0	0	0	1	0	1	0	0	3	8	4	9	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	20	0	0	0	0	0	1	0	7	5	4	4	3	0
<b>Cerebrovascular diseases (I60-I69)</b>	78	0	0	0	0	0	1	1	1	9	18	15	34	0

TABLE F-22 (continued)  
(2013 - 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>	49	0	0	0	1	0	1	0	0	0	3	4	9	31	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	55	0	0	0	1	2	6	11	9	11	4	4	4	7	0
Nontransport Accidents (W00-X59, Y86)	21	0	0	0	1	2	4	3	4	4	1	1	1	1	0
<b>Diabetes mellitus (E10-E14)</b>	34	0	0	0	0	0	2	8	5	7	3	3	3	6	0
<b>Influenza and pneumonia (J10-J18)</b>	62	0	0	0	0	0	0	2	1	4	13	13	29	0	0
<b>Alzheimer's disease (G30)</b>	17	0	0	0	0	0	0	0	0	0	4	3	10	0	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	27	0	0	0	0	0	0	0	0	0	0	0	2	25	0
<b>Septicemia (A40-A41)</b>	44	0	0	0	0	0	0	1	2	6	9	10	16	0	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	28	0	0	0	0	0	0	1	1	3	9	4	10	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	8	0	0	0	0	1	1	2	1	1	1	1	1	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	12	0	0	0	0	0	0	0	0	6	1	4	1	0	0
<b>Aortic aneurysm and dissection (I71)</b>	13	0	0	0	0	0	0	0	0	2	4	2	5	0	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	7	0	0	0	0	0	0	0	0	0	2	0	5	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	32	0	0	0	0	9	7	10	1	3	1	0	1	0	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	27	0	0	0	0	0	0	1	2	13	7	2	2	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	22	22	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	4	1	1	0	0	0	0	0	1	1	0	0	0	0	0
<b>TOTAL</b>	215	10	2	2	1	1	2	6	11	16	37	38	89	0	0
	1295	34	4	2	4	13	18	40	53	154	252	243	478	0	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, 2013  
(BLACK MALES)

Cause of Death*	Age of Decedent											Unk		
	Total	< 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>														
Acute rheumatic fever and chronic rheumatic heart disease (I00-I09)	133	1	1	0	0	0	0	2	10	19	32	28	40	0
Hypertensive heart disease (I11)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hypertensive heart and renal disease (I13)	10	0	0	0	0	0	1	1	1	3	2	2	1	0
Ischemic heart disease (I20-I25)	1	0	0	0	0	0	0	0	1	0	0	0	0	0
All other forms of heart disease (I26-I51)	82	0	0	0	0	0	1	6	7	21	20	27	0	0
<b>Malignant neoplasms (C00-C97)</b>														
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	40	1	1	0	0	0	0	2	2	9	9	6	12	0
Malignant neoplasms of digestive organs (C15-C26)	150	0	0	0	0	0	0	2	2	18	46	36	48	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	4	0	0	0	0	0	0	1	1	0	1	2	0	0
Malignant neoplasms of breast (C50)	45	0	0	0	0	0	0	1	1	5	15	14	10	0
Malignant neoplasms of male genital organs, (C60-C63)	47	0	0	0	0	0	0	0	0	5	19	9	14	0
Malignant neoplasms of urinary tract (C64-C68)	1	0	0	0	0	0	0	0	0	1	0	0	0	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	23	0	0	0	0	0	0	0	0	1	3	6	13	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	4	0	0	0	0	0	0	0	0	0	1	0	3	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80, C97)	2	0	0	0	0	0	0	0	0	1	0	0	1	0
<b>Cerebrovascular diseases (I60-I69)</b>														
	13	0	0	0	0	0	0	0	0	2	4	2	5	0
	11	0	0	0	0	0	0	0	0	3	3	3	2	0
	38	0	0	0	0	0	1	0	1	4	11	9	13	0

TABLE F-23 (continued)  
(2013 - Black Males)

	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>	23	0	0	0	1	0	0	0	0	0	1	4	16	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b>	37	0	0	0	1	2	4	10	6	5	4	3	2	0
Motor Vehicle Accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	16	0	0	0	1	2	3	3	3	2	1	1	0	0
Nontransport Accidents (W00-X59, Y86)	21	0	0	0	0	0	1	7	3	3	3	2	2	0
<b>Diabetes mellitus (E10-E14)</b>	33	0	0	0	0	0	0	2	1	1	6	7	16	0
<b>Influenza and pneumonia (J10-J18)</b>	7	0	0	0	0	0	0	0	0	0	2	2	3	0
<b>Alzheimer's disease (G30)</b>	9	0	0	0	0	0	0	0	0	0	0	2	7	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	21	0	0	0	0	0	0	1	0	5	8	2	5	0
<b>Septicemia (A40-A41)</b>	8	0	0	0	0	0	0	0	1	1	2	0	4	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	8	0	0	0	0	1	1	2	1	1	1	1	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	8	0	0	0	0	0	0	0	0	2	1	4	1	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	3	0	0	0	0	0	0	0	0	0	1	1	1	0
<b>Aortic aneurysm and dissection (I71)</b>	5	0	0	0	0	0	0	0	0	0	2	0	3	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	29	0	0	0	0	9	7	8	1	3	1	0	0	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	20	0	0	0	0	0	0	0	2	8	6	2	2	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	16	16	0	0	0	0	0	0	0	0	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	104	7	0	2	1	1	0	2	7	8	20	17	39	0
<b>TOTAL</b>	652	24	1	2	3	13	12	28	31	76	144	118	200	0

Note:  
\*ICD Codes, Tenth Revision.  
LCDPAGEEM

Source:  
Delaware Health Statistics Center



TABLE F-24  
NUMBER OF DEATHS BY AGE FOR SELECTED LEADING CAUSES OF DEATH  
DELAWARE, 2013  
(BLACK FEMALES)

Cause of Death*	Age of Decedent											Unk		
	Total	<1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64		65-74	75+
<b>Diseases of the heart (I00-I09, I11, I13, I20-I51)</b>	151	0	0	0	0	0	0	1	7	16	17	31	79	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)	12	0	0	0	0	0	0	0	0	6	4	1	1	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)	97	0	0	0	0	0	0	0	3	6	6	19	63	0
All other forms of heart disease (I26-I51)	42	0	0	0	0	0	0	1	4	4	7	11	15	0
<b>Malignant neoplasms (C00-C97)</b>	161	0	0	0	1	0	1	2	4	23	43	41	46	0
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	1	0	0	0	0	0	0	0	0	0	0	0	1	0
Malignant neoplasms of digestive organs (C15-C26)	37	0	0	0	0	0	0	0	0	5	9	10	13	0
Malignant neoplasms of respiratory and intrathoracic organs (C30-C39)	38	0	0	0	0	0	0	1	1	4	9	10	13	0
Malignant neoplasms of breast (C50)	27	0	0	0	0	0	0	0	2	6	11	5	3	0
Malignant neoplasms of female genital organs, (C51-C58)	26	0	0	0	0	0	0	0	1	3	6	11	5	0
Malignant neoplasms of urinary tract (C64-C68)	7	0	0	0	0	0	0	0	0	0	1	2	4	0
Malignant neoplasms of meninges, brain, and other parts of central nervous system (C70-C72)	3	0	0	0	0	0	0	0	0	0	1	0	2	0
Malignant neoplasms of lymphoid, hematopoietic, and related tissues (C81-C96)	13	0	0	0	1	0	1	0	0	1	4	2	4	0
All other and unspecified malignant neoplasms (C40-C49, C69, C73-C80,C97)	9	0	0	0	0	0	0	1	0	4	2	1	1	0
<b>Cerebrovascular diseases (I60-I69)</b>	40	0	0	0	0	0	0	0	1	5	7	6	21	0

TABLE F.24 (continued)  
(2013 - Black Females)

	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>	26	0	0	0	0	0	1	0	0	0	2	3	5	15	0
<b>Accidents (unintentional injuries) (V01-X59, Y85-Y86)</b> Motor Vehicle Accidents (V02-V04, V09.0-V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	18	0	0	0	0	0	2	1	3	6	0	0	1	5	0
Nontransport Accidents (W00-X59, Y86)	5	0	0	0	0	0	1	0	1	2	0	0	0	1	0
<b>Diabetes mellitus (E10-E14)</b>	13	0	0	0	0	0	1	1	2	4	0	1	1	4	0
<b>Influenza and pneumonia (J10-J18)</b>	29	0	0	0	0	0	0	0	0	3	7	6	13	0	0
<b>Alzheimer's disease (G30)</b>	10	0	0	0	0	0	0	0	0	0	2	1	7	0	0
<b>Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)</b>	18	0	0	0	0	0	0	0	0	0	0	0	0	18	0
<b>Septicemia (A40-A41)</b>	23	0	0	0	0	0	0	0	2	1	1	8	11	0	0
<b>Intentional self-harm (suicide) (X60-X84, Y87.0)</b>	20	0	0	0	0	0	0	1	0	2	7	4	6	0	0
<b>Chronic liver disease and cirrhosis (K70, K73-K74)</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Essential hypertension and hypertensive renal disease (I10, I12)</b>	4	0	0	0	0	0	0	0	0	4	0	0	0	0	0
<b>Aortic aneurysm and dissection (I71)</b>	10	0	0	0	0	0	0	0	0	2	3	1	4	0	0
<b>Assault (homicide) (X85-Y09, Y87.1)</b>	2	0	0	0	0	0	0	0	0	0	0	0	0	2	0
<b>Human immunodeficiency virus (HIV) (B20-B24)</b>	3	0	0	0	0	0	0	2	0	0	0	0	0	1	0
<b>Certain conditions originating in the perinatal period (P00-P96)</b>	7	0	0	0	0	0	0	1	0	5	1	0	0	0	0
<b>Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)</b>	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>All other causes</b>	4	1	1	0	0	0	0	0	1	1	0	0	0	0	0
<b>TOTAL</b>	111	3	2	0	0	0	2	4	4	8	17	21	50	0	0
	643	10	3	0	0	1	6	12	22	78	108	125	278	0	0

LCDAGEBF

Note:  
\*ICD Codes, Tenth Revision.

Source:  
Delaware Health Statistics Center

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

U.S., DELAWARE, AND COUNTIES, 1999-2013

Area/ Race	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
<b>Delaware</b>	65	68	67	70	80	58	63	53	55	58	41	46	36	36	36
Males	49	46	47	51	58	36	43	33	33	27	27	33	28	24	28
White	14	11	10	14	18	7	8	9	13	11	5	7	7	5	8
Black	34	35	37	37	40	29	35	24	20	16	22	26	21	19	20
Females	16	22	20	19	22	22	20	20	22	31	14	13	8	12	8
White	2	2	1	6	3	6	2	1	1	6	2	4	0	3	0
Black	14	20	19	13	19	16	18	19	21	25	12	9	8	9	7
<b>Kent</b>	8	4	9	4	8	8	5	11	9	8	5	10	5	8	4
Males	5	0	5	4	7	5	2	7	5	2	5	6	5	6	4
White	3	0	2	0	2	2	0	1	2	1	2	2	2	2	1
Black	2	0	3	4	5	3	2	6	3	1	3	4	3	4	3
Females	3	4	4	0	1	3	3	4	4	6	0	4	0	2	0
White	0	2	0	0	1	0	0	0	0	1	0	0	0	0	0
Black	3	2	4	0	0	3	3	4	4	5	0	4	0	2	0
<b>New Castle</b>	45	54	52	56	69	46	51	34	39	42	34	31	25	27	27
Males	34	37	38	40	49	29	35	19	21	17	21	23	18	17	19
White	7	6	6	9	15	4	6	5	6	4	2	2	4	3	4
Black	27	31	32	31	34	25	29	14	15	13	19	21	14	14	15
Females	11	17	14	16	20	17	16	15	18	25	13	8	7	10	8
White	2	0	1	4	2	5	2	1	1	5	1	4	0	3	0
Black	9	17	13	12	18	12	14	14	17	20	12	4	7	7	7
Wilmington	23	35	37	28	43	25	33	19	22	29	27	19	15	15	18
Males	20	25	28	22	30	15	21	7	10	13	16	16	9	9	13
White	2	4	3	4	5	0	2	0	0	1	1	0	0	2	1
Black	18	21	25	18	25	15	19	7	10	12	15	16	9	7	12
Females	3	10	9	6	13	10	12	12	12	16	11	3	6	6	5
White	0	0	1	0	0	1	1	1	1	3	1	1	0	0	0
Black	3	10	8	6	13	9	11	11	11	13	10	2	6	6	4
Bal of NCCo	22	19	15	28	26	21	18	15	17	13	7	12	10	12	9
Males	14	12	10	18	19	14	14	12	11	4	5	7	9	8	6
White	5	2	3	5	10	4	4	5	6	3	1	2	4	1	3
Black	9	10	7	13	9	10	10	7	5	1	4	5	5	7	3
Females	8	7	5	10	7	7	4	3	6	9	2	5	1	4	3
White	2	0	0	4	2	4	1	0	0	2	0	3	0	3	0
Black	6	7	5	6	5	3	3	3	6	7	2	2	1	1	3
<b>Sussex</b>	12	10	6	10	3	4	7	8	7	8	2	5	6	1	5
Males	10	9	4	7	2	2	6	7	7	8	1	4	5	1	5
White	4	5	2	5	1	1	2	3	5	6	1	3	1	0	3
Black	5	4	2	2	1	1	4	4	2	2	0	1	4	1	2
Females	2	1	2	3	1	2	1	1	0	0	1	1	1	0	0
White	0	0	0	2	0	1	0	0	0	0	1	0	0	0	0
Black	2	1	2	1	1	1	1	1	0	0	0	1	1	0	0
<b>Hispanic</b>	1	1	3	4	2	1	2	1	1	1	1	1	2	0	1
Males	1	1	2	4	1	0	2	0	0	1	1	1	2	0	0
Females	0	0	1	0	1	1	0	1	1	0	0	0	0	0	1

**Notes:**

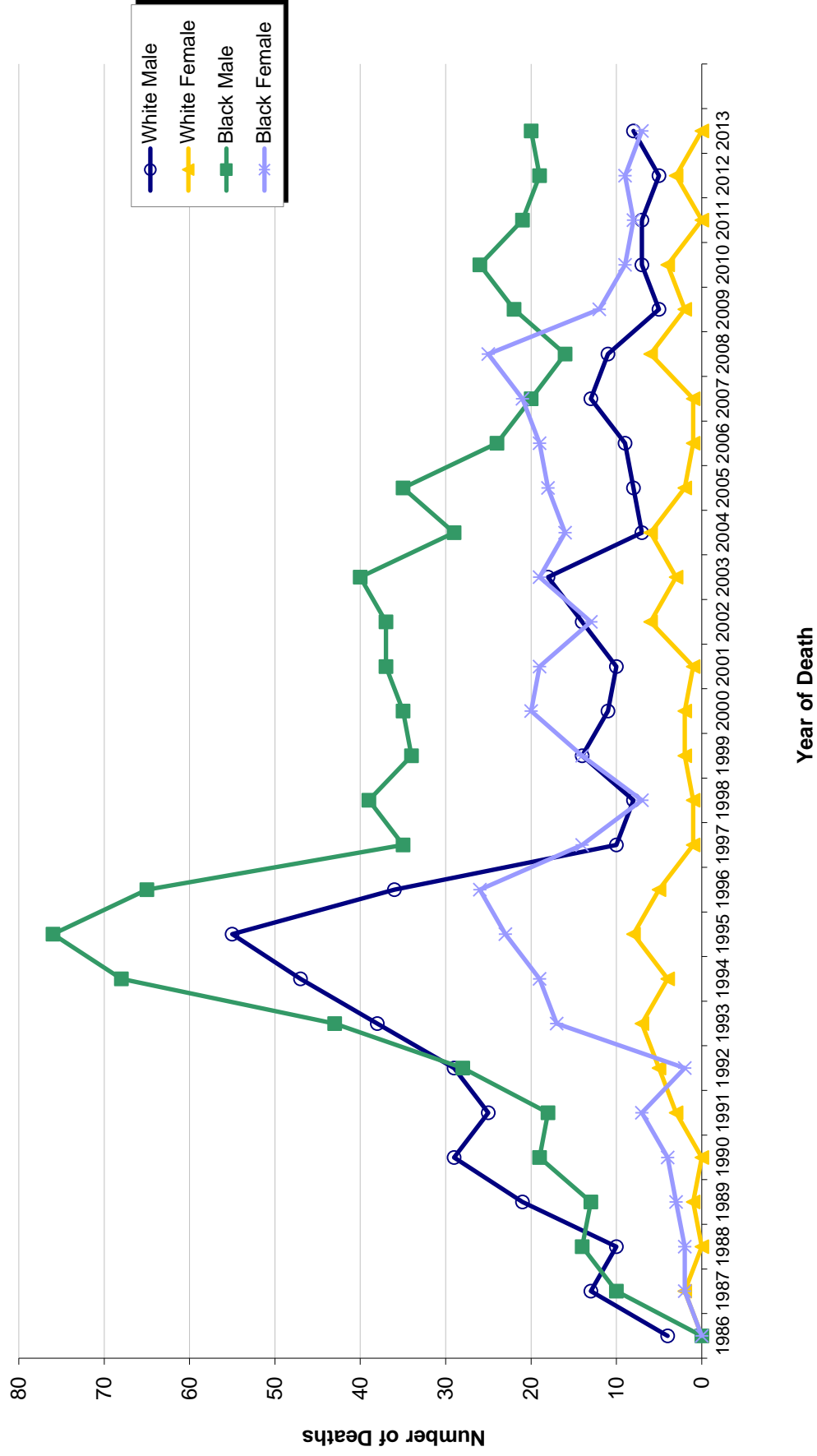
1. See Table F-12 for ICD-9 and ICD-10 Codes.
2. People of Hispanic origin may be of any race. See Hispanic Origin in the Technical Notes.

AIDS

**Sources:**

Delaware Health Statistics Center  
National Center for Health Statistics

**Figure F-3**  
**Number of HIV Deaths by Race and Sex**  
**Delaware, 1986-2013**



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, 2013

Area/ Method of Disposition	Race							
	All Races		White		Black		Other	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
<b>Delaware</b>	7967	100.0	6498	100.0	1295	100.0	174	100.0
Burial	3946	49.5	3047	46.9	824	63.6	75	43.1
Cremation	3601	45.2	3071	47.3	441	34.1	89	51.1
Donation	73	0.9	72	1.1	0	0.0	1	0.6
Entombment	181	2.3	174	2.7	6	0.5	1	0.6
Removal from State	136	1.7	109	1.7	21	1.6	6	3.4
Unknown	30	0.4	25	0.4	3	0.2	2	1.1
<b>Kent</b>	1422	100.0	1128	100.0	250	100.0	44	100.0
Burial	755	53.1	567	50.3	167	66.8	21	47.7
Cremation	624	43.9	524	46.5	79	31.6	21	47.7
Donation	6	0.4	5	0.4	0	0.0	1	2.3
Entombment	13	0.9	12	1.1	1	0.4	0	0.0
Removal from State	20	1.4	17	1.5	2	0.8	1	2.3
Unknown	4	0.3	3	0.3	1	0.4	0	0.0
<b>New Castle</b>	4338	100.0	3392	100.0	847	100.0	99	100.0
Burial	2188	50.4	1631	48.1	514	60.7	43	43.4
Cremation	1876	43.2	1514	44.6	311	36.7	51	51.5
Donation	38	0.9	38	1.1	0	0.0	0	0.0
Entombment	153	3.5	147	4.3	5	0.6	1	1.0
Removal from State	72	1.7	52	1.5	16	1.9	4	4.0
Unknown	11	0.3	10	0.3	1	0.1	0	0.0
Wilmington	651	100.0	273	100.0	364	100.0	14	100.0
Burial	344	52.8	123	45.1	214	58.8	7	50.0
Cremation	266	40.9	120	44.0	141	38.7	5	35.7
Donation	3	0.5	3	1.1	0	0.0	0	0.0
Entombment	26	4.0	23	8.4	3	0.8	0	0.0
Removal from State	11	1.7	4	1.5	5	1.4	2	14.3
Unknown	1	0.2	0	0.0	1	0.3	0	0.0
Balance of NC County	3687	100.0	3119	100.0	483	100.0	85	100.0
Burial	1844	50.0	1508	48.3	300	62.1	36	42.4
Cremation	1610	43.7	1394	44.7	170	35.2	46	54.1
Donation	35	0.9	35	1.1	0	0.0	0	0.0
Entombment	127	3.4	124	4.0	2	0.4	1	1.2
Removal from State	61	1.7	48	1.5	11	2.3	2	2.4
Unknown	10	0.3	10	0.3	0	0.0	0	0.0
<b>Sussex</b>	2207	100.0	1978	100.0	198	100.0	31	100.0
Burial	1003	45.4	849	42.9	143	72.2	11	35.5
Cremation	1101	49.9	1033	52.2	51	25.8	17	54.8
Donation	29	1.3	29	1.5	0	0.0	0	0.0
Entombment	15	0.7	15	0.8	0	0.0	0	0.0
Removal from State	44	2.0	40	2.0	3	1.5	1	3.2
Unknown	15	0.7	12	0.6	1	0.5	2	6.5

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, 1993-2013

Year	Race and Sex								
	All Races			White			Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
2013	78.9	76.2	81.5	79.3	76.7	81.8	76.8	73.5	79.7
2012	79.5	77.0	81.8	79.7	77.3	81.9	77.8	74.3	81.1
2011	79.1	76.6	81.5	79.4	77.0	81.6	77.3	73.7	80.6
2010	79.1	76.4	81.7	79.4	76.9	81.7	76.7	72.5	80.7
2009	78.9	76.3	81.4	79.6	77.1	82.1	76.0	72.7	79.0
2008	78.3	75.7	80.8	78.9	76.3	81.4	75.7	72.7	78.4
2007	78.8	76.0	81.5	79.2	76.5	81.9	76.2	72.9	79.3
2006	78.4	75.7	81.0	79.1	76.4	81.7	74.8	71.4	77.8
2005	77.7	75.0	80.2	78.4	75.7	81.0	74.1	71.3	76.6
2004	77.8	74.9	80.5	78.3	75.5	80.9	73.8	70.4	77.0
2003	76.9	74.5	80.0	78.1	75.3	80.7	72.6	69.2	75.8
2002	77.3	74.6	79.8	77.8	75.4	80.1	73.8	69.5	77.9
2001	76.3	73.9	78.7	77.1	74.6	79.5	72.1	69.5	74.4
2000	76.5	73.9	79.0	77.1	74.5	79.6	72.5	69.4	75.5
1999	76.8	73.9	79.6	77.6	74.7	80.3	72.6	68.8	76.2
1998	75.9	73.3	78.4	77.0	74.5	79.4	70.3	66.9	73.5
1997	75.8	73.3	78.2	76.7	74.2	79.1	71.0	68.3	73.5
1996	75.4	72.5	78.1	76.7	73.9	79.4	68.8	65.2	72.2
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

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, 2013

Age Group	Race and Sex								
	All Races			White			Black		
	Both Sexes	Male	Female	Both Sexes	Male	Female	Both Sexes	Male	Female
0-5	78.9	76.2	81.5	79.3	76.7	81.8	76.8	73.5	79.7
5-10	74.5	71.8	77.0	74.6	72.0	77.2	72.7	69.7	75.4
10-15	69.5	66.9	72.0	69.7	67.0	72.2	67.8	64.8	70.4
15-20	64.6	61.9	67.1	64.7	62.1	67.3	62.8	59.9	65.4
20-25	59.7	57.1	62.2	59.8	57.2	62.4	58.1	55.3	60.4
25-30	55.0	52.5	57.3	55.1	52.5	57.6	53.4	50.7	55.6
30-35	50.3	47.8	52.6	50.4	47.9	52.8	48.8	46.2	50.8
35-40	45.6	43.3	47.8	45.8	43.3	48.1	44.0	41.6	46.0
40-45	41.0	38.6	43.1	41.1	38.8	43.4	39.4	37.0	41.4
45-50	36.3	34.1	38.4	36.5	34.2	38.7	34.8	32.5	36.7
50-55	31.9	29.8	33.9	32.1	29.9	34.2	30.4	28.2	32.2
55-60	27.8	25.7	29.6	27.9	25.9	29.8	26.5	24.2	28.3
60-65	23.9	22.0	25.5	24.0	22.1	25.7	22.8	20.8	24.3
65-70	20.2	18.5	21.6	20.2	18.6	21.7	19.5	17.6	20.8
70-75	16.6	15.1	17.8	16.6	15.1	17.9	16.3	14.5	17.6
75-80	13.4	12.0	14.6	13.4	12.0	14.5	13.6	11.6	14.9
80-85	10.5	9.3	11.4	10.4	9.2	11.3	11.4	9.7	12.4
85+	8.2	7.1	8.8	8.0	7.0	8.6	9.3	7.8	10.1

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, 1986-2013

Year	Area			
	Delaware	Kent	New Castle	Sussex
2013	0	0	0	0
2012	2	0	0	2
2011	1	0	0	1
2010	2	0	0	2
2009	4	1	3	0
2008	3	1	2	0
2007	1	0	1	0
2006	1	0	1	0
2005	3	0	3	0
2004	1	0	1	0
2003	2	0	2	0
2002	0	0	0	0
2001	2	0	1	1
2000	3	1	2	0
1999	1	0	1	0
1998	2	0	2	0
1997	1	0	1	0
1996	0	0	0	0
1995	0	0	0	0
1994	0	0	0	0
1993	0	0	0	0
1992	0	0	0	0
1991	1	0	0	1
1990	0	0	0	0
1989	2	0	1	1
1988	1	0	1	0

MATERNAL

**Note:**

Prior to 1999, maternal deaths included ICD-9 categories 630-676. For 1999 and later, maternal deaths include ICD-10 categories O00-O95, O98-O99, and A34.

**Source:**

Delaware Health Statistics Center

TABLE F-30  
 FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED CAUSES OF DEATH  
 DELAWARE AND COUNTIES, 2009-2013

LEADING CAUSES OF DEATH	AREA				RACE	
	DE	Kent	NCC	Sussex	White	Black
Malignant neoplasms	173.8	199.6	175.8	158.0	172.4	197.9
Diseases of the heart	162.7	207.1	156.0	153.6	160.1	185.6
Chronic lower respiratory diseases	41.0	50.6	40.5	37.3	43.0	33.3
Cerebrovascular diseases	36.9	39.0	42.6	27.3	34.7	48.9
Dementia	38.4	41.7	46.0	25.1	38.5	41.2
Accidents (unintentional injuries)	37.8	38.7	35.7	44.9	43.0	26.5
Diabetes mellitus	20.0	23.7	21.1	16.1	17.1	39.1
Alzheimer's disease	17.3	22.0	15.7	18.0	17.2	19.9
Nephritis, nephrotic syndrome, and nephrosis	14.6	14.5	15.8	12.7	12.8	25.7
Influenza and pneumonia	11.9	13.8	12.9	9.4	12.1	11.7
Septicemia	11.4	17.2	10.9	9.1	10.8	15.3
Intentional self-harm (suicide)	12.0	13.0	11.3	12.9	14.7	5.1
Other diseases of respiratory system	9.2	12.2	9.6	7.4	9.6	7.6
Chronic liver disease and cirrhosis	8.1	8.2	7.2	9.9	8.7	6.4
Certain conditions originating in the perinatal period	5.8	4.9	7.2	2.8	2.7	12.5
Assault (homicide)	6.1	3.8	7.9	3.0	3.2	15.2
Parkinson's disease	6.2	5.4	6.9	5.6	6.9	NA
Human immunodeficiency virus (HIV)	4.0	3.7	4.9	NA	1.2	15.9
Essential hypertension and hypertensive renal disease	5.0	8.1	4.6	4.2	4.6	7.4
Pneumonitis due to solids and liquids	4.3	3.6	4.6	4.2	4.3	4.2
Aortic aneurysm and dissection	3.1	4.3	3.1	2.4	3.0	3.8
Congenital malformations, deformations, and chromosomal abnormalities	2.9	2.8	2.9	3.4	3.3	2.1

AADR

**Notes:**

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

Source:

Delaware Health Statistics Center



TABLE F-31  
 FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH  
 DELAWARE AND COUNTIES, 1993-2013

Cause of Death/ Area	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	2009 -2013
<b>Diseases of the heart</b>																	
Delaware	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	162.7
Kent	317.0	313.5	312.7	308.3	304.4	296.9	291.0	279.6	275.3	267.2	262.7	251.6	233.7	233.7	223.9	211.3	207.1
New Castle	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	156.0
Sussex	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	153.6
<b>Malignant neoplasms</b>																	
Delaware	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	173.8
Kent	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	199.6
New Castle	238.2	235.2	230.5	223.4	219.9	212.7	206.7	203.2	203.3	195.2	192.8	192.8	187.1	184.2	184.4	181.1	175.8
Sussex	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	158.0
<b>Cerebrovascular diseases</b>																	
Delaware	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	36.9
Kent	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	39.0
New Castle	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	42.6
Sussex	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	27.3
<b>Chronic lower respiratory diseases</b>																	
Delaware	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	41.0
Kent	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	50.6
New Castle	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	40.5
Sussex	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	37.3
<b>Diabetes mellitus</b>																	
Delaware	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	20.0
Kent	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	23.7
New Castle	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	21.1
Sussex	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	16.1
<b>Influenza and pneumonia</b>																	
Delaware	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	11.9
Kent	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	13.8
New Castle	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	12.9
Sussex	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	9.4
<b>Alzheimer's disease</b>																	
Delaware	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	17.3
Kent	---	---	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	22.0
New Castle	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	15.7
Sussex	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	18.0
<b>Nephritis, nephrotic syndrome, and nephrosis</b>																	
Delaware	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	14.6
Kent	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	14.5
New Castle	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	15.8
Sussex	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	12.7
<b>Septicemia</b>																	
Delaware	11.8	12.8	13.5	14.2	14.6	15.1	14.4	15.2	15.6	16.0	16.0	15.9	15.1	14.3	13.4	13.1	12.6
Kent	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	17.2
New Castle	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	10.9
Sussex	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	9.1

TABLE F-31 (continued)

Cause of Death/ Area	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	2009 -2013
<b>Intentional self-harm (suicide)</b>																	
Delaware	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	12.0
Kent	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	13.0
New Castle	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	11.3
Sussex	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	12.9
<b>Chronic liver disease and cirrhosis</b>																	
Delaware	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	8.1
Kent	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	8.2
New Castle	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	7.2
Sussex	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	9.9
<b>Assault (homicide)</b>																	
Delaware	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	6.1
Kent	4.1	3.4	---	---	---	---	---	---	---	3.0	3.6	4.4	4.0	4.1	3.9	3.9	3.8
New Castle	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	7.9
Sussex	5.6	5.0	4.6	2.8	---	---	---	---	3.6	3.3	2.9	3.2	3.6	3.5	3.7	3.6	3.0
<b>Certain conditions originating in the perinatal period</b>																	
Delaware	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	5.8
Kent	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	4.9
New Castle	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	7.4
Sussex	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	2.8
<b>Congenital malformations</b>																	
Delaware	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	2.9
Kent	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	2.8
New Castle	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	2.9
Sussex	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	3.4
<b>Human immunodeficiency virus (HIV)</b>																	
Delaware	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	4.0
Kent	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	3.7
New Castle	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	4.9
Sussex	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	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	37.8
Kent	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	38.7
New Castle	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	35.7
Sussex	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	44.9
<b>Essential hypertension and hypertensive renal disease</b>																	
Delaware	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	5.0
Kent	5.7	5.2	4.9	4.5	5.5	6.3	7.1	8.9	9.1	7.8	7.8	7.3	7.6	7.4	7.3	7.7	8.1
New Castle	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	4.6
Sussex	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	4.2
<b>Aortic aneurysm and dissection</b>																	
Delaware	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	3.1
Kent	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	4.3
New Castle	6.2	6.0	5.9	5.8	6.2	5.9	6.3	5.8	5.4	6.3	3.8	3.2	3.2	3.2	3.3	3.5	3.1
Sussex	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	2.4

TABLE F-31 (continued)

Cause of Death/ Area	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	2009 -2013
<b>Pneumonitis due to solids and liquids</b>																	
Delaware	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	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	3.6
New Castle	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	4.6
Sussex	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	4.2
<b>Other diseases of respiratory system</b>																	
Delaware	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	9.2
Kent	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	12.2
New Castle	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	9.6
Sussex	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	7.4
<b>Parkinson's disease</b>																	
Delaware	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	6.2
Kent	---	---	---	---	4.3	4.6	4.7	4.1	4.7	4.6	4.4	4.4	5.5	5.1	5.2	5.3	5.4
New Castle	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	6.9
Sussex	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	5.6
<b>Dementia</b>																	
Delaware	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	38.4
Kent	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	41.7
New Castle	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	46.0
Sussex	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	25.1

AADR\_TRENDS2

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

**Source:**  
 Delaware Health Statistics Center

TABLE F-32  
 FIVE-YEAR AGE-ADJUSTED MORTALITY RATES FOR SELECTED LEADING CAUSES OF DEATH BY RACE AND SEX  
 DELAWARE, 1993-2013

Cause of Death/ Race-Sex	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	2009 -2013
<b>Diseases of the heart</b>																	
White	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	160.1
Male	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	203.3
Female	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	125.2
Black	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	185.6
Male	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	225.7
Female	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	154.2
<b>Malignant neoplasms</b>																	
White	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	172.4
Male	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	204.7
Female	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	149.3
Black	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	197.9
Male	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	246.0
Female	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	166.9
<b>Cerebrovascular diseases</b>																	
White	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	34.7
Male	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	35.2
Female	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	34.1
Black	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	48.9
Male	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	55.6
Female	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	44.0
<b>Chronic lower respiratory diseases</b>																	
White	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	43.0
Male	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	42.6
Female	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	43.6
Black	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	33.3
Male	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	42.5
Female	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	27.6
<b>Diabetes mellitus</b>																	
White	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	17.1
Male	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	21.3
Female	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	13.4
Black	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	39.1
Male	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	43.4
Female	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	36.3
<b>Influenza and pneumonia</b>																	
White	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	12.1
Male	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	14.7
Female	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	10.4
Black	38.2	40.4	37.8	35.0	31.7	30.1	25.5	23.1	20.1	20.3	18.2	17.4	15.6	15.2	12.6	12.0	12.2
Male	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	13.9
Female	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	10.1

TABLE F-32 (continued)

Cause of Death/ Race-Sex	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	2009 -2013
<b>Alzheimer's disease</b>																	
White	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	17.2
Male	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	14.3
Female	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	18.9
Black	---	---	5.8	8.2	8.8	9.8	12.7	14.1	14.4	14.5	15.7	14.5	16.6	17.2	18.7	19.9	
Male	---	---	---	---	---	---	---	14.2	14.2	---	13.4	12.7	12.3	13.6	13.7	13.4	15.2
Female	---	---	---	8.2	8.3	8.8	12.1	13.7	15.6	15.5	16.4	14.9	15.8	17.7	18.7	6.1	6.3
<b>Nephritis, nephrotic syndrome, and nephrosis</b>																	
White	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	12.8
Male	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	15.0
Female	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	11.3
Black	27.4	24.9	24.7	28.1	28.4	31.1	31.8	30.6	28.1	27.2	27.4	28.5	31.1	32.2	32.8	31.8	30.2
Male	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	30.2
Female	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	16.4
<b>Septicemia</b>																	
White	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	10.8
Male	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	12.0
Female	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	10.0
Black	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	15.3
Male	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	14.8
Female	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	13.2
<b>Intentional self-harm (suicide)</b>																	
White	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	14.7
Male	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	23.4
Female	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	6.5
Black	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	5.1
Male	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	9.5
Female	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Chronic liver disease and cirrhosis</b>																	
White	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	8.7
Male	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	12.8
Female	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	6.4
Black	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	6.4
Male	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	10.0
Female	---	---	7.1	---	6.4	---	5.8	---	---	---	---	---	---	---	---	---	---
<b>Assault (homicide)</b>																	
White	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	3.2
Male	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	4.4
Female	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	2.0
Black	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	15.2
Male	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	28.0
Female	5.8	6.5	5.4	5.7	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE F-32 (continued)

Cause of Death/ Race-Sex	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	2009 -2013
<b>Certain conditions originating in the perinatal period</b>																	
White	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	2.7
Male	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	3.3
Female	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	2.1
Black	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	12.5
Male	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	14.6
Female	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	10.4
<b>Congenital malformations</b>																	
White	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	3.3
Male	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	3.0
Female	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	3.6
Black	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	2.1
Male	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	3.0
Female	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	3.6
<b>Human immunodeficiency virus (HIV)</b>																	
White	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	1.2
Male	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	1.8
Female	1.7	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Black	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	15.9
Male	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	24.8
Female	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	14.0
<b>Accidents (unintentional injuries)</b>																	
White	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	43.0
Male	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	57.3
Female	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	29.9
Black	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	26.5
Male	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	39.2
Female	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	19.8
<b>Essential hypertension and hypertensive renal disease</b>																	
White	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	4.6
Male	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	4.2
Female	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	4.7
Black	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	7.4
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	8.0
Female	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	3.8
<b>Aortic aneurysm and dissection</b>																	
White	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	3.0
Male	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	3.8
Female	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	2.4
Black	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	3.8
Male	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Female	---	---	---	---	---	---	---	7.0	6.6	---	---	---	---	---	---	---	---

TABLE F-32 (continued)

Cause of Death/ Race-Sex	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	2009 -2013
<b>Pneumonitis due to solids and liquids</b>																	
White	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	4.3
Male	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	6.5
Female	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	2.9
Black	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	4.2
Male	---	---	---	15.4	19.8	17.9	19.9	18.5	18.0	15.2	12.9	---	---	9.1	---	---	7.9
Female	---	---	---	---	---	---	6.8	---	6.7	---	---	---	---	---	---	---	---
<b>Other diseases of respiratory system</b>																	
White	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	9.6
Male	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	10.2	9.9	11.4
Female	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	7.1
Black	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	7.6
Male	---	---	---	---	---	---	---	9.1	10.5	9.6	9.7	11.4	12.7	13.7	14.6	13.1	12.3
Female	---	---	---	7.9	8.2	7.7	6.5	6.4	---	5.5	5.9	8.0	8.3	8.2	8.0	7.1	5.4
<b>Parkinson's disease</b>																	
White	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	6.9
Male	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	9.1
Female	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	5.4
Black	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Male	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Female	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
<b>Dementia</b>																	
White	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	38.5
Male	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	33.8
Female	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	40.7
Black	---	---	---	6.0	5.8	8.7	10.4	15.4	16.3	23.1	30.1	34.3	37.1	40.4	41.8	41.9	41.2
Male	---	---	---	---	---	19.0	18.2	22.5	22.3	29.6	29.2	35.4	40.8	42.3	42.2	41.1	42.0
Female	---	---	---	---	---	---	---	12.5	13.5	20.1	30.2	33.8	34.9	39.1	42.3	41.8	40.0

AADE\_TRND(S)

**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

The background of the page is white with a pattern of diagonal gray lines. The lines are parallel and spaced evenly, running from the top-left towards the bottom-right. The text 'Technical Notes' is centered in the middle of the page, overlaid on these lines.

# Technical Notes



**Intentionally left blank**

## 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.

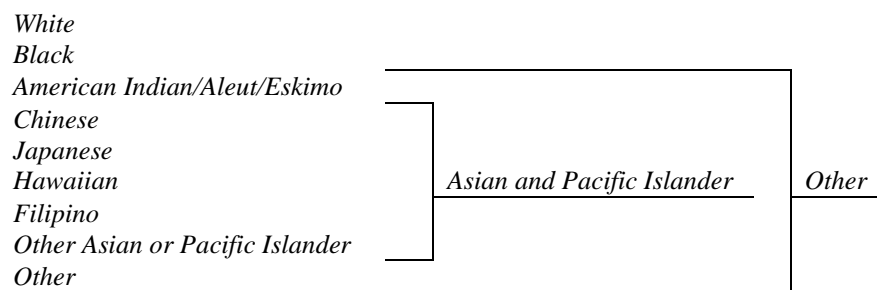
The second method is a more sophisticated technique that statistically "adjusts" for demographic differences between populations and allows direct comparisons between overall population rates. The major

<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

**Back of Appendices Title Page  
(Insert Blank Sheet Here)**

## **APPENDIX A**

### **RANDOM VARIATION**

In this report, the number of vital events represent complete counts for the U.S., Delaware, and county populations. Therefore, they are not subject to sampling error, although they are subject to certain errors in the registration process such as age misreporting. However, the number of events and the corresponding rates are subject to random variation. That is, the rates that actually occurred may be considered as one of a large number of possible outcomes that could have arisen under the same circumstances (National Office of Vital Statistics, 1961). As a result, rates in a given population may tend to fluctuate from year to year even when the health of the population is unchanged. Random variation in rates based on a relatively small number of events, tends to be larger than for rates based upon events that occur more frequently. Delaware rates for some events (e.g., infant deaths) are particularly subject to such variations due to the small number of events that occur by definition in a relatively small population. Therefore, caution should be exercised when drawing conclusions about rates based on small numbers.

The issue of random variation was handled in two ways in this report. First, multi-year average rates were reported instead of annual rates. This tended to reduce the effects of random variation since the number of events in a five-year period was much larger. Second, tests of statistical significance were used to make comparisons between rates when appropriate. These statistical tests were used to determine the chance that the observed differences would occur in populations with equal rates by random variation alone. The methods used to calculate infant mortality rates are described in Appendix B.

## APPENDIX B

### METHODS FOR CALCULATION AND STATISTICAL ANALYSIS OF FIVE-YEAR AVERAGE INFANT MORTALITY RATES

Due to the small number of infant deaths in Delaware, slight year-to-year changes in the number of deaths can lead to substantial fluctuations in annual rates. In many cases, this problem makes interpretation of annual rates extremely difficult, if not impossible. Since there is far less random fluctuation in five-year average (FYA) rates, they are much better for assessing the health status of infants in Delaware.<sup>2</sup> When rolling FYA rates (e.g., rates for 1980-1984, 1981-1985, and 1982-1986) are used, the patterns of changes in infant mortality over a number of years can be determined.

A description of the methods used to calculate the running FYA rates and the statistical methodology used to compare infant mortality rates are described below.

**FIVE-YEAR AVERAGE INFANT MORTALITY RATES:** Running FYA infant, neonatal, and postneonatal mortality rates (see Definitions) were calculated by race for the U.S., Delaware, and Delaware's three counties. The rates (i.e., infant, neonatal, or postneonatal) were computed by dividing the total number of deaths over each five-year period by the total number of live births over the same five-year period and multiplying the result by 1,000.

#### STATISTICAL TESTS:

Confidence intervals for rates based on fewer than 100 deaths:

$$LCL = R_1 * L(.95, D_{adj})$$

$$UCL = R_1 * U(.95, D_{adj})$$

$$\text{where } D_{adj} = \frac{D * B}{D + B}$$

*L and U are upper and lower confidence factors based on a gamma distribution with parameter  $D_{adj}$ .*

<sup>2</sup>See Appendix A for a description of random variation and rationale for use of five-year average rates.

Confidence intervals for rates based 100 or more deaths:

$$R_1 \pm 1.96 * SE$$

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

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

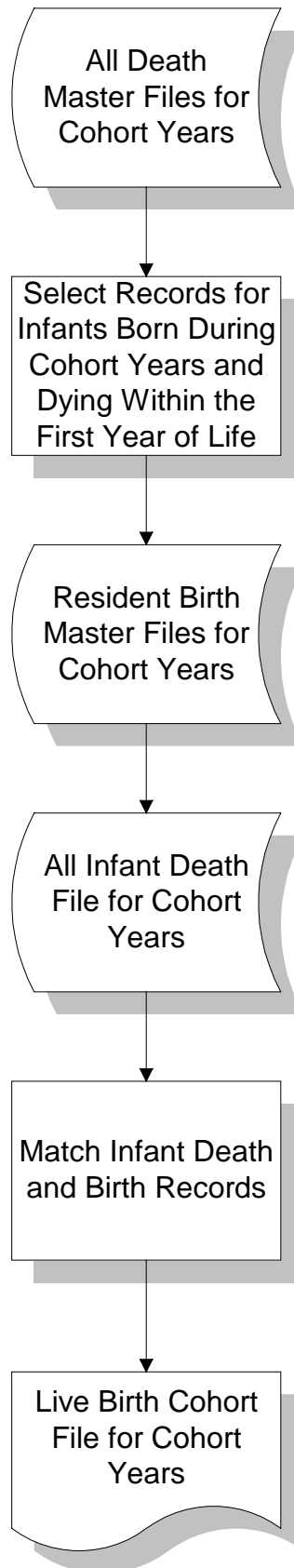
*Comparison of two infant mortality rates* - When the number of events for one or both of the rates was less than 100, comparisons between rates were based on the confidence intervals for each. If they overlapped, the difference was not significant. When the number of events for both rates was 100 or more, the following z-test was used to define a significant test statistic:

$$z = \frac{R_1 - R_2}{\sqrt{R_1^2 \left(\frac{RSE(R_1)}{100}\right)^2 + R_2^2 \left(\frac{RSE(R_2)}{100}\right)^2}}$$

If  $|z| \geq 1.96$  then the difference between the rates was statistically significant at the 0.05-level.

## APPENDIX C

### CREATION OF A LIVE BIRTH COHORT FILE



## APPENDIX D

### COMPARABLE CATEGORY CODES FOR SELECTED CAUSES OF INFANT DEATH

Cause of death	Category codes according to	
	ICD-10 <sup>1</sup>	ICD-9 <sup>2</sup>
Diarrhea and gastroenteritis of infectious origin	A09	009
Tuberculosis	A16–A19	010-018
Tetanus	A33,A35	037,771.3
Diphtheria	A36	032
Whooping cough	A37	033
Meningococcal infection	A39	036
Septicemia	A40-A41	038
Congenital syphilis	A50	090
Gonococcal infection	A54	098
Acute poliomyelitis	A80	045
Varicella (chickenpox)	B01	052
Measles	B05	055
Human immunodeficiency virus (HIV)	B20-B24	042-044
Mumps	B26	072
Candidiasis	B37	112
Malaria	B50–B54	084
Pneumocystosis	B59	136.3
Malignant Neoplasms	C00-C97	140-208
In situ, benign, and neoplasms of uncertain or unk behavior	D00-D48	210-239
Diseases of blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89	135,279-289
Short stature, not elsewhere classified	E34.3	259.4
Nutritional deficiencies	E40-E64	260-269
Cystic fibrosis	E84	277.0
Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87	276
Meningitis	G00,G03	320-322
Infantile spinal muscular atrophy, type I	G12.0	335.0
Infantile cerebral palsy	G80	343
Anoxic brain damage, not elsewhere classified	G93.1	348.1
Diseases of the ear and mastoid process	H60-H93	380-389
Diseases of the circulatory system	I00-I99	390-434,436-459
Acute upper respiratory infections	J00-J06	034.0,460-465
Influenza and pneumonia	J10-J18	480-487
Acute bronchitis and bronchiolitis	J20-J21	466
Bronchitis, chronic and unspecified	J40-J42	490-491
Asthma	J45-J46	493
Pneumonitis due to solids and liquids	J69	507
Gastritis, duodenitis, and noninfective enteritis and colitis	K29,K50-K55	535,555-558
Hernia of abdominal cavity and intestinal obstruction without hernia	K40-K46,K56	550-553,560
Renal failure and other disorders of kidney	N17-N19,N25,N27	584-589
Newborn affected by maternal hypertensive disorders	P00.0	760.0
Newborn affected by other maternal conditions which may be unrelated to present pregnancy	P00.1-P00.9	760.1-760.6,760.8-760.9
Newborn affected by maternal complications of pregnancy	P01	761
Newborn affected by complications of placenta, cord, and membranes	P02	762



## APPENDIX D (cont.)

### COMPARABLE CATEGORY CODES FOR SELECTED CAUSES OF INFANT DEATH

Cause of death	Category codes according to	
	ICD-10 <sup>1</sup>	ICD-9 <sup>2</sup>
Newborn affected by other complications of labor and delivery	P03	763.0-763.4,763.6-763.9
Newborn affected by noxious influences transmitted via placenta or breast milk	P04	760.7,763.5
Slow fetal growth and fetal malnutrition	P05	764
Disorders related to short gestation and low birth weight, not elsewhere classified	P07	765
Disorders related to long gestation and high birth weight	P08	766
Birth trauma	P10-P15	767
Intrauterine hypoxia and birth asphyxia	P20-P21	768
Respiratory distress of newborn	P22	769
Congenital pneumonia	P23	770.0
Neonatal aspiration syndrome	P24	770.1
Interstitial emphysema and related conditions originating in the perinatal period	P25	770.2
Pulmonary hemorrhage originating in the perinatal period	P26	770.3
Chronic respiratory disease originating in the perinatal period	P27	770.7
Atelectasis	P280.-P28.1	770.4-770.5
Bacterial sepsis of newborn	P36	771.8
Omphalitis of newborn with or without mild hemorrhage	P38	771.4
Neonatal hemorrhage	P50-P52,P54	772
Hemorrhagic disease of newborn	P53	776.0
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice	P55-P59	773-774
Hematological disorders	P60-P61	776.1-776.9
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2	775.0-775.1
Necrotizing enterocolitis of newborn	P77	777.5
Hydrops fetalis not due to hemolytic disease	P83.2	778.0
Congenital malformations, deformations, and chromosomal abnormalities	Q00-Q99	740-759
Sudden infant death syndrome	R95	798.0
Accidents	V01-X59	800-869,880-929
Homicide	X85-Y09	960-968
Complications of medical and surgical care	Y40-Y84,Y88	E870-E879,E930-E949

1. International Classification of Diseases, Tenth Revision.

2. International Classification of Diseases, Ninth Revision.

## APPENDIX E

### COMPARABLE CATEGORY CODES FOR SELECTED CAUSES OF DEATH

Cause of death	Category codes according to	
	ICD-10 <sup>1</sup>	ICD-9 <sup>2</sup>
Salmonella infections	A01-A02	002-003
Shigellosis and amebiasis	A03,A06	004,006
Tuberculosis	A16–A19	010-018
Whooping cough	A37	033
Scarlet fever and erysipelas	A38,A46	034.1-035
Meningococcal infection	A39	036
Septicemia	A40-A41	038
Syphilis	A50–A53	090-097
Acute poliomyelitis	A80	045
Arthropod-borne viral encephalitis	A83-A84,A85.2	062-064
Measles	B05	055
Viral hepatitis	B15–B19	070
Human immunodeficiency virus (HIV)	B20-B24	042-044
Malaria	B50–B54	084
Malignant Neoplasms	C00-C97	140-208
In situ, benign, and neoplasms of uncertain or unk behavior	D00-D48	210-239
Anemias	D50-D64	280-285
Diabetes mellitus	E10-E14	250
Nutritional deficiencies	E40-E64	260-269
Meningitis	G00,G03	320-322
Parkinson's disease	G20-G21	332
Alzheimer's Disease	G30	331.0
Diseases of the Heart	I00-I09, I11, I13, I20-I51	390-398, 402, 404, 410-429
Essential (primary) hypertension and hypertensive renal disease	I10, I12	401, 403
Cerebrovascular Diseases	I60-I69	430-434, 436-438
Atherosclerosis	I70	440
Aortic aneurysm and dissection	I71	441
Influenza and pneumonia	J10-J18	480-487
Acute bronchitis and bronchiolitis	J20-J21	466
Chronic Lower Respiratory Diseases	J40-J47	490-494, 496
Pneumoconioses and chemical effects	J60-J66,J68	500-506
Pneumonitis due to solids and liquids	J69	507
Peptic ulcer	K25-K28	531-534
Disease of the appendix	K35-K38	540-543
Hernia	K40-K46	550-553
Chronic liver disease and cirrhosis	K70, K73-K74	571
Cholelithiasis and other disorders of gallbladder	K80-K82	574-575
Nephritis, nephrotic syndrome, and nephrosis	N00-N07, N17-N19, N25-N27	580-589
Infections of kidney	N10-N12,N13.6,N15.1	590
Hyperplasia of prostate	N40	600
Inflammatory disease of female pelvic organs	N70-N76	614-616
Pregnancy, childbirth and the puerperium	O00-O99	630-676
Certain conditions originating in the perinatal period	P00-P96	760-771.2, 771.4-779

## APPENDIX E (cont.)

### COMPARABLE CATEGORY CODES FOR SELECTED CAUSES OF DEATH

Cause of death	Category codes according to	
	ICD-10 <sup>1</sup>	ICD-9 <sup>2</sup>
Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99	740-759
Accidents (unintentional injuries)	V01-X59, Y85-Y86	E800-E869, E880-E929
Intentional self-harm (suicide)	*U03, X60-X84, Y87.0	E950-E959
Assault (Homicide)	*U01-*U02, X85-Y09, Y87.1	E960-E969
Legal intervention	Y35, Y89.0	E970-E978
Operations of war and their sequelae	Y36, Y89.1	E990-E999
Complications of medical and surgical care	Y40-Y84, Y88	E870-E879, E930-E949

1. International Classification of Diseases, Tenth Revision.

2. International Classification of Diseases, Ninth Revision.

# APPENDIX F

## STATE OF DELAWARE CERTIFICATE OF LIVE BIRTH

STATE OF DELAWARE  
DEPARTMENT OF HEALTH AND SOCIAL SERVICES  
CERTIFICATE OF LIVE BIRTH

(107)  
STATE FILE #

<b>CHILD</b>	1. CHILD'S NAME (First, Middle, Last, Suffix)		2. TIME OF BIRTH (24HR)	3. SEX	4. DATE OF BIRTH (Mo/Day/Yr)	
	5. FACILITY NAME (If not institution, give street and number)		6. CITY, TOWN, OR LOCATION OF BIRTH		7. COUNTY OF BIRTH	
<b>MOTHER</b>	8a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			8b. MOTHER'S DATE OF BIRTH (Mo/Day/Yr)		
	8c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)			8d. BIRTHPLACE (State, Territory, or Foreign Country)		
	9a. RESIDENCE OF MOTHER-STATE		9b. COUNTY	9c. CITY, TOWN, OR LOCATION		
	9d. STREET AND NUMBER		9e. APT. NO	9f. ZIP CODE	9g. INSIDE CITY LIMITS? <input type="checkbox"/> YES <input type="checkbox"/> NO	
<b>FATHER</b>	10a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		10b. DATE OF BIRTH (Mo/Day/Yr)	10c. BIRTHPLACE (State, Territory, or Foreign Country)		
	11. CERTIFIER'S NAME TITLE: <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> HOSPITAL ADMIN. <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (SPECIFY) _____			12. DATE CERTIFIED MM / DD / YYYY	13. DATE FILED BY REGISTRAR MM / DD / YYYY	
<b>INFORMATION FOR ADMINISTRATIVE USE</b>						
<b>MOTHER</b>	14. MOTHER'S MAILING ADDRESS: <input type="checkbox"/> Same as residence, or		STATE	CITY, TOWN, OR LOCATION		
	STREET & NUMBER:		APARTMENT NO.	ZIP CODE:		
	15. MOTHER MARRIED? (At birth, conception, or any time between) <input type="checkbox"/> Yes <input type="checkbox"/> No		16. SOCIAL SECURITY NUMBER REQUESTED FOR CHILD? <input type="checkbox"/> Yes <input type="checkbox"/> No	17. FACILITY ID (NPI)		
	IF NO, HAS PATERNITY ACKNOWLEDGMENT BEEN SIGNED IN THE HOSPITAL? <input type="checkbox"/> Yes <input type="checkbox"/> No		18. MOTHER'S SOCIAL SECURITY NUMBER:			
		19. FATHER'S SOCIAL SECURITY NUMBER:				
<b>INFORMATION FOR MEDICAL AND HEALTH PURPOSES ONLY</b>						
<b>MOTHER</b>	20. MOTHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery)		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)		22. MOTHER'S RACE (Check one or more races to indicate what the mother considers herself to be)	
	<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)		<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) _____		<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)		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)		25. FATHER'S RACE (Check one or more races to indicate what the father considers himself to be)	
	<input type="checkbox"/> 8 <sup>th</sup> grade or less <input type="checkbox"/> 9 <sup>th</sup> - 12 <sup>th</sup> grade, no diploma <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Some college credit but no degree <input type="checkbox"/> Associate degree (e.g., AA, AS) <input type="checkbox"/> Bachelor's degree (e.g., BA, AB, BS) <input type="checkbox"/> Master's degree (e.g., MA, MS, MEng, M.Ed., MSW, MBA) <input type="checkbox"/> Doctorate (e.g., Ph.D., EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD)		<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"/> 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>STATE OFFICE USE ONLY</b>	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, >= 12 hrs.) <input type="checkbox"/> Precipitous Labor (< 3 hrs.) <input type="checkbox"/> Prolonged Labor (>= 20 hrs.) <input type="checkbox"/> None of the Above		46. METHOD OF DELIVERY A. Was delivery with forceps attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No B. Was delivery with vacuum extraction attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No C. Fetal presentation at birth: <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other D. Final route and method of delivery (Check one) <input type="checkbox"/> Vaginal/Spontaneous <input type="checkbox"/> Vaginal/Forceps <input type="checkbox"/> Vaginal/Vacuum <input type="checkbox"/> Cesarean  If cesarean, was a trial of labor attempted? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	42. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply) <input type="checkbox"/> Gonorrhea <input type="checkbox"/> Syphilis <input type="checkbox"/> Chlamydia <input type="checkbox"/> Hepatitis B <input type="checkbox"/> Hepatitis C <input type="checkbox"/> None of the above			45. CHARACTERISTICS OF LABOR AND DELIVERY <input type="checkbox"/> Induction of labor <input type="checkbox"/> Augmentation of labor <input type="checkbox"/> Non-vertex presentation <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery <input type="checkbox"/> Antibiotics received by the mother during labor <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature >38° C (100.4° F) <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid <input type="checkbox"/> Fetal intolerance of labor such that one or more of the following actions was taken: in-utero resuscitative measures, further fetal assessment, or operative delivery  <input type="checkbox"/> Epidural or spinal anesthesia during labor <input type="checkbox"/> None of the above		47. MATERNAL MORBIDITY (Check all that apply) (Complications associated with labor and delivery) <input type="checkbox"/> Maternal transfusion <input type="checkbox"/> Third or fourth degree perineal laceration <input type="checkbox"/> Ruptured uterus <input type="checkbox"/> Unplanned hysterectomy <input type="checkbox"/> Admission to intensive care unit <input type="checkbox"/> Unplanned operating room procedure following delivery <input type="checkbox"/> None of the above	
	43. OBSTETRIC PROCEDURES (Check all that apply) <input type="checkbox"/> Cervical cerclage <input type="checkbox"/> Tocolysis  External cephalic version: <input type="checkbox"/> Successful <input type="checkbox"/> Failed <input type="checkbox"/> None of the above						
	<b>NEWBORN INFORMATION</b>						
48. NEWBORN MEDICAL RECORD NUMBER		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**

To Be Completed/ Verified By: FUNERAL DIRECTOR	1. DECEDENT'S LEGAL NAME (Include AKA's if any) (First, Middle, Last)				2. SEX	3. SOCIAL SECURITY NUMBER
	4a. AGE-Last Birthday (Years)	4b. UNDER 1 YEAR Months   Days	4c. UNDER 1 DAY Hours   Minutes	5. DATE OF BIRTH (Mo/Day/Yr)	6. BIRTHPLACE (City and State or Foreign Country)	
	7a. RESIDENCE-STATE		7b. COUNTY		7c. CITY OR TOWN	
	7d. STREET AND NUMBER			7e. APT. NO.	7f. ZIP CODE	7g. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No
	8. EVER IN US ARMED FORCES? <input type="checkbox"/> Yes <input type="checkbox"/> No	9. MARITAL STATUS AT TIME OF DEATH <input type="checkbox"/> Married <input type="checkbox"/> Widowed <input type="checkbox"/> Divorced <input type="checkbox"/> Never Married <input type="checkbox"/> Unknown		10. SURVIVING SPOUSE'S NAME (If wife, give name prior to first marriage)		
	11. FATHER'S NAME (First, Middle, Last)			12. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last)		
	13a. INFORMANT'S NAME		13b. RELATIONSHIP TO DECEDENT	13c. MAILING ADDRESS (Street and Number, City, State, Zip Code)		
	<b>14. PLACE OF DEATH (Check only one; see instructions)</b>					
	IF DEATH OCCURRED IN A HOSPITAL: <input type="checkbox"/> Inpatient <input type="checkbox"/> Emergency Room/Outpatient <input type="checkbox"/> Dead on Arrival			IF DEATH OCCURRED SOMEWHERE OTHER THAN A HOSPITAL: <input type="checkbox"/> Hospice facility <input type="checkbox"/> Nursing home/Long term care facility <input type="checkbox"/> Decedent's home <input type="checkbox"/> Other (Specify):		
	15. FACILITY NAME (If not institution, give street & number)			16. CITY OR TOWN, STATE, AND ZIP CODE		17. COUNTY OF DEATH
	18. METHOD OF DISPOSITION: <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Donation <input type="checkbox"/> Entombment <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify):		19. PLACE OF DISPOSITION (Name of cemetery, crematory, other place)			
	20. LOCATION-CITY, TOWN, AND STATE		21. NAME AND COMPLETE ADDRESS OF FUNERAL FACILITY			
	22. SIGNATURE OF FUNERAL SERVICE LICENSEE OR OTHER AGENT				23. LICENSE NUMBER (Of Licensee)	
	<b>ITEMS 24-28 MUST BE COMPLETED BY PERSON WHO PRONOUNCES OR CERTIFIES DEATH</b>			24. DATE PRONOUNCED DEAD (Mo/Day/Yr)		25. TIME PRONOUNCED DEAD
26. SIGNATURE OF PERSON PRONOUNCING DEATH (Only when applicable)			27. LICENSE NUMBER		28. DATE SIGNED (Mo/Day/Yr)	
29. ACTUAL OR PRESUMED DATE OF DEATH (Mo/Day/Yr) (Spell Month)		30. ACTUAL OR PRESUMED TIME OF DEATH		31. WAS MEDICAL EXAMINER CONTACTED?		
<b>CAUSE OF DEATH (See instructions and examples)</b>					Approximate interval: Onset to death	
32. <b>PART I.</b> Enter the <u>chain of events</u> --diseases, injuries, or complications--that directly caused the death. DO NOT enter terminal events such as cardiac arrest, respiratory arrest, or ventricular fibrillation without showing the etiology. DO NOT ABBREVIATE. Enter only one cause on a line. Add additional lines if necessary.						
IMMEDIATE CAUSE (Final disease or condition ----->)						
a. _____ Due to (or as a consequence of): _____						
Sequentially list conditions, if any, leading to the cause listed on line a. Enter the <b>UNDERLYING CAUSE</b>						
b. _____ Due to (or as a consequence of): _____						
c. _____ (disease or injury that initiated the events resulting in death) <b>LAST</b>						
d. _____ Due to (or as a consequence of): _____						
<b>PART II.</b> Enter other <u>significant conditions contributing to death</u> but not resulting in the underlying cause given in PART I				33. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		
				34. WERE AUTOPSY FINDINGS AVAILABLE TO COMPLETE THE CAUSE OF DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		

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	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) Maternal Conditions/Diseases (Specify) _____ Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____ Fetal Anomaly (Specify) _____ Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____ <input type="checkbox"/> Unknown			13b. OTHER SIGNIFICANT CAUSES OR CONDITIONS (SELECT OR SPECIFY ALL OTHER CONDITIONS CONTRIBUTING TO DEATH IN ITEM 13b) Maternal Conditions/Diseases (Specify) _____ Complications of Placenta, Cord, or Membranes <input type="checkbox"/> Rupture of membranes prior to onset of labor <input type="checkbox"/> Abruptio placenta <input type="checkbox"/> Placental insufficiency <input type="checkbox"/> Prolapsed cord <input type="checkbox"/> Chorioamnionitis <input type="checkbox"/> Other (Specify) _____ Other Obstetrical or Pregnancy Complications (Specify) _____ Fetal Anomaly (Specify) _____ Fetal Injury (Specify) _____ Fetal Infection (Specify) _____ Other Fetal Conditions/Disorders (Specify) _____ <input type="checkbox"/> Unknown		
	13c. WEIGHT OF FETUS (grams preferred, specify unit) <input type="checkbox"/> grams <input type="checkbox"/> lb/oz		13e. ESTIMATED TIME OF FETAL DEATH <input type="checkbox"/> Dead at time of first assessment, no labor ongoing <input type="checkbox"/> Dead at time of first assessment, labor ongoing <input type="checkbox"/> Died during labor, after first assessment <input type="checkbox"/> Unknown time of fetal death		13f. WAS AN AUTOPSY PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned	
13d. OBSTETRIC ESTIMATE OF GESTATION AT DELIVERY (completed weeks)		13g. WAS A HISTOLOGICAL PLACENTAL EXAMINATION PERFORMED? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Planned		13h. WERE AUTOPSY OR HISTOLOGICAL PLACENTAL EXAMINATION RESULTS USED IN DETERMINING THE CAUSE OF FETAL DEATH? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>DISPOSITION</b>	14. METHOD OF DISPOSITION: <input type="checkbox"/> Burial <input type="checkbox"/> Cremation <input type="checkbox"/> Hospital Disposition <input type="checkbox"/> Donation <input type="checkbox"/> Removal from State <input type="checkbox"/> Other (Specify) _____					
	15a. ATTENDANT'S NAME			15b. ATTENDANT'S NPI	15c. ATTENDANT'S TITLE <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> OTHER MIDWIFE <input type="checkbox"/> OTHER (Specify) _____	
<b>CERTIFIER AND REGISTRATION INFORMATION</b>	16a. I CERTIFY THAT THIS DELIVERY OCCURRED ON THE DATE SHOWN AND THAT THE FETUS WAS BORN DEAD					
	SIGNATURE ➤			16b. DATE SIGNED		
16c. MAILING ADDRESS						
MOTHER'S MEDICAL RECORD NO	17a. NAME OF CEMETARY OR CREMATORY			17b. LOCATION (CITY, TOWN, COUNTY) (STATE)		
	18a. DATE RECEIVED BY REGISTRAR	18b. REGISTRAR'S SIGNATURE ➤		19. FUNERAL DIRECTOR'S SIGNATURE		ADDRESS



# APPENDIX H (cont.)

## STATE OF DELAWARE CERTIFICATE OF FETAL DEATH

<b>MOTHER</b>	<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 _____ <input type="checkbox"/> No Prenatal Care</p> <p style="text-align: center;">M M / D D / Y Y Y Y</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%;">Average number of cigarettes or packs of cigarettes smoked per day</th> <th style="width: 20%;"># of cigarettes</th> <th style="width: 20%;"># of packs</th> </tr> </thead> <tbody> <tr> <td>Three Months Before Pregnancy</td> <td>_____</td> <td>OR _____</td> </tr> <tr> <td>First Three Months of Pregnancy</td> <td>_____</td> <td>OR _____</td> </tr> <tr> <td>Second Three Months of Pregnancy</td> <td>_____</td> <td>OR _____</td> </tr> <tr> <td>Third Trimester of Pregnancy</td> <td>_____</td> <td>OR _____</td> </tr> </tbody> </table>		Average number of cigarettes or packs of cigarettes smoked per day	# 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 _____
Average number of cigarettes or packs of cigarettes smoked per day	# 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</p> <p>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)				BIRTHPLACE (STATE OR FOREIGN COUNTRY)				
MOTHER	MAIDEN NAME	FIRST	MIDDLE	LAST	MOTHER	MAIDEN NAME	FIRST	MIDDLE	LAST
	BIRTHPLACE (STATE OR FOREIGN COUNTRY)				BIRTHPLACE (STATE OR FOREIGN COUNTRY)				
<p>I hereby certify that on the _____ day of _____, 19____, _____ M. _____ HOUR</p> <p>the aforementioned persons were by me united in marriage at _____ (CITY, TOWN, OR LOCATION)</p> <p>County of _____, in accordance with the Laws of the State of Delaware.</p> <p>Signature of Clergy or Other Official _____ TITLE _____</p> <p>RESIDENCE-STATE _____ COUNTY _____</p> <p>Witnesses (two are required.)</p> <p>1. NAME _____ RESIDENCE _____</p> <p>2. NAME _____ RESIDENCE _____</p> <p>3. NAME _____ RESIDENCE _____</p> <p>REGISTRAR'S SIGNATURE _____ DATE RECEIVED BY LOCAL REGISTRAR _____</p>									

VALID ONLY IN THE STATE OF DELAWARE

STATE FILE COPY

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

## 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)
<b>WIFE</b>	5a. WIFE'S NAME (First, Middle, Last)		
	6a. RESIDENCE - STREET OR NUMBER, CITY		5b. MAIDEN SURNAME
	6c. STATE                                      ZIP	7. BIRTHPLACE (State or Foreign Country)	8. DATE OF BIRTH (Month, Day, Year)
<b>MARRIAGE</b>	9a. PLACE OF THIS MARRIAGE - CITY, TOWN, OR LOCATION	9b. COUNTY	9c. STATE OR FOREIGN COUNTRY
	11. DATE COUPLE LAST REUNITED IN SAME HOUSEHOLD		10. DATE OF THIS MARRIAGE (Month, Day, Year)
	12. NUMBER OF CHILDREN UNDER 18 IN THIS HOUSEHOLD AS OF THE DATE OF FILING THIS PETITION Number _____ ( ) None		13. PETITIONER ( ) Husband ( ) Wife ( ) Both ( ) Other (Specify)
<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)		
<b>DECREE</b>	15. I CERTIFY THAT THE MARRIAGE OF THE NAMED PERSONS WAS DISSOLVED (Month, Day, Year)		16. TYPE OF DECREE - Divorce or Annulment (Specify)
	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 Number _____ <input type="checkbox"/> None	14b. Not Living Number _____ <input type="checkbox"/> None	14c. Spontaneous Number _____ <input type="checkbox"/> None	14d. Induced (Do not include this termination) Number _____ <input type="checkbox"/> None
15. TYPE OF TERMINATION PROCEDURE <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

**Intentionally left blank**

## REFERENCES

- Anderson RN and Rosenberg HM. Age Standardization of Death Rates: Implementation of the Year 2000 Standard. *National Vital Statistics Reports*. Vol. 47(3). Hyattsville, MD: National Center for Health Statistics, 1998.
- Anderson RN, Minino AM, Hoyert DL, Rosenberg HM. Comparability of Cause of Death Between ICD-9 and ICD-10: Preliminary estimates. *National Vital Statistics Reports*. Vol 49(2). Hyattsville, Maryland: National Center for Health Statistics. 2001.
- Callaghan WM, MacDorman MF, Rasmussen S, Cheng Q, Lackritz E. The Contribution of Preterm Birth to Infant Mortality Rates in the United States. *Pediatrics*. 2006; 118: 1566-1573.
- Hamilton BE, Martin JA, Ventura SJ. Births: Preliminary data for 2005. *National Vital Statistics Reports*. Vol 55. Hyattsville, MD: National Center for Health Statistics. Available from: <http://www.cdc.gov/nchs/products/pubs/pubd/hestats/prelimbirths05/prelimbirths05.htm>.
- International Classification of Diseases and Related Health Problems*. Tenth Revision, Volume 1. Geneva, World Health Organization, 1992.
- London Health Observatory. Calculating Life Expectancy and Infant Mortality Rates – Mapping Health Inequalities Across London – technical supplement. September, 2001. Available at [http://www.lho.org.uk/Health\\_Inequalities/Attachments/PDF\\_Files/tech\\_supp.pdf](http://www.lho.org.uk/Health_Inequalities/Attachments/PDF_Files/tech_supp.pdf).
- Munson ML, Sutton PD. Births, marriages, divorces, and deaths: Provisional data for 2005. *National Vital Statistics Reports*. Vol 54 (20). Hyattsville, MD: National Center for Health Statistics. 2006.
- National Center for Health Statistics. Instruction Manual, Part 11: Computer Edits for Mortality Data, Including Separate Section for Fetal Deaths, Effective 2005. National Center for Health Statistics, Hyattsville, MD. October 2004.
- National Center for Health Statistics. Instruction Manual, Part 12: Computer Edits for Natality Data, Effective 1993. National Center for Health Statistics, Hyattsville, MD. March 1995.
- National Office of Vital Statistics, C.L. Chiang. Standard Error of the Age-Adjusted Death Rate. *Vital Statistics-Special Reports*. Vol. 47, No. 9. Public Health Service. Washington, D.C., Aug. 1961.
- Ventura, SJ, Taffel, S, and Mosher, WD Estimates of Pregnancies and Pregnancy Rates for the United States, 1976-1981. *Public Health Reports*. 100(1): 31-34, 1985.