

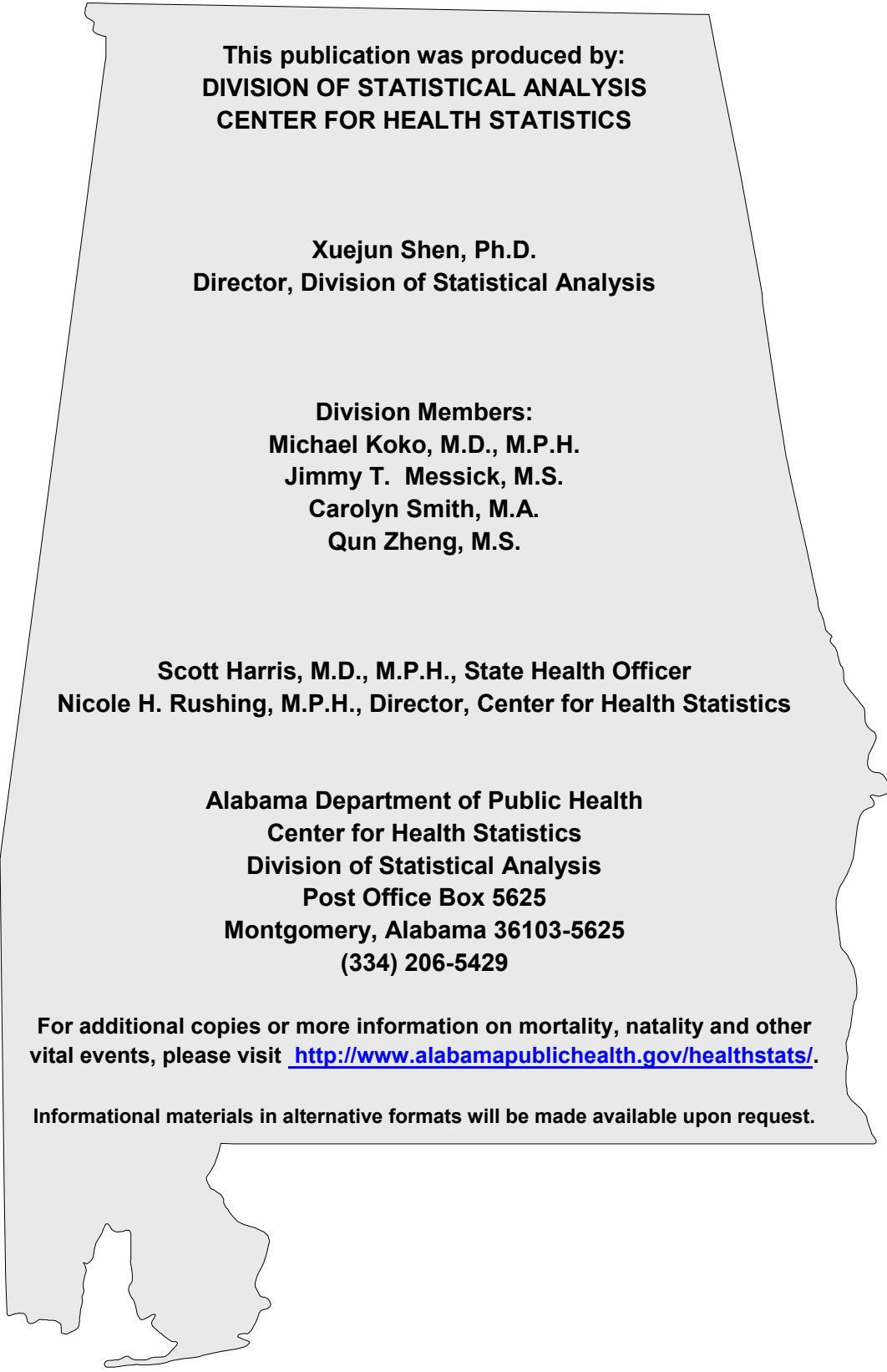
ALABAMA VITAL STATISTICS

2018



ALABAMA
CENTER FOR
HEALTH STATISTICS





**This publication was produced by:
DIVISION OF STATISTICAL ANALYSIS
CENTER FOR HEALTH STATISTICS**

**Xuejun Shen, Ph.D.
Director, Division of Statistical Analysis**

**Division Members:
Michael Koko, M.D., M.P.H.
Jimmy T. Messick, M.S.
Carolyn Smith, M.A.
Qun Zheng, M.S.**

**Scott Harris, M.D., M.P.H., State Health Officer
Nicole H. Rushing, M.P.H., Director, Center for Health Statistics**

**Alabama Department of Public Health
Center for Health Statistics
Division of Statistical Analysis
Post Office Box 5625
Montgomery, Alabama 36103-5625
(334) 206-5429**

For additional copies or more information on mortality, natality and other vital events, please visit <http://www.alabamapublichealth.gov/healthstats/>.

Informational materials in alternative formats will be made available upon request.

TABLE OF CONTENTS

Page

INTRODUCTION..... 1

VITAL STATISTICS HIGHLIGHTS 2

FIGURES

Figure 1 Live Birth Rates, Alabama and United States, 1970-2018 6

Figure 2 Live Birth Rates by Race of Mother, Alabama, 1970-2018..... 6

Figure 3 Live Birth Rates by County of Residence, Alabama, 2018 8

Figure 4 Percent of Births to Unmarried Women by Race of Mother,
Alabama, 2000-2018..... 13

Figure 5 Percent of Births to Teenage Mothers,
Alabama and United States, 1970-2018..... 25

Figure 6 Percent of Births to Teenager Mothers by Race of Mother,
Alabama, 2000-2018..... 25

Figure 7 Birth Rates to Teenage Mothers by County of Residence,
Alabama, 2018..... 28

Figure 8 Death Rates, Alabama and United States, 1970-2018..... 43

Figure 9 Death Rates by Race, Alabama, 1970-2018..... 43

Figure 10 Death Rates by County of Residence, Alabama, 2018..... 45

Figure 11 Infant Mortality Rates, Alabama and United States, 1970-2018..... 80

Figure 12 Neonatal and Postneonatal Mortality Rates, Alabama, 1970-2018..... 80

Figure 13 Marriage and Divorce Rates, Alabama and United States, 2000-2018..... 88

BIRTHS

General Data

Table 1 Resident Births and Birth Rates by Race,
Alabama and United States, 1970-2018..... 5

Table 2 Resident Births and Birth Rates by County of Residence
and Race of Mother, Alabama, 2018..... 7

Table 3 Resident Births by Plurality, Alabama, 1980-2018 9

Table 4 Births by Methods of Delivery and Hospitals of Occurrence
with Cesarean Section and Vaginal Birth after Cesarean Rates,
Alabama, 2018..... 10

Maternal Demographics

Table 5 Total Births, Births to Unmarried Women and Percent of Births
to Unmarried Women by Race and Age Group of Mother,
Alabama, 2018..... 12

Table 6 Percent of Births to Unmarried Women by Race and
Age Group of Mother, Alabama, 2009-2018 12

Table 7 Number and Percent of Births to Unmarried Women
By Race of Mother, Alabama, 2000-2018 13

Table 8 Number and Percent of Births to Unmarried Women
By County of Residence and Race of Mother,
Alabama, 2018..... 14

Table 9	Births by Live Birth Order, Race and Age Group of Mother, Alabama, 2018	15
---------	--	----

Prenatal Care

Table 10	Births by Trimester Prenatal Care Began and Percent Prenatal Care Began in First Trimester by County of Residence, Alabama, 2018	16
Table 11	Births and Percent of Births by the Adequacy of Prenatal Care and County of Residence, Alabama, 2018	17
Table 12	Births by Race, Age Group of Mother and Adequacy of Prenatal Care, Alabama, 2018	19

Birth Weight

Table 13	Births by Birth Weight, Race and Age Group of Mother, Alabama, 2018	20
Table 14	Low Weight Births and Percent of Low Weight Births by Race, Alabama, 1970-2018.....	21
Table 15	Low Weight Births and Percent of Low Weight Births by County of Residence and Race of Mother, Alabama, 2018	22
Table 16	Low Weight Births and Percent of Low Weight Births by Race and Age Group of Mother, Alabama, 2018	23

Teenage Births

Table 17	Number and Percent of Births to Teenage Mothers by Race, Alabama and United States, 1970-2018.....	24
Table 18	Number and Percent of Births to Teenage Mothers by County of Residence and Race of Mother, Alabama, 2018	26
Table 19	Number and Rate of Births to Teenage Mothers by County of Residence and Race of Mother, Alabama, 2018	27
Table 20	Number and Percent of Births to Unmarried Teenage Mothers by Race, Alabama and United States, 1970-2018.....	29
Table 21	Number and Percent of Births to Unmarried Teenage Mothers by County of Residence and Race of Mother, Alabama, 2018	30

FERTILITY

Table 22	Fertility Rates and Age-Specific Birth Rates, Alabama, 1970-2018.....	31
Table 23	Fertility Rates and Age-Specific Birth Rates for White Females, Alabama, 1970-2018.....	32
Table 24	Fertility Rates and Age-Specific Birth Rates for Black and Other Females, Alabama, 1970-2018.....	33

ESTIMATED PREGNANCIES

Table 25	Estimated Pregnancies, Pregnancy Rates and Pregnancy Outcomes by County of Residence and Race of Female, Alabama, 2018	34
Table 26	Estimated Pregnancy Rates by Race and Age Group of Female, Alabama, 2009-2018.....	36
Table 27	Estimated Pregnancies, Pregnancy Rates and Pregnancy Outcomes by Race and Age Group of Female, Alabama, 2018.....	37
Table 28	Estimated Teenage Pregnancies, Pregnancy Rates and Pregnancy Outcomes by County of Residence and Race of Female, Alabama, 2018.....	38

FETAL DEATHS

Table 29	Fetal Deaths and Fetal Death Rates by Race, Alabama and United States, 1970-2018.....	40
Table 30	Fetal Deaths and Fetal Death Rates by County of Residence and Race of Mother, Alabama, 2018.....	41

DEATHS

General Data

Table 31	Resident Deaths and Death Rates by Race, Alabama and United States, 1970-2018.....	42
Table 32	Deaths and Death Rates by County of Residence and Race, Alabama, 2018	44
Table 33	Deaths and Death Rates by County of Residence and Sex, Alabama, 2018	46
Table 34	Resident Deaths and Death Rates by Month of Occurrence, Alabama, 2018.....	47

Causes of Death

Table 35	Resident Deaths and Death Rates by Selected Causes, Race and Sex, Alabama, 2018	48
Table 36	Leading Causes of Death, Death Percentages and Death Rates by Race and Sex, Alabama, 2018	51
Table 37	Leading Causes of Death and Death Rates by Race and Age Group, Alabama, 2018.....	53
Table 38	Selected Causes of Death by Age Group, Alabama, 2018.....	55

Heart Disease Deaths

Table 39	Alabama Heart Disease Deaths and Death Rates by Race and United States Heart Disease Death Rates, 1970-2018.....	56
Table 40	Heart Disease Deaths and Death Rates by Age Group, Race and Sex, Alabama, 2018.....	57

Malignant Neoplasm Deaths

Table 41	Alabama Malignant Neoplasm Deaths and Death Rates by Race and United States Malignant Neoplasm Death Rates, 1970-2018	58
Table 42	Malignant Neoplasm Deaths and Death Rates by Age Group, Race and Sex, Alabama, 2018.....	59
Table 43	Malignant Neoplasm Deaths and Death Rates by Primary Site and Sex, Alabama, 2018	60

Cerebrovascular Disease Deaths

Table 44	Alabama Cerebrovascular Disease Deaths and Death Rates by Race and United States Cerebrovascular Disease Death Rates, 1970-2018.....	61
Table 45	Cerebrovascular Disease Deaths and Death Rates by Age Group, Race and Sex, Alabama, 2018.....	62

Chronic Lower Respiratory Disease Deaths

Table 46	Alabama Chronic Lower Respiratory Disease Deaths and Death Rates by Race and United States Chronic Lower Respiratory Disease Rates, 1980-2018	63
Table 47	Chronic Lower Respiratory Disease Deaths and Death Rates by Age Group, Race and Sex, Alabama, 2018.....	64

Accidental Deaths

Table 48	Alabama Accidental Deaths and Death Rates by Race and United States Accidental Death Rates, 1970-2018.....	65
Table 49	Accidental Deaths and Death Rates by Age Group and Race, Alabama, 2018	66
Table 50	Accidental Deaths and Death Rates by Age Group, Race and Sex, Alabama, 2018	67
Table 51	Accidental Deaths by Type of Accident and Age Group, Alabama, 2018	68

Diabetes Deaths

Table 52	Alabama Diabetes Deaths and Death Rates by Race and United States Diabetes Death Rates, 1980-2018	69
Table 53	Diabetes Deaths and Death Rates by Age Group, Race and Sex, Alabama, 2018	70

Alzheimer's Deaths

Table 54	Alabama Alzheimer's Deaths and Death Rates by Race and United States Alzheimer's Death Rates, 1980-2018	71
Table 55	Alzheimer's Deaths and Death Rates by Age Group, Race and Sex, Alabama, 2018	72

Suicide Deaths

Table 56	Alabama Suicide Deaths and Death Rates by Race and United States Suicide Death Rates, 1970-2018.....	73
Table 57	Suicide Deaths and Death Rates by Age Group, Race and Sex, Alabama, 2018.....	74

Homicide Deaths

Table 58	Alabama Homicide Deaths and Death Rates by Race and United States Homicide Death Rates, 1970-2018.....	75
Table 59	Homicide Deaths and Death Rates by Age Group, Race and Sex, Alabama, 2018.....	76

Infant Deaths

Table 60	Infant Deaths and Infant Mortality Rates by Race, Alabama and United States, 1970-2018.....	77
Table 61	Neonatal Deaths and Neonatal Mortality Rates by Race, Alabama and United States, 1970-2018.....	78
Table 62	Postneonatal Deaths and Postneonatal Mortality Rates by Race, Alabama and United States, 1970-2018.....	79
Table 63	Infant Deaths and Infant Mortality Rates by County of Residence and Race, Alabama, 2018.....	81
Table 64	Infant Deaths and Infant Mortality Rates by Age at Death and Race, Alabama, 2018.....	82
Table 65	Infant Deaths and Infant Mortality Rates by Live Birth Order, Alabama, 2018.....	82
Table 66	Infant Deaths and Infant Mortality Rates by Cause of Death and Race of Child, Alabama, 2018.....	83
Table 67	Infant Deaths and Infant Mortality Rates by Race of Child and Age Group of Mother, Alabama, 2018.....	86
Table 68	Infant Deaths and Infant Mortality Rates by Weight at Birth and Race of Child, Alabama, 2018.....	86
Table 69	Infant Deaths and Infant Mortality Rates by Plurality at Birth, Race and Sex, Alabama, 2018.....	87
Table 70	Infant Deaths and Infant Mortality Rates by Adequacy of Prenatal Care and Race, Alabama, 2018.....	87

MARRIAGES AND DIVORCES

Table 71	Numbers and Rates of Marriages and Divorces, Alabama and United States, 1970, 1980, 1990, 1995, 2000-2018.....	88
Table 72	Numbers and Rates of Marriages and Divorces by Issuing County, Alabama, 2018.....	89
Table 73	Marriages and Marriage Rates by Month of Occurrence, Alabama, 2018.....	90
Table 74	Marriages by Race of Spouse, Alabama, 2018.....	90

Table 75	Marriages by Previous Marital Status, Alabama, 2018	90
Table 76	Marriages by Age Group of Spouse, Alabama, 2018	91
Table 77	Divorces and Annulments by Duration of Marriage and Number of Minor Children, Alabama, 2018	92
Table 78	Divorces and Annulments by Party to Whom Granted, Alabama, 2018	93
Table 79	Divorces and Annulments by Race of Spouse, Alabama, 2018	93
Table 80	Divorces and Annulments by Legal Grounds for Decree, Alabama, 2018	93
Table 81	Divorces and Annulments by Age Group of Spouse, Alabama, 2018	94

POPULATION

Table 82	Estimated Population by County, Race and Sex, Alabama, 2018	95
Table 83	Estimated Population by Age Group, Race and Sex, Alabama, 2018	96

APPENDIX A

Technical Notes	99
Sources of Data	99
Quality and Completeness of Data	100
Residence Data	101
Population Denominators	101
Race	102
Cause of Death	103
Handling of Unknowns	104
Data Techniques	105
Small Number Limitations	105
Definitions	106

APPENDIX B

Alabama Vital Statistics Formulas	111
Adequacy of Prenatal Care Utilization Index	114
Grams Conversion Table	115

APPENDIX C

NCHS 113 Selected Causes of Death	119
Selected Causes of Infant Death	122

INTRODUCTION

This *Alabama Vital Statistics* publication is intended to be a one-volume reference on pregnancy, mortality, marriage and divorce for frequently requested data obtained from Alabama vital records. Technical notes and definitions are included in an appendix to give the user background on how the various data items are collected and tabulated. Footnotes are also shown on tables to provide further explanations and cautions to the user.

Data from Alabama vital records is also available in the publication *County Health Profiles* which contains a two-page summary of vital statistics for each county in Alabama. The intent is to give the user in need of county information an easy way to locate the data.

Tables from this publication, *County Health Profiles*, and other publications of the Alabama Center for Health Statistics are available online and may be accessed through the Alabama Department of Public Health's website at <http://www.alabamapublichealth.gov/healthstats>. You will see a listing of our publications from years 2005-2018 through menu option "Publications" on the left side of the screen.

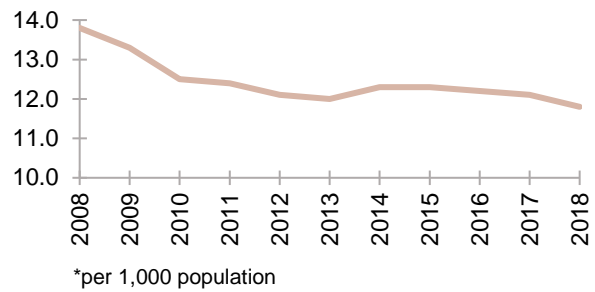
The Center for Health Statistics also provides more interpretative analysis of the data contained in this publication in a variety of other reports, graphs, charts and special topic-specific publications. Many of these publications may also be found on the website.

AVS Highlights

BIRTHS

In 2018, the state of Alabama saw its lowest birth rate in the past decade. For every 1,000 population, there were 11.8 births – a 2% decrease from the previous year. The birth rate increased for the black and other racial group from 2016 to 2017, but decreased from 2017 to 2018. The birth rate for the white racial group decreased for the third consecutive year.

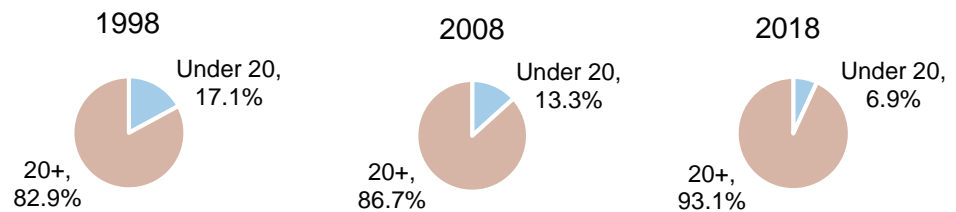
Alabama Birth Rate*, 2008-2018



TEEN BIRTHS

The percentage of births to teen moms continued to fall in Alabama. The percentage was nearly half of what it was in 2008.

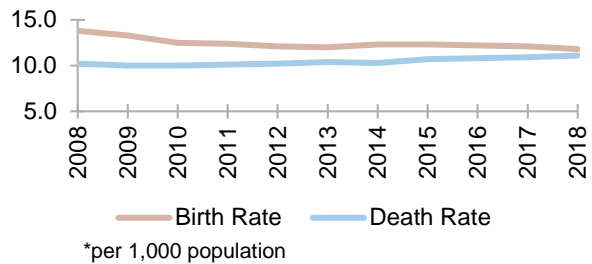
Percent of Alabama Births by Mom's Age, 1998, 2008, 2018



BIRTHS VS DEATHS

In 2018, the gap between the birth and death rates continued to narrow. Births fell while deaths rose in Alabama between 2017 and 2018.

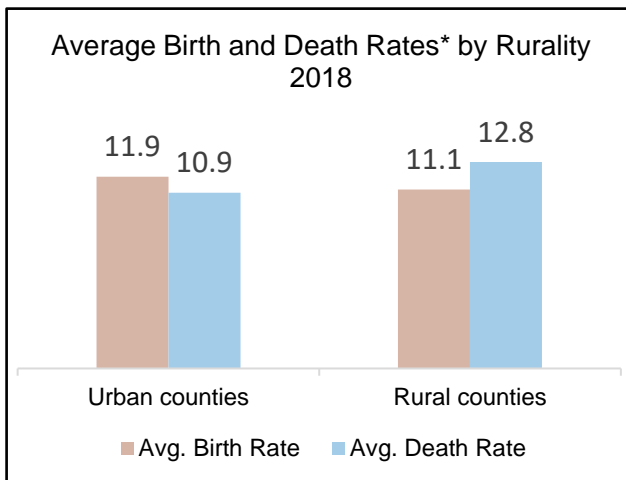
Alabama Birth and Death Rates*, 2008-2018



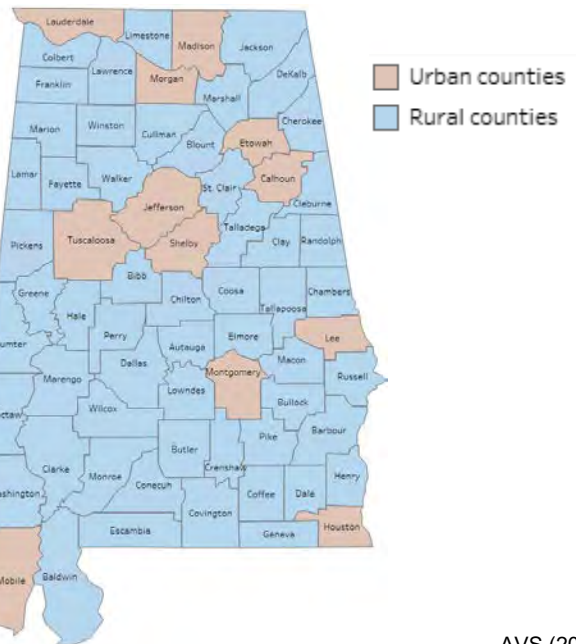
BIRTHS AND DEATHS BY RURALITY

Birth and death rates varied by rurality. On average, more urban county residents were born than died, but vice versa for residents in rural counties.

Average Birth and Death Rates* by Rurality 2018



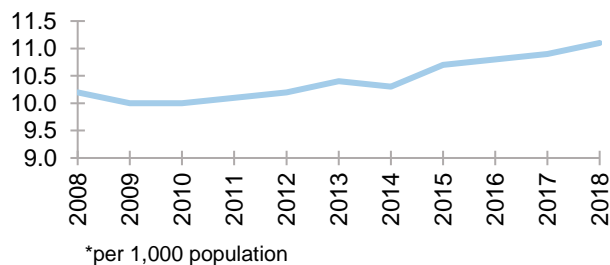
*per 1,000 population



DEATHS

The Alabama death rate increased for the third consecutive year. From 2017 to 2018, the death rate increased from 10.9 to 11.1, a 1.8% increase. This percent increase was double that of 2016 to 2017. Men had an increase of 8.2%, while women had a decrease of 4.6% between 2017 and 2018.

Alabama Death Rate*, 2008-2018



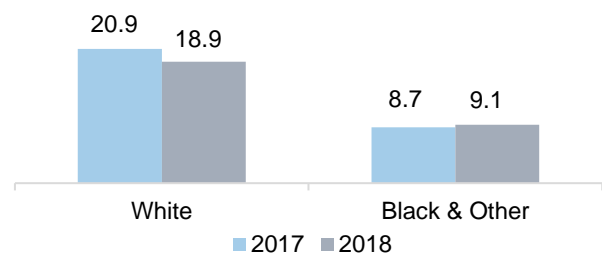
RATE CHANGE IN LEADING CAUSES OF DEATH IN ALABAMA, 2017-2018

Type	Leading Cause	% Rate Change from 2017 to 2018
Natural	Alzheimer's disease	1.7
	Cerebrovascular diseases	5.2
	Chronic liver disease and cirrhosis	0.0
	Chronic lower respiratory diseases	2.8
	Diabetes mellitus	0.4
	Diseases of the heart	2.5
	Essential (primary) hypertension and hypertensive renal disease	5.5
	Influenza and pneumonia	7.9
	Malignant neoplasms	1.8
	Nephritis, nephrotic syndrome and nephrosis	5.5
	Parkinson's disease	2.6
	Septicemia	-1.9
	Unnatural	Accidents (unintentional injuries)
Assault (homicide)		-5.7
Intentional self-harm (suicide)		-1.8

The flu season that peaked in early 2018 was particularly severe. Influenza and pneumonia deaths had the highest percent *increase* (7.9%) from 2017 to 2018 of all leading causes of death.

Leading unnatural causes of death rates all *decreased* from 2017 to 2018, particularly homicide, which fell 5.7%. This rate decrease was due to the black and other racial group, whose rate fell 12.5%. The rate for the white racial group, however, increased 10%.

Alabama Drug Overdose Mortality Rate* by Race 2017-2018

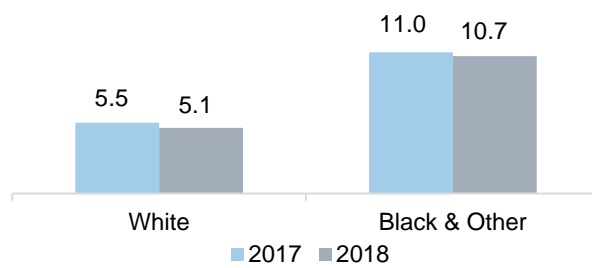


*per 100,000 population

DRUG OVERDOSE MORTALITY

The drug overdose mortality rate fell for the first time in six years in Alabama in 2018. The rate decreased among white Alabama residents, but rose among black and other residents. However, the rate for the white racial group was twice the rate for the black and other racial group.

Alabama Infant Mortality Rate* by Race 2017-2018



*per 1,000 live births

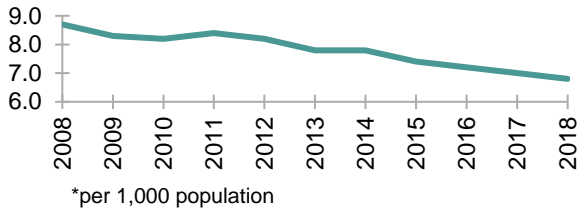
INFANT MORTALITY

The infant mortality rate decreased for the white racial group and the black and other racial group from 2017 to 2018. The rate decreased 5.4% overall. However, racial disparities continued, as the rate for black and other residents was twice the rate of white residents.

MARRIAGES

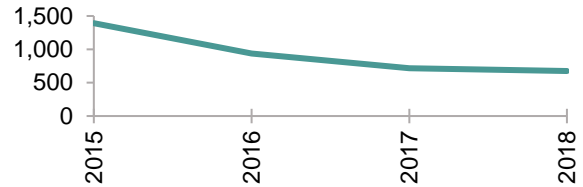
Overall, marriages continued to decline. In 2018, Alabama's marriage rate was 6.8 per 1,000 population, decreasing for the fifth consecutive year.

Alabama Marriage Rate*
2008-2018



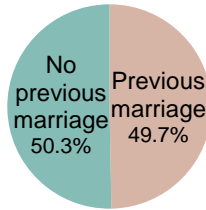
Alabama legalized same sex marriages in 2015. Same sex marriages have decreased since then, with the rate of decrease slowing from year to year.

Alabama Same Sex Marriages
2015-2018



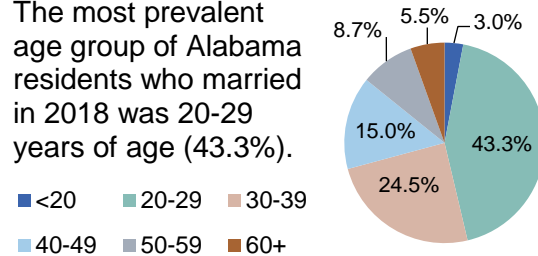
Percent of Alabama Marriages
by Previous Marriage, 2018

In 49.7% of marriages, at least one spouse was married previously.



Percent of Newly Married Alabama Residents*
by Age Group, 2018

The most prevalent age group of Alabama residents who married in 2018 was 20-29 years of age (43.3%).

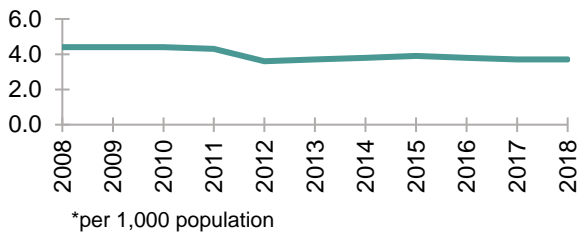


*Refers to individuals, not couples

DIVORCES

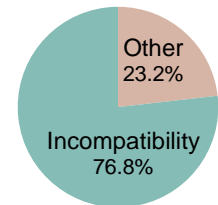
The divorce rate in 2018 stayed the same as 2017, 3.7 per 1,000 population.

Alabama Divorce Rate, 2008-2018



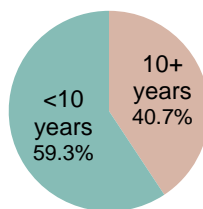
Percent of Alabama Divorces
by Legal Grounds for Decree, 2018

In 2018, 76.8% of divorces in Alabama were due to incompatibility.



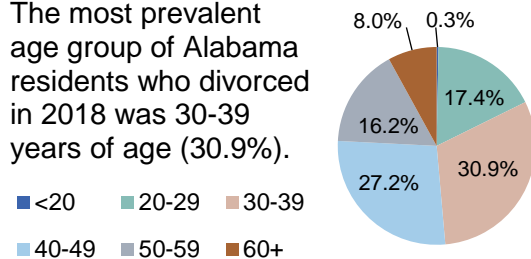
Percent of Alabama Divorces
by Marriage Duration, 2018

The majority of divorces were among couples married less than 10 years.



Percent of Newly Divorced Alabama Residents*
by Age Group, 2018

The most prevalent age group of Alabama residents who divorced in 2018 was 30-39 years of age (30.9%).



*Refers to individuals, not couples

**TABLE 1
RESIDENT BIRTHS AND BIRTH RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2018**

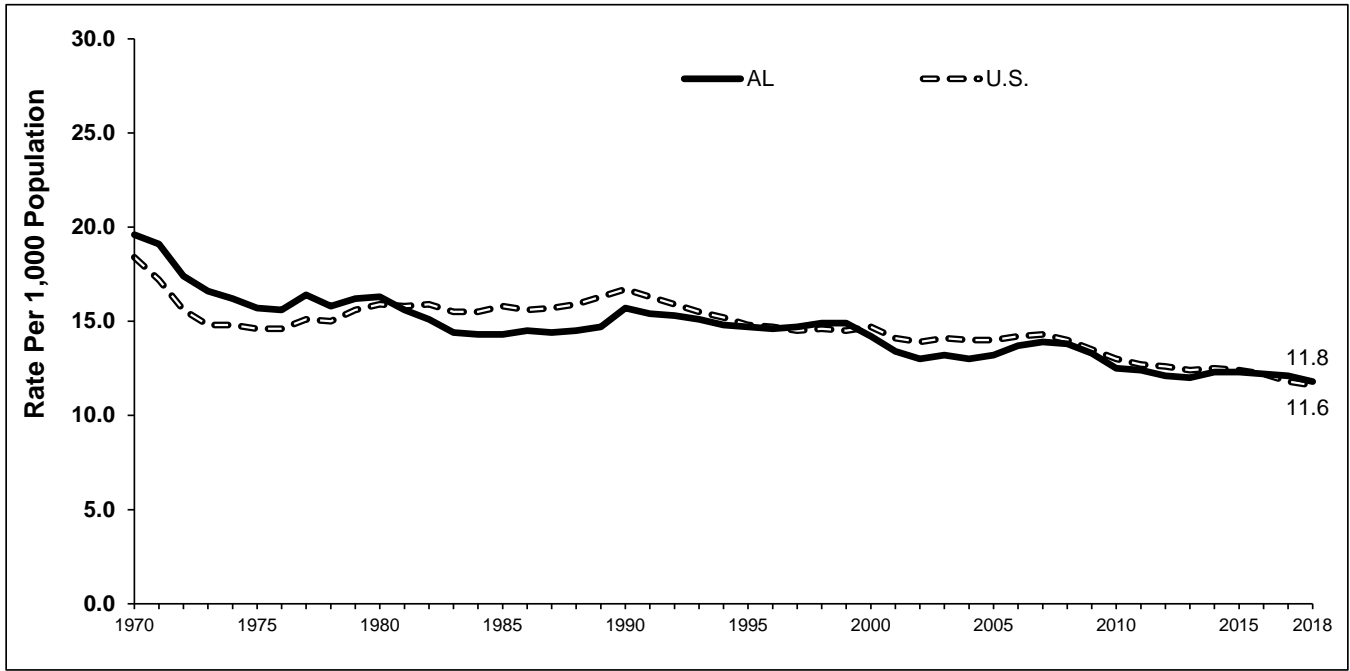
YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S.	ALABAMA		U.S.	ALABAMA		U.S.
	NUMBER	RATE	RATE	NUMBER	RATE	RATE	NUMBER	RATE	RATE
1970	67,570	19.6	18.4	45,479	17.9	17.4	22,091	24.3	25.1
1971	66,750	19.1	17.2	44,209	17.2	16.1	22,541	24.4	24.6
1972	61,765	17.4	15.6	40,134	15.4	14.5	21,631	23.1	22.8
1973	59,442	16.6	14.8	38,778	14.7	13.8	20,664	21.8	21.7
1974	59,342	16.2	14.8	38,642	14.4	13.9	20,700	21.6	21.2
1975	57,922	15.7	14.6	37,565	13.9	13.6	20,357	21.0	21.0
1976	57,895	15.6	14.6	37,415	13.6	13.6	20,480	20.9	20.8
1977	61,927	16.4	15.1	40,286	14.5	14.1	21,641	21.9	21.6
1978	60,108	15.8	15.0	38,646	13.7	14.0	21,462	21.4	21.6
1979	62,494	16.2	15.6	39,805	14.0	14.5	22,689	22.4	22.2
1980	63,405	16.3	15.9	40,624	14.1	14.9	22,781	22.3	22.5
1981	61,497	15.6	15.8	39,667	13.6	14.8	21,830	21.1	22.0
1982	60,296	15.1	15.9	38,895	13.2	14.9	21,401	20.5	21.9
1983	59,057	14.4	15.5	38,464	12.7	14.6	20,593	19.4	21.3
1984	59,104	14.3	15.5	38,255	12.5	14.5	20,849	19.5	21.2
1985	59,663	14.3	15.8	39,042	12.6	14.8	20,621	19.2	21.4
1986	59,441	14.5	15.6	38,632	12.8	14.5	20,809	19.3	21.4
1987	59,558	14.4	15.7	38,826	12.7	14.5	20,732	19.0	21.7
1988	60,718	14.5	15.9	39,155	12.7	14.7	21,563	19.5	22.5
1989	62,530	14.7	16.3	40,100	12.8	15.0	22,430	20.0	23.1
1990	63,420	15.7	16.7	41,072	13.8	15.8	22,348	21.0	21.7
1991	62,798	15.4	16.3	40,660	13.6	15.4	22,138	20.5	21.1
1992	62,226	15.3	15.9	40,144	13.4	15.0	22,082	20.6	20.5
1993	61,588	15.1	15.5	39,848	13.2	14.7	21,740	20.2	19.8
1994	60,836	14.8	15.2	39,579	13.1	14.4	21,257	19.7	19.0
1995	60,264	14.7	14.8	39,660	13.1	14.2	20,604	19.0	17.9
1996	60,460	14.6	14.7	40,142	13.2	14.1	20,318	18.6	17.5
1997	60,887	14.7	14.5	40,419	13.3	13.9	20,468	18.7	17.3
1998	62,025	14.9	14.6	41,486	13.6	14.0	20,539	18.6	17.4
1999	62,070	14.9	14.5	41,689	13.6	13.9	20,381	18.4	17.2
2000	63,166	14.2	14.7	41,946	13.3	14.1	21,220	16.5	17.6
2001	60,295	13.4	14.1	40,470	12.7	13.7	19,825	15.2	16.2
2002	58,867	13.0	13.9	39,845	12.5	13.5	19,022	14.3	15.9
2003	59,356	13.2	14.1	40,667	12.7	13.6	18,689	14.5	15.9
2004	59,170	13.0	14.0	40,140	12.3	13.5	19,030	14.6	16.1
2005	60,262	13.2	14.0	40,895	12.6	13.4	19,367	14.8	16.2
2006	62,915	13.7	14.2	42,369	12.9	13.7	20,546	15.5	16.7
2007	64,180	13.9	14.3	42,986	13.1	13.7	21,194	15.8	16.9
2008	64,345	13.8	14.0	42,897	13.0	13.4	21,448	15.9	16.6
2009	62,476	13.3	13.5	41,963	12.6	13.0	20,513	15.0	15.9
2010	59,979	12.5	13.0	40,193	12.3	12.5	19,786	13.2	14.7
2011	59,322	12.4	12.7	39,770	11.8	12.2	19,552	13.6	14.5
2012	58,381	12.1	12.6	38,637	11.5	12.1	19,744	13.6	14.5
2013	58,162	12.0	12.4	38,604	11.4	12.0	19,558	13.4	14.2
2014	59,532	12.3	12.5	39,488	11.7	11.7	20,044	13.6	14.2
2015	59,651	12.3	12.4	39,632	11.7	12.0	20,019	13.5	13.8
2016	59,090	12.2	12.2	39,241	11.6	-- ³	19,849	13.3	-- ³
2017	58,936	12.1	11.8	38,728	11.5	-- ³	20,208	13.5	-- ³
2018	57,754	11.8	11.6	38,149	11.3	-- ³	19,605	13.0	-- ³

¹ Rate is per 1,000 population in specified group. See formula in Appendix B.

² Data for 1970-1989 are by race of child. Data for 1990-2018 are by race of mother.

³ U.S. race-specific rates are not comparable to Alabama race-specific rates for 2016 and forward due to a different tabulation method.

**FIGURE 1. LIVE BIRTH RATES
ALABAMA AND UNITED STATES, 1970-2018**



**FIGURE 2. LIVE BIRTH RATES BY RACE OF MOTHER
ALABAMA, 1970-2018**

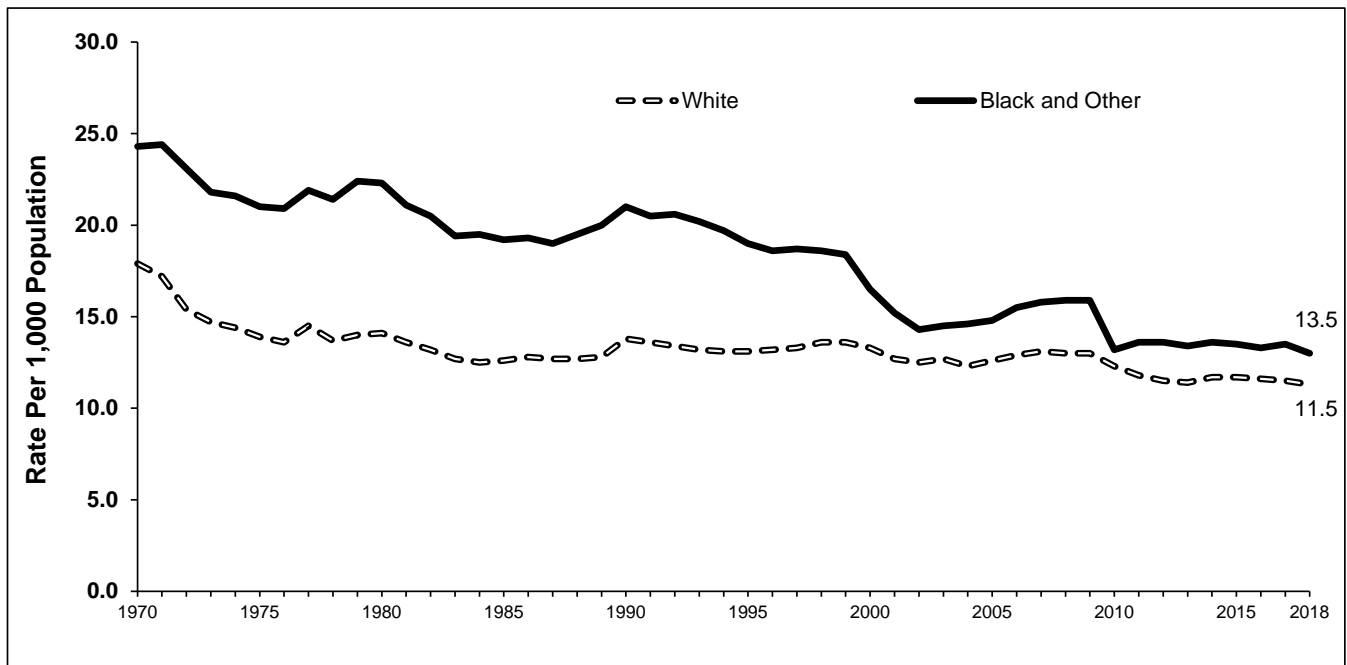
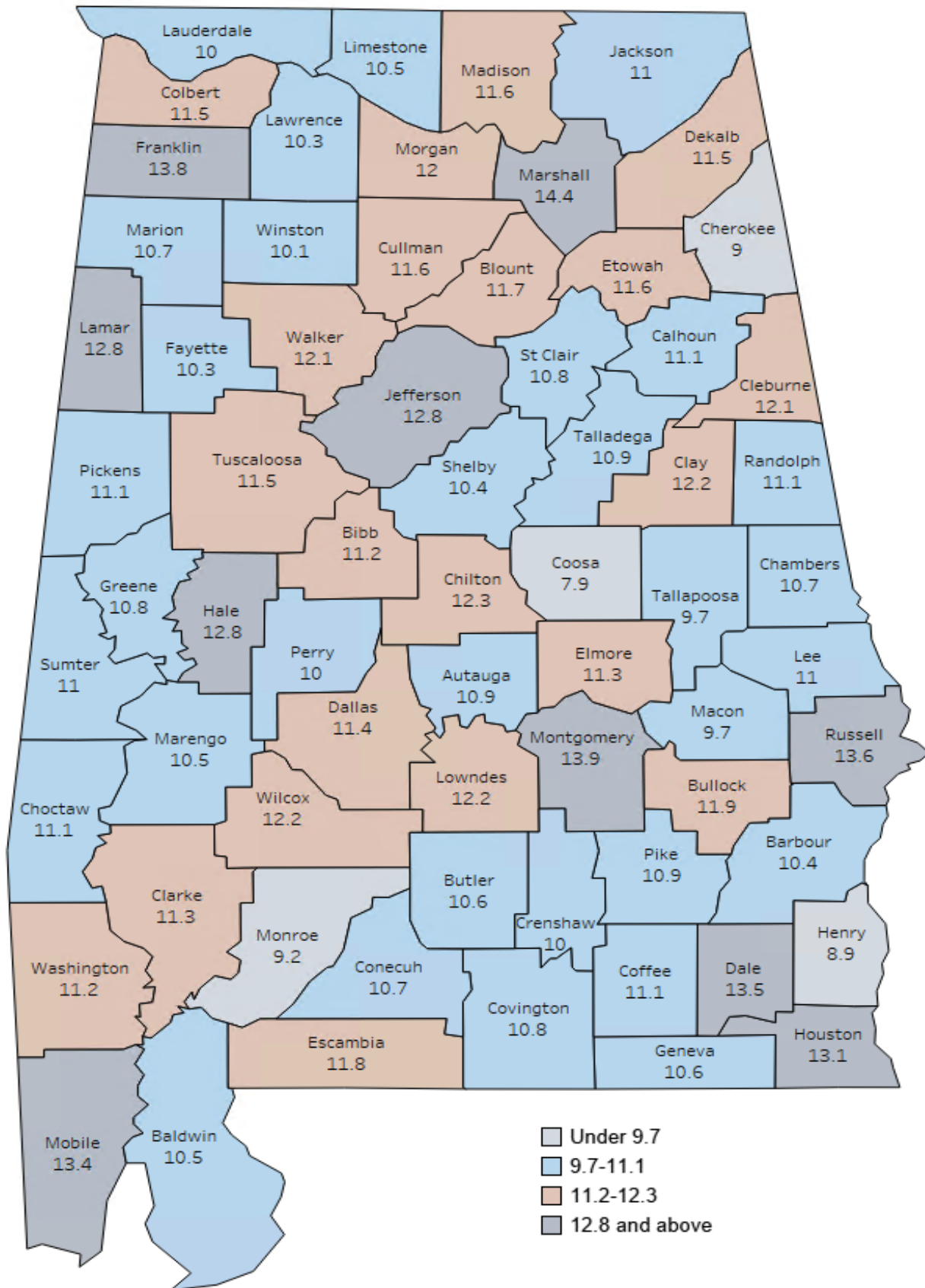


TABLE 2
RESIDENT BIRTHS AND BIRTH RATES¹
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2018

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	57,754	11.8	38,149	11.3	19,605	13.0
Autauga	607	10.9	446	10.5	161	12.4
Baldwin	2,290	10.5	1,950	10.2	340	12.3
Barbour	259	10.4	104	8.5	155	12.2
Bibb	250	11.2	205	11.9	45	8.7
Blount	674	11.7	658	11.9	16	6.7
Bullock	121	11.9	29	10.9	92	12.3
Butler	209	10.6	96	9.3	113	12.0
Calhoun	1,265	11.1	903	10.5	362	12.8
Chambers	359	10.7	201	10.5	158	10.9
Cherokee	233	9.0	216	8.9	17	9.4
Chilton	545	12.3	470	12.2	75	13.2
Choctaw	143	11.1	88	12.0	55	10.0
Clarke	270	11.3	121	9.5	149	13.4
Clay	162	12.2	134	12.1	28	12.6
Cleburne	181	12.1	174	12.2	7	9.3
Coffee	578	11.1	431	10.9	147	11.7
Colbert	632	11.5	523	11.8	109	10.3
Conecuh	131	10.7	73	11.5	58	9.8
Coosa	85	7.9	59	8.2	26	7.3
Covington	401	10.8	333	10.6	68	11.9
Crenshaw	138	10.0	94	9.3	44	11.7
Cullman	971	11.6	954	11.9	17	4.9
Dale	660	13.5	485	13.4	175	13.6
Dallas	436	11.4	87	8.2	349	12.6
DeKalb	823	11.5	789	11.9	34	6.5
Elmore	929	11.3	712	11.5	217	10.8
Escambia	435	11.8	275	12.1	160	11.5
Etowah	1,191	11.6	925	11.2	266	13.5
Fayette	169	10.3	137	9.7	32	13.6
Franklin	433	13.8	408	14.2	25	9.5
Geneva	280	10.6	254	11.1	26	7.7
Greene	89	10.8	16	10.5	73	10.9
Hale	188	12.8	69	11.5	119	13.6
Henry	153	8.9	111	9.0	42	8.5
Houston	1,368	13.1	840	11.6	528	16.3
Jackson	571	11.0	528	11.2	43	9.5
Jefferson	8,436	12.8	4,373	12.5	4,063	13.2
Lamar	177	12.8	151	12.5	26	14.8
Lauderdale	926	10.0	796	9.9	130	10.8
Lawrence	341	10.3	302	11.7	39	5.4
Lee	1,804	11.0	1,225	10.6	579	12.0
Limestone	1,007	10.5	871	11.2	136	7.5
Lowndes	122	12.2	29	11.2	93	12.6
Macon	178	9.7	36	11.5	142	9.3
Madison	4,263	11.6	2,806	11.1	1,457	12.8
Marengo	200	10.5	83	9.3	117	11.6
Marion	319	10.7	303	10.8	16	9.0
Marshall	1,383	14.4	1,297	14.5	86	12.8
Mobile	5,548	13.4	2,912	11.9	2,636	15.6
Monroe	193	9.2	99	8.5	94	9.9
Montgomery	3,139	13.9	940	11.6	2,199	15.2
Morgan	1,432	12.0	1,170	11.9	262	12.8
Perry	91	10.0	26	9.3	65	10.2
Pickens	221	11.1	115	10.0	106	12.6
Pike	362	10.9	186	9.7	176	12.4
Randolph	252	11.1	206	11.6	46	9.1
Russell	785	13.6	418	14.5	367	12.7
St. Clair	960	10.8	860	11.0	100	9.2
Shelby	2,250	10.4	1,831	10.2	419	11.3
Sumter	140	11.0	32	10.0	108	11.4
Talladega	872	10.9	543	10.6	329	11.6
Tallapoosa	394	9.7	264	9.3	130	10.9
Tuscaloosa	2,405	11.5	1,258	9.3	1,147	15.5
Walker	771	12.1	729	12.6	42	7.3
Washington	184	11.2	134	12.4	50	9.0
Wilcox	130	12.2	22	7.5	108	14.0
Winston	240	10.1	234	10.3	6	6.6

¹ Rate is per 1,000 population in specified group. See formula in Appendix B. Use caution with rates derived from small numbers. Rates which apply to populations under 1,000 are shaded.

**Figure 3. Live Birth Rates by County of Residence
Alabama, 2018**



**TABLE 3
RESIDENT BIRTHS BY PLURALITY
ALABAMA, 1980-2018**

YEAR	TOTAL	SINGLE BIRTHS	TWINS	TRIPLETS	QUADRUPLETS OR GREATER
1980	63,405	62,148	1,237	20	0
1981	61,497	60,089	1,385	23	0
1982	60,296	59,042	1,231	23	0
1983	59,057	57,766	1,268	14	9
1984	59,104	57,819	1,270	15	0
1985	59,663	58,434	1,184	41	4
1986	59,441	58,127	1,297	13	4
1987	59,558	58,235	1,287	36	0
1988	60,718	59,294	1,389	33	2
1989	62,530	61,153	1,341	36	0
1990	63,420	61,874	1,488	54	4
1991	62,798	61,273	1,479	46	0
1992	62,226	60,711	1,457	49	9
1993	61,588	60,042	1,507	37	2
1994	60,836	59,215	1,573	32	16
1995	60,264	58,780	1,408	68	8
1996	60,460	58,784	1,595	62	19
1997	60,887	59,117	1,661	97	12
1998	62,025	60,118	1,803	87	17
1999	62,070	60,208	1,762	91	9
2000	63,166	61,032	2,018	98	18
2001	60,295	58,241	1,923	115	16
2002	58,867	56,882	1,850	124	11
2003	59,356	57,406	1,848	94	8
2004	59,170	57,101	1,945	115	9
2005	60,262	58,180	1,954	108	20
2006	62,915	60,638	2,177	94	6
2007	64,180	62,001	2,109	62	8
2008	64,345	62,173	2,055	93	24
2009	62,476	60,315	2,075	78	8
2010	59,979	57,772	2,114	80	13
2011	59,322	57,337	1,888	83	14
2012	58,381	56,386	1,882	104	9
2013	58,162	56,155	1,924	83	0
2014	59,532	57,417	2,072	39	4
2015	59,651	57,438	2,110	91	12
2016	59,090	56,819	2,180	74	17
2017	58,936	56,767	2,066	86	17
2018	57,754	55,648	2,015	87	4

Note: This table gives the number of live born individuals who were part of a single, twin, triplet, quadruplet or greater pregnancy; however, this table does not refer to the number of deliveries.

TABLE 4
BIRTHS BY METHODS OF DELIVERY AND HOSPITALS¹ OF OCCURRENCE
WITH CESAREAN SECTION AND VAGINAL BIRTH AFTER CESAREAN RATES
ALABAMA, 2018

COUNTY AND HOSPITAL	Total	Vaginal	Vaginal After Cesarean Section ³	Primary Cesarean Section	Repeat Cesarean Section	Unknown	Cesarean Section Rate ²	Vaginal After Cesarean Section Rate ³
TOTAL	56,384	36,066	670	12,603	7,043	2	34.8	8.7
BALDWIN								
North Baldwin Infirmary	221	129	0	51	41	0	41.6	0.0
South Baldwin Medical Center	613	398	2	121	92	0	34.7	2.1
Thomas Hospital	1,274	902	25	172	175	0	27.2	12.5
BIBB								
Bibb Medical Center	80	58	0	14	8	0	27.5	0.0
CALHOUN								
Regional Medical Center-Anniston	2,035	1,353	46	387	249	0	31.3	15.6
CLARKE								
Grove Hill Memorial Hospital	173	83	1	49	40	0	51.4	2.4
COFFEE								
Medical Center Enterprise	784	572	12	104	96	0	25.5	11.1
COLBERT								
Helen Keller Memorial Center	775	496	5	138	136	0	35.4	3.5
COVINGTON								
Andalusia Regional Hospital	317	257	11	27	22	0	15.5	33.3
CULLMAN								
Cullman Regional Medical Center	617	437	13	80	87	0	27.1	13.0
DALLAS								
Vaughn Regional Medical Center	448	312	1	109	26	0	30.1	3.7
DEKALB								
DeKalb Regional Medical Center	643	463	1	176	3	0	27.8	25.0
ESCAMBIA								
D.W. McMillan Memorial Hospital	235	107	1	58	69	0	54.0	1.4
ETOWAH								
Gadsden Regional Medical Center	896	680	11	112	93	0	22.9	10.6
HOUSTON								
Flowers Hospital	1,362	856	12	311	183	0	36.3	6.2
Southeast Alabama Medical Center	1,591	1,000	34	310	247	0	35.0	12.1
JACKSON								
Highland Medical Center	315	214	8	54	39	0	29.5	17.0
JEFFERSON								
Brookwood Medical Center	3,735	2,366	80	742	547	0	34.5	12.8
Grandview Medical Center	1,321	751	0	563	7	0	43.1	0.0
Princeton Baptist Medical Center	395	290	7	71	27	0	24.8	20.6
St. Vincent's Birmingham	3,552	2,304	22	816	410	0	34.5	5.1
St. Vincent's East	405	263	8	88	46	0	33.1	14.8
UAB Medical West	322	231	2	86	3	0	27.6	40.0
University of Alabama Hospital	4,129	2,671	47	1,234	177	0	34.2	21.0

¹ Only hospitals with 20 or more live births are listed by names. Caution should be exercised in using rates derived from small numbers.

^{2,3} See Appendix B for formulas to calculate rates.

TABLE 4 (Continued)
BIRTHS BY METHODS OF DELIVERY AND HOSPITALS¹ OF OCCURRENCE
WITH CESAREAN SECTION AND VAGINAL BIRTH AFTER CESAREAN RATES
ALABAMA, 2018

COUNTY AND HOSPITAL	Total	Vaginal	Vaginal After Cesarean Section ³	Primary Cesarean Section	Repeat Cesarean Section	Unknown	Cesarean Section Rate ²	Vaginal After Cesarean Section Rate ³
LAUDERDALE								
Eliza Coffee Memorial Hospital	1,117	760	7	215	135	0	31.3	4.9
North Alabama Medical Center	116	89	1	14	12	0	22.4	7.7
LEE								
East Alabama Medical Center	2,088	1,312	40	425	311	0	35.2	11.4
LIMESTONE								
Athens-Limestone Hospital	453	325	9	62	57	0	26.3	13.6
MADISON								
Crestwood Medical Center	1,084	726	19	205	134	0	31.3	12.4
Huntsville Hospital	4,259	2,476	65	989	729	0	40.3	8.2
Madison Hospital	1,277	840	11	255	171	0	33.4	6.0
MARSHALL								
Marshall Medical Center North	469	355	6	74	34	0	23.0	15.0
Marshall Medical Center South	699	468	15	116	100	0	30.9	13.0
MOBILE								
Mobile Infirmary Medical Center	851	476	5	244	126	0	43.5	3.8
Providence Hospital	1,664	1,027	12	369	256	0	37.6	4.5
Springhill Memorial Hospital	1,263	711	14	331	207	0	42.6	6.3
USA Children's and Women's Hospital	2,598	1,587	17	763	231	0	38.3	6.9
MONROE								
Monroe County Hospital	177	103	0	41	33	0	41.8	0.0
MONTGOMERY								
Baptist Medical Center East	3,570	2,246	26	822	476	0	36.4	5.2
Baptist Medical Center South	710	419	6	149	136	0	40.1	4.2
Jackson Hospital	1,190	681	6	297	206	0	42.3	2.8
MORGAN								
Decatur Morgan Hospital-Parkway	494	328	2	86	78	0	33.2	2.5
SHELBY								
Shelby Baptist Medical Center	992	676	14	160	142	0	30.4	9.0
TALLADEGA								
Citizens Baptist Medical Center	65	33	1	19	12	0	47.7	7.7
Coosa Valley Medical Center	447	251	2	81	113	0	43.4	1.7
TALLAPOOSA								
Russell Hospital	329	147	0	89	93	0	55.3	0.0
TUSCALOOSA								
DCH Regional Medical Center	1,674	1,056	17	419	182	0	35.9	8.5
Northport Medical Center	1,585	1,013	17	302	253	0	35.0	6.3
WALKER								
Walker Baptist Medical Center	848	625	1	217	5	0	26.2	16.7
All Other Hospitals	18	18	0	0	0	0	0.0	----
Out of Hospital	229	218	9	0	0	2	0.0	100.0

¹ Only hospitals with 20 or more live births are listed by names. Caution should be exercised in using rates derived from small numbers.

^{2,3} See Appendix B for formulas to calculate rates.

TABLE 5
TOTAL BIRTHS, BIRTHS TO UNMARRIED WOMEN AND PERCENT¹ OF
BIRTHS TO UNMARRIED WOMEN BY RACE AND AGE GROUP OF MOTHER
ALABAMA, 2018

AGE GROUP OF MOTHER	TOTAL BIRTHS			BIRTHS TO UNMARRIED WOMEN			PERCENT OF BIRTHS TO UNMARRIED WOMEN		
	ALL RACES	WHITE	BLACK AND OTHER	ALL RACES	WHITE	BLACK AND OTHER	ALL RACES	WHITE	BLACK AND OTHER
TOTAL	57,754	38,149	19,605	26,991	12,493	14,498	46.8	32.8	74.0
Under 15	38	17	21	38	17	21	---	---	---
15-17	979	502	477	932	460	472	95.2	91.6	99.0
18-19	2,944	1,769	1,175	2,542	1,411	1,131	86.4	79.8	96.3
20-24	15,266	9,394	5,872	10,246	4,925	5,321	67.1	52.4	90.6
25-29	18,346	12,397	5,949	7,621	3,224	4,397	41.5	26.0	73.9
30-34	13,420	9,452	3,968	3,840	1,658	2,182	28.6	17.6	55.0
35-39	5,672	3,906	1,766	1,487	671	816	26.2	17.2	46.2
40-44	1,022	663	359	276	122	154	27.0	18.4	42.9
45+	65	48	17	9	5	4	13.8	---	---
Not stated	2	1	1	0	0	0	---	---	---

¹ Percentages were not calculated in instances where there were fewer than 50 live births in specified population group. Denominator includes only live births where the marital status was known.

TABLE 6
PERCENT¹ OF BIRTHS TO UNMARRIED WOMEN BY RACE AND AGE GROUP OF MOTHER
ALABAMA, 2009-2018

RACE AND AGE GROUP OF MOTHER	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
TOTAL	40.9	41.9	42.1	42.6	42.2	43.2	43.8	44.7	47.1	46.8
Under 15	99.4	99.1	96.8	98.8	98.4	98.4	100.0	---	---	---
15-17	90.0	91.3	93.5	93.4	91.2	92.3	93.0	94.5	95.5	95.2
18-19	73.8	78.2	78.1	79.3	77.9	80.4	79.7	82.2	86.1	86.4
20-24	54.7	56.8	58.6	59.9	60.4	61.6	63.5	64.5	67.4	67.1
25-29	29.4	31.4	31.4	32.1	32.9	35.2	36.6	38.2	41.4	41.5
30-34	19.8	20.2	21.4	21.9	22.3	24.0	24.3	25.7	27.4	28.6
35-39	17.7	19.3	18.3	21.5	20.6	22.9	24.1	24.3	27.8	26.2
40-44	18.3	18.0	20.6	20.6	22.6	25.0	22.4	29.2	28.3	27.0
45+	---	---	19.6	---	19.3	---	20.4	---	18.5	13.8
WHITE	27.0	27.6	27.9	28.3	28.3	29.2	29.9	30.6	33.3	32.8
Under 15	98.3	97.3	91.9	97.1	96.3	96.6	---	---	---	---
15-17	82.7	84.5	88.9	88.6	86.1	87.4	88.7	90.9	92.8	91.6
18-19	60.8	66.0	65.2	68.4	66.6	71.1	70.5	73.4	79.2	79.8
20-24	38.3	40.2	41.7	43.1	44.3	45.0	47.3	48.9	52.6	52.4
25-29	17.1	18.1	18.7	18.8	19.4	21.1	22.5	23.1	26.6	26.0
30-34	11.1	11.3	12.3	12.0	12.6	13.9	14.2	15.9	17.4	17.6
35-39	11.4	11.4	11.6	13.5	12.7	13.7	16.4	15.3	17.6	17.2
40-44	12.4	10.5	15.6	13.1	15.3	17.9	16.3	21.7	21.1	18.4
45+	---	---	---	---	---	---	---	---	---	---
BLACK AND OTHER	69.4	71.0	70.8	70.6	69.8	71.0	71.5	72.6	73.4	74.0
Under 15	100.0	100.0	100.0	100.0	100.0	100.0	---	---	---	---
15-17	98.0	98.9	99.1	99.1	98.1	99.0	98.4	98.7	99.1	99.0
18-19	92.8	95.3	95.9	94.4	94.9	95.3	94.7	95.4	97.1	96.3
20-24	81.7	83.9	85.0	85.6	84.8	86.8	87.2	88.3	89.4	90.6
25-29	60.0	63.1	62.7	63.0	63.7	66.0	68.3	70.8	71.4	73.9
30-34	44.2	45.4	46.5	47.8	46.9	49.9	50.5	51.5	53.3	55.0
35-39	34.5	39.4	35.7	40.5	40.1	43.7	41.9	44.4	49.0	46.2
40-44	33.1	34.7	35.4	35.2	38.0	38.8	34.7	45.1	42.4	42.9
45+	---	---	---	---	---	---	---	---	---	---

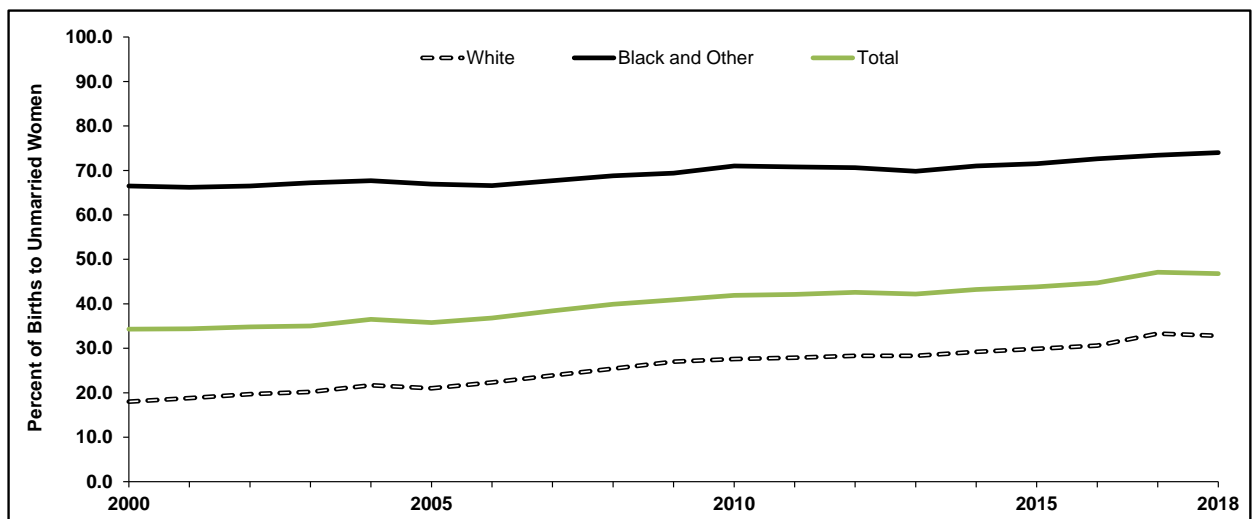
¹ Percentages were not calculated in instances where there were fewer than 50 live births in specified population group. Denominator includes only live births where the marital status was known.

**TABLE 7
NUMBER AND PERCENT¹ OF BIRTHS TO UNMARRIED WOMEN
BY RACE OF MOTHER
ALABAMA, 2000-2018**

YEAR	ALL RACES		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
2000	21,663	34.3	7,556	18.0	14,107	66.5
2001	20,739	34.4	7,615	18.8	13,124	66.2
2002	20,503	34.8	7,862	19.7	12,641	66.5
2003	20,788	35.0	8,230	20.2	12,558	67.2
2004	21,608	36.5	8,724	21.7	12,884	67.7
2005	21,549	35.8	8,595	21.0	12,954	66.9
2006	23,144	36.8	9,461	22.3	13,683	66.6
2007	24,616	38.4	10,278	23.9	14,338	67.7
2008	25,667	39.9	10,910	25.4	14,757	68.8
2009	25,561	40.9	11,324	27.0	14,237	69.4
2010	25,127	41.9	11,086	27.6	14,041	71.0
2011	24,946	42.1	11,102	27.9	13,844	70.8
2012	24,854	42.6	10,916	28.3	13,938	70.6
2013	24,566	42.2	10,913	28.3	13,653	69.8
2014	25,728	43.2	11,514	29.2	14,214	71.0
2015	26,150	43.8	11,843	29.9	14,307	71.5
2016	26,408	44.7	12,025	30.6	14,380	72.6
2017	27,736	47.1	12,910	33.3	14,826	73.4
2018	26,991	46.8	12,493	32.8	14,498	74.0

¹ Denominator includes only live births where the marital status was known.

**FIGURE 4. PERCENT¹ OF BIRTHS TO UNMARRIED WOMEN BY RACE OF MOTHER
ALABAMA, 2000-2018**



¹ Denominator includes only live births where the marital status was known.

**TABLE 8
NUMBER AND PERCENT¹ OF BIRTHS TO UNMARRIED WOMEN
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2018**

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	26,991	46.8	12,493	32.8	14,498	74.0
Autauga	226	37.2	134	30.0	92	57.1
Baldwin	868	37.9	641	32.9	227	66.8
Barbour	177	68.3	41	39.4	136	87.7
Bibb	114	45.6	78	38.0	36	80.0
Blount	210	31.2	202	30.7	8	50.0
Bullock	90	74.4	4	13.8	86	93.5
Butler	143	68.4	40	41.7	103	91.2
Calhoun	662	52.3	394	43.6	268	74.0
Chambers	233	64.9	95	47.3	138	87.3
Cherokee	105	45.1	90	41.7	15	88.2
Chilton	261	48.0	204	43.5	57	76.0
Choctaw	68	47.6	25	28.4	43	78.2
Clarke	166	61.5	42	34.7	124	83.2
Clay	68	42.0	47	35.1	21	75.0
Cleburne	64	35.6	59	34.1	5	71.4
Coffee	224	38.8	130	30.2	94	63.9
Colbert	303	47.9	217	41.5	86	78.9
Conecuh	79	60.3	35	47.9	44	75.9
Coosa	43	51.8	21	36.8	22	84.6
Covington	182	45.6	126	38.1	56	82.4
Crenshaw	62	44.9	32	34.0	30	68.2
Cullman	352	36.3	342	35.8	10	58.8
Dale	266	40.3	145	29.9	121	69.1
Dallas	334	76.6	33	37.9	301	86.2
DeKalb	319	38.8	304	38.5	15	44.1
Elmore	383	41.3	229	32.2	154	71.0
Escambia	268	61.6	131	47.6	137	85.6
Etowah	582	48.9	396	42.8	186	69.9
Fayette	82	48.5	54	39.4	28	87.5
Franklin	197	45.5	178	43.6	19	76.0
Geneva	135	48.2	118	46.5	17	65.4
Greene	68	77.3	4	25.0	64	88.9
Hale	123	65.4	17	24.6	106	89.1
Henry	70	45.8	32	28.8	38	90.5
Houston	687	50.2	287	34.2	400	75.8
Jackson	220	38.5	197	37.3	23	53.5
Jefferson	4,020	47.7	1,020	23.3	3,000	73.9
Lamar	78	44.1	58	38.4	20	76.9
Lauderdale	366	39.5	263	33.0	103	79.2
Lawrence	155	45.5	126	41.7	29	74.4
Lee	666	36.9	288	23.5	378	65.3
Limestone	366	36.3	287	33.0	79	58.1
Lowndes	86	70.5	6	20.7	80	86.0
Macon	127	71.3	9	25.0	118	83.1
Madison	1,632	38.3	696	24.8	936	64.2
Marengo	131	65.5	25	30.1	106	90.6
Marion	120	37.6	112	37.0	8	50.0
Marshall	588	42.5	542	41.8	46	53.5
Mobile	3,156	56.9	1,093	37.6	2,063	78.3
Monroe	119	62.0	38	38.4	81	87.1
Montgomery	1,898	60.5	240	25.5	1,658	75.4
Morgan	609	42.5	417	35.6	192	73.3
Perry	68	74.7	8	30.8	60	92.3
Pickens	120	54.3	30	26.1	90	84.9
Pike	202	55.8	64	34.4	138	78.4
Randolph	121	48.0	84	40.8	37	80.4
Russell	405	51.8	160	38.6	245	66.8
St. Clair	340	35.4	283	32.9	57	57.0
Shelby	589	26.2	413	22.6	176	42.0
Sumter	99	70.7	6	18.8	93	86.1
Talladega	516	59.2	251	46.2	265	80.5
Tallapoosa	233	59.1	116	43.9	117	90.0
Tuscaloosa	1,167	48.5	316	25.1	851	74.3
Walker	307	39.8	278	38.1	29	69.0
Washington	77	41.8	39	29.1	38	76.0
Wilcox	98	75.4	6	27.3	92	85.2
Winston	98	40.8	95	40.6	3	50.0

¹ Denominator includes only live births where the marital status was known. Percentages which apply to populations with fewer than 50 live births are shaded.

TABLE 9
BIRTHS BY LIVE BIRTH ORDER, RACE AND AGE GROUP OF MOTHER
ALABAMA, 2018

LIVE BIRTH ORDER AND RACE	AGE GROUP OF MOTHER								
	TOTAL	UNDER 15	15-19	20-24	25-29	30-34	35-39	40+	NOT STATED
TOTAL	57,754	38	3,923	15,266	18,346	13,420	5,672	1,087	2
White	38,149	17	2,271	9,394	12,397	9,452	3,906	711	1
Black and Other	19,605	21	1,652	5,872	5,949	3,968	1,766	376	1
FIRST	21,945	38	3,265	7,888	6,344	3,196	991	222	1
White	14,798	17	1,876	4,940	4,724	2,391	709	140	1
Black and Other	7,147	21	1,389	2,948	1,620	805	282	82	0
SECOND	18,309	0	568	4,958	6,190	4,626	1,701	266	0
White	12,553	0	342	3,128	4,277	3,431	1,203	172	0
Black and Other	5,756	0	226	1,830	1,913	1,195	498	94	0
THIRD	10,356	0	80	1,801	3,602	3,171	1,469	233	0
White	6,677	0	46	1,044	2,213	2,194	1,029	151	0
Black and Other	3,679	0	34	757	1,389	977	440	82	0
FOURTH	4,242	0	6	491	1,435	1,418	743	148	1
White	2,540	0	3	235	816	886	500	100	0
Black and Other	1,702	0	3	256	619	532	243	48	1
FIFTH AND ABOVE	2,870	0	3	123	765	997	765	217	0
White	1,559	0	3	44	360	541	464	147	0
Black and Other	1,311	0	0	79	405	456	301	70	0
NOT STATED	32	0	1	5	10	12	3	1	0
White	22	0	1	3	7	9	1	1	0
Black and Other	10	0	0	2	3	3	2	0	0

TABLE 10
BIRTHS BY TRIMESTER PRENATAL CARE BEGAN AND PERCENT¹ PRENATAL CARE BEGAN
IN FIRST TRIMESTER BY COUNTY OF RESIDENCE
ALABAMA, 2018

COUNTY OF RESIDENCE	TOTAL	NO PRENATAL CARE	PERCENT ¹ FIRST TRIMESTER	FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER	NOT STATED ²
TOTAL	57,754	1,358	66.0	37,867	14,469	3,639	421
Autauga	607	8	66.4	403	152	44	0
Baldwin	2,290	13	76.6	1,739	409	108	21
Barbour	259	11	61.2	158	63	26	1
Bibb	250	3	65.1	162	68	16	1
Blount	674	24	64.6	429	179	32	10
Bullock	121	4	45.0	54	41	21	1
Butler	209	2	58.4	122	78	7	0
Calhoun	1,265	26	71.7	899	270	59	11
Chambers	359	5	73.5	264	71	19	0
Cherokee	233	4	65.1	151	66	11	1
Chilton	545	12	66.1	358	144	28	3
Choctaw	143	3	78.9	112	23	4	1
Clarke	270	1	70.0	189	68	12	0
Clay	162	1	69.8	113	38	10	0
Cleburne	181	2	72.1	129	41	7	2
Coffee	578	9	68.9	396	104	66	3
Colbert	632	5	66.2	417	173	35	2
Conecuh	131	0	70.2	92	30	9	0
Coosa	85	1	68.7	57	24	1	2
Covington	401	4	64.5	258	116	22	1
Crenshaw	138	2	80.3	110	19	6	1
Cullman	971	10	57.7	556	326	71	8
Dale	660	9	64.4	424	161	64	2
Dallas	436	14	51.3	223	138	60	1
DeKalb	823	45	64.5	527	203	42	6
Elmore	929	11	67.9	629	218	69	2
Escambia	435	6	73.4	317	89	20	3
Etowah	1,191	46	61.2	728	321	94	2
Fayette	169	1	61.9	104	52	11	1
Franklin	433	14	58.5	252	95	70	2
Geneva	280	3	72.4	202	53	21	1
Greene	89	0	51.7	46	32	11	0
Hale	188	2	52.4	98	73	14	1
Henry	153	3	72.5	111	26	13	0
Houston	1,368	15	71.1	970	301	79	3
Jackson	571	6	77.1	435	99	24	7
Jefferson	8,436	209	63.5	5,305	2,286	557	79
Lamar	177	2	61.0	108	55	12	0
Lauderdale	926	15	69.4	642	206	62	1
Lawrence	341	8	65.7	222	91	17	3
Lee	1,804	27	79.0	1,400	275	71	31
Limestone	1,007	18	65.2	653	268	62	6
Lowndes	122	2	59.8	73	34	13	0
Macon	178	6	66.7	118	36	17	1
Madison	4,263	80	64.9	2,742	1,137	265	39
Marengo	200	5	67.2	133	53	7	2
Marion	319	5	64.3	205	87	22	0
Marshall	1,383	213	54.0	744	330	91	5
Mobile	5,548	57	76.8	4,254	1,025	201	11
Monroe	193	0	77.2	149	34	10	0
Montgomery	3,139	108	58.9	1,844	902	277	8
Morgan	1,432	69	57.9	824	420	111	8
Perry	91	0	52.2	47	32	11	1
Pickens	221	4	44.8	99	104	14	0
Pike	362	7	69.7	251	75	27	2
Randolph	252	9	61.0	153	76	13	1
Russell	785	14	75.7	561	129	37	44
St. Clair	960	12	63.8	602	286	44	16
Shelby	2,250	36	68.4	1,529	538	131	16
Sumter	140	2	62.0	85	43	7	3
Talladega	872	26	58.5	507	269	65	5
Tallapoosa	394	1	77.7	304	68	18	3
Tuscaloosa	2,405	65	50.7	1,205	917	189	29
Walker	771	24	66.1	506	188	48	5
Washington	184	2	75.0	138	39	5	0
Wilcox	130	3	58.5	76	41	10	0
Winston	240	4	64.7	154	61	19	2

¹ Denominator includes only live births where the trimester information was known.

² Includes unknown and missing data.

**TABLE 11
BIRTHS AND PERCENT¹ OF BIRTHS BY THE ADEQUACY OF PRENATAL CARE AND COUNTY OF RESIDENCE
ALABAMA, 2018**

COUNTY OF RESIDENCE	TOTAL	ADEQUATE PLUS	PERCENT ¹ ADEQUATE PLUS	ADEQUATE	PERCENT ¹ ADEQUATE	INTER-MEDIATE	PERCENT ¹ INTER-MEDIATE	INADEQUATE	PERCENT ¹ INADEQUATE	UNKNOWN
TOTAL	57,754	20,161	36.1	21,186	38.0	3,944	7.1	10,531	18.9	1,932
Autauga	607	256	42.9	215	36.0	17	2.8	109	18.3	10
Baldwin	2,290	956	42.6	858	38.2	125	5.6	307	13.7	44
Barbour	259	85	34.7	93	38.0	14	5.7	53	21.6	14
Bibb	250	90	36.7	88	35.9	26	10.6	41	16.7	5
Blount	674	219	34.4	279	43.8	36	5.7	103	16.2	37
Bullock	121	35	30.7	28	24.6	4	3.5	47	41.2	7
Butler	209	86	41.5	76	36.7	7	3.4	38	18.4	2
Calhoun	1,265	399	32.5	581	47.4	76	6.2	171	13.9	38
Chambers	359	143	40.7	136	38.7	16	4.6	56	16.0	8
Cherokee	233	71	31.4	92	40.7	20	8.8	43	19.0	7
Chilton	545	169	32.0	225	42.6	38	7.2	96	18.2	17
Choctaw	143	78	56.1	46	33.1	2	1.4	13	9.4	4
Clarke	270	111	41.4	103	38.4	12	4.5	42	15.7	2
Clay	162	60	37.5	47	29.4	25	15.6	28	17.5	2
Cleburne	181	68	38.6	78	44.3	12	6.8	18	10.2	5
Coffee	578	210	37.2	233	41.2	6	1.1	116	20.5	13
Colbert	632	267	42.8	237	38.0	14	2.2	106	17.0	8
Conecuh	131	56	42.7	41	31.3	7	5.3	27	20.6	0
Coosa	85	25	30.5	27	32.9	16	19.5	14	17.1	3
Covington	401	183	46.3	123	31.1	11	2.8	78	19.7	6
Crenshaw	138	57	42.2	57	42.2	4	3.0	17	12.6	3
Cullman	971	295	31.1	339	35.7	94	9.9	222	23.4	21
Dale	660	228	35.3	252	39.0	15	2.3	151	23.4	14
Dallas	436	139	33.3	115	27.5	21	5.0	143	34.2	18
DeKalb	823	245	31.9	273	35.5	109	14.2	141	18.4	55
Elmore	929	372	40.8	343	37.7	26	2.9	170	18.7	18
Escambia	435	175	41.4	169	40.0	18	4.3	61	14.4	12
Etowah	1,191	317	27.8	513	45.0	76	6.7	234	20.5	51
Fayette	169	65	38.9	62	37.1	11	6.6	29	17.4	2
Franklin	433	146	35.1	140	33.7	8	1.9	122	29.3	17
Geneva	280	94	34.1	126	45.7	9	3.3	47	17.0	4
Greene	89	18	20.5	34	38.6	9	10.2	27	30.7	1
Hale	188	65	35.1	48	25.9	25	13.5	47	25.4	3
Henry	153	60	40.0	61	40.7	4	2.7	25	16.7	3

¹ Percentages include only those live births where the Adequacy of Prenatal Care Utilization Index (Kotelchuck Index) value was known. See Appendix B.

TABLE 11 (Continued)
BIRTHS AND PERCENT¹ OF BIRTHS BY THE ADEQUACY OF PRENATAL CARE AND COUNTY OF RESIDENCE
ALABAMA, 2018

COUNTY	TOTAL	ADEQUATE PLUS	PERCENT ¹ ADEQUATE PLUS	ADEQUATE	PERCENT ¹ ADEQUATE	INTER-MEDIATE	PERCENT ¹ INTER-MEDIATE	INADEQUATE	PERCENT ¹ INADEQUATE	UNKNOWN
TOTAL	57,754	20,161	36.1	21,186	38.0	3,944	7.1	10,531	18.9	1,932
Houston	1,368	592	43.9	496	36.8	32	2.4	228	16.9	20
Jackson	571	226	40.6	215	38.7	43	7.7	72	12.9	15
Jefferson	8,436	2,569	31.6	3,166	39.0	734	9.0	1,658	20.4	309
Lamar	177	66	37.7	58	33.1	15	8.6	36	20.6	2
Lauderdale	926	428	47.2	314	34.6	21	2.3	144	15.9	19
Lawrence	341	163	49.5	99	30.1	10	3.0	57	17.3	12
Lee	1,804	1,044	59.8	436	25.0	40	2.3	226	12.9	58
Limestone	1,007	412	42.2	317	32.4	60	6.1	188	19.2	30
Lowndes	122	35	29.7	49	41.5	6	5.1	28	23.7	4
Macon	178	77	45.3	43	25.3	8	4.7	42	24.7	8
Madison	4,263	1,161	28.1	1,610	38.9	520	12.6	845	20.4	127
Marengo	200	87	45.3	65	33.9	10	5.2	30	15.6	8
Marion	319	122	39.0	116	37.1	8	2.6	67	21.4	6
Marshall	1,383	440	37.8	394	33.9	72	6.2	257	22.1	220
Mobile	5,548	2,015	36.8	2,307	42.2	464	8.5	683	12.5	79
Monroe	193	93	48.4	58	30.2	10	5.2	31	16.1	1
Montgomery	3,139	1,058	35.1	1,075	35.7	119	4.0	760	25.2	127
Morgan	1,432	531	39.2	427	31.5	70	5.2	326	24.1	78
Perry	91	34	37.8	24	26.7	9	10.0	23	25.6	1
Pickens	221	84	38.9	73	33.8	10	4.6	49	22.7	5
Pike	362	129	36.6	154	43.8	9	2.6	60	17.0	10
Randolph	252	90	37.2	88	36.4	12	5.0	52	21.5	10
Russell	785	271	37.4	284	39.2	63	8.7	107	14.8	60
St. Clair	960	287	30.8	391	42.0	84	9.0	169	18.2	29
Shelby	2,250	634	28.9	1,008	45.9	195	8.9	360	16.4	53
Sumter	140	63	46.7	37	27.4	9	6.7	26	19.3	5
Talladega	872	189	22.6	300	35.8	125	14.9	224	26.7	34
Tallapoosa	394	253	65.0	68	17.5	12	3.1	56	14.4	5
Tuscaloosa	2,405	757	32.8	817	35.4	178	7.7	553	24.0	100
Walker	771	199	26.9	364	49.3	51	6.9	125	16.9	32
Washington	184	88	48.4	57	31.3	15	8.2	22	12.1	2
Wilcox	130	55	43.3	36	28.3	3	2.4	33	26.0	3
Winston	240	66	28.2	102	43.6	14	6.0	52	22.2	6

¹ Percentages include only those live births where the Adequacy of Prenatal Care Utilization Index (Kotelchuck Index) value was known. See Appendix B.

TABLE 12
BIRTHS BY RACE, AGE GROUP OF MOTHER AND ADEQUACY OF PRENATAL CARE¹
ALABAMA, 2018

RACE AND AGE GROUP OF MOTHER	TOTAL	ADEQUACY OF PRENATAL CARE				
		ADEQUATE PLUS	ADEQUATE	INTERMEDIATE	INADEQUATE	UNKNOWN
ALL RACES	57,754	20,161	21,186	3,944	10,531	1,932
Under 15	38	5	4	3	22	4
15-19	3,923	1,135	1,260	232	1,117	179
20-24	15,266	4,945	5,379	1,053	3,382	507
25-29	18,346	6,584	6,877	1,284	3,028	573
30-34	13,420	4,807	5,349	923	1,947	394
35-39	5,672	2,221	1,998	386	840	227
40-44	1,022	432	305	60	185	40
45+	65	32	14	3	10	6
Not stated	2	0	0	0	0	2
WHITE	38,149	13,387	14,827	2,635	6,065	1,235
Under 15	17	2	2	1	10	2
15-19	2,271	694	750	131	595	101
20-24	9,394	3,156	3,476	611	1,857	294
25-29	12,397	4,498	4,909	880	1,747	363
30-34	9,452	3,263	3,997	687	1,226	279
35-39	3,906	1,469	1,466	286	522	163
40-44	663	283	216	36	100	28
45+	48	22	11	3	8	4
Not stated	1	0	0	0	0	1
BLACK AND OTHER	19,605	6,774	6,359	1,309	4,466	697
Under 15	21	3	2	2	12	2
15-19	1,652	441	510	101	522	78
20-24	5,872	1,789	1,903	442	1,525	213
25-29	5,949	2,086	1,968	404	1,281	210
30-34	3,968	1,544	1,352	236	721	115
35-39	1,766	752	532	100	318	64
40-44	359	149	89	24	85	12
45+	17	10	3	0	2	2
Not stated	1	0	0	0	0	1

¹ See Appendix B for the Adequacy of Prenatal Care Utilization Index (Kotelchuck Index).

TABLE 13
BIRTHS BY BIRTH WEIGHT¹, RACE AND AGE GROUP OF MOTHER
ALABAMA, 2018

BIRTH WEIGHT AND RACE	AGE GROUP OF MOTHER										
	TOTAL	< 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45+	NOT STATED
ALL BIRTH WEIGHTS	57,754	38	979	2,944	15,266	18,346	13,420	5,672	1,022	65	2
White	38,149	17	502	1,769	9,394	12,397	9,452	3,906	663	48	1
Black and Other	19,605	21	477	1,175	5,872	5,949	3,968	1,766	359	17	1
LESS THAN 500 GRAMS	129	1	2	8	38	35	27	17	1	0	0
White	48	0	1	4	14	10	13	6	0	0	0
Black and Other	81	1	1	4	24	25	14	11	1	0	0
500-999 GRAMS	400	0	6	26	110	113	78	52	12	3	0
White	156	0	2	14	38	45	35	16	3	3	0
Black and Other	244	0	4	12	72	68	43	36	9	0	0
1,000-1,499 GRAMS	566	0	13	36	130	175	124	67	19	2	0
White	266	0	6	14	56	94	63	24	8	1	0
Black and Other	300	0	7	22	74	81	61	43	11	1	0
1,500-1,999 GRAMS	1,225	2	19	62	306	386	272	142	30	6	0
White	606	1	5	29	137	182	157	77	14	4	0
Black and Other	619	1	14	33	169	204	115	65	16	2	0
2,000-2,499 GRAMS	3,872	3	85	225	1,088	1,139	815	416	95	6	0
White	2,021	2	33	112	505	597	462	247	61	2	0
Black and Other	1,851	1	52	113	583	542	353	169	34	4	0
2,500-4,499 GRAMS	51,066	32	853	2,575	13,515	16,341	11,951	4,900	849	48	2
White	34,648	14	454	1,586	8,585	11,335	8,599	3,473	563	38	1
Black and Other	16,418	18	399	989	4,930	5,006	3,352	1,427	286	10	1
4,500 GRAMS AND OVER	481	0	1	12	73	155	150	75	15	0	0
White	396	0	1	10	57	133	121	60	14	0	0
Black and Other	85	0	0	2	16	22	29	15	1	0	0
NOT STATED	15	0	0	0	6	2	3	3	1	0	0
White	8	0	0	0	2	1	2	3	0	0	0
Black and Other	7	0	0	0	4	1	1	0	1	0	0

¹ See Appendix B for conversion from grams to pounds and ounces.

TABLE 14
LOW WEIGHT BIRTHS¹ AND PERCENT² OF LOW WEIGHT BIRTHS BY RACE³
ALABAMA, 1970-2018

YEAR	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
1970	6,045	9.0	3,119	6.9	2,926	13.3
1971	5,841	8.8	3,011	6.8	2,830	12.6
1972	5,373	8.7	2,590	6.5	2,783	12.9
1973	5,122	8.6	2,558	6.6	2,564	12.4
1974	5,031	8.5	2,423	6.3	2,608	12.6
1975	4,886	8.4	2,414	6.4	2,472	12.1
1976	4,753	8.2	2,366	6.3	2,387	11.7
1977	4,912	7.9	2,351	6.8	2,561	11.8
1978	5,042	8.4	2,405	6.2	2,637	12.3
1979	4,968	8.0	2,298	5.8	2,670	11.8
1980	4,985	7.9	2,273	5.6	2,712	11.9
1981	4,885	7.9	2,326	5.9	2,559	11.7
1982	4,755	7.9	2,228	5.7	2,527	11.8
1983	4,679	7.9	2,294	6.0	2,385	11.6
1984	4,687	7.9	2,176	5.7	2,511	12.0
1985	4,785	8.0	2,323	6.0	2,462	11.9
1986	4,767	8.0	2,317	6.0	2,450	11.8
1987	4,790	8.0	2,301	5.9	2,489	12.0
1988	4,880	8.0	2,330	6.0	2,550	11.8
1989	5,171	8.3	2,462	6.1	2,709	12.1
1990	5,331	8.4	2,546	6.2	2,785	12.5
1991	5,470	8.7	2,622	6.5	2,848	12.9
1992	5,275	8.5	2,476	6.2	2,799	12.7
1993	5,376	8.7	2,663	6.7	2,713	12.5
1994	5,533	9.1	2,738	6.9	2,795	13.1
1995	5,448	9.0	2,815	7.1	2,633	12.8
1996	5,635	9.3	2,909	7.3	2,726	13.2
1997	5,639	9.3	2,993	7.4	2,646	12.9
1998	5,748	9.3	3,031	7.3	2,717	13.2
1999	5,800	9.3	3,049	7.3	2,751	13.5
2000	6,154	9.7	3,242	7.7	2,912	13.7
2001	5,815	9.6	3,067	7.6	2,748	13.9
2002	5,844	9.9	3,151	7.9	2,693	14.2
2003	5,932	10.0	3,275	8.1	2,657	14.2
2004	6,204	10.3	3,383	8.4	2,821	14.8
2005	6,428	10.7	3,527	8.6	2,901	15.0
2006	6,616	10.5	3,523	8.3	3,093	15.1
2007	6,695	10.4	3,535	8.2	3,160	14.9
2008	6,716	10.6	3,478	8.3	3,238	15.3
2009	6,472	10.4	3,436	8.2	3,036	14.8
2010	6,183	10.3	3,299	8.2	2,884	14.6
2011	5,908	10.0	3,071	7.7	2,837	14.5
2012	5,866	10.1	2,995	7.8	2,871	14.5
2013	5,824	10.0	3,072	8.0	2,752	14.1
2014	6,025	10.1	3,124	7.9	2,901	14.5
2015	6,227	10.4	3,163	8.0	3,064	15.3
2016	6,104	10.3	3,131	8.0	2,973	15.0
2017	6,052	10.3	3,017	7.8	3,035	15.0
2018	6,192	10.7	3,097	8.1	3,095	15.8

¹ Low weight births are births weighing less than 2,500 grams.

² Denominator includes only live births with known birth weights.

³ Data for 1970-1989 are by race of child. Data for 1990-2018 are by race of mother.

TABLE 15
LOW WEIGHT BIRTHS¹ AND PERCENT² OF LOW WEIGHT BIRTHS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2018

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	6,192	10.7	3,097	8.1	3,095	15.8
Autauga	52	8.6	28	6.3	24	14.9
Baldwin	198	8.6	152	7.8	46	13.5
Barbour	35	13.5	5	4.8	30	19.4
Bibb	16	6.4	11	5.4	5	11.1
Blount	41	6.1	41	6.2	0	0.0
Bullock	24	19.8	2	6.9	22	23.9
Butler	27	12.9	8	8.3	19	16.8
Calhoun	124	9.8	71	7.9	53	14.6
Chambers	38	10.6	21	10.4	17	10.8
Cherokee	14	6.0	14	6.5	0	0.0
Chilton	62	11.4	50	10.6	12	16.0
Choctaw	17	11.9	8	9.1	9	16.4
Clarke	33	12.2	12	9.9	21	14.1
Clay	18	11.1	12	9.0	6	21.4
Cleburne	16	8.8	16	9.2	0	0.0
Coffee	47	8.1	29	6.7	18	12.2
Colbert	64	10.1	48	9.2	16	14.7
Conecuh	14	10.7	4	5.5	10	17.2
Coosa	14	16.5	9	15.3	5	19.2
Covington	56	14.0	42	12.6	14	20.6
Crenshaw	15	10.9	7	7.4	8	18.2
Cullman	89	9.2	84	8.8	5	29.4
Dale	52	7.9	26	5.4	26	14.9
Dallas	62	14.2	9	10.3	53	15.2
DeKalb	71	8.6	66	8.4	5	14.7
Elmore	74	8.0	43	6.0	31	14.3
Escambia	43	9.9	22	8.0	21	13.1
Etowah	127	10.7	88	9.5	39	14.7
Fayette	17	10.1	11	8.0	6	19.4
Franklin	55	12.7	55	13.5	0	0.0
Geneva	22	7.9	15	5.9	7	26.9
Greene	14	15.9	0	0.0	14	19.4
Hale	25	13.3	6	8.7	19	16.0
Henry	21	13.7	9	8.1	12	28.6
Houston	146	10.7	64	7.6	82	15.5
Jackson	44	7.7	40	7.6	4	9.3
Jefferson	989	11.7	343	7.8	646	15.9
Lamar	11	6.2	10	6.6	1	3.8
Lauderdale	83	9.0	63	7.9	20	15.4
Lawrence	32	9.4	30	9.9	2	5.1
Lee	177	9.8	99	8.1	78	13.5
Limestone	100	9.9	77	8.8	23	16.9
Lowndes	13	10.7	0	0.0	13	14.0
Macon	17	9.6	6	16.7	11	7.7
Madison	453	10.6	212	7.6	241	16.5
Marengo	30	15.1	8	9.6	22	19.0
Marion	37	11.6	34	11.2	3	18.8
Marshall	124	9.0	118	9.1	6	7.0
Mobile	722	13.0	259	8.9	463	17.6
Monroe	27	14.0	12	12.1	15	16.0
Montgomery	424	13.5	65	6.9	359	16.3
Morgan	133	9.3	97	8.3	36	13.7
Perry	13	14.3	2	7.7	11	16.9
Pickens	26	11.8	10	8.7	16	15.1
Pike	38	10.5	16	8.6	22	12.5
Randolph	26	10.3	17	8.3	9	19.6
Russell	85	10.8	39	9.3	46	12.5
St. Clair	88	9.2	70	8.1	18	18.0
Shelby	198	8.8	137	7.5	61	14.6
Sumter	16	11.5	0	0.0	16	15.0
Talladega	91	10.4	42	7.7	49	14.9
Tallapoosa	66	16.8	24	9.1	42	32.3
Tuscaloosa	249	10.4	73	5.8	176	15.4
Walker	73	9.5	66	9.1	7	16.7
Washington	26	14.1	16	11.9	10	20.0
Wilcox	13	10.0	0	0.0	13	12.0
Winston	25	10.4	24	10.3	1	16.7

¹ Low weight births are births weighing less than 2,500 grams.

² Denominator includes only live births with known birth weights. Percentages which apply to populations with fewer than 50 live births are shaded.

TABLE 16
LOW WEIGHT BIRTHS¹ AND PERCENT² OF LOW WEIGHT BIRTHS
BY RACE AND AGE GROUP OF MOTHER
ALABAMA, 2018

RACE AND AGE GROUP OF MOTHER	TOTAL BIRTHS	LOW WEIGHT BIRTHS	PERCENT OF LOW WEIGHT BIRTHS	UNKNOWN/ NOT STATED
ALL RACES	57,754	6,192	10.7	15
Under 15	38	6	---	0
15-17	979	125	12.8	0
18-19	2,944	357	12.1	0
20-24	15,266	1,672	11.0	6
25-29	18,346	1,848	10.1	2
30-34	13,420	1,316	9.8	3
35-39	5,672	694	12.2	3
40-44	1,022	157	15.4	1
45+	65	17	26.2	0
Not stated	2	0	---	0
WHITE	38,149	3,097	8.1	8
Under 15	17	3	---	0
15-17	502	47	9.4	0
18-19	1,769	173	9.8	0
20-24	9,394	750	8.0	2
25-29	12,397	928	7.5	1
30-34	9,452	730	7.7	2
35-39	3,906	370	9.5	3
40-44	663	86	13.0	0
45+	48	10	---	0
Not stated	1	0	---	0
BLACK AND OTHER	19,605	3,095	15.8	7
Under 15	21	3	---	0
15-17	477	78	16.4	0
18-19	1,175	184	15.7	0
20-24	5,872	922	15.7	4
25-29	5,949	920	15.5	1
30-34	3,968	586	14.8	1
35-39	1,766	324	18.3	0
40-44	359	71	19.8	1
45+	17	7	---	0
Not stated	1	0	---	0

¹ Low weight births are births weighing less than 2,500 grams.

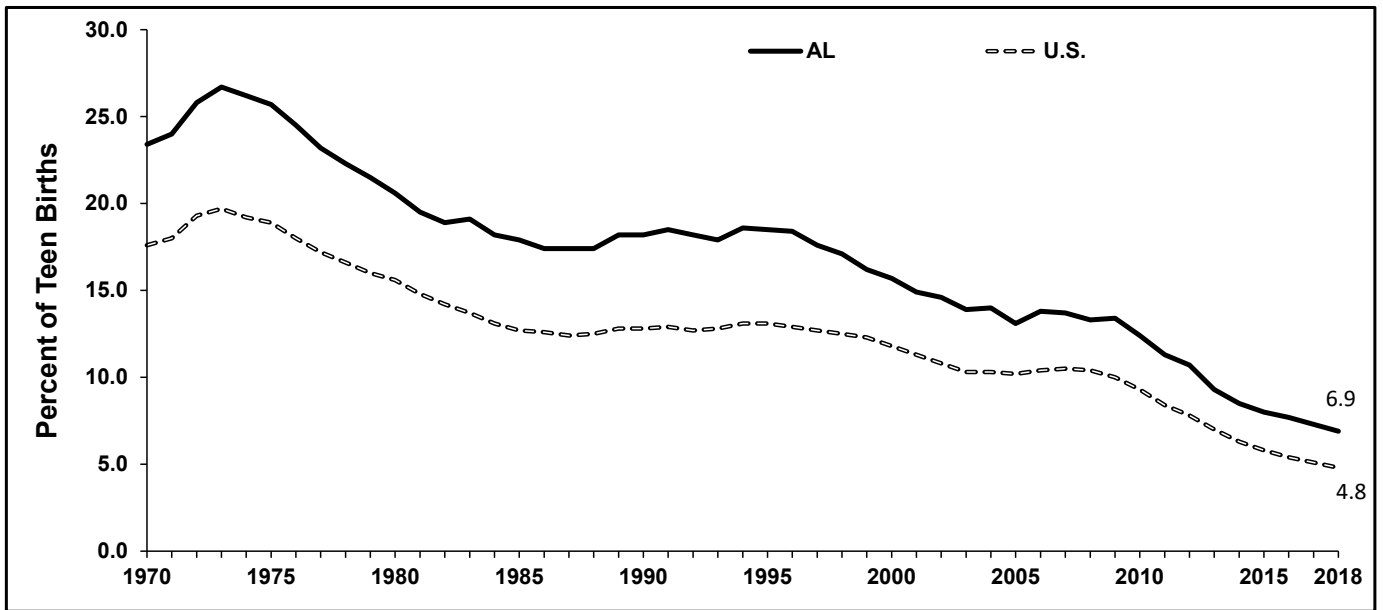
² Percentages were not calculated in instances where there were fewer than 50 live births in specified population group. Denominator includes only births with known birth weights.

TABLE 17
NUMBER AND PERCENT OF BIRTHS TO TEENAGE MOTHERS BY RACE¹
ALABAMA AND UNITED STATES, 1970-2018

YEAR	TOTAL			WHITE		BLACK AND OTHER	
	ALABAMA		U.S.	ALABAMA		ALABAMA	
	NUMBER	PERCENT	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
1970	15,834	23.4	17.6	8,734	19.2	7,100	32.1
1971	15,990	24.0	18.0	8,568	19.4	7,422	32.9
1972	15,917	25.8	19.3	8,279	20.6	7,638	35.3
1973	15,895	26.7	19.7	8,338	21.5	7,557	36.6
1974	15,547	26.2	19.2	8,112	21.0	7,435	35.9
1975	14,906	25.7	18.9	7,737	20.6	7,169	35.2
1976	14,211	24.5	18.0	7,240	19.4	6,971	34.0
1977	14,357	23.2	17.2	7,420	18.4	6,937	32.1
1978	13,409	22.3	16.6	6,868	17.8	6,541	30.5
1979	13,427	21.5	16.0	6,758	17.0	6,669	29.4
1980	13,048	20.6	15.6	6,730	16.6	6,318	27.7
1981	11,976	19.5	14.8	6,229	15.7	5,747	26.3
1982	11,371	18.9	14.2	5,884	15.1	5,487	25.6
1983	11,262	19.1	13.7	5,789	15.1	5,473	26.6
1984	10,751	18.2	13.1	5,520	14.4	5,231	25.1
1985	10,689	17.9	12.7	5,625	14.4	5,064	24.6
1986	10,357	17.4	12.6	5,280	13.7	5,077	24.4
1987	10,354	17.4	12.4	5,283	13.6	5,071	24.5
1988	10,590	17.4	12.5	5,402	13.8	5,188	24.1
1989	11,405	18.2	12.8	5,613	14.0	5,792	25.8
1990	11,552	18.2	12.8	5,905	14.4	5,647	25.3
1991	11,600	18.5	12.9	5,769	14.2	5,831	26.3
1992	11,299	18.2	12.7	5,580	13.9	5,719	25.9
1993	11,019	17.9	12.8	5,433	13.6	5,586	25.7
1994	11,333	18.6	13.1	5,563	14.1	5,770	27.1
1995	11,175	18.5	13.1	5,674	14.3	5,501	26.7
1996	11,115	18.4	12.9	5,636	14.0	5,479	27.0
1997	10,724	17.6	12.7	5,547	13.7	5,177	25.3
1998	10,617	17.1	12.5	5,529	13.3	5,088	24.8
1999	10,069	16.2	12.3	5,373	12.9	4,696	23.0
2000	9,916	15.7	11.8	5,338	12.7	4,578	21.6
2001	8,993	14.9	11.3	4,920	12.2	4,073	20.5
2002	8,589	14.6	10.8	4,769	12.0	3,820	20.1
2003	8,248	13.9	10.3	4,596	11.3	3,652	19.5
2004	8,259	14.0	10.3	4,600	11.5	3,659	19.2
2005	7,903	13.1	10.2	4,434	10.8	3,469	17.9
2006	8,670	13.8	10.4	4,825	11.4	3,845	18.7
2007	8,776	13.7	10.5	4,899	11.4	3,877	18.3
2008	8,567	13.3	10.4	4,742	11.1	3,825	17.8
2009	8,365	13.4	10.0	4,769	11.4	3,596	17.5
2010	7,446	12.4	9.3	4,196	10.4	3,250	16.4
2011	6,697	11.3	8.4	3,799	9.6	2,898	14.8
2012	6,236	10.7	7.8	3,546	9.2	2,690	13.6
2013	5,420	9.3	7.0	3,194	8.3	2,226	11.4
2014	5,084	8.5	6.3	3,075	7.8	2,009	10.0
2015	4,790	8.0	5.8	2,876	7.3	1,914	9.6
2016	4,526	7.7	5.4	2,642	6.7	1,884	9.5
2017	4,285	7.3	5.1	2,569	6.6	1,716	8.5
2018	3,961	6.9	4.8	2,288	6.0	1,673	8.5

¹ Data for 1970-1989 are by race of child. Data for 1990-2018 are by race of mother.

**FIGURE 5. PERCENT OF BIRTHS TO TEENAGE MOTHERS
ALABAMA AND UNITED STATES, 1970-2018**



**FIGURE 6. PERCENT OF BIRTHS TO TEENAGE MOTHERS BY RACE OF MOTHER
ALABAMA, 2000-2018**

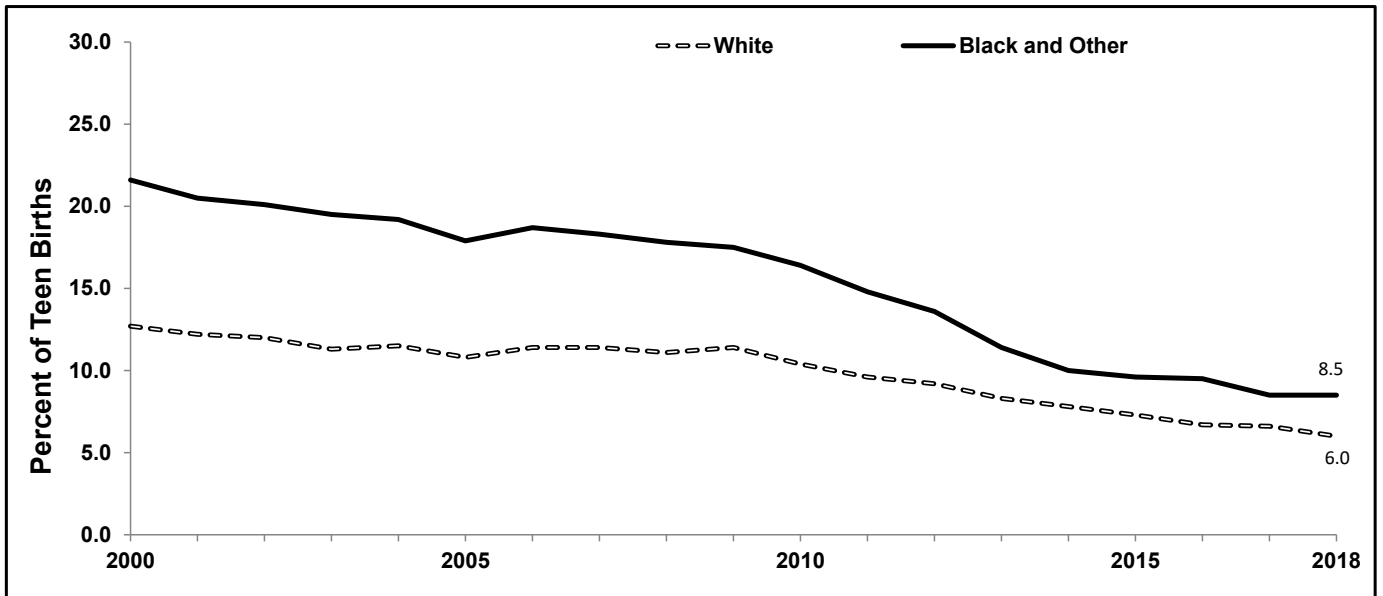


TABLE 18
NUMBER AND PERCENT¹ OF BIRTHS TO TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2018

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	3,961	6.9	2,288	6.0	1,673	8.5
Autauga	34	5.6	23	5.2	11	6.8
Baldwin	147	6.4	108	5.5	39	11.5
Barbour	20	7.7	5	4.8	15	9.7
Bibb	14	5.6	13	6.3	1	2.2
Blount	49	7.3	48	7.3	1	6.3
Bullock	8	6.6	1	3.4	7	7.6
Butler	16	7.7	6	6.3	10	8.8
Calhoun	95	7.5	73	8.1	22	6.1
Chambers	20	5.6	11	5.5	9	5.7
Cherokee	19	8.2	18	8.3	1	5.9
Chilton	55	10.1	53	11.3	2	2.7
Choctaw	13	9.1	10	11.4	3	5.5
Clarke	25	9.3	9	7.4	16	10.7
Clay	14	8.6	13	9.7	1	3.6
Cleburne	13	7.2	13	7.5	0	0.0
Coffee	34	5.9	20	4.6	14	9.5
Colbert	50	7.9	42	8.0	8	7.3
Conecuh	5	3.8	5	6.8	0	0.0
Coosa	5	5.9	2	3.4	3	11.5
Covington	40	10.0	33	9.9	7	10.3
Crenshaw	10	7.2	8	8.5	2	4.5
Cullman	67	6.9	64	6.7	3	17.6
Dale	43	6.5	27	5.6	16	9.1
Dallas	37	8.5	5	5.7	32	9.2
DeKalb	87	10.6	82	10.4	5	14.7
Elmore	52	5.6	35	4.9	17	7.8
Escambia	47	10.8	27	9.8	20	12.5
Etowah	104	8.7	65	7.0	39	14.7
Fayette	15	8.9	13	9.5	2	6.3
Franklin	36	8.3	34	8.3	2	8.0
Geneva	23	8.2	18	7.1	5	19.2
Greene	10	11.2	3	18.8	7	9.6
Hale	18	9.6	6	8.7	12	10.1
Henry	8	5.2	4	3.6	4	9.5
Houston	100	7.3	48	5.7	52	9.8
Jackson	33	5.8	30	5.7	3	7.0
Jefferson	498	5.9	150	3.4	348	8.6
Lamar	16	9.0	12	7.9	4	15.4
Lauderdale	70	7.6	53	6.7	17	13.1
Lawrence	32	9.4	30	9.9	2	5.1
Lee	82	4.5	47	3.8	35	6.0
Limestone	61	6.1	51	5.9	10	7.4
Lowndes	9	7.4	0	0.0	9	9.7
Macon	17	9.6	2	5.6	15	10.6
Madison	192	4.5	106	3.8	86	5.9
Marengo	19	9.5	6	7.2	13	11.1
Marion	29	9.1	27	8.9	2	12.5
Marshall	140	10.1	131	10.1	9	10.5
Mobile	385	6.9	162	5.6	223	8.5
Monroe	15	7.8	2	2.0	13	13.8
Montgomery	233	7.4	43	4.6	190	8.6
Morgan	128	8.9	101	8.6	27	10.3
Perry	7	7.7	0	0.0	7	10.8
Pickens	20	9.0	10	8.7	10	9.4
Pike	31	8.6	16	8.6	15	8.5
Randolph	25	9.9	21	10.2	4	8.7
Russell	54	6.9	29	6.9	25	6.8
St. Clair	62	6.5	57	6.6	5	5.0
Shelby	63	2.8	48	2.6	15	3.6
Sumter	7	5.0	2	6.3	5	4.6
Talladega	62	7.1	34	6.3	28	8.5
Tallapoosa	41	10.4	24	9.1	17	13.1
Tuscaloosa	167	6.9	48	3.8	119	10.4
Walker	65	8.4	58	8.0	7	16.7
Washington	19	10.3	10	7.5	9	18.0
Wilcox	14	10.8	2	9.1	12	11.1
Winston	32	13.3	31	13.2	1	16.7

¹ Percentages which apply to populations with fewer than 50 live births are shaded.

**TABLE 19
NUMBER AND RATE¹ OF BIRTHS TO TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2018**

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	3,961	12.9	2,288	11.6	1,673	15.2
Autauga	34	9.1	23	8.2	11	11.6
Baldwin	147	10.9	108	9.9	39	15.5
Barbour	20	14.0	5	7.9	15	19.0
Bibb	14	11.6	13	14.0	1	3.7
Blount	49	13.0	48	13.6	1	4.5
Bullock	8	15.3	1	10.3	7	16.5
Butler	16	14.0	6	12.3	10	15.3
Calhoun	95	13.3	73	14.8	22	10.0
Chambers	20	10.9	11	11.8	9	10.0
Cherokee	19	12.8	18	13.4	1	6.9
Chilton	55	19.0	53	21.4	2	4.8
Choctaw	13	18.6	10	26.7	3	9.3
Clarke	25	16.5	9	11.8	16	21.2
Clay	14	19.0	13	22.1	1	6.8
Cleburne	13	14.9	13	16.0	0	0.0
Coffee	34	10.4	20	8.3	14	16.0
Colbert	50	16.1	42	17.3	8	11.6
Conecuh	5	7.2	5	17.6	0	0.0
Coosa	5	9.7	2	6.2	3	15.6
Covington	40	18.5	33	18.7	7	17.3
Crenshaw	10	11.5	8	13.4	2	7.5
Cullman	67	13.5	64	13.6	3	12.5
Dale	43	14.9	27	13.9	16	16.8
Dallas	37	14.1	5	9.6	32	15.2
DeKalb	87	18.0	82	18.7	5	11.3
Elmore	52	10.2	35	9.6	17	11.7
Escambia	47	20.8	27	21.2	20	20.3
Etowah	104	17.0	65	13.8	39	27.7
Fayette	15	16.0	13	15.9	2	16.8
Franklin	36	17.8	34	18.3	2	11.8
Geneva	23	14.2	18	13.3	5	19.2
Greene	10	19.8	3	60.0	7	15.4
Hale	18	19.8	6	18.3	12	20.7
Henry	8	8.2	4	5.9	4	13.1
Houston	100	15.4	48	11.9	52	20.9
Jackson	33	11.0	30	11.1	3	9.8
Jefferson	498	12.1	150	7.7	348	16.0
Lamar	16	19.2	12	16.6	4	35.7
Lauderdale	70	12.3	53	11.3	17	16.8
Lawrence	32	16.4	30	21.0	2	3.9
Lee	82	7.1	47	5.9	35	9.6
Limestone	61	10.1	51	10.8	10	7.6
Lowndes	9	15.5	0	0.0	9	19.1
Macon	17	12.9	2	16.7	15	12.5
Madison	192	8.3	106	7.4	86	10.0
Marengo	19	16.3	6	12.8	13	18.7
Marion	29	17.4	27	17.3	2	18.7
Marshall	140	22.5	131	23.1	9	16.9
Mobile	385	14.6	162	11.7	223	17.9
Monroe	15	11.1	2	2.9	13	19.9
Montgomery	233	16.2	43	11.0	190	18.2
Morgan	128	17.2	101	17.2	27	17.3
Perry	7	10.4	0	0.0	7	14.5
Pickens	20	19.3	10	19.1	10	19.5
Pike	31	12.6	16	12.2	15	13.0
Randolph	25	18.3	21	21.3	4	10.4
Russell	54	15.4	29	20.0	25	12.1
St. Clair	62	11.9	57	12.7	5	6.9
Shelby	63	4.3	48	4.1	15	5.0
Sumter	7	7.9	2	9.0	5	7.5
Talladega	62	12.0	34	11.3	28	13.0
Tallapoosa	41	18.1	24	16.6	17	20.7
Tuscaloosa	167	11.4	48	5.3	119	20.9
Walker	65	17.8	58	18.0	7	16.1
Washington	19	18.4	10	15.5	9	23.2
Wilcox	14	18.7	2	14.9	12	19.5
Winston	32	23.4	31	23.9	1	14.5

¹ Rate is per 1,000 females aged 10-19 years in specified group. See formula in Appendix B. Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

Figure 7. Birth Rates to Teenage Mothers by County of Residence Alabama, 2018

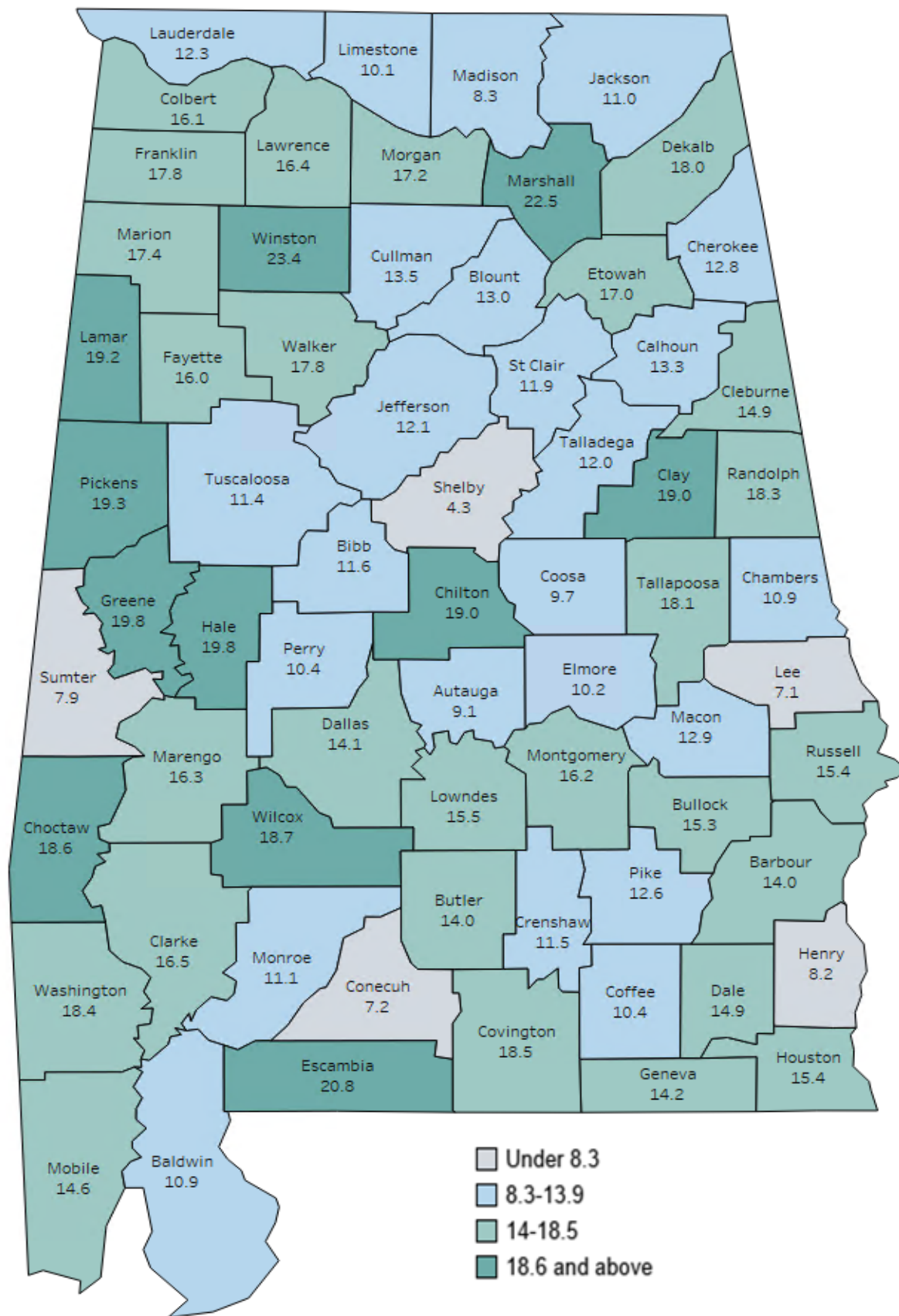


TABLE 20
NUMBER AND PERCENT¹ OF BIRTHS
TO UNMARRIED TEENAGE MOTHERS BY RACE²
ALABAMA AND UNITED STATES, 1970-2018³

YEAR	TOTAL			WHITE		BLACK AND OTHER	
	ALABAMA		U.S.	ALABAMA		ALABAMA	
	NUMBER	PERCENT	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
1970	5,147	32.7	30.5	815	9.4	4,332	61.2
1971	5,665	35.5	31.8	842	9.8	4,823	65.1
1972	5,858	36.8	33.8	852	10.3	5,006	65.5
1973	5,998	37.7	35.0	895	10.7	5,103	67.5
1974	6,087	39.2	36.4	935	11.5	5,152	69.3
1975	6,415	43.0	39.3	1,065	13.8	5,350	74.6
1976	6,469	45.5	41.2	1,039	14.4	5,430	76.6
1977	6,628	46.2	43.8	1,138	15.3	5,490	79.1
1978	6,447	48.1	44.9	1,131	16.5	5,316	81.3
1979	6,686	49.8	46.9	1,141	16.9	5,545	83.2
1980	6,491	49.8	48.3	1,198	17.8	5,293	83.8
1981	6,116	51.1	49.9	1,218	19.6	4,898	85.2
1982	5,935	52.2	51.4	1,177	20.0	4,758	86.7
1983	6,089	57.1	54.1	1,255	21.7	4,834	88.3
1984	5,902	54.9	56.3	1,248	22.6	4,654	89.0
1985	5,924	55.4	58.7	1,374	24.4	4,550	89.9
1986	6,034	58.3	61.5	1,438	27.2	4,596	90.5
1987	6,276	60.6	64.0	1,641	31.1	4,635	91.4
1988	6,461	61.0	65.9	1,715	31.8	4,746	91.5
1989	7,335	64.3	67.2	1,956	34.9	5,379	92.9
1990	7,289	63.1	67.6	2,032	34.4	5,257	93.1
1991	7,528	64.9	69.3	2,052	35.6	5,476	93.9
1992	7,530	66.6	70.5	2,138	38.3	5,392	94.3
1993	7,593	68.9	71.8	2,298	42.3	5,295	94.8
1994	7,930	70.0	75.9	2,430	43.7	5,500	95.3
1995	7,887	70.6	75.6	2,658	46.8	5,229	95.1
1996	7,819	70.3	76.3	2,623	46.5	5,196	94.8
1997	7,667	71.5	78.2	2,763	49.8	4,904	94.7
1998	7,604	71.6	78.9	2,768	50.1	4,836	95.0
1999	7,133	70.8	79.0	2,729	50.8	4,404	93.8
2000	7,064	71.2	79.1	2,761	51.7	4,303	94.0
2001	6,492	72.2	79.2	2,686	54.6	3,806	93.4
2002	6,268	73.0	80.2	2,663	55.8	3,605	94.4
2003	6,142	74.5	81.6	2,667	58.0	3,475	95.2
2004	6,196	75.0	82.6	2,709	58.9	3,487	95.3
2005	5,780	73.1	83.5	2,514	56.7	3,266	94.1
2006	6,405	73.9	84.4	2,821	58.5	3,584	93.2
2007	6,641	75.7	85.7	3,014	61.5	3,627	93.6
2008	6,699	78.2	86.8	3,062	64.6	3,637	95.1
2009	6,616	79.1	87.4	3,210	67.3	3,406	94.7
2010	6,135	82.4	88.2	2,997	71.4	3,138	96.6
2011	5,554	82.9	88.6	2,743	72.2	2,811	97.0
2012	5,202	83.4	88.8	2,623	74.0	2,579	95.9
2013	4,431	81.8	88.8	2,297	71.9	2,134	95.9
2014	4,259	83.8	88.7	2,322	75.5	1,937	96.4
2015	3,997	83.4	88.9	2,161	75.1	1,836	95.9
2016	3,878	85.7	89.2	2,061	78.0	1,817	96.4
2017	3,794	88.5	89.3	2,121	82.6	1,673	97.5
2018	3,512	88.7	89.9	1,888	82.5	1,624	97.1

¹ Percentage calculation = births to unmarried teenage mothers/births to all teenage mothers

² Data for 1970-1989 are by race of child. Data for 1990-2018 are by race of mother.

³ Data for 1970 are by occurrence. Data for 1971-2018 are by residence.

TABLE 21
NUMBER AND PERCENT¹ OF BIRTHS TO UNMARRIED TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2018

COUNTY OF RESIDENCE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	3,512	88.7	1,888	82.5	1,624	97.1
Autauga	28	82.4	18	78.3	10	90.9
Baldwin	138	93.9	100	92.6	38	97.4
Barbour	18	90.0	4	80.0	14	93.3
Bibb	12	85.7	11	84.6	1	100.0
Blount	30	61.2	29	60.4	1	100.0
Bullock	8	100.0	1	100.0	7	100.0
Butler	15	93.8	6	100.0	9	90.0
Calhoun	81	85.3	60	82.2	21	95.5
Chambers	18	90.0	9	81.8	9	100.0
Cherokee	17	89.5	16	88.9	1	100.0
Chilton	47	85.5	45	84.9	2	100.0
Choctaw	11	84.6	8	80.0	3	100.0
Clarke	22	88.0	6	66.7	16	100.0
Clay	10	71.4	9	69.2	1	100.0
Cleburne	13	100.0	13	100.0	0	---
Coffee	30	88.2	16	80.0	14	100.0
Colbert	39	78.0	31	73.8	8	100.0
Conecuh	5	100.0	5	100.0	0	---
Coosa	4	80.0	1	50.0	3	100.0
Covington	29	72.5	22	66.7	7	100.0
Crenshaw	8	80.0	6	75.0	2	100.0
Cullman	55	82.1	52	81.3	3	100.0
Dale	36	83.7	21	77.8	15	93.8
Dallas	37	100.0	5	100.0	32	100.0
DeKalb	69	79.3	65	79.3	4	80.0
Elmore	48	92.3	31	88.6	17	100.0
Escambia	46	97.9	26	96.3	20	100.0
Etowah	91	87.5	53	81.5	38	97.4
Fayette	10	66.7	8	61.5	2	100.0
Franklin	27	75.0	26	76.5	1	50.0
Geneva	20	87.0	15	83.3	5	100.0
Greene	7	70.0	0	0.0	7	100.0
Hale	17	94.4	5	83.3	12	100.0
Henry	8	100.0	4	100.0	4	100.0
Houston	93	93.0	41	85.4	52	100.0
Jackson	26	78.8	23	76.7	3	100.0
Jefferson	473	95.0	130	86.7	343	98.6
Lamar	13	81.3	10	83.3	3	75.0
Lauderdale	62	88.6	46	86.8	16	94.1
Lawrence	27	84.4	25	83.3	2	100.0
Lee	77	93.9	42	89.4	35	100.0
Limestone	51	83.6	41	80.4	10	100.0
Lowndes	9	100.0	0	---	9	100.0
Macon	17	100.0	2	100.0	15	100.0
Madison	175	91.1	92	86.8	83	96.5
Marengo	17	89.5	5	83.3	12	92.3
Marion	19	65.5	17	63.0	2	100.0
Marshall	113	80.7	105	80.2	8	88.9
Mobile	369	95.8	148	91.4	221	99.1
Monroe	14	93.3	2	100.0	12	92.3
Montgomery	214	91.8	30	69.8	184	96.8
Morgan	103	80.5	80	79.2	23	85.2
Perry	7	100.0	0	---	7	100.0
Pickens	17	85.0	8	80.0	9	90.0
Pike	28	90.3	14	87.5	14	93.3
Randolph	21	84.0	17	81.0	4	100.0
Russell	50	92.6	26	89.7	24	96.0
St. Clair	58	93.5	53	93.0	5	100.0
Shelby	58	92.1	43	89.6	15	100.0
Sumter	7	100.0	2	100.0	5	100.0
Talladega	52	83.9	24	70.6	28	100.0
Tallapoosa	38	92.7	21	87.5	17	100.0
Tuscaloosa	147	88.0	39	81.3	108	90.8
Walker	47	72.3	40	69.0	7	100.0
Washington	17	89.5	9	90.0	8	88.9
Wilcox	14	100.0	2	100.0	12	100.0
Winston	25	78.1	24	77.4	1	100.0

¹ Percentage calculation = births to unmarried teenage mothers/births to all teenage mothers. Percentages which apply to populations with fewer than 50 live births are shaded.

TABLE 22
FERTILITY RATES AND AGE-SPECIFIC BIRTH RATES¹
ALABAMA, 1970-2018

YEAR	TOTAL FERTILITY RATE	GENERAL FERTILITY RATE	AGE-SPECIFIC BIRTH RATES							
			10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	2,587.0	92.5	1.8	91.1	181.5	134.4	66.7	32.4	8.8	0.7
1971	2,463.5	90.0	2.0	90.4	174.3	124.3	63.8	29.1	8.2	0.6
1972	2,205.0	81.4	2.1	88.5	147.0	113.9	55.4	25.8	7.6	0.7
1973	2,051.0	76.7	2.4	86.8	133.7	106.5	51.8	22.8	5.8	0.4
1974	1,985.5	74.9	2.3	83.7	131.1	105.1	48.6	19.8	5.9	0.4
1975	1,884.5	71.6	2.3	79.0	124.4	101.2	45.3	19.2	5.2	0.3
1976	1,852.5	70.3	2.4	75.9	122.5	101.2	46.2	17.6	4.4	0.3
1977	1,948.5	73.8	2.5	77.4	130.2	107.2	49.1	18.1	4.9	0.3
1978	1,853.5	70.0	2.5	72.5	123.8	101.1	49.6	16.7	4.3	0.2
1979	1,864.5	70.4	2.3	72.1	124.1	103.6	49.9	16.6	4.2	0.1
1980	1,884.0	70.6	2.2	68.0	125.1	107.9	52.6	16.9	3.8	0.3
1981	1,795.0	66.3	1.7	62.5	119.5	105.1	50.7	16.1	3.1	0.3
1982	1,762.0	64.4	1.7	60.0	117.3	103.8	50.1	16.2	3.1	0.2
1983	1,727.5	62.4	1.7	60.2	113.0	102.0	48.8	16.7	2.9	0.2
1984	1,729.0	61.8	1.7	58.2	114.8	100.6	50.6	17.2	2.6	0.2
1985	1,746.0	61.8	1.9	58.5	115.7	101.9	51.4	17.0	2.6	0.2
1986	1,748.0	62.7	1.6	59.5	106.0	103.3	58.0	18.0	3.0	0.2
1987	1,748.0	62.1	2.0	57.9	104.6	103.7	60.2	18.2	2.9	0.1
1988	1,779.5	62.6	1.6	58.5	107.4	103.0	62.6	19.8	2.9	0.1
1989	1,827.0	63.7	1.8	61.7	109.9	104.6	63.4	20.5	3.4	0.1
1990	1,987.0	67.2	2.1	71.2	126.8	111.5	60.7	21.6	3.4	0.1
1991	1,973.0	66.2	2.2	75.3	122.9	109.6	60.5	20.9	3.1	0.1
1992	1,988.5	66.3	2.4	71.3	124.9	110.9	63.7	20.9	3.5	0.1
1993	1,987.9	65.9	2.6	70.2	124.0	109.1	65.6	22.3	3.6	0.2
1994	1,983.2	65.3	2.4	73.4	120.2	107.7	66.5	22.8	3.5	0.2
1995	1,982.5	65.0	2.3	73.1	118.3	106.6	68.9	23.3	3.9	0.1
1996	2,008.5	65.6	2.2	73.4	116.5	110.8	69.4	25.1	4.2	0.1
1997	2,040.5	66.5	1.9	71.4	118.6	115.4	70.6	26.1	4.0	0.1
1998	2,096.0	68.2	1.7	71.3	125.0	118.5	71.0	26.9	4.7	0.1
1999	2,115.0	68.7	1.6	67.8	129.0	118.1	73.6	28.0	4.7	0.2
2000	2,023.5	65.1	1.3	60.7	129.3	112.3	70.4	26.2	4.4	0.1
2001	1,926.0	62.2	1.2	54.8	122.4	105.2	70.6	26.1	4.7	0.2
2002	1,876.5	60.7	1.1	52.1	117.2	102.3	72.7	25.1	4.6	0.2
2003	1,910.5	62.3	1.1	52.2	113.9	107.7	74.7	27.4	4.9	0.2
2004	1,895.0	62.1	1.1	52.2	113.7	106.4	71.9	28.4	5.1	0.2
2005	1,928.0	63.3	1.0	49.6	119.1	107.0	74.0	29.4	5.3	0.2
2006	2,023.0	66.7	1.1	53.3	124.1	114.0	75.5	30.9	5.4	0.3
2007	2,054.0	68.1	0.9	53.8	126.0	114.4	78.0	31.9	5.6	0.2
2008	2,022.0	68.3	1.1	52.0	123.4	113.8	77.5	31.0	5.4	0.2
2009	1,957.5	65.7	1.1	50.7	115.4	111.2	77.7	29.5	5.7	0.2
2010	1,869.0	62.4	0.7	43.6	105.6	112.2	76.4	29.1	6.0	0.2
2011	1,835.5	61.8	0.6	40.5	100.9	111.4	77.1	30.3	5.9	0.3
2012	1,804.5	60.9	0.5	38.9	96.6	110.5	78.0	30.6	5.5	0.3
2013	1,793.0	60.6	0.4	34.1	97.9	110.8	78.5	31.1	5.5	0.3
2014	1,829.5	61.9	0.4	32.1	97.3	113.3	83.7	33.1	5.7	0.3
2015	1,833.5	62.2	0.3	30.1	98.2	112.5	84.8	34.6	5.9	0.3
2016	1,823.5	62.0	0.3	28.3	97.1	111.0	86.1	35.6	6.1	0.2
2017	1,821.0	62.0	0.3	27.0	96.7	110.1	86.9	36.4	6.5	0.3
2018	1,786.0	60.9	0.2	25.2	94.5	107.5	86.3	36.3	6.9	0.3

¹ Total fertility rate is an estimate of the average number of children that 1,000 women would bear if the current age-specific birth rates remained constant. General fertility rate is per 1,000 females aged 15-44 years. Age-specific birth rate is per 1,000 females in specified age group. See formulas in Appendix B.

TABLE 23
FERTILITY RATES AND AGE-SPECIFIC BIRTH RATES¹ FOR WHITE FEMALES
ALABAMA, 1970-2018

YEAR	TOTAL FERTILITY RATE	GENERAL FERTILITY RATE	AGE-SPECIFIC BIRTH RATES							
			10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	2,321.5	83.4	0.7	74.8	170.8	129.5	58.3	24.1	5.7	0.4
1971	2,196.0	79.8	0.8	72.3	164.7	119.7	54.5	21.6	5.3	0.3
1972	1,940.5	70.8	0.9	68.4	135.8	109.8	49.0	19.2	4.7	0.3
1973	1,821.5	67.0	0.9	67.7	122.4	105.2	46.7	17.4	3.8	0.2
1974	1,760.0	65.3	0.9	64.7	122.7	102.0	43.3	14.7	3.4	0.2
1975	1,668.5	62.2	0.9	60.7	115.6	97.6	41.5	14.1	3.1	0.2
1976	1,634.0	60.8	1.0	57.0	113.5	98.0	41.0	13.4	2.7	0.2
1977	1,730.0	64.2	1.1	58.7	119.4	104.7	45.2	13.6	3.1	0.2
1978	1,625.0	60.1	0.9	54.5	111.4	97.0	45.3	13.1	2.7	0.1
1979	1,627.0	60.1	0.8	53.1	112.3	99.0	45.0	12.8	2.4	... ²
1980	1,691.5	61.9	0.8	52.4	116.5	105.5	47.5	13.1	2.3	0.2
1981	1,622.0	58.6	0.6	48.3	111.2	102.2	47.0	12.8	2.1	0.2
1982	1,592.0	56.9	0.6	46.2	108.7	101.1	46.3	13.5	1.9	0.1
1983	1,575.5	55.8	0.6	46.0	105.4	101.2	45.6	14.2	2.0	0.1
1984	1,568.0	55.0	0.6	44.5	105.2	98.4	47.7	15.2	1.9	0.1
1985	1,598.5	55.6	0.7	45.8	106.7	100.6	49.6	14.2	2.0	0.1
1986	1,616.0	56.4	0.6	45.1	100.7	104.6	54.2	15.5	2.4	0.1
1987	1,625.5	56.1	0.6	44.3	97.6	106.8	57.7	15.7	2.3	0.1
1988	1,639.5	56.1	0.5	44.7	98.2	105.3	59.8	17.2	2.2	... ²
1989	1,679.5	56.9	0.5	45.7	100.5	108.2	60.5	17.7	2.7	0.1
1990	1,820.5	61.0	0.7	55.6	112.7	111.2	61.1	20.0	2.7	0.1
1991	1,814.5	60.4	0.8	57.6	109.8	111.1	61.1	19.9	2.5	0.1
1992	1,820.5	60.3	0.9	54.3	112.0	109.9	64.0	19.8	3.1	0.1
1993	1,827.6	60.2	1.0	53.7	111.5	108.6	66.2	21.3	3.0	0.1
1994	1,836.5	60.2	0.6	56.2	107.7	108.3	68.6	22.6	3.1	0.2
1995	1,862.5	60.8	0.8	57.9	107.6	108.1	71.7	22.9	3.4	0.1
1996	1,906.5	62.0	0.9	57.9	106.6	113.8	72.6	25.5	3.9	0.1
1997	1,941.5	62.9	0.6	57.7	107.1	119.0	73.6	26.5	3.7	0.1
1998	2,015.5	65.0	0.6	57.6	114.5	123.4	75.0	27.5	4.4	0.1
1999	2,047.0	65.9	0.7	55.9	118.6	123.0	77.6	28.9	4.6	0.1
2000	2,022.5	64.1	0.6	51.9	120.8	119.8	78.7	28.1	4.4	0.2
2001	1,957.0	62.1	0.6	47.7	116.9	113.6	80.0	27.8	4.5	0.3
2002	1,933.0	61.5	0.5	46.1	113.9	111.4	83.1	26.6	4.7	0.3
2003	1,971.5	63.3	0.5	45.9	109.6	119.2	84.5	29.5	4.9	0.2
2004	1,931.0	62.3	0.4	45.9	109.3	113.9	80.1	31.1	5.3	0.2
2005	1,971.5	63.6	0.4	43.9	114.8	115.1	82.4	32.2	5.2	0.3
2006	2,060.0	66.7	0.5	46.8	121.1	121.7	82.6	33.6	5.4	0.3
2007	2,091.0	68.1	0.4	47.6	122.7	121.5	86.0	34.0	5.8	0.2
2008	2,047.5	68.1	0.5	45.9	119.3	120.8	84.3	33.0	5.5	0.2
2009	2,005.5	66.3	0.6	46.0	112.0	120.1	85.2	31.1	5.8	0.3
2010	1,997.5	65.4	0.4	40.1	105.5	126.4	89.1	31.7	6.1	0.2
2011	1,898.5	63.0	0.4	36.6	96.2	121.0	86.3	32.4	6.5	0.3
2012	1,845.5	61.5	0.3	35.1	91.3	118.4	86.3	32.1	5.3	0.3
2013	1,844.5	61.5	0.3	31.8	93.0	118.0	86.7	33.2	5.5	0.4
2014	1,885.5	63.0	0.3	30.6	93.7	119.9	92.1	34.7	5.5	0.3
2015	1,897.0	63.7	0.2	28.5	94.1	119.8	93.8	36.9	5.8	0.3
2016	1,888.5	63.7	0.2	26.0	94.8	117.3	95.3	37.7	6.2	0.2
2017	1,866.5	63.1	0.2	25.4	92.6	114.8	95.8	37.7	6.5	0.3
2018	1,842.0	62.3	0.2	22.8	92.7	114.1	93.2	38.3	6.7	0.4

¹ Total fertility rate is an estimate of the average number of children that 1,000 women would bear if the current age-specific birth rates remained constant. General fertility rate is per 1,000 females aged 15-44 years. Age-specific birth rate is per 1,000 females in specified age group. See formulas in Appendix B.

² Rate is less than 0.05 per 1,000 females in specified age group.

TABLE 24
FERTILITY RATES AND AGE-SPECIFIC BIRTH RATES¹ FOR BLACK AND OTHER FEMALES
ALABAMA, 1970-2018

YEAR	TOTAL FERTILITY RATE	GENERAL FERTILITY RATE	AGE-SPECIFIC BIRTH RATES							
			10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	3,329.5	118.6	3.9	123.9	210.1	151.3	96.8	60.0	18.5	1.4
1971	3,233.5	120.0	4.4	128.6	202.5	140.9	96.8	54.6	17.3	1.6
1972	2,944.5	112.6	4.7	131.0	178.4	128.7	78.6	48.6	17.0	1.9
1973	2,675.0	105.3	5.4	127.7	164.4	111.1	70.8	42.1	12.6	0.9
1974	2,606.0	103.2	5.3	124.6	153.4	116.2	68.4	38.1	14.0	1.2
1975	2,481.5	99.4	5.3	119.0	146.7	113.9	60.1	38.4	12.1	0.8
1976	2,454.0	98.2	5.5	117.4	145.1	111.8	66.1	33.5	10.5	0.9
1977	2,543.5	102.1	5.4	118.9	157.6	115.2	63.8	35.8	11.2	0.8
1978	2,477.0	99.5	5.9	113.1	155.4	113.2	66.1	31.0	10.3	0.4
1979	2,508.5	100.7	5.5	114.7	153.5	116.8	67.7	32.1	10.9	0.5
1980	2,379.5	94.3	5.3	101.3	145.1	114.1	69.4	31.0	9.2	0.5
1981	2,228.0	87.3	3.9	92.7	139.1	112.7	62.3	27.6	6.8	0.5
1982	2,183.0	84.4	4.0	89.6	137.4	111.0	61.8	25.2	7.2	0.4
1983	2,095.5	80.2	4.0	90.6	130.7	103.9	58.4	25.0	6.1	0.4
1984	2,118.0	80.1	4.0	87.8	137.6	106.3	59.0	23.4	5.2	0.3
1985	2,098.5	78.3	4.4	85.8	137.0	105.4	56.5	25.6	4.5	0.5
1986	2,065.0	79.3	3.8	90.5	117.4	100.0	69.0	26.5	5.2	0.6
1987	2,034.5	77.5	4.9	86.7	119.7	96.4	67.4	26.5	5.1	0.2
1988	2,101.5	79.2	3.7	87.8	127.1	97.8	70.3	28.0	5.4	0.2
1989	2,167.5	81.0	4.4	95.3	130.4	96.2	71.5	29.4	5.9	0.4
1990	2,352.5	82.6	4.8	102.1	160.3	112.1	59.6	25.9	5.5	0.2
1991	2,304.0	80.6	4.8	109.5	153.4	105.8	59.0	23.2	5.0	0.1
1992	2,345.5	81.1	5.1	104.2	154.0	113.7	63.1	23.9	4.9	0.2
1993	2,317.6	79.6	5.7	101.5	151.6	110.5	64.0	24.6	5.2	0.4
1994	2,267.8	77.7	5.6	105.6	147.2	106.3	60.9	23.2	4.6	0.2
1995	2,208.5	75.2	5.0	101.6	140.8	102.9	61.5	24.2	5.5	0.2
1996	2,184.5	74.3	4.7	102.1	137.3	102.9	60.7	24.3	4.8	0.1
1997	2,211.0	75.0	4.4	97.2	142.1	106.1	62.5	25.0	4.7	0.2
1998	2,221.0	75.5	3.7	96.8	146.3	106.3	60.2	25.4	5.3	0.2
1999	2,213.0	75.3	3.3	90.2	149.7	106.3	62.5	25.6	4.9	0.1
2000	1,987.5	67.2	2.5	75.8	144.5	96.8	51.7	21.8	4.3	0.1
2001	1,834.5	62.2	2.2	67.1	132.2	88.3	49.7	22.2	5.0	0.2
2002	1,739.5	59.2	2.1	62.5	122.9	84.6	50.1	21.4	4.2	0.1
2003	1,763.5	60.4	2.1	63.4	121.8	85.2	52.6	22.4	5.0	0.2
2004	1,797.0	61.6	2.2	63.5	121.8	91.5	53.6	22.0	4.5	0.3
2005	1,819.5	62.6	2.0	59.9	127.1	91.0	55.6	22.7	5.4	0.2
2006	1,927.5	66.6	2.0	65.0	129.5	98.9	60.0	24.6	5.3	0.2
2007	1,961.0	68.1	1.8	64.4	132.1	100.7	61.2	26.9	4.9	0.2
2008	1,949.5	68.7	2.0	62.5	130.7	100.2	62.9	26.2	5.2	0.2
2009	1,849.5	64.6	1.9	58.7	121.4	94.0	62.3	26.0	5.5	0.1
2010	1,646.0	57.2	1.2	49.1	105.7	88.5	54.5	24.1	5.9	0.2
2011	1,706.5	59.4	1.0	47.0	109.0	93.1	59.7	26.0	5.1	0.4
2012	1,720.5	58.9	0.9	45.3	106.0	95.7	62.4	27.5	6.0	0.3
2013	1,692.5	58.9	0.7	38.1	106.3	97.2	63.3	26.9	5.7	0.3
2014	1,720.2	59.2	0.6	34.7	103.5	101.2	67.7	29.9	6.2	0.2
2015	1,709.0	59.4	0.6	33.0	105.1	98.9	67.7	30.1	6.1	0.3
2016	1,699.5	58.9	0.5	32.5	100.9	99.5	68.8	31.6	5.9	0.2
2017	1,730.5	60.0	0.4	29.7	103.4	101.9	70.1	33.8	6.6	0.2
2018	1,684.0	58.3	0.4	29.4	97.5	95.9	73.5	32.6	7.2	0.3

¹ Total fertility rate is an estimate of the average number of children that 1,000 women would bear if the current age-specific birth rates remained constant. General fertility rate is per 1,000 females aged 15-44 years. Age-specific birth rate is per 1,000 females in specified age group. See formulas in Appendix B.

TABLE 25
ESTIMATED PREGNANCIES¹, PREGNANCY RATES² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2018

COUNTY	TOTAL					WHITE					BLACK AND OTHER				
	ESTIMATED PREGNANCY		PREGNANCY OUTCOMES			ESTIMATED PREGNANCY		PREGNANCY OUTCOMES			ESTIMATED PREGNANCY		PREGNANCY OUTCOMES		
	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³
TOTAL	77,424	81.6	57,754	7,381	12,289	48,739	79.6	38,149	2,691	7,899	28,685	85.3	19,605	4,690	4,390
Autauga	807	74.5	607	71	129	568	71.2	446	30	92	238	83.9	161	41	36
Baldwin	2,862	75.5	2,290	104	468	2,425	76.0	1,950	77	398	438	72.7	340	27	71
Barbour	360	94.2	259	45	56	134	83.7	104	8	22	227	101.8	155	37	35
Bibb	325	87.0	250	23	52	260	87.1	205	13	42	65	86.6	45	10	10
Blount	846	82.2	674	34	138	826	83.7	658	33	135	20	47.5	16	1	3
Bullock	165	103.1	121	18	26	41	141.8	29	6	6	124	94.5	92	12	20
Butler	272	74.8	209	19	44	121	76.9	96	5	20	151	73.3	113	14	24
Calhoun	1,694	76.7	1,265	160	269	1,176	74.8	903	84	189	518	81.5	362	76	80
Chambers	488	81.2	359	52	77	258	83.3	201	15	42	230	79.0	158	37	35
Cherokee	293	70.8	233	12	48	272	70.7	216	12	44	20	73.4	17	0	3
Chilton	695	84.7	545	37	113	588	83.3	470	22	96	107	92.9	75	15	17
Choctaw	190	88.6	143	17	30	109	92.5	88	3	18	81	83.9	55	14	12
Clarke	337	77.0	270	12	55	147	70.2	121	2	24	190	83.4	149	10	31
Clay	200	87.5	162	5	33	164	86.7	134	3	27	36	91.1	28	2	6
Cleburne	225	89.9	181	7	37	215	90.7	174	6	35	10	74.2	7	1	2
Coffee	738	76.2	578	40	120	540	76.5	431	21	88	197	75.3	147	19	31
Colbert	818	82.7	632	54	132	657	84.7	523	27	107	161	75.6	109	27	25
Conecuh	166	80.2	131	8	27	89	96.4	73	1	15	77	67.3	58	7	12
Coosa	110	69.3	85	7	18	72	70.4	59	1	12	38	67.4	26	6	6
Covington	502	80.5	401	19	82	414	81.1	333	13	68	88	77.8	68	6	14
Crenshaw	182	73.8	138	15	29	123	71.4	94	9	20	59	79.3	44	6	9
Cullman	1,232	82.3	971	61	200	1,210	84.5	954	59	197	23	34.1	17	2	4
Dale	834	89.1	660	38	136	597	92.3	485	14	98	236	81.7	175	24	37
Dallas	606	82.3	436	75	95	112	71.6	87	7	18	494	85.2	349	68	77
DeKalb	1,037	81.0	823	45	169	993	84.4	789	42	162	44	42.6	34	3	7
Elmore	1,242	74.8	929	116	197	913	76.4	712	53	148	330	70.7	217	63	50
Escambia	555	89.2	435	30	90	338	91.7	275	7	56	217	85.6	160	23	34
Etowah	1,550	82.8	1,191	110	249	1,173	80.7	925	57	191	378	90.0	266	53	59
Fayette	218	79.3	169	14	35	175	73.7	137	10	28	43	115.1	32	4	7
Franklin	545	99.8	433	23	89	506	100.8	408	15	83	39	88.6	25	8	6
Geneva	345	76.9	280	8	57	311	80.9	254	6	51	33	52.8	26	2	5
Greene	138	100.0	89	28	21	20	120.8	16	1	3	117	97.1	73	27	17
Hale	266	96.9	188	37	41	91	96.7	69	7	15	176	97.0	119	30	27

¹ Estimated pregnancy is the sum of abortions, live births and estimated total fetal losses.

² Estimated pregnancy rate is per 1,000 females aged 15-44 years. See pregnancy rate formulas in Appendix B. Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

³ Estimated total fetal loss is equal to two-tenths of live births plus one-tenth of abortions. Estimated total fetal loss should not be confused with fetal death.

TABLE 25 (Continued)
ESTIMATED PREGNANCIES¹, PREGNANCY RATES² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2018

COUNTY	TOTAL					WHITE					BLACK AND OTHER				
	ESTIMATED PREGNANCY		PREGNANCY OUTCOMES			ESTIMATED PREGNANCY		PREGNANCY OUTCOMES			ESTIMATED PREGNANCY		PREGNANCY OUTCOMES		
	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³
TOTAL	77,424	81.6	57,754	7,381	12,289	48,739	79.6	38,149	2,691	7,899	28,685	85.3	19,605	4,690	4,390
Henry	196	68.0	153	11	32	139	69.9	111	5	23	57	63.8	42	6	9
Houston	1,734	86.6	1,368	84	282	1,043	82.0	840	32	171	691	94.6	528	52	111
Jackson	715	79.3	571	27	117	659	80.4	528	23	108	56	68.7	43	4	9
Jefferson	11,992	88.3	8,436	1,699	1,857	5,732	85.8	4,373	440	919	6,261	90.7	4,063	1,259	939
Lamar	220	95.8	177	7	36	181	91.1	151	0	30	39	125.9	26	7	6
Lauderdale	1,230	70.3	926	108	196	1,032	70.2	796	70	166	198	71.2	130	38	30
Lawrence	429	75.4	341	18	70	378	86.7	302	14	62	51	38.5	39	4	8
Lee	2,476	63.4	1,804	283	389	1,611	59.1	1,225	128	258	865	73.2	579	155	131
Limestone	1,334	75.0	1,007	114	213	1,107	77.9	871	56	180	227	63.4	136	58	33
Lowndes	166	93.8	122	18	26	35	98.9	29	0	6	131	92.5	93	18	20
Macon	273	66.7	178	54	41	45	94.4	36	2	7	228	63.0	142	52	34
Madison	5,888	81.4	4,263	702	923	3,606	80.5	2,806	217	583	2,282	82.9	1,457	485	340
Marengo	275	80.3	200	32	43	107	74.6	83	7	17	168	84.3	117	25	26
Marion	399	79.8	319	15	65	377	79.8	303	12	62	23	78.7	16	3	4
Marshall	1,736	102.1	1,383	69	284	1,621	102.4	1,297	59	265	114	98.2	86	10	18
Mobile	7,134	85.9	5,548	433	1,153	3,650	80.5	2,912	141	597	3,484	92.4	2,636	292	556
Monroe	250	66.9	193	17	40	122	66.7	99	3	20	128	67.2	94	14	20
Montgomery	4,498	95.1	3,139	665	694	1,244	95.5	940	105	199	3,255	95.0	2,199	560	496
Morgan	1,881	88.7	1,432	148	301	1,499	89.0	1,170	86	243	383	88.0	262	62	59
Perry	132	70.9	91	21	20	35	63.5	26	3	6	98	74.0	65	18	15
Pickens	293	83.5	221	25	47	149	81.3	115	10	24	144	85.8	106	15	23
Pike	505	62.1	362	64	79	244	55.4	186	19	39	261	70.1	176	45	40
Randolph	322	82.9	252	18	52	260	89.8	206	12	42	62	62.7	46	6	10
Russell	1,106	94.0	785	149	172	550	103.6	418	44	88	556	86.1	367	105	84
St. Clair	1,244	77.4	960	84	200	1,095	78.4	860	57	178	150	71.1	100	27	23
Shelby	2,961	70.1	2,250	237	474	2,352	70.9	1,831	141	380	608	67.0	419	96	93
Sumter	202	71.1	140	31	31	41	57.1	32	2	7	162	75.8	108	29	25
Talladega	1,154	77.0	872	98	184	695	79.3	543	39	113	460	73.8	329	59	72
Tallapoosa	523	77.4	394	46	83	336	77.9	264	17	55	188	76.6	130	29	29
Tuscaloosa	3,567	71.8	2,405	619	543	1,716	57.0	1,258	188	270	1,851	94.5	1,147	431	273
Walker	963	86.6	771	34	158	905	90.6	729	27	149	58	51.3	42	7	9
Washington	226	80.7	184	5	37	163	93.2	134	2	27	63	59.9	50	3	10
Wilcox	176	90.9	130	18	28	29	72.4	22	2	5	147	95.6	108	16	23
Winston	307	79.7	240	18	50	301	81.1	234	18	49	7	51.8	6	0	1

¹ Estimated pregnancy is the sum of abortions, live births and estimated total fetal losses.

² Estimated pregnancy rate is per 1,000 females aged 15-44 years. See pregnancy rate formulas in Appendix B. Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

³ Estimated total fetal loss is equal to two-tenths of live births plus one-tenth of abortions. Estimated total fetal loss should not be confused with fetal death.

TABLE 26
ESTIMATED PREGNANCY RATES¹ BY RACE AND AGE GROUP OF FEMALE
ALABAMA, 2009-2018

AGE GROUP OF FEMALE										
	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
TOTAL										
Total (ages 15-44)	89.8	85.3	83.9	82.2	81.2	82.2	80.6	82.5	82.3	81.6
10 - 19	37.9	32.5	29.6	27.7	24.2	22.5	20.7	20.3	19.2	18.0
10 - 14	1.8	1.3	1.2	1.0	0.8	0.7	0.6	0.6	0.5	0.5
15 - 17	37.2	31.9	29.2	26.1	21.7	20.4	18.4	18.4	16.0	15.3
18 - 19	122.9	105.8	98.9	96.7	85.6	79.6	72.6	70.1	69.0	65.0
20 - 44	76.2	73.6	73.3	72.4	72.9	74.6	73.9	75.7	75.7	75.3
WHITE										
Total (ages 15-44)	86.2	85.0	81.3	79.2	78.7	80.2	79.8	80.8	80.0	79.6
10 - 19	32.1	28.5	24.9	23.6	21.3	20.3	18.6	17.6	17.1	15.6
10 - 14	0.9	0.7	0.6	0.5	0.4	0.4	0.3	0.4	0.3	0.3
15 - 17	29.4	26.3	23.9	21.5	18.5	17.9	15.4	14.9	13.3	11.6
18 - 19	111.1	97.0	86.6	85.5	78.0	73.8	68.1	63.1	63.4	59.1
20 - 44	73.5	73.3	71.2	69.8	70.3	72.3	72.7	73.9	73.2	73.2
BLACK AND OTHER										
Total (ages 15-44)	97.0	85.8	88.9	87.9	86.0	85.9	82.1	85.5	86.4	85.3
10 - 19	48.4	39.0	37.9	35.0	29.4	26.6	24.5	25.2	23.1	22.4
10 - 14	3.5	2.3	2.2	1.8	1.6	1.2	1.0	1.0	0.8	0.8
15 - 17	50.7	40.8	38.3	34.0	27.4	24.8	23.7	24.5	20.7	21.8
18 - 19	143.3	119.8	119.7	116.1	98.8	89.8	80.5	82.3	78.9	75.4
20 - 44	82.1	74.2	77.6	77.6	78.0	79.0	76.0	79.3	80.6	79.3

¹ Rates are per 1,000 females in specified age group.

TABLE 27
ESTIMATED PREGNANCIES, PREGNANCY RATES AND PREGNANCY OUTCOMES BY RACE AND AGE GROUP OF FEMALE
ALABAMA, 2018

	AGE GROUP OF FEMALE						
	TOTAL	10-14	15-17	18-19	10-19	20 AND ABOVE	UNKNOWN
ESTIMATED PREGNANCIES¹	77,424	71	1,429	4,049	5,549	71,870	6
White	48,739	28	695	2,354	3,077	45,660	2
Black and Other	28,685	43	734	1,695	2,472	26,210	3
ESTIMATED PREGNANCY RATES²	81.6	0.5	15.3	65.0	18.0	75.3	--
White	79.6	0.3	11.6	59.1	15.6	73.2	--
Black and Other	85.3	0.8	21.8	75.4	22.4	79.3	--
LIVE BIRTHS	57,754	38	979	2,944	3,961	53,791	2
White	38,149	17	502	1,769	2,288	35,860	1
Black and Other	19,605	21	477	1,175	1,673	17,931	1
ABORTIONS	7,381	23	231	469	723	6,066	3
White	2,691	7	84	210	301	2,389	1
Black and Other	4,690	16	147	259	422	3,677	2
ESTIMATED TOTAL FETAL LOSSES³	12,289	10	219	636	865	11,424	1
White	7,899	4	109	375	488	7,411	0
Black and Other	4,390	6	110.1	260.9	377	4,013	0
FEMALE POPULATION	948,768	152,218	93,418	62,279	307,915	954,276	--
White	612,438	98,242	59,709	39,806	197,757	623,823	--
Black and Other	336,330	53,976	33,709	22,473	110,158	330,453	--

¹ Estimated pregnancy is the sum of abortions, live births and estimated total fetal losses.

² Estimated pregnancy rate is per 1,000 females in specified age group. See pregnancy rate formulas in Appendix B.

³ Estimated total fetal loss is equal to two-tenths of live births plus one-tenth of abortions. Estimated total fetal loss should not be confused with fetal death.

TABLE 28
ESTIMATED TEENAGE PREGNANCIES¹, PREGNANCY RATES² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2018

COUNTY	TOTAL					WHITE					BLACK AND OTHER				
	ESTIMATED PREGNANCY		PREGNANCY OUTCOMES			ESTIMATED PREGNANCY		PREGNANCY OUTCOMES			ESTIMATED PREGNANCY		PREGNANCY OUTCOMES		
	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³
TOTAL	5,549	18.0	3,961	723	865	3,077	15.6	2,288	301	488	2,472	22.4	1,673	422	377
Autauga	51	13.5	34	9	8	32	11.4	23	4	5	19	19.7	11	5	3
Baldwin	197	14.7	147	19	31	142	12.9	108	11	23	56	22.1	39	8	9
Barbour	31	21.5	20	6	5	7	11.2	5	1	1	24	29.7	15	5	4
Bibb	20	16.7	14	3	3	19	20.3	13	3	3	1	4.4	1	0	0
Blount	61	16.2	49	2	10	60	16.9	48	2	10	1	5.4	1	0	0
Bullock	13	24.7	8	3	2	3	35.1	1	2	0	10	22.4	7	1	2
Butler	23	19.7	16	3	4	8	17.0	6	1	1	14	21.8	10	2	2
Calhoun	136	19.1	95	20	21	101	20.4	73	12	16	35	16.0	22	8	5
Chambers	31	16.7	20	6	5	17	17.6	11	3	3	14	15.7	9	3	2
Cherokee	27	18.3	19	4	4	26	19.4	18	4	4	1	8.3	1	0	0
Chilton	70	24.3	55	4	11	67	27.0	53	3	11	4	8.4	2	1	1
Choctaw	17	23.9	13	1	3	12	32.0	10	0	2	5	14.5	3	1	1
Clarke	31	20.5	25	1	5	12	15.6	9	1	2	19	25.5	16	0	3
Clay	17	22.8	14	0	3	16	26.5	13	0	3	1	8.2	1	0	0
Cleburne	17	19.1	13	1	3	17	20.5	13	1	3	0	0.0	0	0	0
Coffee	47	14.5	34	6	7	27	11.4	20	3	4	20	23.0	14	3	3
Colbert	64	20.7	50	4	10	55	22.6	42	4	9	10	14.0	8	0	2
Conecuh	7	10.2	5	1	1	6	21.1	5	0	1	1	2.7	0	1	0
Coosa	6	11.7	5	0	1	2	7.5	2	0	0	4	18.8	3	0	1
Covington	52	24.2	40	4	8	44	25.0	33	4	7	8	20.8	7	0	1
Crenshaw	15	17.6	10	3	2	12	19.7	8	2	2	4	13.1	2	1	1
Cullman	86	17.4	67	5	14	82	17.5	64	5	13	4	15.0	3	0	1
Dale	54	18.6	43	2	9	32	16.7	27	0	5	21	22.5	16	2	3
Dallas	52	19.9	37	7	8	6	11.5	5	0	1	46	22.0	32	7	7
DeKalb	109	22.6	87	4	18	103	23.5	82	4	17	6	13.5	5	0	1
Elmore	80	15.7	52	16	12	54	14.8	35	11	8	26	17.9	17	5	4
Escambia	63	27.9	47	6	10	34	26.3	27	1	6	30	29.9	20	5	5
Etowah	142	23.3	104	16	22	88	18.7	65	9	14	55	38.7	39	7	9
Fayette	19	20.4	15	1	3	17	20.5	13	1	3	2	20.2	2	0	0
Franklin	45	22.4	36	2	7	43	23.1	34	2	7	2	14.2	2	0	0
Geneva	30	18.4	23	2	5	23	16.8	18	1	4	7	27.2	5	1	1
Greene	21	41.1	10	8	3	5	94.0	3	1	1	16	35.3	7	7	2
Hale	29	32.3	18	7	4	9	28.7	6	2	1	20	34.4	12	5	3

¹ Estimated pregnancy is the sum of abortions, live births and estimated total fetal losses.

² Estimated pregnancy rate is per 1,000 females aged 15-19 years. See pregnancy rate formulas in Appendix B. Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

³ Estimated total fetal loss is equal to two-tenths of live births plus one-tenth of abortions. Estimated total fetal loss should not be confused with fetal death.

TABLE 28 (Continued)
ESTIMATED TEENAGE PREGNANCIES¹, PREGNANCY RATES² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2018

COUNTY	TOTAL					WHITE					BLACK AND OTHER				
	ESTIMATED PREGNANCY		PREGNANCY OUTCOMES			ESTIMATED PREGNANCY		PREGNANCY OUTCOMES			ESTIMATED PREGNANCY		PREGNANCY OUTCOMES		
	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³	NUMBER	RATE	LIVE BIRTH	ABORTION	EST. TOTAL FETAL LOSS ³
TOTAL	5,549	18.0	3,961	723	865	3,077	15.6	2,288	301	488	2,472	22.4	1,673	422	377
Henry	10	9.8	8	0	2	5	7.1	4	0	1	5	15.7	4	0	1
Houston	131	20.1	100	10	21	62	15.4	48	4	10	69	27.7	52	6	11
Jackson	44	14.7	33	4	7	39	14.6	30	3	6	5	15.4	3	1	1
Jefferson	741	17.9	498	130	113	219	11.2	150	35	34	522	23.9	348	95	79
Lamar	20	24.4	16	1	3	14	20.0	12	0	2	6	52.7	4	1	1
Lauderdale	97	17.1	70	12	15	74	15.7	53	9	12	24	23.4	17	3	4
Lawrence	41	20.8	32	2	7	38	26.7	30	2	6	2	4.6	2	0	0
Lee	128	11.0	82	27	19	72	9.0	47	14	11	56	15.5	35	13	8
Limestone	83	13.7	61	9	13	68	14.3	51	6	11	15	11.7	10	3	2
Lowndes	14	24.2	9	3	2	0	0.0	0	0	0	14	29.9	9	3	2
Macon	34	25.5	17	12	5	2	20.0	2	0	0	31	26.0	15	12	4
Madison	300	13.0	192	63	45	150	10.5	106	21	23	149	17.3	86	42	21
Marengo	26	22.4	19	3	4	8	17.7	6	1	1	18	25.6	13	2	3
Marion	36	21.5	29	1	6	34	21.4	27	1	6	2	22.4	2	0	0
Marshall	179	28.8	140	10	29	165	29.0	131	7	27	14	26.5	9	3	2
Mobile	508	19.3	385	42	81	211	15.2	162	15	34	297	23.9	223	27	47
Monroe	22	16.6	15	4	3	4	5.0	2	1	1	19	29.0	13	3	3
Montgomery	346	24.1	233	60	53	58	14.8	43	6	9	287	27.5	190	54	43
Morgan	168	22.6	128	13	27	130	22.2	101	8	21	38	24.2	27	5	6
Perry	12	17.3	7	3	2	1	5.7	0	1	0	11	21.9	7	2	2
Pickens	27	26.3	20	3	4	12	22.9	10	0	2	15	29.8	10	3	2
Pike	46	18.7	31	8	7	21	16.3	16	2	3	25	21.3	15	6	4
Randolph	32	23.5	25	2	5	26	26.7	21	1	4	6	15.4	4	1	1
Russell	74	20.9	54	8	12	38	26.3	29	3	6	36	17.2	25	5	6
St. Clair	90	17.2	62	14	14	79	17.7	57	10	12	10	14.3	5	4	1
Shelby	98	6.7	63	20	15	73	6.2	48	14	11	25	8.2	15	6	4
Sumter	14	15.6	7	5	2	4	15.8	2	1	1	10	15.6	5	4	1
Talladega	82	15.9	62	7	13	45	15.1	34	4	7	37	17.1	28	3	6
Tallapoosa	51	22.7	41	2	8	30	20.6	24	1	5	22	26.2	17	1	4
Tuscaloosa	257	17.4	167	51	39	80	8.8	48	20	12	177	31.1	119	31	27
Walker	86	23.4	65	7	14	77	24.0	58	7	12	8	19.3	7	0	1
Washington	24	23.2	19	1	4	12	18.6	10	0	2	12	30.7	9	1	2
Wilcox	19	25.4	14	2	3	2	17.9	2	0	0	17	27.0	12	2	3
Winston	38	28.1	32	0	6	37	28.6	31	0	6	1	17.4	1	0	0

¹ Estimated pregnancy is the sum of abortions, live births and estimated total fetal losses.

² Estimated pregnancy rate is per 1,000 females aged 15-19 years. See pregnancy rate formulas in Appendix B. Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

³ Estimated total fetal loss is equal to two-tenths of live births plus one-tenth of abortions. Estimated total fetal loss should not be confused with fetal death.

TABLE 29
FETAL DEATHS AND FETAL DEATH RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2018

YEAR	TOTAL			WHITE		BLACK AND OTHER	
	ALABAMA		U.S.	ALABAMA		ALABAMA	
	NUMBER	RATE	RATE	NUMBER	RATE	NUMBER	RATE
1970	1,091	16.1	14.2	559	12.3	532	24.1
1971	1,073	16.1	13.4	551	12.5	522	23.2
1972	1,042	16.9	12.7	523	13.0	519	24.0
1973	938	15.8	12.2	463	11.9	475	23.0
1974	886	14.9	11.5	441	11.4	445	21.5
1975	798	13.8	10.7	393	10.5	405	19.9
1976	723	12.5	10.5	345	9.2	378	18.5
1977	780	12.6	9.9	390	9.7	390	18.0
1978	775	12.9	9.7	382	9.9	393	18.3
1979	659	10.5	9.4	339	8.5	320	14.1
1980	723	11.4	9.2	368	9.1	355	15.6
1981	754	12.3	9.0	366	9.2	388	17.8
1982	675	11.2	8.9	352	9.1	323	15.1
1983	658	11.1	8.5	338	8.8	320	15.5
1984	608	10.3	8.2	316	8.3	292	14.0
1985	660	11.1	7.9	317	8.1	343	16.6
1986	690	11.6	7.7	347	9.0	343	16.5
1987	600	10.1	7.7	306	7.9	294	14.2
1988	656	10.8	7.5	330	8.4	326	15.1
1989	628	10.0	7.5	294	7.3	334	14.9
1990	680	10.7	7.5	333	8.1	347	15.5
1991	584	9.3	7.3	282	6.9	302	13.6
1992	639	10.3	7.4	294	7.3	345	15.6
1993	605	9.8	7.2	300	7.5	305	14.0
1994	585	9.6	7.0	268	6.8	317	14.9
1995	572	9.5	7.0	264	6.7	308	14.9
1996	563	9.3	6.9	266	6.6	297	14.6
1997	524	8.6	6.8	266	6.6	258	12.6
1998	591	9.5	6.7	284	6.8	307	14.9
1999	602	9.7	6.7	290	7.0	312	15.3
2000	609	9.6	6.6	266	6.3	343	16.2
2001	574	9.5	6.5	274	6.8	300	15.1
2002	548	9.3	6.4	245	6.1	303	15.9
2003	534	9.0	6.3	250	6.1	284	15.2
2004	549	9.3	6.3	260	6.5	289	15.2
2005	543	9.0	6.2	256	6.3	287	14.8
2006	571	9.1	6.1	269	6.3	302	14.7
2007	585	9.1	6.1	297	6.9	288	13.6
2008	587	9.1	6.2	278	6.5	309	14.4
2009	548	8.8	6.0	250	6.0	298	14.5
2010	562	9.4	6.0	275	6.8	287	14.5
2011	536	9.0	6.1	265	6.7	271	13.9
2012	538	9.2	6.1	257	6.7	281	14.2
2013	534	9.2	6.0	245	6.3	289	14.8
2014	500	8.4	6.0	237	6.0	263	13.1
2015	517	8.7	6.0	249	6.3	268	13.4
2016	569	9.6	6.0	288	7.3	281	14.2
2017	551	9.3	5.9	277	7.2	274	13.6
2018	498	8.6	-- ³	233	6.1	265	13.5

¹ Rate is per 1,000 live births in specified group. See formula in Appendix B. Beginning in 1980, U.S. rates were calculated using slightly different formula.

² Data for 1970-1989 are by race of fetus for fetal deaths and by race of child for live births. Data for 1990-2018 are by race of mother for fetal deaths and live births.

³ Data is not available at this time.

TABLE 30
FETAL DEATHS AND FETAL DEATH RATES¹
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2018

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	498	8.6	233	6.1	265	13.5
Autauga	6	9.9	5	11.2	1	6.2
Baldwin	15	6.6	12	6.2	3	8.8
Barbour	5	19.3	2	19.2	3	19.4
Bibb	3	12.0	2	9.8	1	22.2
Blount	1	1.5	1	1.5	0	0.0
Bullock	2	16.5	0	0.0	2	21.7
Butler	2	9.6	0	0.0	2	17.7
Calhoun	18	14.2	14	15.5	4	11.0
Chambers	1	2.8	0	0.0	1	6.3
Cherokee	1	4.3	1	4.6	0	0.0
Chilton	4	7.3	4	8.5	0	0.0
Choctaw	1	7.0	0	0.0	1	18.2
Clarke	3	11.1	2	16.5	1	6.7
Clay	3	18.5	3	22.4	0	0.0
Cleburne	1	5.5	1	5.7	0	0.0
Coffee	7	12.1	5	11.6	2	13.6
Colbert	3	4.7	1	1.9	2	18.3
Conecuh	2	15.3	1	13.7	1	17.2
Coosa	0	0.0	0	0.0	0	0.0
Covington	3	7.5	3	9.0	0	0.0
Crenshaw	1	7.2	1	10.6	0	0.0
Cullman	10	10.3	10	10.5	0	0.0
Dale	3	4.5	1	2.1	2	11.4
Dallas	2	4.6	0	0.0	2	5.7
DeKalb	5	6.1	5	6.3	0	0.0
Elmore	13	14.0	3	4.2	10	46.1
Escambia	2	4.6	1	3.6	1	6.3
Etowah	17	14.3	11	11.9	6	22.6
Fayette	0	0.0	0	0.0	0	0.0
Franklin	3	6.9	2	4.9	1	40.0
Geneva	1	3.6	0	0.0	1	38.5
Greene	0	0.0	0	0.0	0	0.0
Hale	0	0.0	0	0.0	0	0.0
Henry	1	6.5	1	9.0	0	0.0
Houston	13	9.5	5	6.0	8	15.2
Jackson	3	5.3	3	5.7	0	0.0
Jefferson	67	7.9	21	4.8	46	11.3
Lamar	1	5.6	1	6.6	0	0.0
Lauderdale	12	13.0	9	11.3	3	23.1
Lawrence	3	8.8	2	6.6	1	25.6
Lee	21	11.6	6	4.9	15	25.9
Limestone	6	6.0	5	5.7	1	7.4
Lowndes	2	16.4	0	0.0	2	21.5
Macon	3	16.9	0	0.0	3	21.1
Madison	36	8.4	20	7.1	16	11.0
Marengo	5	25.0	1	12.0	4	34.2
Marion	4	12.5	4	13.2	0	0.0
Marshall	6	4.3	5	3.9	1	11.6
Mobile	48	8.7	14	4.8	34	12.9
Monroe	2	10.4	0	0.0	2	21.3
Montgomery	46	14.7	8	8.5	38	17.3
Morgan	9	6.3	6	5.1	3	11.5
Perry	2	22.0	0	0.0	2	30.8
Pickens	3	13.6	1	8.7	2	18.9
Pike	2	5.5	0	0.0	2	11.4
Randolph	2	7.9	1	4.9	1	21.7
Russell	4	5.1	1	2.4	3	8.2
St. Clair	4	4.2	4	4.7	0	0.0
Shelby	12	5.3	6	3.3	6	14.3
Sumter	2	14.3	0	0.0	2	18.5
Talladega	9	10.3	3	5.5	6	18.2
Tallapoosa	4	10.2	2	7.6	2	15.4
Tuscaloosa	19	7.9	7	5.6	12	10.5
Walker	6	7.8	5	6.9	1	23.8
Washington	1	5.4	1	7.5	0	0.0
Wilcox	2	15.4	0	0.0	2	18.5
Winston	0	0.0	0	0.0	0	0.0

¹ Rate is per 1,000 live births in specified group. See formula in Appendix B. Rates which apply to populations with fewer than 50 births are shaded.

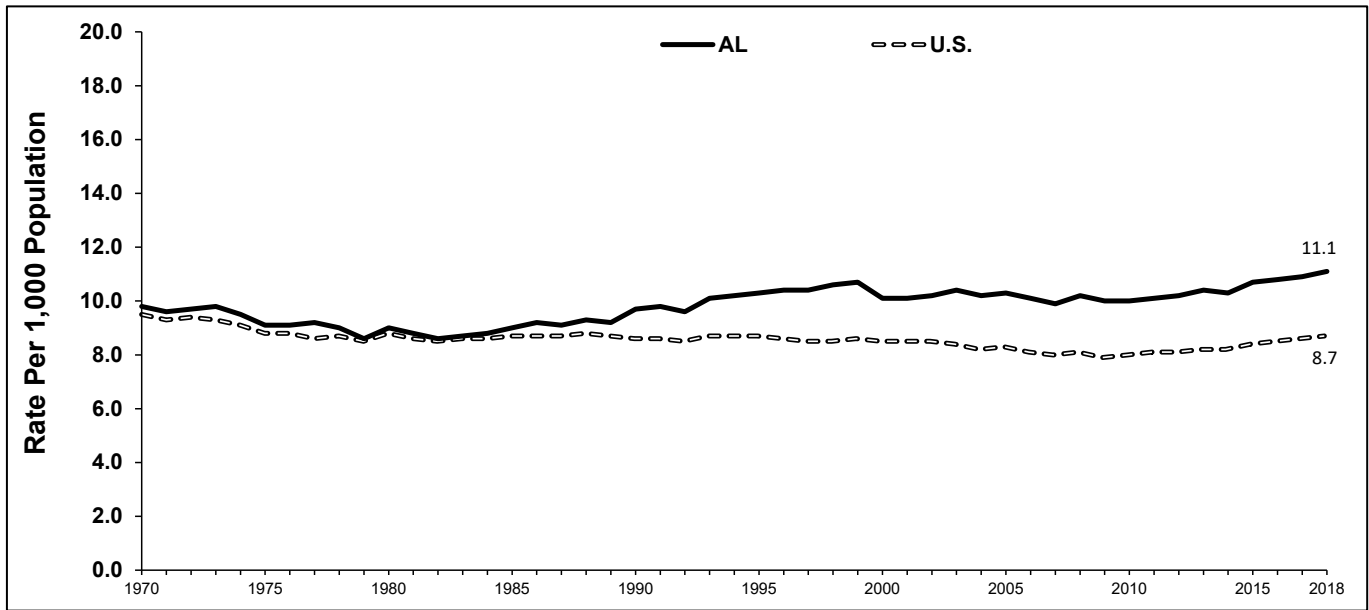
TABLE 31
RESIDENT DEATHS AND DEATH RATES¹ BY RACE
ALABAMA AND UNITED STATES, 1970-2018

YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S.	ALABAMA		U.S.	ALABAMA		U.S.
	NUMBER	RATE	RATE	NUMBER	RATE	RATE	NUMBER	RATE	RATE
1970	33,693	9.8	9.5	23,071	9.1	9.5	10,622	11.7	9.4
1971	33,807	9.6	9.3	23,455	9.1	9.3	10,352	11.3	9.2
1972	34,577	9.7	9.4	24,038	9.3	9.4	10,539	11.5	9.2
1973	35,342	9.8	9.3	24,570	9.2	9.4	10,772	11.3	9.0
1974	34,712	9.5	9.1	24,466	9.1	9.1	10,246	10.7	8.6
1975	33,629	9.1	8.8	23,745	8.7	8.9	9,884	10.2	8.2
1976	34,220	9.1	8.8	23,973	8.7	8.9	10,247	10.4	8.1
1977	34,772	9.2	8.6	24,531	8.8	8.7	10,241	10.3	8.0
1978	34,489	9.0	8.7	24,465	8.7	8.8	10,024	10.0	7.9
1979	33,502	8.6	8.5	23,746	8.3	8.7	9,756	9.6	7.7
1980	35,305	9.0	8.8	24,942	8.6	8.9	10,363	10.1	7.9
1981	35,348	8.8	8.6	25,498	8.6	8.8	9,850	9.4	7.5
1982	34,957	8.6	8.5	25,362	8.5	8.7	9,595	9.1	7.3
1983	35,471	8.7	8.6	25,594	8.4	8.8	9,877	9.3	7.4
1984	36,431	8.8	8.6	26,418	8.6	8.9	10,013	9.4	7.3
1985	37,531	9.0	8.7	27,198	8.8	9.0	10,333	9.6	7.4
1986	37,690	9.2	8.7	27,538	9.1	9.0	10,152	9.4	7.5
1987	37,681	9.1	8.7	27,631	9.0	9.0	10,050	9.2	7.5
1988	39,077	9.3	8.8	28,505	9.2	9.1	10,572	9.6	7.6
1989	38,924	9.2	8.7	28,464	9.1	8.9	10,460	9.3	7.6
1990	39,335	9.7	8.6	28,685	9.6	8.9	10,650	10.0	7.4
1991	40,024	9.8	8.6	29,350	9.8	8.9	10,674	9.9	7.3
1992	39,199	9.6	8.5	28,697	9.6	8.8	10,502	9.8	7.2
1993	41,232	10.1	8.7	30,397	10.1	9.0	10,835	10.1	7.4
1994	41,631	10.2	8.7	30,794	10.2	9.0	10,837	10.0	7.3
1995	42,321	10.3	8.7	31,317	10.3	9.0	11,004	10.1	7.3
1996	42,806	10.4	8.6	31,918	10.5	9.0	10,888	10.0	7.1
1997	43,208	10.4	8.5	32,370	10.6	8.9	10,838	9.9	6.9
1998	43,905	10.6	8.5	32,987	10.8	8.9	10,918	9.9	6.8
1999	44,720	10.7	8.6	33,588	11.0	9.0	11,132	10.0	6.9
2000	44,967	10.1	8.5	33,998	10.7	9.0	10,969	8.5	6.8
2001	45,196	10.1	8.5	34,034	10.7	9.0	11,162	8.5	6.4
2002	46,017	10.2	8.5	34,690	10.9	9.0	11,327	8.5	6.4
2003	46,598	10.4	8.4	35,273	11.0	8.9	11,325	8.8	6.3
2004	46,019	10.2	8.2	34,794	10.8	8.7	11,225	8.7	6.2
2005	46,797	10.3	8.3	35,491	10.9	8.8	11,306	8.7	6.3
2006	46,259	10.1	8.1	35,049	10.7	8.7	11,210	8.5	6.1
2007	45,983	9.9	8.0	34,968	10.6	8.6	11,015	8.2	6.0
2008	47,601	10.2	8.1	36,290	11.0	8.7	11,311	8.4	6.0
2009	47,278	10.0	7.9	36,141	10.8	8.5	11,137	8.1	5.8
2010	47,897	10.0	8.0	36,724	11.2	8.6	11,173	7.4	5.6
2011	48,318	10.1	8.1	37,078	11.0	8.7	11,240	7.8	5.6
2012	49,212	10.2	8.1	37,906	11.2	8.8	11,306	7.8	5.6
2013	50,140	10.4	8.2	38,443	11.4	8.9	11,697	8.0	5.7
2014	50,127	10.3	8.2	38,508	11.4	8.9	11,619	7.9	5.7
2015	51,896	10.7	8.4	39,833	11.8	-- ²	12,063	8.1	-- ²
2016	52,452	10.8	8.5	40,129	11.9	-- ²	12,323	8.3	-- ²
2017	53,240	10.9	8.6	40,802	12.1	-- ²	12,438	8.3	-- ²
2018	54,357	11.1	8.7	41,485	12.3	-- ²	12,872	8.5	-- ²

¹ Rate is per 1,000 population in specified group. See formula in Appendix B.

² U.S. race-specific rates are not comparable to Alabama race-specific rates due to a different tabulation method.

**FIGURE 8. DEATH RATES
ALABAMA AND UNITED STATES, 1970-2018**



**FIGURE 9. DEATH RATES BY RACE
ALABAMA, 1970-2018**

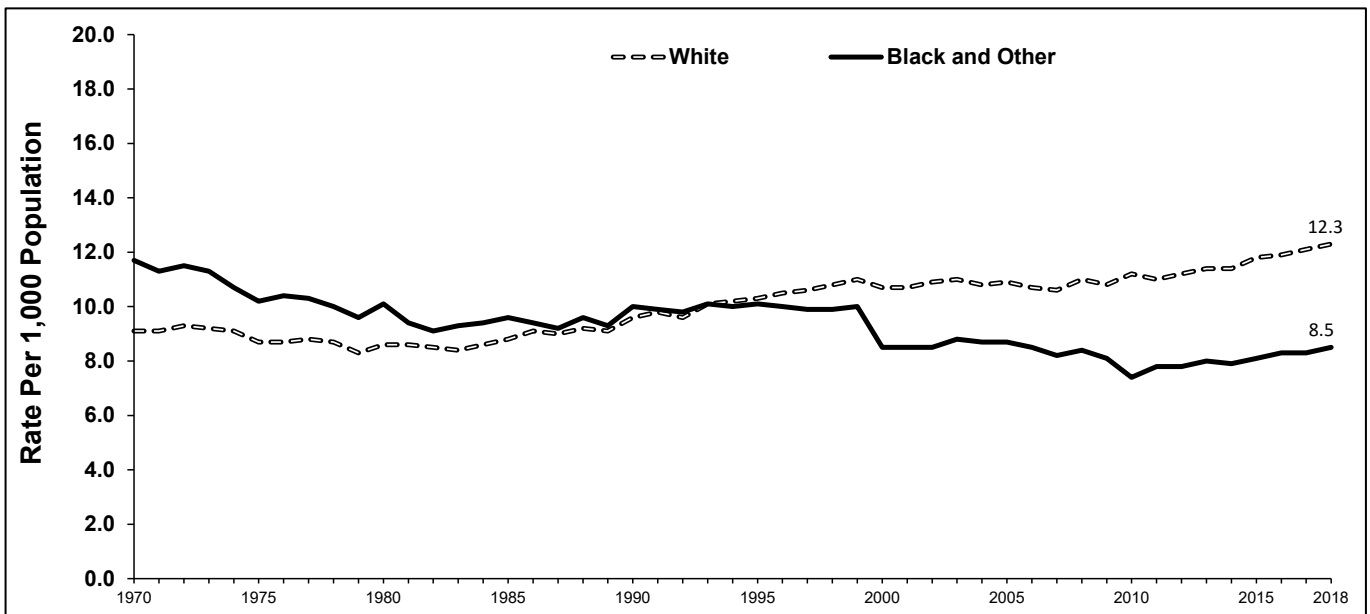


TABLE 32
DEATHS AND DEATH RATES¹ BY COUNTY OF RESIDENCE AND RACE
ALABAMA, 2018

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	54,357	11.1	41,485	12.3	12,872	8.5
Autauga	534	9.6	443	10.4	91	7.0
Baldwin	2,358	10.8	2,196	11.5	162	5.8
Barbour	312	12.5	191	15.6	121	9.5
Bibb	279	12.5	235	13.7	44	8.5
Blount	689	11.9	679	12.2	10	4.2
Bullock	112	11.0	29	10.9	83	11.1
Butler	296	15.0	185	18.0	111	11.8
Calhoun	1,590	13.9	1,337	15.5	253	9.0
Chambers	420	12.5	305	15.9	115	8.0
Cherokee	345	13.3	330	13.6	15	8.3
Chilton	510	11.6	474	12.3	36	6.3
Choctaw	193	15.0	119	16.2	74	13.5
Clarke	317	13.3	175	13.7	142	12.7
Clay	185	13.9	156	14.1	29	13.0
Cleburne	174	11.6	169	11.9	5	6.6
Coffee	593	11.4	492	12.5	101	8.1
Colbert	784	14.3	673	15.2	111	10.4
Conecuh	180	14.7	104	16.4	76	12.8
Coosa	149	13.9	110	15.3	39	11.0
Covington	574	15.5	520	16.6	54	9.4
Crenshaw	178	12.9	146	14.5	32	8.5
Cullman	1,087	13.0	1,073	13.4	14	4.0
Dale	538	11.0	428	11.8	110	8.6
Dallas	566	14.8	209	19.7	357	12.9
DeKalb	845	11.8	831	12.6	14	2.7
Elmore	810	9.9	665	10.8	145	7.2
Escambia	473	12.9	344	15.1	129	9.2
Etowah	1,460	14.2	1,284	15.5	176	8.9
Fayette	235	14.3	202	14.4	33	14.0
Franklin	371	11.8	356	12.4	15	5.7
Geneva	395	15.0	366	15.9	29	8.6
Greene	111	13.5	37	24.4	74	11.0
Hale	170	11.5	88	14.7	82	9.4
Henry	220	12.8	158	12.9	62	12.6
Houston	1,132	10.8	857	11.8	275	8.5
Jackson	707	13.7	679	14.4	28	6.2
Jefferson	7,441	11.3	4,473	12.8	2,968	9.6
Lamar	155	11.2	141	11.7	14	8.0
Lauderdale	1,148	12.4	1,027	12.8	121	10.1
Lawrence	432	13.1	367	14.2	65	9.0
Lee	1,120	6.8	822	7.1	298	6.2
Limestone	891	9.3	784	10.0	107	5.9
Lowndes	141	14.1	39	15.1	102	13.8
Macon	268	14.5	52	16.6	216	14.1
Madison	3,354	9.2	2,708	10.7	646	5.7
Marengo	302	15.8	151	16.9	151	14.9
Marion	423	14.2	410	14.7	13	7.3
Marshall	1,192	12.4	1,172	13.1	20	3.0
Mobile	4,494	10.9	2,925	11.9	1,569	9.3
Monroe	297	14.1	172	14.8	125	13.2
Montgomery	2,103	9.3	1,008	12.4	1,095	7.6
Morgan	1,362	11.4	1,219	12.4	143	7.0
Perry	116	12.7	39	14.0	77	12.1
Pickens	233	11.7	151	13.1	82	9.8
Pike	320	9.6	209	10.9	111	7.8
Randolph	290	12.8	239	13.5	51	10.1
Russell	589	10.2	371	12.9	218	7.5
St. Clair	983	11.1	925	11.9	58	5.3
Shelby	1,551	7.2	1,403	7.9	148	4.0
Sumter	166	13.1	49	15.3	117	12.3
Talladega	1,015	12.7	762	14.8	253	8.9
Tallapoosa	535	13.2	395	13.8	140	11.7
Tuscaloosa	1,849	8.9	1,350	10.0	499	6.7
Walker	1,029	16.2	974	16.8	55	9.5
Washington	189	11.5	135	12.5	54	9.7
Wilcox	170	16.0	62	21.3	108	14.0
Winston	307	13.0	306	13.4	1	1.1

¹ Rate is per 1,000 population in specified group. See formula in Appendix B. Use caution with rates derived from small numbers or based on small populations. Rates which apply to populations under 1,000 are shaded.

**Figure 10. Death Rates by County of Residence
Alabama, 2018**

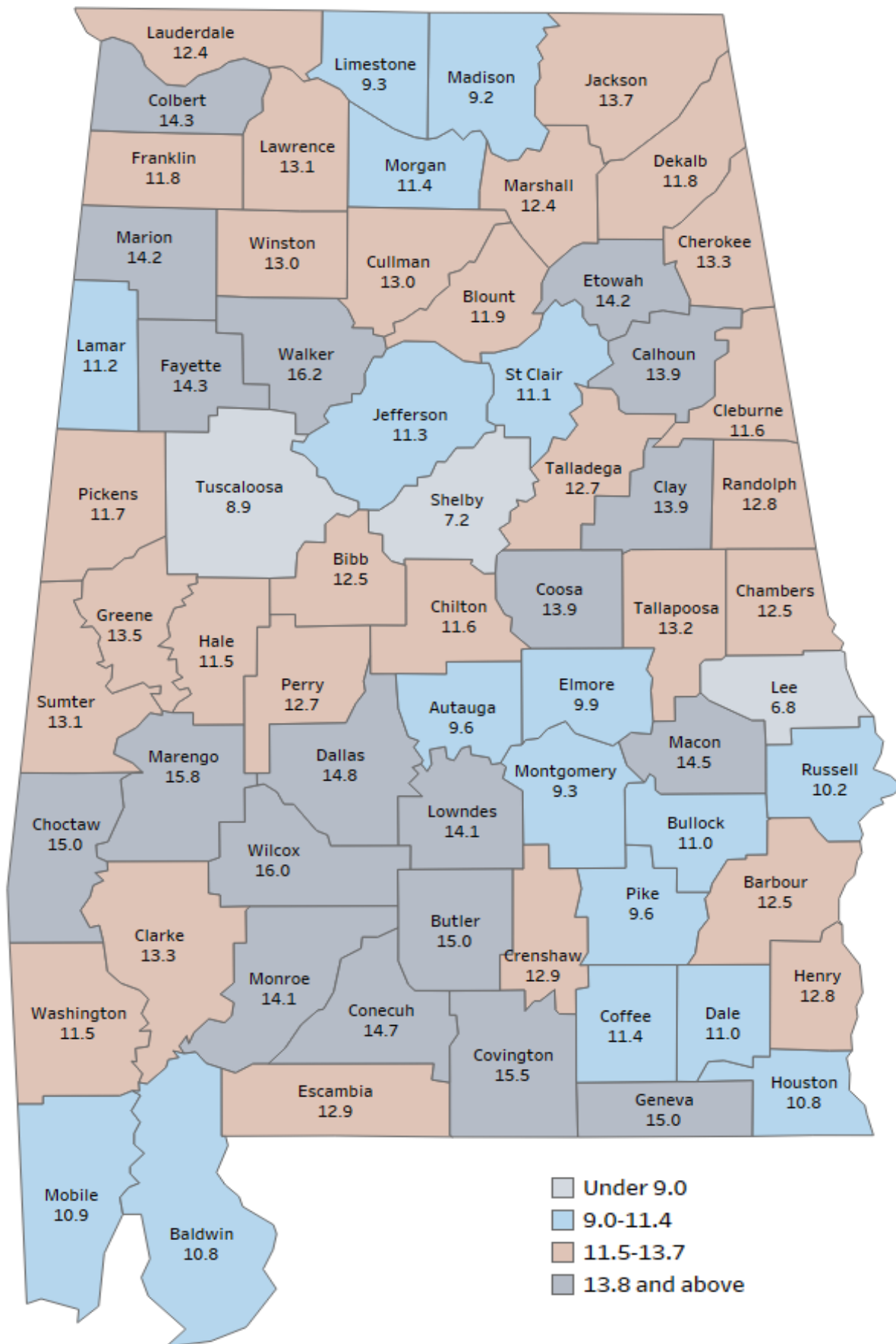


TABLE 33
DEATHS AND DEATH RATES¹ BY COUNTY OF RESIDENCE AND SEX
ALABAMA, 2018

COUNTY	TOTAL		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	54,357	11.1	28,078	11.9	26,279	10.4
Autauga	534	9.6	280	10.4	254	8.9
Baldwin	2,358	10.8	1,240	11.7	1,118	9.9
Barbour	312	12.5	159	12.1	153	13.0
Bibb	279	12.5	143	12.0	136	13.0
Blount	689	11.9	334	11.7	355	12.1
Bullock	112	11.0	64	11.6	48	10.4
Butler	296	15.0	152	16.6	144	13.7
Calhoun	1,590	13.9	781	14.2	809	13.6
Chambers	420	12.5	215	13.4	205	11.7
Cherokee	345	13.3	184	14.3	161	12.3
Chilton	510	11.6	267	12.3	243	10.8
Choctaw	193	15.0	103	17.0	90	13.3
Clarke	317	13.3	153	13.5	164	13.0
Clay	185	13.9	96	14.8	89	13.1
Cleburne	174	11.6	97	13.1	77	10.2
Coffee	593	11.4	295	11.6	298	11.3
Colbert	784	14.3	396	15.1	388	13.6
Conecuh	180	14.7	98	16.7	82	12.8
Coosa	149	13.9	81	15.0	68	12.8
Covington	574	15.5	293	16.4	281	14.7
Crenshaw	178	12.9	89	13.3	89	12.4
Cullman	1,087	13.0	576	14.0	511	12.1
Dale	538	11.0	283	11.8	255	10.2
Dallas	566	14.8	297	16.8	269	13.0
DeKalb	845	11.8	424	12.0	421	11.7
Elmore	810	9.9	418	10.6	392	9.3
Escambia	473	12.9	254	13.6	219	12.1
Etowah	1,460	14.2	748	15.1	712	13.5
Fayette	235	14.3	109	13.6	126	15.0
Franklin	371	11.8	198	12.5	173	11.1
Geneva	395	15.0	207	16.1	188	14.0
Greene	111	13.5	54	13.9	57	13.1
Hale	170	11.5	92	13.1	78	10.1
Henry	220	12.8	110	13.3	110	12.3
Houston	1,132	10.8	584	11.6	548	10.1
Jackson	707	13.7	370	14.6	337	12.8
Jefferson	7,441	11.3	3,809	12.2	3,632	10.4
Lamar	155	11.2	71	10.5	84	11.9
Lauderdale	1,148	12.4	599	13.5	549	11.4
Lawrence	432	13.1	250	15.6	182	10.8
Lee	1,120	6.8	610	7.6	510	6.1
Limestone	891	9.3	465	9.7	426	8.9
Lowndes	141	14.1	90	19.3	51	9.6
Macon	268	14.5	161	19.2	107	10.6
Madison	3,354	9.2	1,706	9.5	1,648	8.8
Marengo	302	15.8	149	16.7	153	15.1
Marion	423	14.2	214	14.6	209	13.9
Marshall	1,192	12.4	605	12.7	587	12.1
Mobile	4,494	10.9	2,289	11.6	2,205	10.2
Monroe	297	14.1	171	17.1	126	11.4
Montgomery	2,103	9.3	1,059	9.9	1,044	8.8
Morgan	1,362	11.4	686	11.7	676	11.2
Perry	116	12.7	61	14.2	55	11.3
Pickens	233	11.7	119	12.0	114	11.4
Pike	320	9.6	167	10.4	153	8.9
Randolph	290	12.8	153	13.8	137	11.7
Russell	589	10.2	311	11.2	278	9.3
St. Clair	983	11.1	552	12.5	431	9.7
Shelby	1,551	7.2	798	7.7	753	6.8
Sumter	166	13.1	86	14.8	80	11.6
Talladega	1,015	12.7	528	13.7	487	11.8
Tallapoosa	535	13.2	294	15.0	241	11.6
Tuscaloosa	1,849	8.9	937	9.3	912	8.4
Walker	1,029	16.2	532	17.1	497	15.2
Washington	189	11.5	109	13.5	80	9.6
Wilcox	170	16.0	100	19.8	70	12.6
Winston	307	13.0	153	13.1	154	12.8

¹ Rate is per 1,000 population. See formula in Appendix B.

TABLE 34
RESIDENT DEATHS AND DEATH RATES¹
BY MONTH OF OCCURRENCE
ALABAMA, 2018

MONTH	TOTAL		WHITE		BLACK AND OTHER	
	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
TOTAL	54,357	11.1	41,485	12.3	12,872	8.5
January	5,703	13.7	4,328	15.1	1,375	10.7
February	4,522	12.1	3,430	13.2	1,092	9.4
March	4,661	11.2	3,560	12.4	1,101	8.6
April	4,407	11.0	3,385	12.2	1,022	8.2
May	4,457	10.7	3,428	11.9	1,029	8.0
June	4,238	10.5	3,212	11.6	1,026	8.3
July	4,359	10.5	3,367	11.7	992	7.7
August	4,276	10.3	3,258	11.3	1,018	7.9
September	4,160	10.4	3,179	11.4	981	7.9
October	4,341	10.5	3,310	11.5	1,031	8.1
November	4,380	10.9	3,308	11.9	1,072	8.6
December	4,853	11.7	3,720	13.0	1,133	8.8

¹ Rate is per 1,000 population in specified group. See formula in Appendix B.

TABLE 35
RESIDENT DEATHS AND DEATH RATES¹ BY SELECTED CAUSES², RACE AND SEX
ALABAMA, 2018

CAUSE OF DEATH	TOTAL		WHITE				BLACK AND OTHER			
	TOTAL	RATE	MALE	RATE	FEMALE	RATE	MALE	RATE	FEMALE	RATE
ALL CAUSES	54,357	1,112.1	21,280	1,283.1	20,205	1,173.7	6,798	963.5	6,074	757.0
Salmonella infections (A01-A02)	2	0.0	0	0.0	0	0.0	1	0.1	1	0.1
Shigellosis and amebiasis (A03, A06)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Certain other intestinal infections (A04, A07-A09)	126	2.6	33	2.0	56	3.3	11	1.6	26	3.2
Tuberculosis (A16-A19)	12	0.2	7	0.4	2	0.1	3	0.4	0	0.0
Respiratory tuberculosis (A16)	7	0.1	3	0.2	1	0.1	3	0.4	0	0.0
Other tuberculosis (A17-A19)	5	0.1	4	0.2	1	0.1	0	0.0	0	0.0
Whooping cough (A37)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Scarlet fever and erysipelas (A38, A46)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal infection (A39)	2	0.0	0	0.0	1	0.1	1	0.1	0	0.0
Septicemia (A40-A41)	1,024	20.9	354	21.3	366	21.3	152	21.5	152	18.9
Syphilis (A50-A53)	1	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Acute poliomyelitis (A80)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Arthropod-borne viral encephalitis (A83-A84, A85.2)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Measles (B05)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Viral hepatitis (B15-B19)	60	1.2	20	1.2	24	1.4	11	1.6	5	0.6
Human immunodeficiency virus (B20-B24)	93	1.9	28	1.7	7	0.4	41	5.8	17	2.1
Malaria (B50-B54)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other and unspecified infectious and parasitic diseases and their sequelae (A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99)	126	2.6	46	2.8	40	2.3	26	3.7	14	1.7
Malignant neoplasms (C00-C97)	10,630	217.5	4,484	270.4	3,689	214.3	1,275	180.7	1,182	147.3
Lip, oral cavity and pharynx (C00-C14)	179	3.7	99	6.0	32	1.9	36	5.1	12	1.5
Esophagus (C15)	235	4.8	157	9.5	34	2.0	25	3.5	19	2.4
Stomach (C16)	176	3.6	64	3.9	46	2.7	36	5.1	30	3.7
Colon, rectum and anus (C18-C21)	953	19.5	384	23.2	301	17.5	136	19.3	132	16.5
Liver and intrahepatic bile ducts (C22)	466	9.5	248	15.0	111	6.4	63	8.9	44	5.5
Pancreas (C25)	774	15.8	283	17.1	276	16.0	122	17.3	93	11.6
Larynx (C32)	81	1.7	47	2.8	13	0.8	19	2.7	2	0.2
Trachea, bronchus and lung (C33-C34)	2,939	60.1	1,370	82.6	1,032	60.0	332	47.1	205	25.6
Skin (C43)	126	2.6	75	4.5	42	2.4	6	0.9	3	0.4
Breast (C50)	739	15.1	6	0.4	517	30.0	2	0.3	214	26.7
Cervix uteri (C53)	101	2.1	... ³	... ³	68	4.0	... ³	... ³	33	4.1
Corpus uteri and uterus, part unspecified (C54-C55)	127	2.6	... ³	... ³	74	4.3	... ³	... ³	53	6.6
Ovary (C56)	237	4.8	... ³	... ³	190	11.0	... ³	... ³	47	5.9
Prostate (C61)	525	10.7	349	21.0	... ³	... ³	176	24.9	... ³	... ³
Kidney and renal pelvis (C64-C65)	252	5.2	120	7.2	82	4.8	30	4.3	20	2.5
Bladder (C67)	293	6.0	172	10.4	72	4.2	33	4.7	16	2.0
Meninges, brain and other parts of central nervous system (C70-C72)	298	6.1	134	8.1	112	6.5	24	3.4	28	3.5
Lymphoid, hematopoietic and related tissue (C81-C96)	918	18.8	425	25.6	301	17.5	97	13.7	95	11.8
Hodgkin's disease (C81)	17	0.3	5	0.3	6	0.3	5	0.7	1	0.1
Non-Hodgkin's lymphoma (C82-C85)	291	6.0	157	9.5	93	5.4	18	2.6	23	2.9
Leukemia (C91-C95)	391	8.0	183	11.0	140	8.1	35	5.0	33	4.1
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	215	4.4	79	4.8	59	3.4	39	5.5	38	4.7
Other and unspecified lymphoid, hematopoietic and related tissue (C96)	4	0.1	1	0.1	3	0.2	0	0.0	0	0.0
All other and unspecified malignant neoplasms (C17,C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66,C68-C69, C73-C80,C97)	1,211	24.8	551	33.2	386	22.4	138	19.6	136	17.0
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	224	4.6	99	6.0	80	4.6	23	3.3	22	2.7
Anemias (D50-D64)	103	2.1	26	1.6	39	2.3	15	2.1	23	2.9
Diabetes mellitus (E10-E14)	1,176	24.1	413	24.9	328	19.1	231	32.7	204	25.4

¹ Total rate is per 1,000 population. Cause-specific rates are per 100,000 population. Use caution with rates based on small numbers.

² See Appendix C.

³ Category not applicable.

TABLE 35 (Continued)
RESIDENT DEATHS AND DEATH RATES¹ BY SELECTED CAUSES², RACE AND SEX
ALABAMA, 2018

CAUSE OF DEATH	TOTAL		WHITE				BLACK AND OTHER			
	TOTAL	RATE	MALE	RATE	FEMALE	RATE	MALE	RATE	FEMALE	RATE
ALL CAUSES	53,240	1,092.2	20,793	1,254.9	20,009	1,165.2	6,592	937.8	5,846	732.9
Nutritional deficiencies (E40–E64)	322	6.6	74	4.46	171	9.9	28	4.0	49	6.1
Malnutrition (E40–E46)	319	6.5	73	4.4	171	9.9	28	4.0	47	5.9
Other nutritional deficiencies (E50–E64)	3	0.1	1	0.1	0	0.0	0	0.0	2	0.2
Meningitis (G00,G03)	14	0.3	4	0.2	4	0.2	2	0.3	4	0.5
Parkinson's disease (G20–G21)	571	11.7	294	17.7	204	11.9	42	6.0	31	3.9
Alzheimer's disease (G30)	2,616	53.5	622	37.5	1,565	90.9	113	16.0	316	39.4
Major cardiovascular diseases (I00–I78)	17,676	361.6	6,926	417.6	6,309	366.5	2,280	323.1	2,161	269.3
Diseases of the heart (I00–I09, I11, I13, I20–I51)	13,473	275.6	5,587	336.9	4,664	270.9	1,703	241.4	1,519	189.3
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	45	0.9	15	0.9	21	1.2	5	0.7	4	0.5
Hypertensive heart disease (I11)	824	16.9	288	17.4	302	17.5	133	18.8	101	12.6
Hypertensive heart and renal disease (I13)	196	4.0	62	3.7	81	4.7	19	2.7	34	4.2
Ischemic heart diseases (I20–I25)	5,109	104.5	2,404	144.9	1,564	90.9	653	92.5	488	60.8
Acute myocardial infarction (I21–I22)	1,634	33.4	786	47.4	479	27.8	196	27.8	173	21.6
Other acute ischemic heart diseases (I24)	39	0.8	20	1.2	15	0.9	3	0.4	1	0.1
Other forms of chronic ischemic heart disease (I20, I25)	3,436	70.3	1,598	96.4	1,070	62.2	454	64.3	314	39.1
Atherosclerotic cardiovascular disease, so described (I25.0)	888	18.2	392	23.6	277	16.1	140	19.8	79	9.8
All other forms of chronic ischemic heart disease (I20,I25.1–I25.9)	2,548	52.1	1,206	72.7	793	46.1	314	44.5	235	29.3
Other heart diseases (I26–I51)	7,299	149.3	2,818	169.9	2,696	156.6	893	126.6	892	111.2
Acute and subacute endocarditis (I33)	20	0.4	8	0.5	8	0.5	2	0.3	2	0.2
Diseases of pericardium and acute myocarditis (I30–I31, I40)	16	0.3	6	0.4	4	0.2	3	0.4	3	0.4
Heart failure (I50)	2,531	51.8	929	56.0	1,082	62.9	228	32.3	292	36.4
All other forms of heart disease (I26–I28, I34–I38, I42–I49, I51)	4,732	96.8	1,875	113.1	1,602	93.1	660	93.5	595	74.2
Essential (primary) hypertension and hypertensive renal disease (I10, I12, I15)	563	11.5	168	10.1	189	11.0	100	14.2	106	13.2
Cerebrovascular diseases (I60–I69)	3,088	63.2	953	57.5	1,262	73.3	412	58.4	461	57.5
Atherosclerosis (I70)	115	2.4	36	2.2	45	2.6	20	2.8	14	1.7
Other diseases of circulatory system (I71–I78)	284	5.8	123	7.4	90	5.2	32	4.5	39	4.9
Aortic aneurysm and dissection (I71)	149	3.0	70	4.2	40	2.3	18	2.6	21	2.6
Other diseases of arteries, arterioles and capillaries (I72–I78)	135	2.8	53	3.2	50	2.9	14	2.0	18	2.2
Other disorders of circulatory system (I80–I99)	153	3.1	59	3.6	59	3.4	13	1.8	22	2.7
Influenza and pneumonia (J09–J18)	1,269	26.0	480	28.9	534	31.0	141	20.0	114	14.2
Influenza (J09–J11)	183	3.7	70	4.2	78	4.5	17	2.4	18	2.2
Pneumonia (J12–J18)	1,086	22.2	410	24.7	456	26.5	124	17.6	96	12.0
Other acute lower respiratory infections (J20–J22, U04)	7	0.1	2	0.1	2	0.1	2	0.3	1	0.1
Acute bronchitis and bronchiolitis (J20–J21)	7	0.1	2	0.1	2	0.1	2	0.3	1	0.1
Unspecified acute lower respiratory infection (J22, U04)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic lower respiratory diseases (J40–J47)	3,595	73.5	1,544	93.1	1,627	94.5	230	32.6	194	24.2
Bronchitis, chronic and unspecified (J40–J42)	23	0.5	11	0.7	9	0.5	2	0.3	1	0.1
Emphysema (J43)	109	2.2	54	3.3	43	2.5	9	1.3	3	0.4
Asthma (J45–J46)	61	1.2	11	0.7	16	0.9	11	1.6	23	2.9
Other chronic lower respiratory diseases (J44, J47)	3,402	69.6	1,468	88.5	1,559	90.6	208	29.5	167	20.8
Pneumoconiosis and chemical effects (J60–J66, J68)	13	0.3	9	0.5	0	0.0	3	0.4	1	0.1
Pneumonitis due to solids and liquids (J69)	349	7.1	161	9.7	116	6.7	38	5.4	34	4.2
Other diseases of the respiratory system (J00–J06, J30–J39, J67, J70–J98)	963	19.7	390	23.5	400	23.2	91	12.9	82	10.2
Peptic ulcer (K25–K28)	45	0.9	14	0.8	21	1.2	7	1.0	3	0.4
Diseases of the appendix (K35–K38)	6	0.1	2	0.1	2	0.1	1	0.1	1	0.1
Hernia (K40–K46)	29	0.6	10	0.6	14	0.8	3	0.4	2	0.2
Chronic liver disease and cirrhosis (K70, K73–K74)	760	15.5	406	24.5	244	14.2	75	10.6	35	4.4
Alcoholic liver disease (K70)	260	5.3	163	9.8	52	3.0	29	4.1	16	2.0
Other chronic liver disease and cirrhosis (K73–K74)	500	10.2	243	14.7	192	11.2	46	6.5	19	2.4

¹ Total rate is per 1,000 population. Cause-specific rates are per 100,000 population. Use caution with rates based on small numbers.

² See Appendix C.

TABLE 35 (Continued)
RESIDENT DEATHS AND DEATH RATES¹ BY SELECTED CAUSES², RACE AND SEX
ALABAMA, 2018

CAUSE OF DEATH	TOTAL		WHITE				BLACK AND OTHER			
	TOTAL	RATE	MALE	RATE	FEMALE	RATE	MALE	RATE	FEMALE	RATE
ALL CAUSES	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cholelithiasis and other gallbladder disorders (K80–K82)	61	1.2	29	1.7	18	1.0	8	1.1	6	0.7
Nephritis, nephrotic syndrome and nephrosis (N00–N07, N17–N19, N25–N27)	1,037	21.2	382	23.0	318	18.5	154	21.8	183	22.8
Acute and rapidly progressive nephritic and nephrotic syndrome (N00–N01, N04)	10	0.2	5	0.3	1	0.1	2	0.3	2	0.2
Chronic glomerulonephritis nephritis and nephritis not specified as acute and renal sclerosis (N02–N03, N05–N07, N26)	1	0.0	0	0.0	1	0.1	0	0.0	0	0.0
Renal failure (N17–N19)	1,026	21.0	377	22.7	316	18.4	152	21.5	181	22.6
Other disorders of kidney (N25, N27)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Infections of kidney (N10–N12, N13.6, N15.1)	9	0.2	1	0.1	5	0.3	2	0.3	1	0.1
Hyperplasia of prostate (N40)	6	0.1	4	0.2	0	0.0	2	0.3	0	0.0
Inflammatory diseases of female pelvic organs (N70–N76)	5	0.1	0	0.0	2	0.1	0	0.0	3	0.4
Pregnancy, childbirth and the puerperium (O00–O99)	39	0.8	0	0.0	20	1.2	0	0.0	19	2.4
Pregnancy with abortive outcome (O00–O07)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other complications of pregnancy, childbirth and the puerperium (O10–O99)	39	0.8	0	0.0	20	1.2	0	0.0	19	2.4
Certain conditions originating in the perinatal period (P00–P96)	192	3.9	56	3.4	30	1.7	58	8.2	48	6.0
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	159	3.3	57	3.4	47	2.7	34	4.8	21	2.6
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	977	20.0	317	19.1	340	19.8	163	23.1	157	19.6
All other diseases (Residual)	5,826	119.2	1,973	119.0	2,545	147.8	602	85.3	706	88.0
Accidents (V01–X59, Y85–Y86)	2,682	54.9	1,259	75.9	767	44.6	481	68.2	175	21.8
Transport accidents (V01–V99, Y85)	1,091	22.3	513	30.9	246	14.3	247	35.0	85	10.6
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)	1,062	21.7	496	29.9	239	13.9	242	34.3	85	10.6
Other land transport (V01, V05–V06, V09.1, V09.3–V09.9, V10–V11, V15–V18, V19.3, V19.8–V19.9, V80.0–V80.2, V80.6–V80.9, V81.2–V81.9, V82.2–V82.9, V87.9, V88.9, V89.1, V89.3, V89.9)	13	0.3	4	0.2	5	0.3	4	0.6	0	0.0
Water, air, space and other and unspecified transport accidents and their sequelae (V90–V99, Y85)	16	0.3	13	0.8	2	0.1	1	0.1	0	0.0
Nontransport accidents (W00–X59, Y86)	1,591	32.5	746	45.0	521	30.3	234	33.2	90	11.2
Falls (W00–W19)	264	5.4	137	8.3	99	5.8	20	2.8	8	1.0
Accidental discharge of firearms (W32–W34)	25	0.5	13	0.8	2	0.1	10	1.4	0	0.0
Accidental drowning and submersion (W65–W74)	67	1.4	26	1.6	13	0.8	25	3.5	3	0.4
Accidental exposure to smoke, fire and flames (X00–X09)	82	1.7	37	2.2	23	1.3	15	2.1	7	0.9
Accidental poisoning and exposure to noxious substances (X40–X49)	741	15.2	361	21.8	243	14.1	100	14.2	37	4.6
Other and unspecified nontransport accidents and their sequelae (W20–W31, W35–W64, W75–W99, X10–X39, X50–X59, Y86)	412	8.4	172	10.4	141	8.2	64	9.1	35	4.4
Intentional self-harm (suicide) (*U03, X60–X84, Y87.0)	823	16.8	561	33.8	160	9.3	81	11.5	21	2.6
Suicide by discharge of firearms (X72–X74)	552	11.3	400	24.1	85	4.9	58	8.2	9	1.1
Suicide by other and unspecified means and their sequelae (*U03, X60–X71, X75–X84, Y87.0)	271	5.5	161	9.7	75	4.4	23	3.3	12	1.5
Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	567	11.6	125	7.5	60	3.5	333	47.2	49	6.1
Homicide by discharge of firearms (*U01.4, X93–X95)	467	9.6	95	5.7	36	2.1	298	42.2	38	4.7
Homicide by other and unspecified means and their sequelae (*U01.0–*U01.3, *U01.5–*U01.9, *U02, X85–X92, X96–Y09, Y87.1)	100	2.0	30	1.8	24	1.4	35	5.0	11	1.4
Legal intervention (Y35, Y89.0)	7	0.1	4	0.2	0	0.0	3	0.4	0	0.0
Events of undetermined intent (Y10–Y34, Y87.2, Y89.9)	75	1.5	30	1.8	22	1.3	20	2.8	3	0.4
Discharge of firearms, undetermined intent (Y22–Y24)	15	0.3	8	0.5	4	0.2	3	0.4	0	0.0
Other and unspecified events of undetermined intent and their sequelae (Y10–Y21, Y25–Y34, Y87.2, Y89.9)	60	1.2	22	1.3	18	1.0	17	2.4	3	0.4
Operations of war and their sequelae (Y36, Y89.1)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of medical and surgical care (Y40–Y84, Y88)	73	1.5	30	1.8	25	1.5	11	1.6	7	0.9

¹ Total rate is per 1,000 population. Cause-specific rates are per 100,000 population. Use caution with rates based on small numbers.

² See Appendix C.

An asterisk (*) preceding a cause-of-death code indicates that the code is not included in the *International Classification of Diseases, 10th Revision* (ICD-10).

TABLE 36
LEADING CAUSES OF DEATH, DEATH PERCENTAGES AND DEATH RATES¹ BY RACE AND SEX
ALABAMA, 2018

CAUSE OF DEATH		NUMBER	PERCENT	RATE
RANK	TOTAL	54,357	100.0	1,112.1
1	Diseases of heart	13,473	24.8	275.6
2	Malignant neoplasms	10,630	19.6	217.5
3	Chronic lower respiratory diseases	3,595	6.6	73.5
4	Cerebrovascular diseases	3,088	5.7	63.2
5	Accidents (unintentional injuries)	2,682	4.9	54.9
6	Alzheimer's disease	2,616	4.8	53.5
7	Influenza and pneumonia	1,269	2.3	26.0
8	Diabetes mellitus	1,176	2.2	24.1
9	Nephritis, nephrotic syndrome and nephrosis	1,037	1.9	21.2
10	Septicemia	1,024	1.9	20.9
11	Intentional self-harm (suicide)	823	1.5	16.8
12	Chronic liver disease and cirrhosis	760	1.4	15.5
13	Parkinson's disease	571	1.1	11.7
14	Assault (homicide)	567	1.0	11.6
15	Essential (primary) hypertension and hypertensive renal disease	563	1.0	11.5
	All other causes	10,483	19.3	--
RANK	WHITE	41,485	100.0	1,227.4
1	Diseases of heart	10,251	24.7	303.3
2	Malignant neoplasms	8,173	19.7	241.8
3	Chronic lower respiratory diseases	3,171	7.6	93.8
4	Cerebrovascular diseases	2,215	5.3	65.5
5	Alzheimer's disease	2,187	5.3	64.7
6	Accidents (unintentional injuries)	2,026	4.9	59.9
7	Influenza and pneumonia	1,014	2.4	30.0
8	Diabetes mellitus	741	1.8	21.9
9	Intentional self-harm (suicide)	721	1.7	21.3
10	Septicemia	720	1.7	21.3
11	Nephritis, nephrotic syndrome and nephrosis	700	1.7	20.7
12	Chronic liver disease and cirrhosis	650	1.6	19.2
13	Parkinson's disease	498	1.2	14.7
14	Essential (primary) hypertension and hypertensive renal disease	357	0.9	10.6
15	Pneumonitis due to solids and liquids	277	0.7	8.2
	All other causes	7,784	18.8	--
RANK	WHITE MALE	21,280	100.0	1,283.1
1	Diseases of heart	5,587	26.3	336.9
2	Malignant neoplasms	4,484	21.1	270.4
3	Chronic lower respiratory diseases	1,544	7.3	93.1
4	Accidents (unintentional injuries)	1,259	5.9	75.9
5	Cerebrovascular diseases	953	4.5	57.5
6	Alzheimer's disease	622	2.9	37.5
7	Intentional self-harm (suicide)	561	2.6	33.8
8	Influenza and pneumonia	480	2.3	28.9
9	Diabetes mellitus	413	1.9	24.9
10	Chronic liver disease and cirrhosis	406	1.9	24.5
11	Nephritis, nephrotic syndrome and nephrosis	382	1.8	23.0
12	Septicemia	354	1.7	21.3
13	Parkinson's disease	294	1.4	17.7
14	Essential (primary) hypertension and hypertensive renal disease	168	0.8	10.1
15	Pneumonitis due to solids and liquids	161	0.8	9.7
	All other causes	3,612	17.0	--
RANK	WHITE FEMALE	20,205	100.0	1,173.7
1	Diseases of heart	4,664	23.1	270.9
2	Malignant neoplasms	3,689	18.3	214.3
3	Chronic lower respiratory diseases	1,627	8.1	94.5
4	Alzheimer's disease	1,565	7.7	90.9
5	Cerebrovascular diseases	1,262	6.2	73.3
6	Accidents (unintentional injuries)	767	3.8	44.6
7	Influenza and pneumonia	534	2.6	31.0
8	Septicemia	366	1.8	21.3
9	Diabetes mellitus	328	1.6	19.1
10	Nephritis, nephrotic syndrome and nephrosis	318	1.6	18.5
11	Chronic liver disease and cirrhosis	244	1.2	14.2
12	Parkinson's disease	204	1.0	11.9
13	Essential (primary) hypertension and hypertensive renal disease	189	0.9	11.0
14	Malnutrition	171	0.8	9.9
15	Intentional self-harm (suicide)	160	0.8	9.3
	All other causes	4,117	20.4	--

¹ Rates are per 100,000 population in specified group. See formula in Appendix B.

TABLE 36 (Continued)
LEADING CAUSES OF DEATH, DEATH PERCENTAGES AND DEATH RATES¹ BY RACE AND SEX
ALABAMA, 2018

CAUSE OF DEATH		NUMBER	PERCENT	RATE
RANK	BLACK AND OTHER	12,872	100.0	853.6
1	Diseases of heart	3,222	25.0	213.7
2	Malignant neoplasms	2,457	19.1	162.9
3	Cerebrovascular diseases	873	6.8	57.9
4	Accidents (unintentional injuries)	656	5.1	43.5
5	Diabetes mellitus	435	3.4	28.8
6	Alzheimer's disease	429	3.3	28.4
7	Chronic lower respiratory diseases	424	3.3	28.1
8	Assault (homicide)	382	3.0	25.3
9	Nephritis, nephrotic syndrome and nephrosis	337	2.6	22.3
10	Septicemia	304	2.4	20.2
11	Influenza and pneumonia	255	2.0	16.9
12	Essential (primary) hypertension and hypertensive renal disease	206	1.6	13.7
13	Chronic liver disease and cirrhosis	110	0.9	7.3
14	Certain conditions originating in the perinatal period	106	0.8	7.0
15	Intentional self-harm (suicide)	102	0.8	6.8
	All other causes	2,574	20.0	--
RANK	BLACK AND OTHER MALE	6,798	100.0	963.5
1	Diseases of heart	1,703	25.1	241.4
2	Malignant neoplasms	1,275	18.8	180.7
3	Accidents (unintentional injuries)	481	7.1	68.2
4	Cerebrovascular diseases	412	6.1	58.4
5	Assault (homicide)	333	4.9	47.2
6	Diabetes mellitus	231	3.4	32.7
7	Chronic lower respiratory diseases	230	3.4	32.6
8	Nephritis, nephrotic syndrome and nephrosis	154	2.3	21.8
9	Septicemia	152	2.2	21.5
10	Influenza and pneumonia	141	2.1	20.0
10	Alzheimer's disease	113	1.7	16.0
12	Essential (primary) hypertension and hypertensive renal disease	100	1.5	14.2
13	Intentional self-harm (suicide)	81	1.2	11.5
14	Chronic liver disease and cirrhosis	75	1.1	10.6
15	Certain conditions originating in the perinatal period	58	0.9	8.2
	All other causes	1,259	18.5	--
RANK	BLACK AND OTHER FEMALE	6,074	100.0	757.0
1	Diseases of heart	1,519	25.0	189.3
2	Malignant neoplasms	1,182	19.5	147.3
3	Cerebrovascular diseases	461	7.6	57.5
4	Alzheimer's disease	316	5.2	39.4
5	Diabetes mellitus	204	3.4	25.4
6	Chronic lower respiratory diseases	194	3.2	24.2
7	Nephritis, nephrotic syndrome and nephrosis	183	3.0	22.8
8	Accidents (unintentional injuries)	175	2.9	21.8
9	Septicemia	152	2.5	18.9
10	Influenza and pneumonia	114	1.9	14.2
11	Essential (primary) hypertension and hypertensive renal disease	106	1.7	13.2
12	Assault (homicide)	49	0.8	6.1
13	Malnutrition	49	0.8	6.1
14	Certain conditions originating in the perinatal period	48	0.8	6.0
15	Chronic liver disease and cirrhosis	35	0.6	4.4
	All other causes	1,287	21.2	--

¹ Rates are per 100,000 population in specified group. See formula in Appendix B.

TABLE 37
LEADING CAUSES OF DEATH¹ AND DEATH RATES² BY RACE AND AGE GROUP
ALABAMA, 2018

AGE GROUP AND CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
UNDER 1 YEAR	405	690.6	196	527.8	209	971.7
Congenital malformations, deformations and chromosomal abnormalities	78	133.0	30	80.8	48	223.2
Disorders related to short gestation and low birth weight, not elsewhere classified	22	37.5	13	35.0	9	41.8
Bacterial sepsis of newborn	22	37.5	13	35.0	9	41.8
Sudden infant death syndrome (SIDS)	13	22.2	3	8.1	10	46.5
Accidents (unintentional injuries)	13	22.2	8	21.5	5	23.2
1-4 YEARS	89	37.9	49	33.0	40	46.5
Accidents (unintentional injuries)	35	14.9	20	13.5	15	17.4
Assault (homicide)	10	4.3	3	2.0	7	8.1
Congenital malformations, deformations and chromosomal abnormalities	7	3.0	3	2.0	4	4.6
Malignant neoplasms	7	3.0	4	2.7	3	3.5
5-14 YEARS	107	17.6	56	14.3	51	23.7
Accidents (unintentional injuries)	36	5.9	20	5.1	16	7.4
Malignant neoplasms	11	1.8	6	1.5	5	2.3
Intentional self-harm (suicide)	9	1.5	5	1.3	4	1.9
Assault (homicide)	7	1.2	6	1.5	1	0.5
Congenital malformations, deformations and chromosomal abnormalities	5	0.8	5	1.3	0	0.0
Chronic lower respiratory diseases	4	0.7	0	0.0	4	1.9
15-19 YEARS	238	75.4	131	64.4	107	95.4
Accidents (unintentional injuries)	90	28.5	55	27.0	35	31.2
Assault (homicide)	50	15.8	9	4.4	41	36.5
Intentional self-harm (suicide)	43	13.6	37	18.2	6	5.3
Diseases of heart	14	4.4	8	3.9	6	5.3
Malignant neoplasms	6	1.9	4	2.0	2	1.8
20-24 YEARS	433	133.1	245	118.3	188	159.2
Accidents (unintentional injuries)	164	50.4	119	57.4	45	38.1
Assault (homicide)	93	28.6	16	7.7	77	65.2
Intentional self-harm (suicide)	66	20.3	53	25.6	13	11.0
Diseases of heart	17	5.2	9	4.3	8	6.8
Malignant neoplasms	10	3.1	6	2.9	4	3.4
25-34 YEARS	1,148	178.4	684	162.2	464	209.2
Accidents (unintentional injuries)	397	61.7	282	66.9	115	51.9
Assault (homicide)	154	23.9	31	7.4	123	55.5
Intentional self-harm (suicide)	148	23.0	115	27.3	33	14.9
Diseases of heart	107	16.6	61	14.5	46	20.7
Malignant neoplasms	77	12.0	50	11.9	27	12.2

¹ See Appendix C for the ICD-10 codes that correspond to causes of death.

² Rate is per 100,000 population in specified group. Use caution with rates based on small populations.

TABLE 37 (Continued)
LEADING CAUSES OF DEATH¹ AND DEATH RATES² BY RACE AND AGE GROUP
ALABAMA, 2018

AGE GROUP AND CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
35-44 YEARS	1,822	307.6	1,162	289.0	660	347.0
Accidents (unintentional injuries)	418	70.6	310	77.1	108	56.8
Diseases of heart	324	54.7	191	47.5	133	69.9
Malignant neoplasms	191	32.2	121	30.1	70	36.8
Intentional self-harm (suicide)	151	25.5	135	33.6	16	8.4
Assault (homicide)	99	16.7	26	6.5	73	38.4
45-54 YEARS	3,597	573.3	2,456	550.4	1,141	629.5
Diseases of heart	886	141.2	575	128.9	311	171.6
Malignant neoplasms	728	116.0	510	114.3	218	120.3
Accidents (unintentional injuries)	380	60.6	283	63.4	97	53.5
Chronic liver disease and cirrhosis	152	24.2	123	27.6	29	16.0
Cerebrovascular diseases	121	19.3	56	12.6	65	35.9
55-64 YEARS	8,096	1,235.7	5,666	1,196.8	2,430	1,337.0
Malignant neoplasms	2,222	339.1	1,595	336.9	627	345.0
Diseases of heart	1,952	297.9	1,344	283.9	608	334.5
Chronic lower respiratory diseases	499	76.2	410	86.6	89	49.0
Accidents (unintentional injuries)	384	58.6	285	60.2	99	54.5
Cerebrovascular diseases	354	54.0	191	40.3	163	89.7
65-74 YEARS	11,582	2,374.7	8,685	2,325.3	2,897	2,536.4
Malignant neoplasms	3,203	656.7	2,461	658.9	742	649.6
Diseases of heart	2,772	568.4	1,976	529.0	796	696.9
Chronic lower respiratory diseases	1,004	205.9	894	239.4	110	96.3
Cerebrovascular diseases	608	124.7	408	109.2	200	175.1
Diabetes mellitus	318	65.2	184	49.3	134	117.3
75-84 YEARS	13,569	5,442.7	11,071	5,489.1	2,498	5,245.8
Diseases of heart	3,431	1,376.2	2,758	1,367.5	673	1,413.3
Malignant neoplasms	2,844	1,140.8	2,332	1,156.2	512	1,075.2
Chronic lower respiratory diseases	1,187	476.1	1,065	528.0	122	256.2
Cerebrovascular diseases	886	355.4	684	339.1	202	424.2
Alzheimer's disease	850	340.9	720	357.0	130	273.0
85+ YEARS	13,271	14,767.7	11,084	15,381.6	2,187	12,283.1
Diseases of heart	3,957	4,403.3	3,320	4,607.3	637	3,577.6
Alzheimer's disease	1,528	1,700.3	1,291	1,791.6	237	1,331.1
Malignant neoplasms	1,330	1,480.0	1,084	1,504.3	246	1,381.6
Cerebrovascular diseases	1,039	1,156.2	840	1,165.7	199	1,117.7
Chronic lower respiratory diseases	762	847.9	692	960.3	70	393.1

¹ See Appendix C for the ICD-10 codes that correspond to causes of death.

² Rate is per 100,000 population in specified group. Use caution with rates based on small populations.

TABLE 38
SELECTED CAUSES OF DEATH BY AGE GROUP
ALABAMA, 2018

CAUSE OF DEATH	AGE GROUP											
	TOTAL	UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL	54,357	405	89	107	671	1,148	1,822	3,597	8,096	11,582	13,569	13,271
Diseases of heart	13,473	6	3	4	31	107	324	886	1,952	2,772	3,431	3,957
Malignant neoplasms	10,630	1	7	11	16	77	191	728	2,222	3,203	2,844	1,330
Chronic lower respiratory diseases	3,595	0	0	4	3	4	24	108	499	1,004	1,187	762
Cerebrovascular diseases	3,088	7	1	1	6	9	56	121	354	608	886	1,039
Accidents (unintentional injuries)	2,682	13	35	36	254	397	418	380	384	275	260	230
Alzheimer's disease	2,616	0	0	0	0	0	0	2	29	207	850	1,528
Influenza and pneumonia	1,269	2	3	2	4	15	35	83	172	229	338	386
Diabetes mellitus	1,176	0	0	1	6	11	55	112	258	318	244	171
Nephritis, nephrotic syndrome and nephrosis	1,037	1	0	1	1	11	31	53	131	237	296	275
Septicemia	1,024	6	1	0	1	15	29	88	193	278	262	151
Intentional self-harm (suicide)	823	0	0	9	109	148	151	121	135	90	36	24
Chronic liver disease and cirrhosis	760	0	0	0	0	13	40	152	234	204	98	19
Parkinson's disease	571	0	0	0	0	0	0	0	21	100	254	196
Assault (homicide)	567	7	10	7	143	154	99	66	51	18	9	3
Essential hypertension and hypertensive renal disease	563	0	0	0	1	2	23	44	92	107	141	153
Pneumonitis due to solids and liquids	349	1	0	0	2	1	9	8	41	60	104	123
In situ, benign, or uncertain neoplasms	224	0	0	2	1	3	2	9	21	54	60	72
Certain conditions originating in the perinatal period	192	189	2	1	0	0	0	0	0	0	0	0
Congenital anomalies	159	81	7	5	4	7	9	9	18	7	7	5
Aortic aneurysm and dissection	149	0	0	0	2	1	5	8	36	32	31	34
Atherosclerosis	115	0	0	0	0	1	1	8	24	19	37	25
Human immunodeficiency virus infection	93	0	0	0	1	11	13	34	22	8	4	0
All other causes	9,202	91	20	23	86	161	307	577	1,207	1,752	2,190	2,788

TABLE 39
ALABAMA HEART DISEASE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES HEART DISEASE DEATH RATES
1970-2018

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	362.0	11,311	328.0	8,404	331.5	2,907	318.2
1971	360.5	11,412	329.2	8,562	333.8	2,850	316.2
1972	363.0	11,346	325.7	8,581	331.3	2,765	309.3
1973	360.8	11,605	331.4	8,696	332.5	2,909	328.1
1974	349.2	11,612	329.9	8,792	333.0	2,820	320.7
1975	336.2	10,967	310.0	8,457	317.3	2,510	287.8
1976	337.2	11,158	313.9	8,498	315.9	2,660	307.6
1977	332.3	11,210	313.8	8,607	317.0	2,603	303.5
1978	334.3	11,326	302.7	8,574	306.6	2,752	291.1
1979	326.5	11,470	302.9	8,668	306.4	2,802	292.6
1980	336.0	11,807	302.6	8,960	311.3	2,847	278.3
1981	328.7	12,010	304.4	9,275	318.5	2,735	264.5
1982	326.0	12,091	302.7	9,220	312.7	2,871	274.4
1983	329.2	12,385	302.5	9,357	308.5	3,028	285.4
1984	323.5	12,695	307.2	9,558	311.9	3,137	293.8
1985	323.0	13,048	312.9	9,774	315.7	3,274	304.9
1986	317.5	12,887	314.2	9,678	320.2	3,209	297.3
1987	312.4	13,093	315.6	9,855	322.4	3,238	296.2
1988	311.3	13,211	314.9	10,017	324.2	3,194	288.8
1989	295.6	13,118	309.3	9,900	317.0	3,218	287.5
1990	289.5	12,893	319.1	9,778	328.6	3,115	292.5
1991	285.9	13,186	323.4	9,931	331.7	3,255	300.7
1992	282.5	12,806	314.6	9,682	322.6	3,124	292.1
1993	288.4	13,549	331.7	10,324	342.9	3,225	300.1
1994	281.3	13,107	319.7	10,104	334.6	3,003	278.1
1995	280.7	13,341	324.3	10,159	335.5	3,182	293.3
1996	276.4	13,466	326.2	10,415	342.9	3,051	279.7
1997	271.6	13,522	326.5	10,493	344.6	3,029	276.3
1998	268.2	13,449	323.7	10,361	339.4	3,088	280.2
1999	259.9	13,381	321.0	10,340	337.9	3,041	274.4
2000	252.6	13,354	300.3	10,358	327.5	2,996	233.3
2001	245.7	13,177	293.7	10,141	319.1	3,036	232.1
2002	242.3	13,183	291.3	10,132	317.2	3,051	229.0
2003	236.1	13,149	292.2	10,070	313.6	3,079	238.7
2004	222.8	12,734	281.1	9,822	303.6	2,912	224.8
2005	220.7	12,800	280.8	9,872	303.5	2,928	224.4
2006	211.7	12,434	270.4	9,606	303.5	2,828	213.8
2007	204.5	11,761	254.1	9,035	274.8	2,726	203.4
2008	202.8	12,091	259.4	9,383	283.4	2,708	200.5
2009	195.4	11,962	254.0	9,282	277.9	2,680	195.8
2010	193.6	12,035	251.8	9,272	283.1	2,763	183.7
2011	191.5	11,882	247.4	9,194	273.0	2,688	187.4
2012	191.0	12,002	248.9	9,231	273.6	2,771	191.3
2013	193.3	12,453	257.6	9,523	282.1	2,930	210.0
2014	192.7	12,438	256.4	9,613	284.6	2,825	191.9
2015	197.2	12,970	266.9	10,139	300.6	2,831	189.9
2016	196.6	12,824	263.1	9,912	293.9	2,912	195.3
2017	198.8	13,105	268.8	10,171	301.4	2,934	195.5
2018	200.3	13,473	275.6	10,251	303.3	3,222	213.7

¹ Rate is per 100,000 population in specified group. See formula in Appendix B.

TABLE 40
HEART DISEASE DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	13,473	275.6	5,587	336.9	4,664	270.9	1,703	241.4	1,519	189.3
Under 1	6	10.2	2	10.5	4	22.0	0	0.0	0	0.0
1-4	3	1.3	2	2.6	1	1.4	0	0.0	0	0.0
5-9	1	0.3	0	0.0	0	0.0	0	0.0	1	1.9
10-14	3	1.0	0	0.0	0	0.0	0	0.0	3	5.6
15-19	14	4.4	3	2.9	5	5.0	2	3.6	4	7.1
20-24	17	5.2	8	7.6	1	1.0	7	12.1	1	1.7
25-29	35	10.3	11	9.9	9	8.3	7	11.9	8	12.9
30-34	72	23.7	24	23.8	17	16.8	20	42.5	11	20.4
35-39	116	38.2	40	39.2	24	23.5	39	85.3	13	24.0
40-44	208	72.1	85	86.2	42	42.3	61	150.2	20	40.3
45-49	320	102.2	144	130.1	61	55.0	73	177.8	42	83.5
50-54	566	180.0	258	231.1	112	99.2	117	285.7	79	161.4
55-59	831	246.7	406	340.7	174	141.3	148	349.2	103	197.7
60-64	1,121	352.1	520	466.7	244	203.9	216	560.1	141	289.6
65-69	1,344	496.3	578	605.9	332	311.8	254	844.5	180	463.5
70-74	1,428	658.3	650	817.2	416	451.8	215	1,103.4	147	569.4
75-79	1,615	1,070.5	726	1,339.3	542	800.4	196	1,674.4	151	876.5
80-84	1,816	1,844.6	784	2,360.3	706	1,516.7	152	2,215.4	174	1,471.6
85+	3,957	4,403.3	1,346	5,390.7	1,974	4,191.9	196	3,795.5	441	3,488.6

¹ Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 41
ALABAMA MALIGNANT NEOPLASM DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES MALIGNANT NEOPLASM DEATH RATES
1970-2018

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	162.8	4,943	143.3	3,633	143.3	1,310	143.4
1971	163.6	5,261	151.8	3,826	149.2	1,435	159.2
1972	166.0	5,437	156.1	4,044	156.1	1,393	155.8
1973	167.3	5,499	157.0	4,074	155.8	1,425	160.7
1974	170.5	5,755	163.5	4,293	162.6	1,462	166.2
1975	171.7	5,889	166.5	4,415	165.7	1,474	169.0
1976	175.8	6,046	170.1	4,452	165.5	1,594	184.3
1977	178.7	6,278	175.7	4,619	170.1	1,659	193.4
1978	181.9	6,507	173.9	4,740	169.5	1,767	186.9
1979	179.6	6,512	172.0	4,721	166.9	1,791	187.0
1980	183.9	7,024	180.0	5,197	180.6	1,827	178.6
1981	184.0	7,204	182.6	5,380	184.8	1,824	176.4
1982	187.2	7,343	183.8	5,489	186.1	1,854	177.2
1983	189.3	7,495	183.1	5,578	183.9	1,917	180.7
1984	191.8	7,845	189.8	5,828	190.2	2,017	188.9
1985	193.3	8,011	192.1	5,977	193.0	2,034	189.4
1986	194.7	8,206	200.1	6,177	204.4	2,029	188.0
1987	195.9	8,378	201.9	6,399	209.4	1,979	181.1
1988	197.3	8,502	202.6	6,365	206.0	2,137	193.2
1989	199.9	8,618	203.2	6,527	209.0	2,091	186.8
1990	201.7	8,697	215.2	6,485	217.9	2,212	207.7
1991	204.1	8,844	216.9	6,668	222.7	2,176	201.0
1992	204.1	9,005	221.2	6,761	225.3	2,244	209.8
1993	205.6	9,141	223.8	6,888	228.8	2,253	209.7
1994	205.2	9,442	230.3	7,138	236.4	2,304	213.4
1995	204.9	9,445	229.6	7,226	238.6	2,219	204.5
1996	203.4	9,524	230.7	7,286	239.9	2,238	205.2
1997	201.6	9,585	231.4	7,312	240.1	2,273	207.3
1998	200.3	9,687	233.1	7,422	243.1	2,265	205.5
1999	197.0	9,489	227.6	7,283	238.0	2,206	199.0
2000	196.5	9,772	219.7	7,549	238.7	2,223	173.1
2001	194.3	9,783	218.1	7,406	233.0	2,377	181.7
2002	193.7	9,685	214.0	7,427	232.5	2,258	169.5
2003	192.0	9,790	217.5	7,529	234.5	2,261	175.3
2004	189.2	9,745	215.1	7,509	232.1	2,236	172.6
2005	189.3	9,854	216.2	7,569	232.7	2,285	175.1
2006	187.6	9,759	212.2	7,539	230.1	2,220	167.9
2007	186.9	9,862	213.1	7,530	229.1	2,332	174.0
2008	186.0	10,152	217.8	7,791	235.3	2,361	174.8
2009	185.0	10,255	217.8	7,877	235.8	2,378	173.8
2010	186.2	10,156	212.5	7,842	239.4	2,314	153.8
2011	185.1	10,153	211.4	7,774	230.8	2,379	165.8
2012	185.6	10,264	212.9	7,865	233.1	2,399	165.7
2013	185.0	10,331	213.7	7,881	233.4	2,450	168.1
2014	185.6	10,285	212.1	7,848	232.4	2,437	165.6
2015	185.4	10,348	213.0	7,888	233.7	2,460	165.7
2016	185.1	10,419	214.2	7,991	236.9	2,428	162.9
2017	183.9	10,415	213.7	7,949	235.6	2,466	164.3
2018	183.2	10,630	217.5	8,173	241.8	2,457	162.9

¹ Rate is per 100,000 population in specified group. See formula in Appendix B.

TABLE 42
MALIGNANT NEOPLASM DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	10,630	217.5	4,484	270.4	3,689	214.3	1,275	180.7	1,182	147.3
Under 1	1	1.7	0	0.0	0	0.0	0	0.0	1	9.4
1-4	7	3.0	2	2.6	2	2.8	3	6.9	0	0.0
5-9	7	2.3	4	4.1	0	0.0	2	3.7	1	1.9
10-14	4	1.3	1	1.0	1	1.0	0	0.0	2	3.7
15-19	6	1.9	0	0.0	4	4.0	2	3.6	0	0.0
20-24	10	3.1	4	3.8	2	2.0	0	0.0	4	6.6
25-29	28	8.2	10	9.0	8	7.4	4	6.8	6	9.7
30-34	49	16.1	12	11.9	20	19.7	10	21.3	7	13.0
35-39	78	25.7	21	20.6	29	28.4	8	17.5	20	36.9
40-44	113	39.2	32	32.4	39	39.2	18	44.3	24	48.3
45-49	277	88.5	91	82.2	107	96.5	30	73.1	49	97.4
50-54	451	143.4	168	150.5	144	127.5	66	161.2	73	149.2
55-59	917	272.3	375	314.7	296	240.4	128	302.0	118	226.4
60-64	1,305	409.9	542	486.4	382	319.2	210	544.5	171	351.2
65-69	1,556	574.6	640	670.9	517	485.5	215	714.8	184	473.8
70-74	1,647	759.3	741	931.7	563	611.4	194	995.6	149	577.2
75-79	1,542	1,022.2	698	1,287.6	575	849.1	140	1,196.0	129	748.8
80-84	1,302	1,322.5	590	1,776.3	469	1,007.5	137	1,996.8	106	896.5
85+	1,330	1,480.0	553	2,214.7	531	1,127.6	108	2,091.4	138	1,091.7

¹Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 43
MALIGNANT NEOPLASM DEATHS AND DEATH RATES¹ BY PRIMARY SITE AND SEX
ALABAMA, 2018

PRIMARY SITE	ICD-10 CODE	TOTAL		MALE		FEMALE	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	C00-C97	10,630	217.5	5,759	243.6	4,871	193.0
Lip, oral cavity and pharynx	C00-C14	179	3.7	135	5.7	44	1.7
Esophagus	C15	235	4.8	182	7.7	53	2.1
Stomach	C16	176	3.6	100	4.2	76	3.0
Colon, rectum and anus	C18-C21	953	19.5	520	22.0	433	17.2
Liver and intrahepatic bile ducts	C22	466	9.5	311	13.2	155	6.1
Pancreas	C25	774	15.8	405	17.1	369	14.6
Larynx	C32	81	1.7	66	2.8	15	0.6
Trachea, bronchus and lung	C33-C34	2,939	60.1	1,702	72.0	1,237	49.0
Skin	C43	126	2.6	81	3.4	45	1.8
Breast	C50	739	15.1	8	0.3	731	29.0
Cervix uteri	C53	101	2.1	... ²	... ²	101	4.0
Corpus uteri and uterus, part unspecified	C54-C55	127	2.6	... ²	... ²	127	5.0
Ovary	C56	237	4.8	... ²	... ²	237	9.4
Prostate	C61	525	10.7	525	22.2	... ²	... ²
Kidney and renal pelvis	C64-C65	252	5.2	150	6.3	102	4.0
Bladder	C67	293	6.0	205	8.7	88	3.5
Meninges, brain and other parts of central nervous system	C70-C72	298	6.1	158	2.7	140	2.0
Lymphoid, hematopoietic and related tissue		918	18.8	522	22.1	396	15.7
Hodgkin's disease	C81	17	0.3	10	0.4	7	0.3
Non-Hodgkin's lymphoma	C82-C85	291	6.0	175	7.4	116	4.6
Leukemia	C91-C95	391	8.0	218	9.2	173	6.9
Multiple myeloma and immunoproliferative neoplasms	C88 or C90	215	4.4	118	2.7	97	2.0
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96	4	0.1	1	0.0	3	0.1
All other and unspecified malignant neoplasms	C00-C97 not listed above	1,211	24.8	689	29.1	522	20.7

¹ Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

² Category not applicable.

TABLE 44
ALABAMA CEREBROVASCULAR DISEASE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES CEREBROVASCULAR DISEASE DEATH RATES
1970-2018

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	101.9	4,618	133.9	3,001	118.4	1,617	177.0
1971	101.1	4,601	132.7	3,046	118.7	1,555	172.5
1972	102.5	4,713	135.3	3,116	120.3	1,597	178.6
1973	102.1	4,953	141.4	3,293	125.9	1,660	187.2
1974	98.1	4,571	129.9	3,059	115.9	1,512	171.9
1975	91.1	4,241	119.9	2,846	106.8	1,395	160.0
1976	87.9	4,291	120.7	2,839	105.5	1,452	167.9
1977	84.1	4,052	113.4	2,705	99.6	1,347	157.1
1978	80.5	3,835	102.5	2,626	93.9	1,209	127.9
1979	75.5	3,487	92.1	2,409	85.2	1,078	112.6
1980	75.1	3,465	88.8	2,348	81.6	1,117	109.2
1981	71.3	3,462	87.7	2,347	80.6	1,115	107.8
1982	68.1	3,365	84.2	2,292	77.7	1,073	102.6
1983	66.6	3,152	77.0	2,137	70.5	1,015	95.7
1984	65.4	3,241	78.4	2,225	72.6	1,016	95.2
1985	64.3	3,304	79.2	2,283	73.7	1,021	95.1
1986	62.3	3,022	73.7	2,140	70.8	882	81.7
1987	61.8	3,000	72.3	2,065	67.6	935	85.5
1988	61.6	2,939	70.0	2,011	65.1	928	83.9
1989	59.0	2,905	68.5	2,014	64.5	891	79.6
1990	57.9	2,931	72.5	1,992	66.9	939	88.2
1991	56.9	2,829	69.4	1,996	66.7	833	77.0
1992	56.4	2,750	67.6	1,966	65.5	784	73.3
1993	58.2	2,833	69.4	2,034	67.6	799	74.4
1994	58.9	2,636	64.3	1,905	63.1	731	67.7
1995	60.1	2,793	67.9	2,007	66.3	786	72.4
1996	60.3	2,890	70.0	2,066	68.0	824	75.6
1997	59.7	2,922	70.6	2,150	70.6	772	70.4
1998	58.5	2,936	70.7	2,137	70.0	799	72.5
1999	60.0	3,137	75.3	2,341	76.5	796	71.8
2000	59.6	3,177	71.4	2,343	74.1	834	64.9
2001	57.4	2,983	66.5	2,214	69.7	769	58.8
2002	56.6	3,203	70.8	2,339	73.2	864	64.9
2003	54.4	3,020	67.1	2,225	69.3	795	61.6
2004	51.3	2,974	65.6	2,156	66.7	818	63.1
2005	48.6	2,940	64.5	2,131	65.5	809	62.0
2006	46.0	2,685	58.4	1,914	58.4	771	58.3
2007	45.1	2,693	58.2	1,951	59.3	742	55.4
2008	44.1	2,814	60.4	2,052	62.0	762	56.4
2009	42.0	2,647	56.2	1,943	58.2	704	51.4
2010	41.9	2,601	54.4	1,907	58.2	694	46.1
2011	41.4	2,538	52.8	1,868	55.5	670	46.7
2012	40.9	2,620	54.3	1,971	58.4	649	44.8
2013	40.8	2,589	53.6	1,927	57.1	662	45.4
2014	41.7	2,650	54.6	1,958	58.0	692	47.0
2015	43.7	2,937	60.4	2,173	64.4	764	51.5
2016	44.0	2,962	60.9	2,185	64.8	777	52.1
2017	44.9	2,932	60.1	2,176	64.5	756	50.4
2018	45.2	3,088	63.2	2,215	65.5	873	57.9

¹ Rate is per 100,000 population in specified group. See formula in Appendix B.

TABLE 45
CEREBROVASCULAR DISEASE DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	3,088	63.2	953	57.5	1,262	73.3	412	58.4	461	57.5
Under 1	7	11.9	1	5.3	1	5.5	3	27.6	2	18.8
1-4	1	0.4	0	0.0	1	1.4	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	1	0.3	1	1.0	0	0.0	0	0.0	0	0.0
15-19	3	1.0	0	0.0	1	1.0	1	1.8	1	1.8
20-24	3	0.9	0	0.0	0	0.0	2	3.5	1	1.7
25-29	2	0.6	1	0.9	0	0.0	0	0.0	1	1.6
30-34	7	2.3	1	1.0	2	2.0	3	6.4	1	1.9
35-39	17	5.6	5	4.9	6	5.9	5	10.9	1	1.8
40-44	39	13.5	8	8.1	8	8.0	16	39.4	7	14.1
45-49	48	15.3	11	9.9	10	9.0	18	43.8	9	17.9
50-54	73	23.2	17	15.2	18	15.9	22	53.7	16	32.7
55-59	146	43.3	45	37.8	40	32.5	30	70.8	31	59.5
60-64	208	65.3	66	59.2	40	33.4	61	158.2	41	84.2
65-69	242	89.4	97	101.7	62	58.2	48	159.6	35	90.1
70-74	366	168.7	126	158.4	123	133.6	54	277.1	63	244.0
75-79	403	267.1	141	260.1	154	227.4	50	427.1	58	336.7
80-84	483	490.6	174	523.8	215	461.9	45	655.9	49	414.4
85+	1,039	1,156.2	259	1,037.3	581	1,233.8	54	1,045.7	145	1,147.1

¹Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 46
ALABAMA CHRONIC LOWER RESPIRATORY DISEASE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES CHRONIC LOWER RESPIRATORY DISEASE DEATH RATES
1980-2018

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1980	24.7	881	22.6	752	26.1	129	12.6
1981	25.7	1,022	25.8	880	30.2	142	13.7
1982	25.8	1,012	25.4	879	29.8	133	12.7
1983	28.3	1,063	26.0	951	31.4	112	10.6
1984	29.2	1,234	29.9	1,076	35.1	158	14.8
1985	31.3	1,340	32.1	1,160	37.5	180	16.8
1986	31.8	1,361	33.2	1,175	38.9	186	17.2
1987	32.2	1,281	30.9	1,109	36.3	172	15.7
1988	33.7	1,454	34.7	1,257	40.7	197	17.8
1989	34.0	1,417	33.4	1,227	39.3	190	17.0
1990	34.9	1,504	37.2	1,297	43.6	207	19.4
1991	35.9	1,620	39.7	1,413	47.2	207	19.1
1992	36.0	1,461	35.9	1,275	42.5	186	17.4
1993	39.2	1,675	41.0	1,432	47.6	243	22.6
1994	39.0	1,806	44.1	1,562	51.7	244	22.6
1995	39.2	1,663	40.4	1,451	47.9	212	19.5
1996	40.0	1,724	41.8	1,491	49.1	233	21.4
1997	40.7	1,858	44.9	1,604	52.7	254	23.2
1998	41.7	1,994	48.0	1,755	57.5	239	21.7
1999	44.5	2,174	52.2	1,944	63.5	230	20.8
2000	43.4	2,043	45.9	1,818	57.5	225	17.5
2001	43.2	2,196	48.9	1,964	61.8	232	17.7
2002	43.4	2,328	51.4	2,061	64.5	267	20.0
2003	43.6	2,426	53.9	2,159	67.2	267	20.7
2004	41.7	2,359	52.1	2,087	64.5	272	21.0
2005	44.3	2,371	52.0	2,108	64.8	263	20.2
2006	41.8	2,277	49.5	2,038	62.2	239	18.1
2007	42.5	2,510	54.2	2,247	68.4	263	19.6
2008	46.4	2,723	58.4	2,422	73.1	301	22.3
2009	44.8	2,761	58.6	2,480	74.2	281	20.5
2010	44.7	2,845	59.5	2,547	77.8	298	19.8
2011	45.9	2,892	60.2	2,576	76.5	316	22.0
2012	45.7	3,006	62.3	2,714	80.4	292	20.2
2013	47.2	3,040	62.9	2,714	80.4	326	22.4
2014	46.1	3,046	62.8	2,728	80.8	318	21.6
2015	48.2	3,275	67.4	2,937	87.0	338	22.8
2016	47.8	3,325	68.4	2,962	87.8	363	24.3
2017	49.2	3,484	71.5	3,087	91.5	397	26.5
2018	48.7	3,595	73.5	3,171	93.8	424	28.1

¹ Rate is per 100,000 population in specified group. See formula in Appendix B.

TABLE 47

**CHRONIC LOWER RESPIRATORY DISEASE DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018**

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	3,595	73.5	1,544	93.1	1,627	94.5	230	32.6	194	24.2
Under 1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	3	1.0	0	0.0	0	0.0	1	1.9	2	3.8
10-14	1	0.3	0	0.0	0	0.0	0	0.0	1	1.9
15-19	1	0.3	0	0.0	0	0.0	1	1.8	0	0.0
20-24	2	0.6	2	1.9	0	0.0	0	0.0	0	0.0
25-29	2	0.6	0	0.0	0	0.0	1	1.7	1	1.6
30-34	2	0.7	1	1.0	0	0.0	0	0.0	1	1.9
35-39	10	3.3	3	2.9	2	2.0	2	4.4	3	5.5
40-44	14	4.9	4	4.1	8	8.0	0	0.0	2	4.0
45-49	28	8.9	6	5.4	14	12.6	4	9.7	4	8.0
50-54	80	25.4	33	29.6	37	32.8	6	14.7	4	8.2
55-59	170	50.5	65	54.5	73	59.3	14	33.0	18	34.5
60-64	329	103.3	145	130.1	127	106.1	27	70.0	30	61.6
65-69	429	158.4	204	213.8	173	162.5	37	123.0	15	38.6
70-74	575	265.1	263	330.7	254	275.8	33	169.4	25	96.8
75-79	610	404.4	272	501.8	279	412.0	35	299.0	24	139.3
80-84	577	586.1	244	734.6	270	580.0	35	510.1	28	236.8
85+	762	847.9	302	1,209.5	390	828.2	34	658.4	36	284.8

¹ Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 48
ALABAMA ACCIDENTAL DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES ACCIDENTAL DEATH RATES
1970-2018

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	56.4	2,457	71.2	1,702	67.1	755	82.6
1971	55.0	2,603	74.9	1,817	71.0	786	86.0
1972	55.4	2,528	72.0	1,800	69.5	728	79.3
1973	55.2	2,577	72.7	1,817	69.3	760	82.4
1974	49.5	2,347	65.6	1,677	63.2	670	72.3
1975	48.4	2,204	61.0	1,562	58.2	642	69.0
1976	46.9	2,305	63.1	1,617	59.5	688	73.5
1977	47.7	2,459	66.6	1,746	63.5	713	75.9
1978	48.4	2,480	66.3	1,793	64.1	687	72.7
1979	46.9	2,161	57.1	1,551	54.8	610	63.7
1980	46.7	2,295	58.8	1,596	55.5	699	68.3
1981	43.9	2,160	54.7	1,551	53.3	609	58.9
1982	40.6	1,907	47.7	1,439	48.8	468	44.7
1983	39.5	2,037	49.8	1,473	48.6	564	53.2
1984	39.3	1,958	47.4	1,461	47.7	497	46.6
1985	39.1	1,985	47.6	1,400	45.2	585	54.5
1986	39.5	2,204	53.7	1,623	53.7	581	53.8
1987	39.0	2,169	52.3	1,564	51.2	605	55.4
1988	39.5	2,165	51.6	1,537	49.7	628	56.8
1989	38.3	2,186	52.1	1,581	51.2	605	54.7
1990	37.0	2,299	56.9	1,697	57.0	602	56.5
1991	35.4	2,201	54.0	1,605	53.6	596	55.1
1992	34.0	2,049	50.3	1,508	50.3	541	50.6
1993	35.1	2,143	52.5	1,546	51.4	597	55.6
1994	35.1	2,148	52.4	1,565	51.8	583	54.0
1995	35.5	2,232	54.3	1,620	53.5	612	56.4
1996	35.8	2,237	54.2	1,675	55.2	562	51.5
1997	35.7	2,313	55.9	1,749	57.4	564	51.4
1998	34.5	2,209	53.2	1,680	55.0	529	48.0
1999	35.1	2,284	54.8	1,667	54.5	617	55.7
2000	34.8	2,097	47.2	1,567	49.5	530	41.3
2001	35.6	2,187	48.7	1,648	51.9	539	41.2
2002	37.1	2,212	48.9	1,732	54.2	480	36.0
2003	37.7	2,183	48.5	1,658	51.6	525	40.7
2004	38.3	2,381	52.6	1,811	56.0	570	44.0
2005	39.9	2,368	52.0	1,796	55.2	572	43.8
2006	40.8	2,451	53.3	1,925	58.8	526	39.8
2007	41.1	2,476	53.5	1,971	60.0	505	37.7
2008	40.1	2,497	53.6	2,004	60.5	493	36.5
2009	38.5	2,342	49.7	1,903	57.0	439	32.1
2010	39.1	2,369	49.6	1,891	57.7	478	31.8
2011	40.6	2,596	54.1	2,064	61.3	532	37.1
2012	40.7	2,255	46.8	1,800	53.4	455	31.4
2013	41.3	2,302	47.6	1,819	53.9	483	33.1
2014	42.6	2,421	49.9	1,930	57.1	491	33.4
2015	45.6	2,529	52.0	1,987	58.9	542	36.5
2016	49.9	2,747	56.5	2,119	62.8	628	42.1
2017	52.2	2,700	55.4	2,109	62.5	591	39.4
2018	51.1	2,682	54.9	2,026	59.9	656	43.5

¹ Rate is per 100,000 population in specified group. See formula in Appendix B.

TABLE 49
ACCIDENTAL DEATHS AND DEATH RATES¹ BY AGE GROUP AND RACE
ALABAMA, 2018

AGE GROUP	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,682	54.9	2,026	59.9	656	43.5
Under 1	13	22.2	3	8.1	10	46.5
1-4	35	14.9	20	13.5	15	17.4
5-9	22	7.4	13	6.8	9	8.5
10-14	14	4.5	7	3.5	7	6.4
15-19	90	28.5	55	27.0	35	31.2
20-24	164	50.4	119	57.4	45	38.1
25-29	201	59.1	143	65.2	58	48.0
30-34	196	64.6	139	68.6	57	56.4
35-39	228	75.0	168	82.3	60	60.0
40-44	190	65.9	142	71.7	48	53.2
45-49	197	62.9	150	67.7	47	51.4
50-54	183	58.2	133	59.2	50	55.6
55-59	190	56.4	148	61.1	42	44.4
60-64	194	60.9	137	59.3	57	65.3
65-69	146	53.9	113	56.0	33	47.9
70-74	129	59.5	110	64.1	19	41.9
75-79	134	88.8	114	93.5	20	69.1
80-84	126	128.0	110	137.9	16	85.6
85+	230	255.9	202	280.3	28	157.3

¹ Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 50
ACCIDENTAL DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,682	54.9	1,259	75.9	767	44.6	481	68.2	175	21.8
Under 1	13	22.2	1	5.3	2	11.0	2	18.4	8	75.2
1-4	35	14.9	10	13.2	10	13.8	10	23.0	5	11.8
5-9	22	7.4	8	8.2	5	5.4	5	9.3	4	7.6
10-14	14	4.5	4	3.9	3	3.1	6	10.9	1	1.9
15-19	90	28.5	35	33.7	20	20.1	28	50.0	7	12.5
20-24	164	50.4	85	80.3	34	33.6	35	60.5	10	16.6
25-29	201	59.1	99	89.5	44	40.5	40	68.1	18	29.0
30-34	196	64.6	102	101.0	37	36.5	40	85.1	17	31.5
35-39	228	75.0	119	116.7	49	48.0	47	102.8	13	24.0
40-44	190	65.9	87	88.2	55	55.3	33	81.2	15	30.2
45-49	197	62.9	92	83.1	58	52.3	40	97.4	7	13.9
50-54	183	58.2	82	73.5	51	45.1	39	95.2	11	22.5
55-59	190	56.4	89	74.7	59	47.9	35	82.6	7	13.4
60-64	194	60.9	89	79.9	48	40.1	48	124.5	9	18.5
65-69	146	53.9	71	74.4	42	39.4	28	93.1	5	12.9
70-74	129	59.5	69	86.8	41	44.5	14	71.8	5	19.4
75-79	134	88.8	71	131.0	43	63.5	13	111.1	7	40.6
80-84	126	128.0	56	168.6	54	116.0	5	72.9	11	93.0
85+	230	255.9	90	360.4	112	237.8	13	251.7	15	118.7

¹ Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 51
ACCIDENTAL DEATHS BY TYPE OF ACCIDENT AND AGE GROUP
ALABAMA, 2018

TYPE OF ACCIDENT (ICD-10 CODE)	TOTAL	AGE GROUP										
		UNDER 1	1- 4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL	2,682	13	35	36	254	397	418	380	384	275	260	230
Occupant of railway train (V81.0-V-81.8)	0	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle ¹	1,062	4	14	21	175	185	153	156	141	112	79	22
Drowning (W65-W74)	67	0	10	9	7	7	6	6	11	8	3	0
Air and space transport (V95-V97)	5	0	0	0	1	1	2	1	0	0	0	0
Poisoning (X40-X49)	741	0	0	1	46	170	213	160	110	28	8	5
Falls (W00-W19)	264	0	0	0	1	6	5	12	30	43	75	92
Smoke, fire and flames (X00-X09)	82	0	4	1	4	6	12	10	18	10	12	5
Contact with venomous life forms (X20-X29)	2	0	0	0	0	1	0	1	0	0	0	0
Excessive natural heat (X30)	16	0	2	0	0	0	1	4	4	2	0	3
Excessive natural cold (X31)	13	0	0	0	1	1	0	0	5	3	2	1
Lightning (X33)	0	0	0	0	0	0	0	0	0	0	0	0
Cataclysmic storms and floods (X37-X38)	3	0	0	0	0	0	0	0	2	1	0	0
Suffocation (W75-W84)	105	9	3	2	1	6	7	7	17	15	14	24
Struck by falling objects, etc. (W20)	13	0	0	0	0	2	0	2	3	3	3	0
Firearms (W32-W34)	25	0	2	2	8	3	3	2	3	2	0	0
Electrocution (W85-W87)	8	0	0	0	2	2	3	0	1	0	0	0
All other accidents and late effects	276	0	0	0	8	7	13	19	39	48	64	78

¹ See Appendix C for list of ICD-10 codes.

TABLE 52
ALABAMA DIABETES DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES DIABETES DEATH RATES
1980-2018

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1980	17.0	664	17.0	377	13.1	227	22.2
1981	15.1	632	16.0	397	13.6	235	22.7
1982	14.9	637	15.9	419	14.2	218	20.8
1983	15.5	603	14.7	369	12.2	234	22.1
1984	15.1	661	16.0	387	12.6	274	25.7
1985	15.5	720	17.3	421	13.6	299	27.8
1986	15.4	712	17.4	410	13.6	302	28.0
1987	15.8	670	16.1	402	13.2	268	24.5
1988	16.4	777	18.5	459	14.9	318	28.7
1989	18.9	724	17.1	442	14.2	282	25.2
1990	19.2	850	21.0	507	17.0	343	32.2
1991	19.4	891	21.9	547	18.3	344	31.8
1992	19.6	850	20.9	505	16.8	345	32.3
1993	20.9	856	21.0	515	17.1	341	31.7
1994	21.8	1,071	26.1	645	21.4	426	39.5
1995	22.6	1,151	28.0	707	23.3	444	40.9
1996	23.3	1,127	27.3	695	22.9	432	39.6
1997	23.4	1,173	28.3	699	23.0	474	43.2
1998	24.0	1,303	31.4	778	25.5	525	47.6
1999	24.5	1,337	32.1	826	27.0	511	46.1
2000	24.6	1,315	29.6	832	26.3	483	37.6
2001	25.0	1,339	29.8	820	25.8	519	39.7
2002	25.5	1,485	32.8	901	28.2	584	43.8
2003	25.6	1,411	31.4	892	27.8	519	40.2
2004	25.0	1,442	31.8	856	26.5	586	45.2
2005	25.4	1,420	31.2	885	27.2	535	41.0
2006	24.3	1,430	31.1	888	27.1	542	41.0
2007	23.7	1,288	27.8	801	24.4	487	36.3
2008	23.2	1,380	29.6	841	25.4	539	39.9
2009	22.4	1,271	27.0	760	22.8	511	37.3
2010	22.4	1,314	27.5	818	25.0	496	33.0
2011	23.7	1,255	26.1	787	23.4	468	32.6
2012	23.6	1,295	26.9	807	23.9	488	33.7
2013	23.9	1,346	27.8	870	25.8	476	32.7
2014	24.0	1,277	26.3	786	23.3	491	33.4
2015	24.7	1,253	25.8	755	22.4	498	33.5
2016	24.8	1,181	24.3	739	21.9	442	29.6
2017	25.7	1,172	24.0	707	21.0	465	31.0
2018	26.0	1,176	24.1	741	21.9	435	28.8

¹ Rate is per 100,000 population in specified group. See formula in Appendix B.

TABLE 53
DIABETES DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	1,176	24.1	413	24.9	328	19.1	231	32.7	204	25.4
Under 1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	1	0.3	0	0.0	0	0.0	1	1.8	0	0.0
15-19	2	0.6	1	1.0	0	0.0	1	1.8	0	0.0
20-24	4	1.2	1	0.9	1	1.0	1	1.7	1	1.7
25-29	3	0.9	1	0.9	0	0.0	1	1.7	1	1.6
30-34	8	2.6	3	3.0	2	2.0	2	4.3	1	1.9
35-39	23	7.6	4	3.9	7	6.9	9	19.7	3	5.5
40-44	32	11.1	10	10.1	9	9.1	8	19.7	5	10.1
45-49	42	13.4	11	9.9	13	11.7	13	31.7	5	9.9
50-54	70	22.3	31	27.8	11	9.7	17	41.5	11	22.5
55-59	97	28.8	41	34.4	24	19.5	21	49.5	11	21.1
60-64	161	50.6	50	44.9	40	33.4	38	98.5	33	67.8
65-69	153	56.5	56	58.7	31	29.1	38	126.3	28	72.1
70-74	165	76.1	58	72.9	39	42.4	40	205.3	28	108.5
75-79	132	87.5	56	103.3	38	56.1	18	153.8	20	116.1
80-84	112	113.8	41	123.4	39	83.8	11	160.3	21	177.6
85+	171	190.3	49	196.2	74	157.1	12	232.4	36	284.8

¹Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 54
ALABAMA ALZHEIMER'S DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES ALZHEIMER'S DEATH RATES
ALABAMA, 1980-2018

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1980	0.6	14	0.4	12	0.4	2	0.2
1981	0.8	32	0.8	30	1.0	2	0.2
1982	1.1	46	1.2	42	1.4	4	0.4
1983	1.9	58	1.4	56	1.8	2	0.2
1984	2.7	114	2.8	100	3.3	14	1.3
1985	3.5	136	3.3	124	4.0	12	1.1
1986	3.9	172	4.2	159	5.3	13	1.2
1987	4.7	181	4.4	158	5.2	23	2.1
1988	5.0	224	5.3	198	6.4	26	2.4
1989	5.3	237	5.6	214	6.9	23	2.1
1990	5.5	275	6.8	244	8.2	31	2.9
1991	5.6	250	6.1	221	7.4	29	2.7
1992	5.7	278	6.8	233	7.8	45	4.2
1993	6.5	323	7.9	278	9.2	45	4.2
1994	7.1	342	8.3	299	9.9	43	4.0
1995	7.8	426	10.4	357	11.8	69	6.4
1996	8.1	441	10.7	382	12.6	59	5.4
1997	8.4	459	11.1	407	13.4	52	4.7
1998	8.4	450	10.8	394	12.9	56	5.1
1999	16.0	772	18.5	668	21.8	104	9.4
2000	17.6	891	20.0	753	23.8	138	10.7
2001	18.9	1,100	24.5	938	29.5	162	12.4
2002	20.5	1,189	26.3	1,031	32.3	158	11.9
2003	21.9	1,266	28.1	1,063	33.1	203	15.7
2004	22.5	1,385	30.6	1,160	35.9	225	17.4
2005	24.2	1,494	32.8	1,276	39.2	218	16.7
2006	24.3	1,487	32.3	1,278	39.0	209	15.8
2007	24.8	1,506	32.5	1,266	38.5	240	17.9
2008	27.1	1,516	32.5	1,286	38.8	230	17.0
2009	25.8	1,510	32.1	1,274	38.1	236	17.2
2010	27.0	1,518	31.8	1,302	39.8	216	14.4
2011	27.3	1,470	30.6	1,241	36.8	229	16.0
2012	26.6	1,386	28.7	1,187	35.2	199	13.7
2013	26.8	1,399	28.9	1,189	35.2	210	14.5
2014	29.3	1,881	38.8	1,565	46.3	316	21.5
2015	34.4	2,281	46.9	1,878	55.7	403	27.1
2016	35.9	2,506	51.5	2,123	62.9	383	25.7
2017	37.3	2,562	52.6	2,136	63.3	426	28.4
2018	37.3	2,616	53.5	2,187	64.7	429	28.4

¹ Rate is per 100,000 population in specified group. See formula in Appendix B.

TABLE 55
ALZHEIMER'S DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,616	53.5	622	37.5	1,565	90.9	113	16.0	316	39.4
Under 1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40-44	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
45-49	1	0.3	1	0.9	0	0.0	0	0.0	0	0.0
50-54	1	0.3	1	0.9	0	0.0	0	0.0	0	0.0
55-59	8	2.4	4	3.4	3	2.4	1	2.4	0	0.0
60-64	21	6.6	6	5.4	8	6.7	1	2.6	6	12.3
65-69	55	20.3	17	17.8	27	25.4	5	16.6	6	15.4
70-74	152	70.1	43	54.1	66	71.7	21	107.8	22	85.2
75-79	311	206.2	102	188.2	153	225.9	18	153.8	38	220.6
80-84	539	547.5	154	463.6	311	668.1	21	306.1	53	448.2
85+	1,528	1,700.3	294	1,177.5	997	2,117.2	46	890.8	191	1,511.0

¹ Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 56
ALABAMA SUICIDE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES SUICIDE DEATH RATES
1970-2018

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	11.6	313	9.1	285	11.2	28	3.1
1971	11.7	360	10.4	333	13.0	27	3.0
1972	12.0	378	10.8	340	13.1	38	4.3
1973	12.0	352	10.1	317	12.1	35	3.9
1974	12.1	380	10.8	331	12.5	49	5.6
1975	12.7	394	11.1	353	13.2	41	4.7
1976	12.5	407	11.4	361	13.4	46	5.3
1977	13.3	405	11.3	369	13.6	36	4.2
1978	12.5	399	10.7	347	12.4	52	5.5
1979	12.1	417	11.0	368	13.0	49	5.1
1980	11.9	444	11.4	405	14.1	39	3.8
1981	12.0	398	10.1	353	12.1	45	4.4
1982	12.2	427	10.7	375	12.7	52	5.0
1983	12.1	428	10.5	385	12.7	43	4.1
1984	12.4	465	11.3	417	13.6	48	4.5
1985	12.3	442	10.6	399	12.9	43	4.0
1986	12.8	512	12.5	464	15.4	48	4.4
1987	12.7	450	10.8	401	13.1	49	4.5
1988	12.4	497	11.8	435	14.1	62	5.6
1989	12.2	516	12.2	451	14.4	65	5.8
1990	12.4	527	13.0	462	15.5	65	6.1
1991	12.2	573	14.1	498	16.6	75	6.9
1992	12.0	525	12.9	437	14.6	88	8.2
1993	12.1	575	14.1	490	16.3	85	7.9
1994	12.0	584	14.2	502	16.6	82	7.6
1995	11.9	564	13.7	479	15.8	85	7.8
1996	11.6	549	13.3	482	15.9	67	6.1
1997	11.4	531	12.8	456	15.0	75	6.8
1998	11.3	567	13.6	499	16.3	68	6.2
1999	10.5	560	13.4	498	16.3	62	5.6
2000	10.4	579	13.0	513	16.2	66	5.1
2001	10.7	508	11.3	450	14.2	58	4.4
2002	11.0	515	11.4	450	14.1	65	4.9
2003	10.9	525	11.7	472	14.7	53	4.1
2004	11.1	535	11.8	453	14.0	82	6.3
2005	11.0	526	11.5	460	14.1	66	5.1
2006	11.2	573	12.5	509	15.5	64	4.8
2007	11.5	586	12.7	530	16.1	56	4.2
2008	11.8	603	12.9	533	16.1	70	5.2
2009	12.0	667	14.2	602	18.0	65	4.7
2010	12.4	676	14.1	617	18.8	59	3.9
2011	12.7	640	13.3	567	16.8	73	5.1
2012	12.9	721	15.0	633	18.8	88	6.1
2013	13.0	719	14.9	649	19.2	70	4.8
2014	13.4	711	14.7	638	18.9	73	5.0
2015	13.7	748	15.4	672	19.9	76	5.1
2016	13.9	785	16.2	711	21.1	74	5.0
2017	14.5	834	17.1	750	22.2	84	5.6
2018	14.8	823	16.8	721	21.3	102	6.8

¹ Rate is per 100,000 population in specified group. See formula in Appendix B.

TABLE 57
SUICIDE DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	823	16.8	561	33.8	160	9.3	81	11.5	21	2.6
Under 1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	2	0.7	0	0.0	0	0.0	0	0.0	2	3.8
10-14	7	2.3	4	3.9	1	1.0	2	3.6	0	0.0
15-19	43	13.6	28	26.9	9	9.0	6	10.7	0	0.0
20-24	66	20.3	43	40.6	10	9.9	9	15.6	4	6.6
25-29	74	21.8	40	36.2	14	12.9	17	28.9	3	4.8
30-34	74	24.4	57	56.4	4	3.9	10	21.3	3	5.6
35-39	87	28.6	60	58.9	20	19.6	6	13.1	1	1.8
40-44	64	22.2	36	36.5	19	19.1	9	22.2	0	0.0
45-49	55	17.6	32	28.9	16	14.4	5	12.2	2	4.0
50-54	66	21.0	41	36.7	21	18.6	3	7.3	1	2.0
55-59	72	21.4	47	39.4	17	13.8	6	14.2	2	3.8
60-64	63	19.8	48	43.1	11	9.2	2	5.2	2	4.1
65-69	51	18.8	38	39.8	12	11.3	1	3.3	0	0.0
70-74	39	18.0	31	39.0	4	4.3	4	20.5	0	0.0
75-79	29	19.2	26	48.0	1	1.5	1	8.5	1	5.8
80-84	7	7.1	7	21.1	0	0.0	0	0.0	0	0.0
85+	24	26.7	23	92.1	1	2.1	0	0.0	0	0.0

¹ Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 58
ALABAMA HOMICIDE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES HOMICIDE DEATH RATES
1970-2018

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	8.3	473	13.7	168	6.6	305	33.4
1971	9.1	526	15.2	188	7.3	338	37.5
1972	9.4	536	15.4	193	7.5	343	38.4
1973	9.8	540	15.4	213	8.1	327	36.9
1974	10.2	593	16.8	214	8.1	379	43.1
1975	10.0	613	17.3	243	9.1	370	42.4
1976	9.1	550	15.5	191	7.1	359	41.5
1977	9.2	546	15.3	203	7.5	343	40.0
1978	9.4	516	13.8	210	7.5	306	32.4
1979	10.0	531	14.0	181	6.4	350	36.5
1980	10.7	614	15.7	260	9.0	354	34.6
1981	10.3	554	14.0	217	7.5	337	32.6
1982	9.6	517	12.9	188	6.4	329	31.4
1983	8.6	423	10.3	165	5.4	258	24.3
1984	8.4	424	10.3	160	5.2	264	24.7
1985	8.3	468	11.2	180	5.8	288	26.8
1986	9.0	465	11.3	186	6.2	279	25.8
1987	8.7	471	11.4	201	6.6	270	24.7
1988	9.0	473	11.3	167	5.4	306	27.7
1989	9.2	512	12.1	195	6.2	317	28.3
1990	10.0	562	13.9	207	7.0	355	33.3
1991	10.5	608	14.9	191	6.4	417	38.5
1992	10.0	570	14.0	191	6.4	379	35.4
1993	10.1	599	14.7	217	7.2	382	35.6
1994	9.6	607	14.8	221	7.3	386	35.8
1995	8.2	588	14.3	207	6.8	381	35.1
1996	7.9	561	13.6	191	6.3	370	33.9
1997	7.4	535	12.9	182	6.0	353	32.2
1998	6.8	463	11.1	186	6.1	277	25.1
1999	6.1	438	10.5	180	5.9	258	23.3
2000	6.0	441	9.9	159	5.0	282	22.0
2001	7.1	424	9.5	185	5.8	239	18.3
2002	6.1	416	9.2	153	4.8	263	19.7
2003	6.1	436	9.7	161	5.0	275	21.3
2004	5.9	369	8.1	159	4.9	210	16.2
2005	6.1	428	9.4	138	4.2	290	22.2
2006	6.2	435	9.5	141	4.3	294	22.2
2007	6.1	477	10.3	176	5.4	301	22.5
2008	5.9	450	9.7	164	5.0	286	21.2
2009	5.5	411	8.7	172	5.1	239	17.5
2010	5.3	391	8.2	138	4.2	253	16.8
2011	5.1	379	7.9	130	3.9	249	17.4
2012	5.3	403	8.4	127	3.8	276	19.1
2013	5.1	420	8.7	134	4.0	286	19.6
2014	5.0	375	7.7	126	3.7	249	16.9
2015	5.5	472	9.7	158	4.7	314	21.2
2016	6.0	543	11.2	184	5.5	359	24.1
2017	6.0	601	12.3	168	5.0	433	28.9
2018	5.8	567	11.6	185	5.5	382	25.3

¹ Rate is per 100,000 population in specified group. See formula in Appendix B.

TABLE 59
HOMICIDE DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	567	11.6	125	7.5	60	3.5	333	47.2	49	6.1
Under 1	7	11.9	1	5.3	1	5.5	4	36.8	1	9.4
1-4	10	4.3	1	1.3	2	2.8	4	9.2	3	7.1
5-9	2	0.7	1	1.0	0	0.0	1	1.9	0	0.0
10-14	5	1.6	3	2.9	2	2.0	0	0.0	0	0.0
15-19	50	15.8	4	3.8	5	5.0	35	62.5	6	10.7
20-24	93	28.6	13	12.3	3	3.0	70	121.1	7	11.6
25-29	87	25.6	10	9.0	5	4.6	63	107.3	9	14.5
30-34	67	22.1	13	12.9	3	3.0	47	100.0	4	7.4
35-39	62	20.4	7	6.9	5	4.9	45	98.4	5	9.2
40-44	37	12.8	10	10.1	4	4.0	19	46.8	4	8.1
45-49	42	13.4	18	16.3	9	8.1	12	29.2	3	6.0
50-54	24	7.6	11	9.9	5	4.4	8	19.5	0	0.0
55-59	30	8.9	11	9.2	4	3.2	11	26.0	4	7.7
60-64	21	6.6	9	8.1	2	1.7	10	25.9	0	0.0
65-69	15	5.5	10	10.5	4	3.8	1	3.3	0	0.0
70-74	3	1.4	1	1.3	0	0.0	2	10.3	0	0.0
75-79	7	4.6	1	1.8	3	4.4	1	8.5	2	11.6
80-84	2	2.0	0	0.0	2	4.3	0	0.0	0	0.0
85+	3	3.3	1	4.0	1	2.1	0	0.0	1	7.9

¹ Rate is per 100,000 population in specified group. Use caution with rates derived from small numbers. See formula in Appendix B.

TABLE 60
INFANT DEATHS AND INFANT MORTALITY RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2018

YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE
	NUMBER	RATE		NUMBER	RATE		NUMBER	RATE	
1970	1,628	24.1	20.0	838	18.4	17.8	790	35.8	30.9
1971	1,566	23.5	19.1	797	18.0	17.1	769	34.1	28.5
1972	1,385	22.4	18.5	691	17.2	16.4	694	32.1	27.7
1973	1,313	22.1	17.7	679	17.5	15.8	634	30.7	26.2
1974	1,231	20.7	16.7	648	16.8	14.8	583	28.2	24.9
1975	1,130	19.5	16.1	553	14.7	14.2	577	28.3	24.2
1976	1,156	20.0	15.2	569	15.2	13.3	587	28.7	23.5
1977	1,053	17.0	14.1	538	13.4	12.3	515	23.8	21.7
1978	970	16.1	13.8	466	12.1	12.0	504	23.5	21.1
1979	891	14.3	13.1	448	11.3	11.4	443	19.5	19.8
1980	960	15.1	12.6	472	11.6	11.0	488	21.4	19.1
1981	796	12.9	11.9	404	10.2	10.5	392	18.0	17.8
1982	831	13.8	11.5	400	10.3	10.1	431	20.1	17.3
1983	774	13.1	11.2	397	10.3	9.7	377	18.3	16.8
1984	764	12.9	10.8	368	9.6	9.4	396	19.0	16.1
1985	752	12.6	10.6	405	10.4	9.3	347	16.8	15.8
1986	788	13.3	10.4	374	9.7	8.9	414	19.9	15.7
1987	726	12.2	10.1	338	8.5	8.6	388	18.7	15.4
1988	735	12.1	10.0	365	9.3	8.5	370	17.2	15.0
1989	756	12.1	9.8	375	9.4	8.2	381	17.0	15.2
1990	689	10.9	9.2	338	8.2	7.6	351	15.7	15.5
1991	704	11.2	8.9	330	8.1	7.3	374	16.9	15.1
1992	651	10.5	8.5	303	7.5	6.9	348	15.8	14.4
1993	636	10.3	8.4	314	7.9	6.8	322	14.8	14.1
1994	617	10.1	8.0	275	6.9	6.6	342	16.1	13.5
1995	592	9.8	7.6	282	7.1	6.3	310	15.0	12.6
1996	634	10.5	7.3	331	8.2	6.1	303	14.9	12.2
1997	579	9.5	7.2	302	7.5	6.0	277	13.5	11.8
1998	632	10.2	7.2	316	7.6	6.0	316	15.4	11.8
1999	607	9.8	7.1	289	6.9	5.8	318	15.6	12.0
2000	594	9.4	6.9	274	6.5	5.7	320	15.1	11.4
2001	567	9.4	6.9	275	6.8	5.7	292	14.7	11.3
2002	538	9.1	7.0	278	7.0	5.8	260	13.7	11.4
2003	519	8.7	6.9	264	6.5	5.7	255	13.6	11.1
2004	516	8.7	6.8	270	6.7	5.7	246	12.9	10.9
2005	561	9.3	6.9	293	7.2	5.7	268	13.8	10.9
2006	569	9.0	6.7	284	6.7	5.6	285	13.9	10.6
2007	641	10.0	6.8	345	8.0	5.6	296	14.0	10.6
2008	612	9.5	6.6	324	7.6	5.6	288	13.4	10.2
2009	513	8.2	6.4	254	6.1	5.3	259	12.6	10.0
2010	522	8.7	6.2	265	6.6	5.2	257	13.0	9.3
2011	481	8.1	6.1	242	6.1	5.1	239	12.2	9.1
2012	519	8.9	6.0	253	6.5	5.1	266	13.5	8.8
2013	500	8.6	6.0	266	6.9	5.1	234	12.0	8.8
2014	517	8.7	5.8	238	6.0	4.9	279	13.9	8.6
2015	494	8.3	5.9	206	5.2	-- ³	288	14.4	-- ³
2016	537	9.1	5.9	255	6.5	-- ³	282	14.2	-- ³
2017	435	7.4	5.8	213	5.5	-- ³	222	11.0	-- ³
2018	405	7.0	5.7	196	5.1	-- ³	209	10.7	-- ³

¹ Rate is per 1,000 live births in specified group.

² Infant deaths are by race of child. Live births for 1970-1989 are by race of child. Live births for 1990-2018 are by race of mother.

³ U.S. race-specific rates are not comparable to Alabama race-specific rates for 2015-2018 due to a different tabulation method.

TABLE 61
NEONATAL DEATHS AND NEONATAL MORTALITY RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2018

YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE
	NUMBER	RATE		NUMBER	RATE		NUMBER	RATE	
1970	1,171	17.3	15.1	667	14.6	13.8	504	22.9	21.4
1971	1,113	16.7	14.2	611	13.8	13.0	502	22.3	19.6
1972	958	15.5	13.6	516	12.9	12.4	442	20.4	19.2
1973	890	15.0	13.0	501	12.9	11.8	389	18.8	17.9
1974	894	15.1	12.3	490	12.7	11.1	404	19.5	17.2
1975	818	14.1	11.6	427	11.4	10.4	391	19.2	16.8
1976	795	13.7	10.9	410	11.0	9.7	385	18.8	16.3
1977	687	11.1	9.9	367	9.1	8.7	320	14.8	14.7
1978	655	10.9	9.5	334	8.6	8.4	321	15.0	14.0
1979	582	9.3	8.9	306	7.7	7.9	276	12.2	12.9
1980	623	9.8	8.5	316	7.8	7.5	307	13.5	12.5
1981	512	8.3	8.0	268	6.8	7.1	244	11.2	11.8
1982	556	9.2	7.7	285	7.3	6.8	271	12.7	11.3
1983	486	8.2	7.3	265	6.9	6.4	221	10.7	10.8
1984	515	8.7	7.0	263	6.9	6.2	252	12.1	10.2
1985	496	8.3	7.0	273	7.0	6.1	223	10.8	10.3
1986	540	9.1	6.7	263	6.8	5.8	277	13.3	10.1
1987	482	8.1	6.5	233	6.0	5.5	249	12.0	10.0
1988	487	8.0	6.3	243	6.2	5.4	244	11.3	9.7
1989	500	8.0	6.2	256	6.4	5.2	244	10.9	9.6
1990	461	7.3	5.8	233	5.7	4.8	228	10.2	9.9
1991	460	7.3	5.6	204	5.0	4.5	256	11.6	9.5
1992	428	6.9	5.4	200	5.0	4.3	228	10.3	9.2
1993	408	6.6	5.3	200	5.0	4.3	208	9.6	9.0
1994	395	6.5	5.1	163	4.1	4.2	232	10.9	8.6
1995	388	6.4	4.9	180	4.5	4.1	208	10.1	8.1
1996	414	6.8	4.8	206	5.1	4.0	208	10.2	7.9
1997	374	6.1	4.8	193	4.8	4.0	181	8.8	7.7
1998	415	6.7	4.8	189	4.6	4.0	226	11.0	7.9
1999	382	6.2	4.7	176	4.2	3.9	206	10.1	8.0
2000	369	5.8	4.6	167	4.0	3.8	202	9.5	7.6
2001	355	5.9	4.5	170	4.2	3.8	185	9.3	7.4
2002	345	5.9	4.7	179	4.5	3.9	166	8.7	7.6
2003	312	5.3	4.6	150	3.7	3.9	162	8.7	7.4
2004	305	5.2	4.5	154	3.8	3.8	151	7.9	7.2
2005	342	5.7	4.5	189	4.6	3.8	153	7.9	7.2
2006	366	5.8	4.5	176	4.2	3.7	190	9.2	7.0
2007	407	6.3	4.4	215	5.0	3.7	192	9.1	6.9
2008	378	5.9	4.3	200	4.7	3.6	178	8.3	6.5
2009	313	5.9	4.2	149	3.6	3.5	164	8.0	6.5
2010	325	5.4	4.1	157	3.9	3.5	168	8.8	6.0
2011	306	5.2	4.1	158	4.0	3.5	148	7.6	6.0
2012	337	5.8	4.0	169	4.4	3.5	168	8.5	5.8
2013	322	5.5	4.0	164	4.2	3.5	158	8.1	5.8
2014	307	5.2	4.0	144	3.6	3.4	163	8.1	5.7
2015	300	5.0	3.9	126	3.2	-- ³	174	8.7	-- ³
2016	324	5.5	3.9	144	3.7	-- ³	180	9.1	-- ³
2017	257	4.4	3.9	123	3.2	-- ³	134	6.6	-- ³
2018	252	4.4	3.8	125	3.3	-- ³	127	6.5	-- ³

¹ Rate is per 1,000 live births in specified group.

² Infant deaths are by race of child. Live births for 1970-1989 are by race of child. Live births for 1990-2018 are by race of mother.

³ U.S. race-specific rates are not comparable to the Alabama race-specific rates for 2015-2018 due to a different tabulation method.

TABLE 62
POSTNEONATAL DEATHS AND POSTNEONATAL MORTALITY RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2018

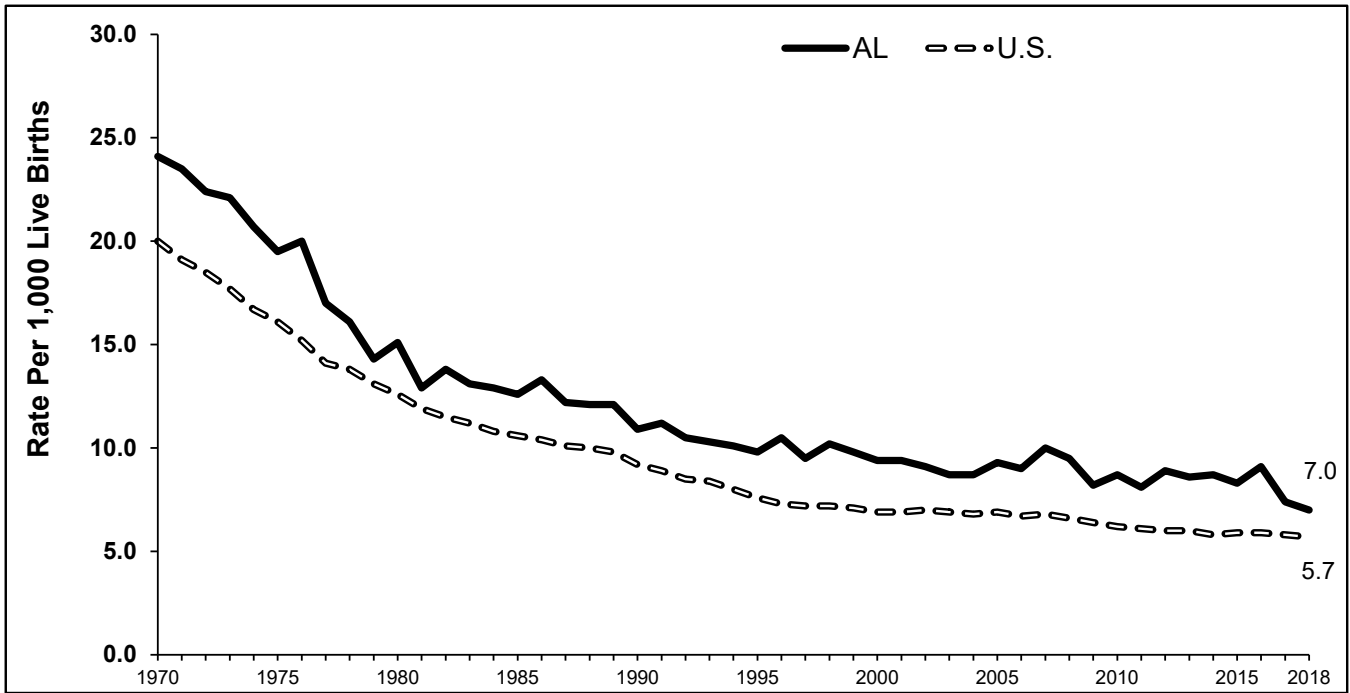
YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S.	ALABAMA		U.S.	ALABAMA		U.S.
	NUMBER	RATE	RATE	NUMBER	RATE	RATE	NUMBER	RATE	RATE
1970	457	6.8	4.9	171	3.8	4.0	286	12.9	9.5
1971	453	6.8	4.9	186	4.2	4.1	267	11.8	8.9
1972	427	6.9	4.9	175	4.4	4.0	252	11.6	8.5
1973	423	7.1	4.7	178	4.6	4.0	245	11.9	8.3
1974	337	5.7	4.4	158	4.1	3.7	179	8.6	7.4
1975	312	5.4	4.5	126	3.4	3.8	186	9.1	7.4
1976	361	6.2	4.3	159	4.2	3.6	202	9.9	7.2
1977	366	5.9	4.2	171	4.2	3.6	195	9.0	7.0
1978	315	5.2	4.3	132	3.4	3.6	183	8.5	7.1
1979	309	4.9	4.2	142	3.6	3.5	167	7.4	6.9
1980	337	5.3	4.1	156	3.8	3.5	181	7.9	6.6
1981	284	4.6	3.9	136	3.4	3.4	148	6.8	6.0
1982	275	4.6	3.8	115	3.0	3.3	160	7.5	6.0
1983	288	4.9	3.9	132	3.4	3.3	156	7.6	6.0
1984	249	4.2	3.8	105	2.7	3.2	144	6.9	5.9
1985	256	4.3	3.6	132	3.4	3.2	124	6.0	5.5
1986	248	4.2	3.7	111	2.9	3.1	137	6.6	5.6
1987	244	4.1	3.6	105	2.7	3.1	139	6.7	5.4
1988	248	4.1	3.6	122	3.1	3.1	126	5.8	5.4
1989	256	4.1	3.6	119	3.0	3.0	137	6.1	5.6
1990	228	3.6	3.4	105	2.6	2.8	123	5.5	5.7
1991	244	3.9	3.4	126	3.1	2.8	118	5.3	5.6
1992	223	3.6	3.1	103	2.6	2.6	120	5.4	5.2
1993	228	3.7	3.1	114	2.9	2.5	114	5.2	5.1
1994	222	3.6	2.9	112	2.8	2.4	110	5.2	4.9
1995	204	3.4	2.7	102	2.6	2.2	102	5.0	4.5
1996	220	3.6	2.5	125	3.1	2.1	95	4.7	4.3
1997	205	3.4	2.5	109	2.7	2.0	96	4.7	4.0
1998	217	3.5	2.4	127	3.1	2.0	90	4.4	4.1
1999	225	3.6	2.3	113	2.7	1.9	112	5.5	4.0
2000	225	3.6	2.3	107	2.6	1.9	118	5.6	3.8
2001	212	3.5	2.3	105	2.6	1.9	107	5.4	4.0
2002	193	3.3	2.3	99	2.5	1.9	94	4.9	3.9
2003	207	3.5	2.2	114	2.8	1.8	93	5.0	3.7
2004	211	3.6	2.3	116	2.9	1.9	95	5.0	3.7
2005	219	3.6	2.3	104	2.5	1.9	115	5.9	3.7
2006	203	3.2	2.2	108	2.5	1.8	95	4.6	3.6
2007	234	3.6	2.3	130	3.0	1.9	104	4.9	3.7
2008	234	3.6	2.3	124	2.9	1.9	110	5.1	3.6
2009	200	3.2	2.2	105	2.5	1.8	95	4.6	3.6
2010	197	3.3	2.1	108	2.7	1.7	89	4.5	3.3
2011	175	3.0	2.0	84	2.1	1.7	91	4.7	3.2
2012	182	3.1	2.0	84	2.2	1.6	98	5.0	3.0
2013	178	3.1	1.9	102	2.6	1.6	76	3.9	3.0
2014	210	3.5	1.9	94	2.4	1.6	116	5.8	2.9
2015	194	3.3	2.0	80	2.0	-- ³	114	5.7	-- ³
2016	213	3.6	2.0	111	2.8	-- ³	102	5.1	-- ³
2017	178	3.0	1.9	90	2.3	-- ³	88	4.4	-- ³
2018	153	2.6	1.9	71	1.9	-- ³	82	4.2	-- ³

¹ Rate is per 1,000 live births in specified group.

² Infant deaths are by race of child. Live births for 1970-1989 are by race of child. Live births for 1990-2018 are by race of mother.

³ U.S. race-specific rates are not comparable to the Alabama race-specific rates for 2015-2018 due to a different tabulation method.

**FIGURE 11. INFANT MORTALITY RATES
ALABAMA AND UNITED STATES, 1970-2018**



**FIGURE 12. NEONATAL AND POSNEONATAL MORTALITY RATES
ALABAMA, 1970-2018**

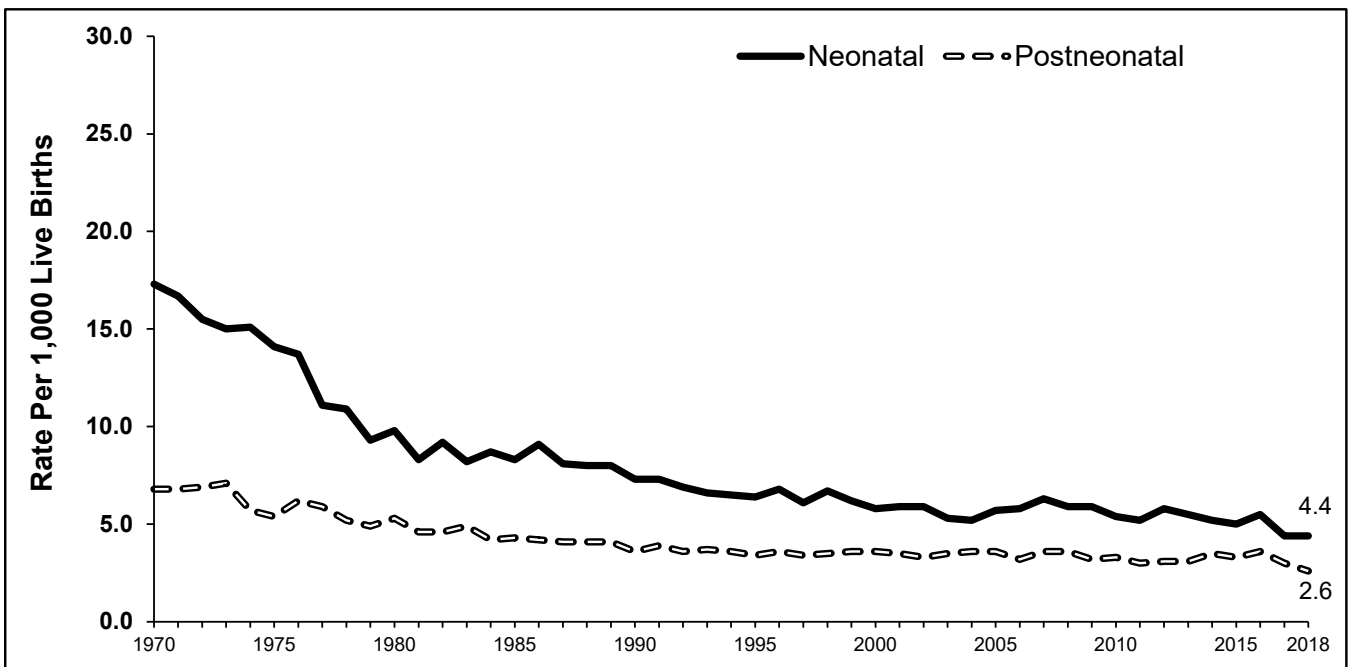


TABLE 63
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY COUNTY OF RESIDENCE AND RACE²
ALABAMA, 2018

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	405	7.0	196	5.1	209	10.7
Autauga	4	6.6	2	4.5	2	12.4
Baldwin	10	4.4	10	5.1	0	0.0
Barbour	3	11.6	0	0.0	3	19.4
Bibb	0	0.0	0	0.0	0	0.0
Blount	6	8.9	6	9.1	0	0.0
Bullock	2	16.5	0	0.0	2	21.7
Butler	3	14.4	1	10.4	2	17.7
Calhoun	8	6.3	2	2.2	6	16.6
Chambers	4	11.1	3	14.9	1	6.3
Cherokee	5	21.5	5	23.1	0	0.0
Chilton	3	5.5	2	4.3	1	13.3
Choctaw	4	28.0	1	11.4	3	54.5
Clarke	2	7.4	0	0.0	2	13.4
Clay	0	0.0	0	0.0	0	0.0
Cleburne	1	5.5	1	5.7	0	0.0
Coffee	0	0.0	0	0.0	0	0.0
Colbert	3	4.7	3	5.7	0	0.0
Conecuh	2	15.3	0	0.0	2	34.5
Coosa	2	23.5	2	33.9	0	0.0
Covington	1	2.5	1	3.0	0	0.0
Crenshaw	0	0.0	0	0.0	0	0.0
Cullman	3	3.1	2	2.1	1	58.8
Dale	5	7.6	5	10.3	0	0.0
Dallas	0	0.0	0	0.0	0	0.0
DeKalb	7	8.5	7	8.9	0	0.0
Elmore	8	8.6	4	5.6	4	18.4
Escambia	3	6.9	0	0.0	3	18.8
Etowah	6	5.0	2	2.2	4	15.0
Fayette	0	0.0	0	0.0	0	0.0
Franklin	2	4.6	2	4.9	0	0.0
Geneva	0	0.0	0	0.0	0	0.0
Greene	0	0.0	0	0.0	0	0.0
Hale	0	0.0	0	0.0	0	0.0
Henry	1	6.5	1	9.0	0	0.0
Houston	14	10.2	8	9.5	6	11.4
Jackson	2	3.5	2	3.8	0	0.0
Jefferson	69	8.2	22	5.0	47	11.6
Lamar	0	0.0	0	0.0	0	0.0
Lauderdale	5	5.4	3	3.8	2	15.4
Lawrence	3	8.8	3	9.9	0	0.0
Lee	16	8.9	7	5.7	9	15.5
Limestone	4	4.0	3	3.4	1	7.4
Lowndes	2	16.4	1	34.5	1	10.8
Macon	1	5.6	0	0.0	1	7.0
Madison	28	6.6	17	6.1	11	7.5
Marengo	0	0.0	0	0.0	0	0.0
Marion	5	15.7	5	16.5	0	0.0
Marshall	3	2.2	2	1.5	1	11.6
Mobile	50	9.0	18	6.2	32	12.1
Monroe	2	10.4	0	0.0	2	21.3
Montgomery	29	9.2	7	7.4	22	10.0
Morgan	4	2.8	2	1.7	2	7.6
Perry	1	11.0	0	0.0	1	15.4
Pickens	0	0.0	0	0.0	0	0.0
Pike	2	5.5	1	5.4	1	5.7
Randolph	1	4.0	0	0.0	1	21.7
Russell	4	5.1	0	0.0	4	10.9
St. Clair	2	2.1	2	2.3	0	0.0
Shelby	15	6.7	9	4.9	6	14.3
Sumter	2	14.3	0	0.0	2	18.5
Talladega	5	5.7	1	1.8	4	12.2
Tallapoosa	4	10.2	0	0.0	4	30.8
Tuscaloosa	19	7.9	7	5.6	12	10.5
Walker	11	14.3	11	15.1	0	0.0
Washington	1	5.4	0	0.0	1	20.0
Wilcox	1	7.7	1	45.5	0	0.0
Winston	2	8.3	2	8.5	0	0.0

¹ Rate is per 1,000 live births in specified group.

² Infant deaths are by race of child and live births are by race of mother. See formula in Appendix B. Use caution with rates derived from small numbers or based on small birth totals. Rates which apply to populations with fewer than 50 births are shaded.

TABLE 64
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY AGE AT DEATH AND RACE²
ALABAMA, 2018

AGE AT DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	405	7.0	196	5.1	209	10.7
Under 1 day	148	2.6	73	1.9	75	3.8
1 day - 6 days	44	0.8	22	0.6	22	1.1
7 days - 27 days	60	1.0	30	0.8	30	1.5
28 days - 364 days	153	2.6	71	1.9	82	4.2

¹ Rate is per 1,000 live births in specified group.

² Infant deaths are by race of child and births are by race of mother. See formula in Appendix B. Use caution with rates derived from small numbers.

TABLE 65
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY LIVE BIRTH ORDER
ALABAMA, 2018

LIVE BIRTH ORDER	LIVE BIRTHS	INFANT DEATHS	RATE
TOTAL	57,754	402	7.0
First	18,675	168	9.0
Second	16,463	114	6.9
Third	10,890	55	5.1
Fourth	5,881	28	4.8
Fifth	3,007	23	7.6
Sixth	1,412	7	5.0
Seventh and above	1,394	7	5.0
Not stated	32	0	--

¹ Rate is per 1,000 live births in specified group. See formula in Appendix B. Use caution with rates derived from small numbers.

TABLE 66
INFANT DEATHS AND INFANT MORTALITY RATES¹ BY CAUSE OF DEATH AND RACE OF CHILD
ALABAMA, 2018

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	405	7.0	196	5.1	209	10.7
Certain infectious and parasitic diseases	16	27.7	6	15.7	10	51.0
Septicemia	6	10.4	2	5.2	4	20.4
Viral diseases	2	3.5	0	0.0	2	10.2
Other and unspecified infectious and parasitic diseases	8	13.9	4	10.5	4	20.4
Neoplasms	1	1.7	0	0.0	1	5.1
Malignant neoplasms	1	1.7	0	0.0	1	5.1
In situ neoplasms, benign neoplasms and uncertain or unknown neoplasms	0	0.0	0	0.0	0	0.0
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	0	0.0	0	0.0	0	0.0
Endocrine, nutritional and metabolic diseases	4	6.9	2	5.2	2	10.2
Short stature, not elsewhere classified	0	0.0	0	0.0	0	0.0
Nutritional deficiencies	0	0.0	0	0.0	0	0.0
Cystic fibrosis	0	0.0	0	0.0	0	0.0
Volume depletion, disorders of fluid, electrolyte and acid-base balance	3	5.2	2	5.2	1	5.1
Other endocrine, nutritional and metabolic diseases	1	1.7	0	0.0	1	5.1
Diseases of the nervous system	4	6.9	2	5.2	2	10.2
Meningitis	2	3.5	1	2.6	1	5.1
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	0	0.0	0	0.0	0	0.0
Infantile cerebral palsy	0	0.0	0	0.0	0	0.0
Anoxic brain damage, not elsewhere classified	0	0.0	0	0.0	0	0.0
Other diseases of the nervous system	2	3.5	1	2.6	1	5.1
Diseases of the ear and mastoid process	0	0.0	0	0.0	0	0.0
Diseases of the circulatory system	13	22.5	8	21.0	5	25.5
Pulmonary heart disease and diseases of pulmonary circulation	3	5.2	3	7.9	0	0.0
Cardiomyopathy	1	1.7	1	2.6	0	0.0
Cardiac arrest	2	3.5	2	5.2	0	0.0
Cerebrovascular diseases	7	12.1	2	5.2	5	25.5
Other diseases of the circulatory system	0	0.0	0	0.0	0	0.0
Diseases of the respiratory system	8	13.9	2	5.2	6	30.6
Acute upper respiratory infections	0	0.0	0	0.0	0	0.0
Influenza and pneumonia	2	3.5	0	0.0	2	10.2
Acute bronchitis and acute bronchiolitis	2	3.5	0	0.0	2	10.2
Bronchitis, chronic and unspecified	0	0.0	0	0.0	0	0.0
Asthma	0	0.0	0	0.0	0	0.0
Pneumonitis due to solids and liquids	1	1.7	1	2.6	0	0.0
Other and unspecified diseases of the respiratory system	3	5.2	1	2.6	2	10.2
Diseases of the digestive system	2	3.5	0	0.0	2	10.2
Gastritis, duodenitis, and noninfective enteritis and colitis	0	0.0	0	0.0	0	0.0
Hernia of abdominal cavity and intestinal obstruction without hernia	0	0.0	0	0.0	0	0.0
Other and unspecified diseases of the digestive system	2	3.5	0	0.0	2	10.2
Diseases of the genitourinary system	2	3.5	0	0.0	2	10.2
Renal failure and other disorders of the kidney	1	1.7	0	0.0	1	5.1
Other and unspecified diseases of the genitourinary system	1	1.7	0	0.0	1	5.1

¹ Rate is per 1,000 live births in specified group. Infant deaths are by race of child and live births are by race of mother. See formula in Appendix B. Use caution with rates derived from small numbers.

TABLE 66 (Continued)
INFANT DEATHS AND INFANT MORTALITY RATES¹ BY CAUSE OF DEATH AND RACE OF CHILD
ALABAMA, 2018

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	405	7.0	196	5.1	209	10.7
Certain conditions originating in the perinatal period	189	327.3	85	222.8	104	530.5
Newborn affected by maternal factors and complications of pregnancy, labor and delivery	20	34.6	9	23.6	11	56.1
Newborn affected by maternal hypertensive disorders	1	1.7	1	2.6	0	0.0
Newborn affected by other maternal conditions which may be unrelated to present pregnancy	0	0.0	0	0.0	0	0.0
Newborn affected by maternal complications of pregnancy	11	19.0	4	10.5	7	35.7
Newborn affected by incompetent cervix	5	8.7	1	2.6	4	20.4
Newborn affected by premature rupture of membranes	5	8.7	2	5.2	3	15.3
Newborn affected by multiple pregnancy	0	0.0	0	0.0	0	0.0
Newborn affected by other maternal complications of pregnancy	1	1.7	1	2.6	0	0.0
Newborn affected by complications of placenta, cord and membranes	7	12.1	4	10.5	3	15.3
Newborn affected by complications involving placenta	6	10.4	4	10.5	2	10.2
Newborn affected by complications involving cord	0	0.0	0	0.0	0	0.0
Newborn affected by chorioamnionitis	1	1.7	0	0.0	1	5.1
Newborn affected by other and unspecified abnormalities of membranes	0	0.0	0	0.0	0	0.0
Newborn affected by other complications of labor and delivery	1	1.7	0	0.0	1	5.1
Newborn affected by noxious influences transmitted by placenta or breastmilk	0	0.0	0	0.0	0	0.0
Disorders related to length of gestation and fetal malnutrition	80	138.5	32	83.9	48	244.8
Slow growth and fetal malnutrition	2	3.5	2	5.2	0	0.0
Disorders related to short gestation and low birth weight, not elsewhere classified	78	135.1	30	78.6	48	244.8
Extremely low birth weight or extreme immaturity	64	110.8	25	65.5	39	198.9
Other low birth weight or preterm	14	24.2	5	13.1	9	45.9
Disorders related to long gestation and high birthweight	0	0.0	0	0.0	0	0.0
Birth trauma	0	0.0	0	0.0	0	0.0
Intrauterine hypoxia and birth asphyxia	2	3.5	2	5.2	0	0.0
Intrauterine hypoxia	0	0.0	0	0.0	0	0.0
Birth asphyxia	2	3.5	2	5.2	0	0.0
Respiratory distress of newborn	6	10.4	4	10.5	2	10.2
Other respiratory conditions originating in the perinatal period	17	29.4	5	13.1	12	61.2
Congenital pneumonia	0	0.0	0	0.0	0	0.0
Neonatal aspiration syndromes	1	1.7	0	0.0	1	5.1
Interstitial emphysema and related conditions originating in the perinatal period	2	3.5	1	2.6	1	5.1
Pulmonary hemorrhage originating in the perinatal period	4	6.9	1	2.6	3	15.3
Chronic respiratory disease originating in the perinatal period	4	6.9	1	2.6	3	15.3
Atelectasis	3	5.2	0	0.0	3	15.3
Other respiratory conditions originating in the perinatal period	3	5.2	2	5.2	1	5.1
Infections specific to the perinatal period	24	41.6	15	39.3	9	45.9
Bacterial sepsis of newborn	22	38.1	13	34.1	9	45.9
Other infections specific to the perinatal period	2	3.5	2	5.2	0	0.0
Hemorrhagic and hematological disorders of newborn	9	15.6	3	7.9	6	30.6
Neonatal hemorrhage	9	15.6	3	7.9	6	30.6
Hemorrhagic disease of newborn	0	0.0	0	0.0	0	0.0
Hemolytic disease of newborn	0	0.0	0	0.0	0	0.0
Hematological disorders	0	0.0	0	0.0	0	0.0

¹ Rate is per 1,000 live births in specified group. Infant deaths are by race of child and live births are by race of mother. See formula in Appendix B. Use caution with rates derived from small numbers.

TABLE 66 (Continued)
INFANT DEATHS AND INFANT MORTALITY RATES¹ BY CAUSE OF DEATH AND RACE OF CHILD
ALABAMA, 2018

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	405	7.0	196	5.1	209	10.7
Neonatal diabetes mellitus and syndrome of infant of diabetic mother	0	0.0	0	0.0	0	0.0
Necrotizing enterocolitis of newborn	8	13.9	2	5.2	6	30.6
Hydrops fetalis not due to hemolytic disease	2	3.5	1	2.6	1	5.1
Other perinatal conditions	21	36.4	12	31.5	9	45.9
Congenital malformations, deformations and chromosomal abnormalities	81	140.3	48	125.8	33	168.3
Anencephaly and similar malformations	4	6.9	2	5.2	2	10.2
Congenital hydrocephalus	2	3.5	1	2.6	1	5.1
Spina bifida	0	0.0	0	0.0	0	0.0
Other congenital malformations of the nervous system	1	1.7	1	2.6	0	0.0
Congenital malformations of the heart	12	20.8	6	15.7	6	30.6
Other congenital malformations of the circulatory system	2	3.5	0	0.0	2	10.2
Congenital malformations of the respiratory system	5	8.7	5	13.1	0	0.0
Congenital malformations of the digestive system	0	0.0	0	0.0	0	0.0
Congenital malformations of the genitourinary system	12	20.8	8	21.0	4	20.4
Congenital malformations and deformations of musculoskeletal system, limbs and integument	10	17.3	6	15.7	4	20.4
Down's syndrome	0	0.0	0	0.0	0	0.0
Edward's syndrome	6	10.4	2	5.2	4	20.4
Patau's syndrome	6	10.4	4	10.5	2	10.2
Other congenital malformations and deformations	20	34.6	12	31.5	8	40.8
Other chromosomal abnormalities, not elsewhere classified	1	1.7	1	2.6	0	0.0
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	62	107.4	35	91.7	27	137.7
Sudden infant death syndrome	22	38.1	13	34.1	9	45.9
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	40	69.3	22	57.7	18	91.8
All other diseases (residual of A00-R99)	0	0.0	0	0.0	0	0.0
External causes of mortality	23	39.8	8	21.0	15	76.5
Accidents	13	22.5	3	7.9	10	51.0
Motor vehicle accidents	4	6.9	2	5.2	5	25.5
Falls	0	0.0	0	0.0	2	10.2
Accidental discharge of firearms	0	0.0	0	0.0	0	0.0
Drowning	0	0.0	0	0.0	0	0.0
Accidental suffocation and strangulation in bed	9	15.6	1	2.6	8	40.8
Other accidental suffocation and strangulation	0	0.0	0	0.0	0	0.0
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	0	0.0	0	0.0	0	0.0
Accidents caused by exposure to smoke, fire and flames	0	0.0	0	0.0	0	0.0
Accidental poisoning and exposure to noxious substances	0	0.0	0	0.0	0	0.0
Other and unspecified accidents and their sequelae	0	0.0	0	0.0	0	0.0
Homicide (assault)	0	0.0	0	0.0	0	0.0
Homicide by hanging, strangulation and suffocation	177	306.5	71	186.1	106	540.7
Homicide by discharge of firearms	0	0.0	0	0.0	0	0.0
Neglect, abandonment and other maltreatment syndromes	2	3.5	0	0.0	2	10.2
Homicide by other and unspecified means	5	8.7	2	5.2	3	15.3
Complications of medical and surgical care	0	0.0	0	0.0	0	0.0
Other external causes	3	5.2	3	7.9	0	0.0

¹ Rate is per 1,000 live births in specified group. Infant deaths are by race of child and live births are by race of mother. See formula in Appendix B. Use caution with rates derived from small numbers.

TABLE 67
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY RACE² OF CHILD AND AGE GROUP OF MOTHER
ALABAMA, 2018

AGE GROUP OF MOTHER	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	402	7.0	195	5.1	207	10.6
Under 15	2	52.6	0	0.0	2	95.2
15-17	6	6.1	1	2.0	5	10.5
18-19	21	7.1	9	5.1	12	10.2
20-24	124	8.1	55	5.9	69	11.8
25-29	131	7.1	64	5.2	67	11.3
30-34	71	5.3	41	4.3	30	7.6
35-39	38	6.7	21	5.4	17	9.6
40+	9	8.3	4	5.6	5	13.3
Not stated	0	--	0	--	0	--

¹ Rate is per 1,000 live births in specified group. See formula in Appendix B. Use caution with rates derived from small numbers.

² Infant deaths are by race of child and live births are by race of mother.

TABLE 68
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY WEIGHT AT BIRTH AND RACE² OF CHILD
ALABAMA, 2018

BIRTH WEIGHT IN GRAMS	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	402	7.0	195	5.1	207	10.6
0-499 grams	104	806.2	42	875.0	62	765.4
500-999 grams	67	167.5	31	198.7	36	147.5
1,000-1,499 grams	23	40.6	12	45.1	11	36.7
1,500-1,999 grams	34	27.8	18	29.7	16	25.8
2,000-2,499 grams	50	12.9	30	14.8	20	10.8
2,500-4,499 grams	117	2.3	59	1.7	58	3.5
4,500+ grams	1	2.1	0	0.0	1	11.8
Not stated	6	--	3	--	3	--

¹ Rate is per 1,000 live births in specified group. See formula in Appendix B. Use caution with rates derived from small numbers.

² Infant deaths are by race of child and live births are by race of mother.

TABLE 69
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY PLURALITY AT BIRTH, RACE² AND SEX
ALABAMA, 2018

PLURALITY AT BIRTH	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	402	7.0	117	5.9	78	4.2	118	11.8	89	9.2
Single	341	6.1	103	5.4	65	3.7	99	10.3	74	8.1
Multiple	61	29.0	14	21.8	13	20.7	19	49.1	15	33.3
Twins	56	27.8	12	19.7	13	22.0	18	48.4	13	29.4
Triplets or higher order	5	54.9	2	62.5	0	0.0	1	66.7	2	222.2

¹ Rate is per 1,000 live births in specified group. Rates include only those births where birth order was known. See formula in Appendix B. Use caution with rates derived from small numbers or based on small birth totals. Rates that apply to populations with fewer than 50 births are shaded.

² Infant deaths are by race of child and live births are by race of mother.

TABLE 70
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY ADEQUACY OF PRENATAL CARE AND RACE²
ALABAMA, 2018

ADEQUACY OF PRENATAL CARE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Adequate plus	186	9.2	88	6.6	98	14.5
Adequate	62	2.9	29	2	33	5.2
Intermediate	18	4.6	8	3	10	7.6
Inadequate	76	7.2	41	6.8	35	7.8

¹ Rate is per 1,000 live births in specified group. Rates include only those births where the Adequacy of Prenatal Care Utilization Index (Kotelchuck Index) value was known. See formula in Appendix B. Use caution with rates derived from small numbers or based on small birth totals.

² Infant deaths are by race of child and live births are by race of mother.

TABLE 71
NUMBERS AND RATES¹ OF MARRIAGES AND DIVORCES
ALABAMA AND UNITED STATES², 1970, 1980, 1990, 1995, 2000-2018

YEAR	MARRIAGES			DIVORCES		
	NUMBER	RATE	U.S. RATE	NUMBER	RATE	U.S. RATE
1970	46,959	13.6	10.6	15,109	4.4	3.5
1980	49,018	12.6	10.6	26,745	6.9	5.2
1990	43,050	10.7	9.8	25,678	6.4	4.7
1995	42,234	10.3	8.9	25,813	6.3	4.4
2000	47,087	10.6	8.2	24,630	5.5	4.0
2001	45,052	10.0	8.2	24,159	5.4	4.0
2002	44,158	9.8	8.0	24,059	5.3	3.9
2003	43,139	9.6	7.7	23,205	5.2	3.8
2004	42,537	9.4	7.8	22,405	4.9	3.7
2005	41,962	9.2	7.6	22,430	4.9	3.6
2006	42,386	9.2	7.5	22,867	5.0	3.7
2007	41,622	9.0	7.3	21,255	4.6	3.6
2008	40,638	8.7	7.1	20,311	4.4	3.5
2009	39,278	8.3	6.8	20,757	4.4	3.5
2010	39,382	8.2	6.8	21,238	4.4	3.6
2011	40,523	8.4	6.8	20,550	4.3	3.6
2012	39,489	8.2	6.8	17,193	3.6	3.4
2013	37,789	7.8	6.8	17,805	3.7	3.3
2014	37,945	7.8	6.9	18,504	3.8	3.2
2015	35,726	7.4	6.9	18,946	3.9	3.1
2016	34,822	7.2	7.0	18,329	3.8	3.0
2017	34,329	7.0	6.9	17,887	3.7	2.9
2018	33,057	6.8	6.5	18,200	3.7	2.9

¹ Rates are per 1,000 population. See formula in Appendix B.

² After 1990, National Center for Health Statistics' method for obtaining marriage data changed, so U.S. rates may not be comparable to earlier years.

FIGURE 13. MARRIAGE AND DIVORCE RATES
ALABAMA AND UNITED STATES, 2000-2018

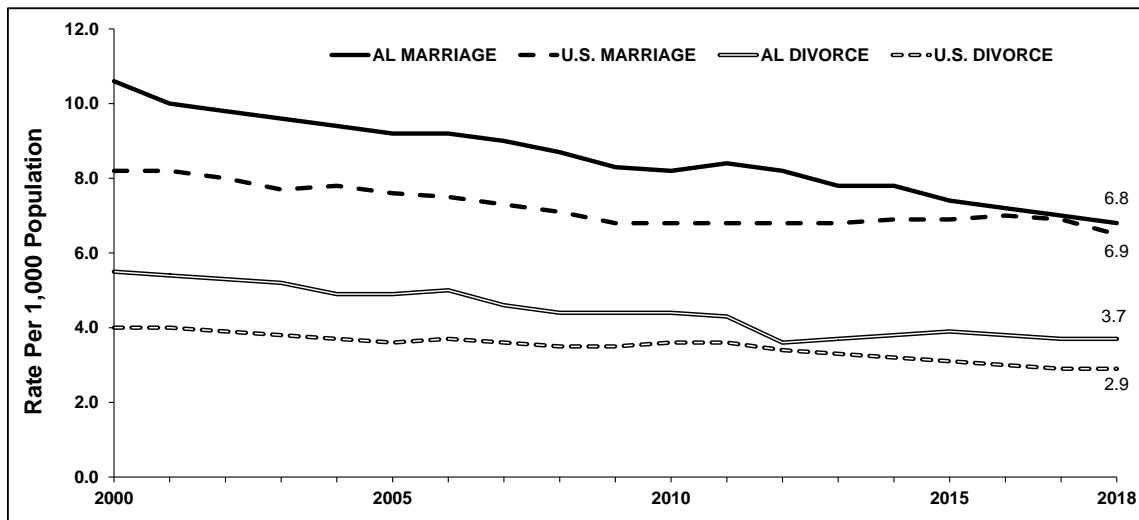


TABLE 72
NUMBERS AND RATES¹ OF MARRIAGES AND DIVORCES BY ISSUING COUNTY
ALABAMA, 2018

ISSUING COUNTY	MARRIAGES		DIVORCES	
	NUMBER	RATE	NUMBER	RATE
TOTAL	33,057	6.8	18,200	3.7
Autauga	0	0.0	203	3.7
Baldwin	2,135	9.8	817	3.7
Barbour	108	4.3	59	2.4
Bibb	117	5.2	0	0.0
Blount	405	7.0	229	4.0
Bullock	64	6.3	1	0.1
Butler	207	10.5	80	4.1
Calhoun	792	6.9	484	4.2
Chambers	90	2.7	127	3.8
Cherokee	183	7.0	118	4.5
Chilton	347	7.9	285	6.5
Choctaw	90	7.0	9	0.7
Clarke	0	0.0	91	3.8
Clay	68	5.1	35	2.6
Cleburne	0	0.0	75	5.0
Coffee	725	14.0	191	3.7
Colbert	315	5.8	235	4.3
Conecuh	89	7.2	26	2.1
Coosa	43	4.0	27	2.5
Covington	0	0.0	144	3.9
Crenshaw	126	9.1	51	3.7
Cullman	717	8.6	456	5.5
Dale	405	8.3	227	4.6
Dallas	133	3.5	77	2.0
DeKalb	511	7.2	17	0.2
Elmore	0	0.0	306	3.7
Escambia	160	4.4	100	2.7
Etowah	831	8.1	488	4.8
Fayette	121	7.4	17	1.0
Franklin	165	5.3	129	4.1
Geneva	0	0.0	124	4.7
Greene	53	6.4	11	1.3
Hale	50	3.4	35	2.4
Henry	113	6.6	62	3.6
Houston	639	6.1	438	4.2
Jackson	455	8.8	221	4.3
Jefferson	4,706	7.1	2,591	3.9
Lamar	65	4.7	103	7.4
Lauderdale	640	6.9	313	3.4
Lawrence	182	5.5	102	3.1
Lee	671	4.1	419	2.6
Limestone	611	6.4	373	3.9
Lowndes	47	4.7	48	4.8
Macon	97	5.3	41	2.2
Madison	2,638	7.2	1,375	3.8
Marengo	82	4.3	47	2.5
Marion	502	16.9	119	4.0
Marshall	654	6.8	495	5.2
Mobile	2,921	7.1	1,502	3.6
Monroe	144	6.8	90	4.3
Montgomery	2,710	12.0	805	3.6
Morgan	846	7.1	502	4.2
Perry	55	6.0	15	1.6
Pickens	79	4.0	69	3.5
Pike	0	0.0	97	2.9
Randolph	191	8.4	106	4.7
Russell	416	7.2	281	4.9
St. Clair	700	7.9	410	4.6
Shelby	1,162	5.4	661	3.1
Sumter	43	3.4	10	0.8
Talladega	482	6.0	344	4.3
Tallapoosa	234	5.8	114	2.8
Tuscaloosa	1,261	6.0	627	3.0
Walker	408	6.4	339	5.3
Washington	0	0.0	83	5.1
Wilcox	113	10.6	25	2.4
Winston	140	5.9	99	4.2

¹ Rate is per 1,000 population. See formula in Appendix B. Use caution with rates derived from small numbers or based on small populations.

TABLE 73
MARRIAGES AND MARRIAGE RATES¹ BY MONTH OF OCCURRENCE
ALABAMA, 2018

MONTH	ALL MARRIAGES		SAME SEX MARRIAGES
	NUMBER	RATE	
TOTAL	33,057	6.8	675
January	1,456	3.5	38
February	1,895	5.1	40
March	2,998	7.2	62
April	2,980	7.4	55
May	3,230	7.8	60
June	3,555	8.8	84
July	2,628	6.3	54
August	2,616	6.3	44
September	3,002	7.5	56
October	3,621	8.7	75
November	2,591	6.4	57
December	2,485	6.0	50

¹ Rate is per 1,000 population. See formula in Appendix B.

TABLE 74
MARRIAGES BY RACE OF SPOUSE
ALABAMA, 2018

RACE OF SPOUSE 1	RACE OF SPOUSE 2				
	TOTAL	WHITE	BLACK	OTHER	NOT STATED
TOTAL	33,057	25,275	6,567	1,064	151
WHITE	25,007	23,966	433	551	57
BLACK	7,064	875	5,991	157	41
OTHER	852	392	105	351	4
NOT STATED	134	42	38	5	49

TABLE 75
MARRIAGES BY PREVIOUS MARITAL STATUS OF SPOUSE
ALABAMA, 2018

MARITAL STATUS OF SPOUSE 1	MARITAL STATUS OF SPOUSE 2				
	TOTAL	NEVER MARRIED	WIDOWED	DIVORCED	NOT STATED
TOTAL	33,057	19,658	1,130	11,569	700
NEVER MARRIED	19,571	16,281	178	3,053	59
WIDOWED	1,052	132	329	578	13
DIVORCED	11,751	3,190	617	7,804	140
NOT STATED	683	55	6	134	488

TABLE 76
MARRIAGES BY AGE GROUP OF SPOUSE
ALABAMA, 2018

AGE GROUP OF SPOUSE 1	AGE GROUP OF SPOUSE 2														
	TOTAL	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+	NOT STATED
TOTAL	33,057	1,385	7,698	7,411	4,487	3,279	2,555	2,235	1,538	1,021	690	393	202	159	4
15-19	620	411	185	16	3	1	3	0	0	0	0	0	0	0	1
20-24	6,087	807	4,340	766	118	36	15	3	2	0	0	0	0	0	0
25-29	7,409	118	2,489	3,804	720	202	50	15	9	1	0	0	0	0	1
30-34	4,893	26	463	1,856	1,740	544	178	61	23	1	1	0	0	0	0
35-39	3,546	14	131	628	1,118	1,071	402	142	26	7	4	2	0	0	1
40-44	2,675	5	52	190	445	782	781	312	78	24	5	1	0	0	0
45-49	2,474	1	24	98	217	398	640	753	249	70	17	6	0	0	1
50-54	1,795	2	9	28	68	151	303	520	483	168	44	13	6	0	0
55-59	1,387	1	3	10	38	59	120	259	387	365	115	22	4	4	0
60-64	906	0	1	10	8	19	34	117	179	221	229	73	15	0	0
65-69	599	0	0	2	9	7	19	34	72	113	154	135	43	11	0
70-74	351	0	1	1	2	6	6	8	22	36	82	90	71	26	0
75+	314	0	0	1	1	3	4	11	8	15	39	51	63	118	0
NOT STATED	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0

TABLE 77
DIVORCES¹ AND ANNULMENTS BY DURATION OF MARRIAGE
AND NUMBER OF MINOR CHILDREN²
ALABAMA, 2018

DURATION OF MARRIAGE (IN YEARS)	NUMBER OF MINOR CHILDREN											
	TOTAL	0	1	2	3	4	5	6	7	8	9+	NOT STATED
TOTAL	18,200	11,127	3,537	2,588	742	154	31	7	4	1	1	8
UNDER 1	752	702	40	8	1	0	0	0	0	0	0	1
1-4	5,228	3,810	966	378	56	11	3	1	0	1	0	2
5-9	4,760	2,582	1,122	819	190	39	4	2	0	0	0	2
10-14	2,819	1,246	574	705	240	43	7	1	1	0	0	2
15-19	1,768	735	361	432	181	43	12	2	1	0	1	0
20-24	1,237	679	292	187	57	16	3	1	2	0	0	0
25-29	745	561	130	41	10	2	1	0	0	0	0	0
30-34	408	357	38	10	2	0	1	0	0	0	0	0
35-39	218	210	7	0	1	0	0	0	0	0	0	0
40+	168	165	2	0	1	0	0	0	0	0	0	0
NOT STATED	97	80	5	8	3	0	0	0	0	0	0	1

¹ Divorces include the following decree types: divorce, dissolution, not stated and not classifiable.

² Children 18 years of age and under are considered minors in Alabama.

TABLE 78
DIVORCES¹ AND ANNULMENTS BY PARTY TO WHOM GRANTED
ALABAMA, 2018

PARTY TO WHOM DIVORCE GRANTED	TOTAL	DIVORCES	ANNULMENTS
TOTAL	18,200	18,140	60
Spouse 1	1,257	1,247	10
Spouse 2	1,953	1,939	14
Spouse 1 and Spouse 2	14,927	14,891	36
Not stated	63	63	0

¹ Divorces include the following decree types: divorce, dissolution, not stated and not classifiable.

TABLE 79
DIVORCES¹ AND ANNULMENTS BY RACE OF SPOUSE
ALABAMA, 2018

RACE OF SPOUSE 1	RACE OF SPOUSE 2		
	TOTAL	WHITE	BLACK AND OTHER
TOTAL	18,200	13,571	4,629
WHITE	13,774	13,272	502
BLACK AND OTHER	4,426	299	4,127

¹ Divorces include the following decree types: divorce, dissolution, not stated and not classifiable.

TABLE 80
DIVORCES¹ AND ANNULMENTS BY LEGAL GROUNDS FOR DECREE
ALABAMA, 2018

LEGAL GROUNDS	TOTAL	DIVORCES	ANNULMENTS
TOTAL	18,200	18,140	60
Abandonment	49	49	0
Adultery	184	184	0
Bigamy	10	3	7
Cruelty or violence	96	96	0
Fraud	16	4	12
Incompatibility	13,978	13,958	20
Irretrievable breakdown	3,710	3,706	4
All other causes	139	122	17
Not stated	18	18	0

¹ Divorces include the following decree types: divorce, dissolution, not stated and not classifiable.

TABLE 81
DIVORCES¹ AND ANNULMENTS BY AGE GROUP OF SPOUSE
ALABAMA, 2018

AGE GROUP OF SPOUSE 1	AGE GROUP OF SPOUSE 2														
	TOTAL	UNDER 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	NOT STATED
TOTAL	18,200	68	1,133	2,500	2,829	2,934	2,595	2,241	1,544	1,129	660	294	143	89	41
UNDER 20	28	14	10	2	2	0	0	0	0	0	0	0	0	0	0
20-24	691	46	508	108	15	7	3	0	0	0	0	0	0	0	4
25-29	1,993	5	481	1,166	265	47	21	4	0	2	0	0	0	0	2
30-34	2,629	1	83	845	1,208	339	96	39	9	5	1	1	0	0	2
35-39	2,841	1	31	247	842	1,223	357	105	21	10	1	0	0	0	3
40-44	2,583	0	10	73	294	810	976	315	70	22	6	2	1	1	3
45-49	2,459	0	2	33	118	313	742	897	264	62	13	3	2	2	8
50-54	1,845	1	4	14	48	121	263	570	570	188	56	7	1	1	1
55-59	1,364	0	1	2	18	53	78	210	400	453	110	29	6	2	2
60-64	837	0	0	3	6	8	41	57	145	246	246	66	13	4	2
65-69	482	0	0	1	4	7	13	29	44	98	145	102	26	10	3
70-74	245	0	0	0	3	1	3	7	15	33	63	57	54	9	0
75+	162	0	0	0	0	0	0	2	5	9	19	27	40	60	0
NOT STATED	41	0	3	6	6	5	2	6	1	1	0	0	0	0	11

¹ Divorces include the following decree types: divorce, dissolution, not stated or not classifiable.

TABLE 82
ESTIMATED POPULATION¹ BY COUNTY, RACE AND SEX
ALABAMA, 2018

	ALL RACES			WHITE			BLACK AND OTHER		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	4,887,871	2,364,115	2,523,756	3,379,955	1,658,530	1,721,425	1,507,916	705,585	802,331
Autauga	55,601	26,995	28,606	42,660	20,859	21,801	12,941	6,136	6,805
Baldwin	218,022	105,657	112,365	190,301	92,471	97,830	27,721	13,186	14,535
Barbour	24,881	13,133	11,748	12,209	6,410	5,799	12,672	6,723	5,949
Bibb	22,400	11,921	10,479	17,211	8,762	8,449	5,189	3,159	2,030
Blount	57,840	28,500	29,340	55,456	27,307	28,149	2,384	1,193	1,191
Bullock	10,138	5,527	4,611	2,661	1,615	1,046	7,477	3,912	3,565
Butler	19,680	9,165	10,515	10,283	4,899	5,384	9,397	4,266	5,131
Calhoun	114,277	54,914	59,363	86,026	41,758	44,268	28,251	13,156	15,095
Chambers	33,615	16,093	17,522	19,182	9,291	9,891	14,433	6,802	7,631
Cherokee	26,032	12,896	13,136	24,217	11,983	12,234	1,815	913	902
Chilton	44,153	21,668	22,485	38,459	18,888	19,571	5,694	2,780	2,914
Choctaw	12,841	6,070	6,771	7,343	3,587	3,756	5,498	2,483	3,015
Clarke	23,920	11,328	12,592	12,781	6,191	6,590	11,139	5,137	6,002
Clay	13,275	6,492	6,783	11,046	5,431	5,615	2,229	1,061	1,168
Cleburne	14,987	7,421	7,566	14,234	7,070	7,164	753	351	402
Coffee	51,909	25,521	26,388	39,368	19,529	19,839	12,541	5,992	6,549
Colbert	54,762	26,259	28,503	44,138	21,326	22,812	10,624	4,933	5,691
Conecuh	12,277	5,881	6,396	6,339	3,152	3,187	5,938	2,729	3,209
Coosa	10,715	5,399	5,316	7,167	3,671	3,496	3,548	1,728	1,820
Covington	36,986	17,896	19,090	31,269	15,220	16,049	5,717	2,676	3,041
Crenshaw	13,824	6,674	7,150	10,062	4,908	5,154	3,762	1,766	1,996
Cullman	83,442	41,245	42,197	79,985	39,513	40,472	3,457	1,732	1,725
Dale	48,956	24,023	24,933	36,119	18,102	18,017	12,837	5,921	6,916
Dallas	38,310	17,685	20,625	10,630	5,100	5,530	27,680	12,585	15,095
DeKalb	71,385	35,428	35,957	66,184	32,745	33,439	5,201	2,683	2,518
Elmore	81,887	39,585	42,302	61,800	29,753	32,047	20,087	9,832	10,255
Escambia	36,748	18,628	18,120	22,792	11,336	11,456	13,956	7,292	6,664
Etowah	102,501	49,653	52,848	82,796	40,319	42,477	19,705	9,334	10,371
Fayette	16,433	8,023	8,410	14,076	6,877	7,199	2,357	1,146	1,211
Franklin	31,363	15,823	15,540	28,738	14,370	14,368	2,625	1,453	1,172
Geneva	26,314	12,846	13,468	22,951	11,214	11,737	3,363	1,632	1,731
Greene	8,233	3,887	4,346	1,519	736	783	6,714	3,151	3,563
Hale	14,726	7,008	7,718	5,988	2,986	3,002	8,738	4,022	4,716
Henry	17,209	8,300	8,909	12,280	5,983	6,297	4,929	2,317	2,612
Houston	104,722	50,286	54,436	72,324	35,160	37,164	32,398	15,126	17,272
Jackson	51,736	25,390	26,346	47,215	23,188	24,027	4,521	2,202	2,319
Jefferson	659,300	311,591	347,709	350,457	170,241	180,216	308,843	141,350	167,493
Lamar	13,844	6,767	7,077	12,084	5,930	6,154	1,760	837	923
Lauderdale	92,387	44,327	48,060	80,358	38,697	41,661	12,029	5,630	6,399
Lawrence	32,957	16,047	16,910	25,772	12,583	13,189	7,185	3,464	3,721
Lee	163,941	80,639	83,302	115,690	57,749	57,941	48,251	22,890	25,361
Limestone	96,174	48,156	48,018	78,056	38,936	39,120	18,118	9,220	8,898
Lowndes	9,974	4,670	5,304	2,585	1,276	1,309	7,389	3,394	3,995
Macon	18,439	8,383	10,056	3,128	1,572	1,556	15,311	6,811	8,500
Madison	366,519	179,074	187,445	252,338	125,744	126,594	114,181	53,330	60,851
Marengo	19,066	8,933	10,133	8,939	4,324	4,615	10,127	4,609	5,518
Marion	29,763	14,686	15,077	27,986	13,705	14,281	1,777	981	796
Marshall	96,109	47,502	48,607	89,384	43,871	45,513	6,725	3,631	3,094
Mobile	413,757	197,077	216,680	244,947	119,220	125,727	168,810	77,857	90,953
Monroe	21,067	10,005	11,062	11,612	5,698	5,914	9,455	4,307	5,148
Montgomery	225,763	106,522	119,241	81,145	39,839	41,306	144,618	66,683	77,935
Morgan	119,089	58,682	60,407	98,591	48,684	49,907	20,498	9,998	10,500
Perry	9,140	4,281	4,859	2,791	1,370	1,421	6,349	2,911	3,438
Pickens	19,938	9,948	9,990	11,530	5,935	5,595	8,408	4,013	4,395
Pike	33,338	16,098	17,240	19,163	9,453	9,710	14,175	6,645	7,530
Randolph	22,725	11,056	11,669	17,689	8,689	9,000	5,036	2,367	2,669
Russell	57,781	27,745	30,036	28,865	14,216	14,649	28,916	13,529	15,387
St. Clair	88,690	44,027	44,663	77,839	38,434	39,405	10,851	5,593	5,258
Shelby	215,707	104,270	111,437	178,681	87,012	91,669	37,026	17,258	19,768
Sumter	12,691	5,802	6,889	3,205	1,531	1,674	9,486	4,271	5,215
Talladega	79,828	38,580	41,248	51,346	25,105	26,241	28,482	13,475	15,007
Tallapoosa	40,497	19,632	20,865	28,523	14,005	14,518	11,974	5,627	6,347
Tuscaloosa	208,911	100,589	108,322	134,982	66,744	68,238	73,929	33,845	40,084
Walker	63,711	31,040	32,671	57,950	28,252	29,698	5,761	2,788	2,973
Washington	16,378	8,055	8,323	10,838	5,359	5,479	5,540	2,696	2,844
Wilcox	10,627	5,056	5,571	2,915	1,449	1,466	7,712	3,607	4,105
Winston	23,660	11,655	12,005	22,757	11,197	11,560	903	458	445

¹ Population estimates were provided by the U.S. Census Bureau.

TABLE 83
ESTIMATED POPULATION¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2018

AGE GROUP	TOTAL POPULATION	WHITE			BLACK AND OTHER		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
ALL AGES	4,887,871	3,379,955	1,658,530	1,721,425	1,507,916	705,585	802,331
0-4	293,203	185,662	94,898	90,764	107,541	54,366	53,175
5-9	297,900	191,458	98,084	93,374	106,442	53,983	52,459
10-14	310,495	201,478	103,236	98,242	109,017	55,041	53,976
15-19	315,680	203,462	103,947	99,515	112,218	56,036	56,182
20-24	325,220	207,161	105,836	101,325	118,059	57,820	60,239
25-29	340,014	219,268	110,628	108,640	120,746	58,724	62,022
30-34	303,526	202,500	101,035	101,465	101,026	47,010	54,016
35-39	303,994	204,041	101,935	102,106	99,953	45,732	54,221
40-44	288,308	198,041	98,654	99,387	90,267	40,617	49,650
45-49	312,966	221,609	110,709	110,900	91,357	41,052	50,305
50-54	314,492	224,599	111,640	112,959	89,893	40,954	48,939
55-59	336,811	242,311	119,172	123,139	94,500	42,388	52,112
60-64	318,368	231,113	111,428	119,685	87,255	38,567	48,688
65-69	270,799	201,882	95,398	106,484	68,917	30,078	38,839
70-74	216,922	171,621	79,536	92,085	45,301	19,486	25,815
75-79	150,858	121,924	54,209	67,715	28,934	11,706	17,228
80-84	98,450	79,765	33,216	46,549	18,685	6,861	11,824
85+	89,865	72,060	24,969	47,091	17,805	5,164	12,641

¹ Population estimates were provided by the U.S. Census Bureau.

Appendix A

TECHNICAL NOTES

Sources of Data

Quality and Completeness of Data

Residence Data

Population Denominators

Race

Cause of Death

Handling of Unknowns

Data Techniques

Small Number Limitations

DEFINITIONS

This Page Intentionally Left Blank.

TECHNICAL NOTES

SOURCES OF DATA

Data in this publication are from certificates and reports filed with the Center for Health Statistics (CHS) in the Alabama Department of Public Health according to Alabama Vital Statistics Laws. The State Registrar of Vital Records enforces the laws and administers the system of vital statistics. Certificates (birth, death, marriage and divorce) and reports (fetal death and induced termination of pregnancy) provide most of the information included in this publication. The statewide data for Alabama are also sent to the National Center for Health Statistics (NCHS) for inclusion in national reports and tabulations.

BIRTHS. If a birth occurs in a birthing hospital, the birth certificate is filed by that hospital with CHS. Information on a birth certificate is obtained from a parent and from medical files for the mother and infant. All birthing hospitals in Alabama use an internet-based Electronic Birth Registration System to complete and transmit birth certificates to CHS. If a birth occurs outside of a birthing hospital, the birth information is submitted by the parent or staff in non-birthing facility who is aware of the facts of birth. Because the legal requirements for certified copies of births have increased, 100 percent of all births are filed with CHS.

In 2014, CHS implemented the revised certificate of birth. Capturing data from the revised certificate now makes Alabama data more comparable with other states.

DEATHS. Mortality data are obtained from death certificates filed with CHS. In Alabama, the funeral director who first takes custody of the body is responsible for obtaining the demographic data from the next of kin and filing the death certificate. The medical certification is completed by the medical professional in charge of the care of the decedent for the illness or condition that resulted in death or by the county medical examiner or coroner. Registration of deaths is thought to be nearly 100 percent complete since the death certificate is needed by the next of kin for legal purposes. In addition, listings of deaths, which are independently prepared by funeral directors, coroners, hospitals, nursing homes and other institutions where deaths occur, are compared to certificates received to ensure that all deaths are filed.

In 2016, CHS implemented the revised certificate of death. Capturing data from the revised certificate now makes Alabama data more comparable with other states.

MARRIAGES. The judge of probate in each county in Alabama issues a marriage license containing information obtained from the parties who intend to be married. After the marriage ceremony takes place, the person who performs the ceremony certifies the fact of marriage and returns the record to the judge of probate who forwards it to CHS. Marriage data are believed to be nearly 100 percent complete since a license is needed prior to the ceremony being performed.

DIVORCES. Divorce certificates are prepared by the petitioner or his or her legal representative and presented to the clerk of a court where divorces are granted. The court clerk completes the information certifying the divorce and forwards the certificate to CHS. While the law does require the divorce certificate to be filed before a divorce is granted, the

filing of these records may not be as complete as other vital records since court procedures vary.

FETAL DEATHS. Reports of fetal death are required to be filed with CHS if the fetus has advanced to or beyond the twentieth week of utero-gestation. If the fetal death occurs in an institution, the person in charge of the institution or his or her representative is responsible for filing the report. If the fetal death occurs outside of an institution, the medical professional/coroner who is aware of the fact of the event is responsible for filing the report. Since not all fetal deaths are medically attended, it is likely that there is some under-reporting of these events. Evidence indicates that reporting may be better in metropolitan counties.

In 2014, CHS implemented the revised report of fetal death. Capturing data from the revised report now makes Alabama data more comparable with other states.

INDUCED TERMINATIONS OF PREGNANCY. Since 1993, reports of induced termination of pregnancy have been required for all events occurring in Alabama. If the induced termination of pregnancy occurs in an institution, the person in charge of the institution is required to file the report. If the induced termination of pregnancy occurs outside of an institution, the physician in attendance is required to file the report. From September 1987 to December 1992, the only reporting requirement for induced terminations of pregnancy was for events to women under 18 years of age as part of the Parental Consent Act. The degree of completeness for these reports is not known. However, if CHS learns of institutions that are not aware of the reporting requirements, they are contacted and reporting is immediately initiated.

OUT OF STATE EVENTS. To have complete data for state residents, offices of vital statistics in all states have entered into an agreement to share data for statistical purposes. When a report or certificate is filed for a vital event that occurred in Alabama to a resident of another state or Canada, Alabama notifies that government. Likewise, Alabama receives information and reports about events happening to Alabama residents in other states or in Canada. Data from these out of state events are included in the tabulations of resident data presented in this publication.

Most states send reports of out of state events to CHS on an ongoing basis, and these reports are believed to be complete since laws and procedures in other states are similar to Alabama's. The exceptions are reports of induced termination of pregnancy which have different reporting requirements in other states. Florida, a neighboring state, does not have a procedure for reporting induced terminations of pregnancy for Alabama residents to CHS. Since it is unknown how many Alabama residents might have these events in neighboring states, the number of reported induced terminations of pregnancy for Alabama residents might be somewhat low.

QUALITY AND COMPLETENESS OF DATA

Certificates and reports received at CHS are reviewed to ensure all information has been entered correctly. If records are found to be incomplete or completed improperly, queries are submitted to obtain the information. Once the information is accurate and consistent, the record is accepted into the official vital records files for Alabama.

Data for 100 percent of the births and fetal deaths are submitted by hospitals through the Electronic Birth Registration System. This electronic system contains edits and consistency checks to verify data prior to being submitted.

Data for approximately 92 percent of the deaths were submitted through the Electronic Death Registration System in 2018. This electronic system contains edits and consistency checks to verify data prior to being submitted. The remainder of the deaths are filed using paper certificates. These certificates are manually checked for accuracy and completeness. If data are incomplete or missing, the provider is queried and asked to verify the information provided or to furnish the correct data. Once these certificates are complete, they are keyed into a computer database by CHS staff.

Data for approximately 92 percent of the divorces are received electronically from the Administrative Office of Courts. The remainder of the divorces are filed using the paper certificate. These certificates are manually checked for accuracy and completeness. If data are incomplete or missing, the provider is queried and asked to verify the information provided or to furnish the correct data. Once these certificates are complete, they are keyed into a computer database by CHS staff.

Data for induced terminations of pregnancy and marriages are manually checked for accuracy and completeness. If data are incomplete or missing, the provider is queried and asked to verify the information provided or to furnish the correct data. Once these certificates or reports are complete, they are keyed into a computer database by CHS staff.

Numerous edits and consistency checks are performed on all computer files to ensure the data are as accurate as possible. Additional procedures cross check that all births and deaths are reported, particularly infant deaths.

RESIDENCE DATA

Unless specifically noted otherwise, data from vital events in this publication are reported according to the county or place of residence where the person, patient or decedent actually lived. Birth, fetal death and induced termination of pregnancy statistics are reported according to the mother's residence. Deaths are reported by the residence of the decedent. The exceptions are marriage and divorce data that are reported according to the county where the marriage certificate was issued or the divorce was finalized.

Vital events for Alabama residents occurring in other states and Canada are also included in the residence data in this publication. See discussion under SOURCES AND COMPLETENESS OF DATA -- OUT OF STATE EVENTS.

POPULATION DENOMINATORS

Different population denominators have been used in this publication depending on the year. For 1990, 2000 and 2010, actual Census counts were used for the denominators for the rates. For the years 1991 through 1999, the population figures used were prepared by the Alabama State Data Center, Center for Business and Economic Research, University of Alabama (CBER) projecting forward from the 1990 Census. Caution should be used in

comparing rates over time, since the further away from the Census, the less accurate the populations and associated rates become. Based on 2000 Census data, the CBER population projections for the late 1990s appear to be too low, and thus the rates for those years may be too high.

Population figures used to calculate rates for 2001 and 2002 were again from projections provided by CBER. These population figures were based on 2000 U.S. Census counts and projecting forward. Beginning in 2003, U.S. Census estimates (rather than CBER projections) were used for population denominators in CHS publications.

The rates in this publication may not be the same as those given in other publications if population data are from a different source. For the years between decennial national Censuses, the National Center for Health Statistics (NCHS) calculates crude rates using population estimates provided by U.S. Census Bureau. These figures are calculated in retrospect based on various housing, labor and vital statistics.

RACE

Birth, fetal death and induced termination of pregnancy statistics are reported according to the race of the mother since many of the health conditions related to these events are directly associated with the mother. Deaths are reported by the race of the decedent. Infant deaths are also tabulated by the race of the infant. However, the infant mortality rates, with the number of births used as the denominator, are based on the race of the mother. Data for marriages and divorces are shown for both parties to the event.

RACE IN MARRIAGE, DIVORCE, AND INDUCED TERMINATION OF PREGNANCY. For processing purposes, ten racial groups were used: White, Black, American Indian, Chinese, Japanese, Hawaiian, Filipino, Other Asian or Pacific Islander, other entries and unknown race. However, for tables shown in this publication, these groups are consolidated into “White” and “Black and Other”. “White” encompasses Mexican, Puerto Rican, Cajun, Creole, and Other Caucasian. The “Black and Other” group includes Black, American Indian, Chinese, Japanese, Hawaiian, Filipino and Other Asian or Pacific Islander. Events of unknown race are included in the “White” category.

RACE IN LIVE BIRTH, DEATH AND FETAL DEATH. In 2014, Alabama implemented the most recent NCHS revisions of the U.S. Standard Certificate of Live Birth and Fetal Death which allows parent(s) to select more than one race. In 2016, Alabama implemented the most recent NCHS revisions of the U.S. Standard Certificate of Death which allows informant(s) to select more than one race for decedent. Twenty racial groupings are now used: White, Black, American Indian, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, Hawaiian, Other Asian or Pacific Islander, Guamanian or Chamorro, Samoan, other entries, Bridged White, Bridged Black, Bridged American Indian/Alaska, Bridged Asian/Pacific Islander and unknown race. However, for tables shown in this publication, these groups are consolidated into two categories: “White” and “Black and Other”. “White” encompasses Mexican, Puerto Rican, Cajun, Creole, Other Caucasian, and Bridged White. The “Black and Other” group includes Black, American Indian, Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, Hawaiian, Other Asian or Pacific Islander, Guamanian or Chamorro, Samoan, other entries, Bridged Black, Bridged American Indian/Alaska, and Bridged Asian/Pacific Islander. Events of unknown race are included in

the “White” category.

Population figures from the 2010 Census show the population for Alabama as 68.5 percent White, 26.2 percent Black and 5.3 percent other races. Approximately one percent of the population reported two or more races and were included in the “Black and Other” population for tables shown in this publication.

CAUSE OF DEATH

Alabama law requires the physician in charge of the care of the patient for the illness or condition that resulted in death to complete the medical certification section on the death certificate. The physician is requested to state the diseases or conditions that caused the death and other significant conditions contributing to death. If a death occurs with no medical professional in charge of the patient’s care, the county coroner, or in a few counties, the medical examiner, is responsible for determining the cause of death.

CLASSIFICATION. For tabulation purposes, causes of death are coded according to the *International Classification of Diseases*¹ (ICD) which provides the essential ground rules for the coding and classification of cause of death data. ICD was developed collaboratively between the World Health Organization (WHO) and ten international centers, one of which is housed at NCHS. The purpose of ICD is to promote international comparability in the collection, classification, processing and presentation of health statistics. The United States is required to use ICD under an agreement with WHO that has the force of an international treaty.

Besides being a classification system for the cause of death, ICD includes coding rules. These rules identify the single condition on the death certificate considered most informative from a public health point of view, called the *underlying cause of death*. The underlying cause is the disease or injury initiating the sequence of events that led directly to death or the circumstances of the accident or violence that produced the fatal injury.

Cause of death data in this publication are coded according to procedures established by NCHS². Starting with death records for 1999, cause of death data are processed through computer software programs from NCHS which allow CHS staff to enter the literal information provided by the physician or coroner in the medical certification section of the death certificate. The software programs are written to apply WHO rules to select the underlying cause of death from all the conditions given on the death certificate. Tables in this publication contain the underlying cause of death as determined through these procedures.

TABULATION LISTS AND CAUSE OF DEATH RANKINGS. For dissemination and presentation of data, NCHS developed several tabulation lists which group causes of death codes into categories that are of public health interest and medical importance. The lists have increasing levels of detail or are for specific categories of death and are published in Part 9 of the NCHS Instruction Manual Series.³ Certain groups of causes on these lists are used for ranking causes of death to determine the leading causes of death. Starting with 1999 data, the list most widely used to identify and rank the leading causes of death in the United States is the *ICD-10 List of 113 Selected Causes of Death*. This list replaces the *ICD- 9 List of 72 Selected Causes of Death* used from 1979 through 1998. A condensed list of selected causes was also developed to present cause of death data in Alabama.

CHANGE IN ICD. The ICD has been revised approximately once every 10 years to stay abreast with advances in medical science and to ensure the international comparability of health statistics. The tenth and most recent revision, known as the ICD-10, was first used to classify deaths that occurred on January 1, 1999 and after. The previous version, the ICD-9, was used from 1979 through 1998. The ICD-10 is much more detailed with about 8,000 possible categories for cause of death compared with 4,000 categories in the previous version. For the first time, the ICD-10 uses alphanumeric codes. In the tenth revision of the ICD, cause of death titles have been changed and conditions have been regrouped. Some coding rules have also been changed. In addition, ICD-10 tabulation lists used in publications have also changed, so mortality data prepared under different revisions of the ICD may not be comparable.

COMPARISON OF CAUSE OF DEATH DATA. Changes in moving to a new revision of the ICD can cause major discontinuities in trend data for certain causes of death. To understand the changes in mortality rates that are simply due to the new ICD revision, NCHS double codes a large sample of deaths under each revision to develop *comparability ratios*. This is simply the ratio of deaths coded under the new revision (ICD-10) divided by the number under the old revision (ICD-9) for a particular cause of death. These ratios are given in Robert Anderson, *et. al.*, *Comparability of Cause of Death between ICD-9 and ICD-10: Preliminary Estimates*, Hyattsville, MD, National Vital Statistics Reports, Volume 49, Number 2, May 18, 2001. Comparability ratios can be applied to specific cause of death groups that were coded under ICD-9 to see how many deaths in that specific group would result if those same deaths had been coded under the new ICD-10. Application of the comparability ratios is crucial in time trend analyses. For additional information on comparability ratios, see the NCHS web site at www.cdc.gov/nchs.

HANDLING OF UNKNOWNNS

Items with a missing value or a response of "unknown" are shown as "not stated" in tables of frequency distributions and are included in totals and subtotals. However, for calculation of rates and ratios, "unknowns" are subtracted from denominators before calculations are made.

The only exceptions to this rule are for race, sex and county of residence. Events with race "unknown" are included with "White" for tabulation purposes. If sex cannot be determined, sex is considered male if the day of the event is odd and female if the day is even. Events with county of residence "unknown" are included in the statewide number. Therefore, the statewide number may be higher than the combined county numbers.

DATA TECHNIQUES

Data in this publication are generally presented as frequencies, rates, ratios and percentages. Frequency distributions tell how many times an event occurred for a particular population. For purposes of comparison rates, ratios and percentages are provided to standardize the figures. A ratio is a comparison of two quantities and is generally expressed as a fraction. A rate is the number of items having a certain characteristic divided by the total number of items. Rates are generally expressed to a standard base of 100, 1,000 or 100,000. Percentages are rates standardized to a base of 100. Rounding errors may exist

because of the estimation techniques.

Demographic rates make all populations equal in size. Demographic rates such as the death rate and birth rate are calculated by dividing the number of events in a given period by the population at risk during that period. Thus, rates give the number of events per person, or the average. By standardizing all populations to the same size, we eliminate one factor that makes comparisons among areas difficult.

The base of a demographic rate may be the total population or a sub population. Rates based on the total population are called crude rates. Others are called specific rates, such as age-specific rates used for children or teenaged populations or the sex-specific rate for prostate cancer. For information on specific calculations, see Appendix B on FORMULAS.

SMALL NUMBER LIMITATIONS

When using vital events data for studying small geographic areas or for examining specific medical or social factors, the number of events reported in a given year may be very small. Understanding the statistical limitations of small numbers is important in conducting analyses. Any time something is measured, error is almost inevitable. Error can be based on the accuracy of the reports, or alternately, the number of the events or the size of the population. Some error is random, and when the numbers are very large, random error does not affect the usefulness of the data. However, when the number of vital events is very small or the population of the area is very low, random errors in data collection, or even randomly occurring events, can cause drastic fluctuations in rates.

One way to counteract random error is to increase the number of years or enlarge the area being studied. Otherwise, calculations may be correct, but of very limited practical value. In this publication, rates are given regardless of their stability; however, for rates based on very small numbers, warnings are issued in the footnotes.

REFERENCES:

1. World Health Organization. "International Statistical Classification of Diseases and Related Health Problems, Tenth Revision." Geneva: World Health Organization, 1992.
2. National Center for Health Statistics. "NCHS Instruction Manual, Part 2a, Vital Statistics, Instructions for Classifying the Underlying Cause of Death." Hyattsville, Maryland: Public Health Service, published annually.
3. National Center for Health Statistics, Centers for Disease Control and Prevention. "Instruction Manual Part 9, ICD-10 Cause-of-Death Lists for Tabulation Mortality Statistics, Effective 1999." Hyattsville, Maryland: October 1997.

DEFINITIONS

Some definitions used in this publication may vary in meaning among states or nations. Also, some subjects change in definition over time. Center for Health Statistics definitions are consistent for all publications within a given year and are generally the same definitions used by the National Center for Health Statistics. However, a data user should always compare definitions across geographical areas and times.

ABORTION - See INDUCED TERMINATION OF PREGNANCY. In this publication, the terms *abortion* and *induced termination of pregnancy* are used synonymously.

ADEQUACY OF PRENATAL CARE UTILIZATION INDEX (APNCU) - This index, also known as the Kotelchuck Index of Prenatal Care, was designed as an improvement on the Kessner Index. It has 5 values: 1 = adequate plus, 2 = adequate, 3 = intermediate, 4 = inadequate and 5 = unknown. Its major advantage is that it divides the adequate into two categories. Those with adequate plus had other risk factors, which increased the number of visits. The index can serve as an indicator that some medical condition required additional prenatal care. [Kotelchuck M., "An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index", *American Journal of Public Health*, 1994, 84(9):1414-20.]

ANNULMENT - "To nullify, to abolish, to make void by competent authority. An annulment differs from a divorce in that a divorce terminates a legal status, whereas an annulment establishes that a marital status never existed." *Black's Law Dictionary, Sixth Edition*. In this publication, annulments are included with divorces for rate calculation purposes and are available only by place of occurrence.

BIRTH - See LIVE BIRTH. In this publication, the terms *live birth* and *birth* are used synonymously.

BIRTH INTERVAL - The period from the date of the current birth to the date of the last termination of pregnancy, birth or otherwise.

BIRTH ORDER - The numeric relationship of a child to other children born alive to that mother.

CAUSE OF DEATH - The cause of death presented in this publication is the "underlying cause" which is defined as the cause deemed responsible for the sequence of morbid events leading directly to death or the circumstances of the accident or violence that produced the fatal injury. Deaths, by cause, are classified according to the *International Classification of Diseases (ICD), Tenth Revision*, following instructions established by the National Center for Health Statistics. See Appendix C for the compilation lists and ICD-10 codes used for the leading cause of death.

DEATH - Death is defined in *Black's Law Dictionary, Sixth Edition* as "The cessation of life; permanent cessations of all vital functions and signs." For definitions of the determination of death under other than general circumstances, the *Code of Alabama* should be consulted.

DIVORCE - A court decree dissolving a marital relationship. A divorce from bed and board is a separation from cohabitation which does not otherwise affect the marriage and is not included in this publication. See *Code of Alabama* for additional information. For rate calculation purposes in this publication, divorces include annulments and are reported by the county where the divorce occurred.

ESTIMATED PREGNANCIES - The sum of births, induced terminations of pregnancy, and estimated total fetal losses. Rounding errors may exist because of the estimation techniques.

ESTIMATED TOTAL FETAL LOSSES - This term, which is a component used in determining the number of estimated pregnancies, is an estimate of the total number of fetal losses regardless of the gestational age of the fetus. Estimated total fetal losses are equal to the sum of 20 percent of births and 10 percent of induced terminations of pregnancy. This formula was developed by the Alan Guttmacher Institute and is widely accepted and used. Rounding errors may exist because of the estimation techniques. Estimated total fetal losses should be distinguished from the term fetal deaths as used in this publication.

FETAL DEATH - "Death prior to the complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy and which is not an induced termination of pregnancy. The death is indicated by the fact that after the 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." *Code of Alabama, 1975, Section 22-9A-1*. While the definition of fetal death includes all gestations, only fetal deaths that have advanced to or are beyond the twentieth week of utero-gestation are required to be reported under Alabama law and are the only ones counted as fetal deaths in this publication.

GESTATION - The period of development from the time of fertilization of the ovum to birth. In these publications, the terms *gestation* and *utero-gestation* are used synonymously.

INDUCED TERMINATION OF PREGNANCY - "The purposeful interruption of an intrauterine pregnancy with the intention other than to produce a liveborn infant and which does not result in a live birth. This definition excludes management of prolonged retention of products of conception following fetal death." *Code of Alabama, 1975, Section 22-9A-1*. In these publications, the terms *induced termination of pregnancy* and *abortion* are used synonymously.

INFANT DEATH - Death of a live born infant under one year of age.

INTERNATIONAL CLASSIFICATION OF DISEASES (ICD) - A publication of the World Health Organization (WHO) that provides the essential ground rules for the coding and classification of cause of death data. The purpose of the ICD and of WHO sponsorship is to promote international comparability in the collection, classification, processing and presentation of health statistics. In addition to being a classification system, the rules

provide for identification of a single condition on the death certificate that is considered most informative from a public health point of view, called the underlying cause of death.

LIVE BIRTH - "The complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of the 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 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." *Code of Alabama, 1975, Section 22-9A-1.* In these publications, the terms *live birth* and *birth* are used synonymously.

LOW BIRTH WEIGHT - A weight at birth of under 2,500 grams or under 5 pounds and 8 ounces.

MARRIAGE - The legal union of two persons which establishes their relationship as spouses. Marriage data are reported by the county where the marriage license was issued.

MATERNAL DEATH - Defined by WHO as "the death of a woman while pregnant or within 42 days of termination of pregnancy, irrespective of the duration and the site of pregnancy from any cause of the pregnancy or its management, but not from accidental or incidental causes." Included in these deaths are ICD-10 codes A34, O00- O95, O98-O99.

NEONATAL DEATH - Death of a liveborn infant occurring within the first 27 days of life.

OCCURRENCE DATA - Data compiled as to the geographical place where the event occurred.

PERINATAL DEATH - Death of a fetus of 28 or more weeks gestation or death of a liveborn infant under seven days of age. Note that several other definitions of this term exist.

POSTNEONATAL DEATH - Death of a liveborn infant after the first 27 days of age, but before one year of age.

RESIDENT DATA - Data compiled as to the place of residence without regard to the geographical place where the event occurred. For births and fetal deaths, place of residence of mother is used.

TEENAGE - In this publication, persons aged 10 years through 19 years.

TOTAL FERTILITY RATE - An estimate of the average number of children that 1,000 women would bear if the current age-specific birth rates remained constant.

VERY LOW BIRTH WEIGHT - A weight at birth of under 1,500 grams or under 3 pounds and 5 ounces.

Appendix B

Vital Statistics Formulas

Adequacy of Prenatal Care Utilization Index

Grams Conversion Table

This Page Intentionally Left Blank.

ALABAMA VITAL STATISTICS FORMULAS

$$\text{ABORTION RATE} = \frac{\text{Number of Abortions}}{\text{Estimated Female Population Aged 15-44}} \times 1,000$$

$$\text{AGE-SPECIFIC BIRTH RATE} = \frac{\text{Number of Live Births to Females in Specific Age Group}}{\text{Estimated Female Population in That Age Group}} \times 1,000$$

$$\text{AGE-SPECIFIC DEATH RATE} = \frac{\text{Number of Deaths for Specific Age Group}}{\text{Estimated Population in That Age Group}} \times 1,000$$

$$\text{AGE-SPECIFIC PREGNANCY RATE} = \frac{\begin{array}{c} \text{Number of Live Births to Females in Specific Age Group +} \\ \text{Abortions to Females in That Age Group +} \\ \text{Total Estimated Fetal Losses to Females in That Age Group} \end{array}}{\text{Estimated Female Population in That Age Group}} \times 1,000$$

$$\text{BIRTH RATE or CRUDE BIRTH RATE} = \frac{\text{Number of Live Births}}{\text{Estimated Midyear Population}} \times 1,000$$

$$\text{CAUSE-SPECIFIC DEATH RATE} = \frac{\text{Number of Deaths for Specific Cause}}{\text{Estimated Midyear Population}} \times 100,000$$

$$\text{CAUSE-SPECIFIC INFANT MORTALITY RATE} = \frac{\text{Number of Deaths Under 1 Year of Age for Specific Cause}}{\text{Number of Live Births}} \times 100,000$$

$$\text{CESAREAN DELIVERY RATE} = \frac{\begin{array}{c} \text{Number of Births Delivered by Primary Cesarean +} \\ \text{Number of Births Delivered by Repeat Cesarean} \end{array}}{\text{Number of Live Births with Known Methods of Delivery}} \times 100$$

$$\text{DEATH RATE or CRUDE DEATH RATE} = \frac{\text{Number of Deaths}}{\text{Estimated Midyear Population}} \times 1,000$$

$$\text{DIVORCE RATE (DISSOLUTION)} = \frac{\text{Number of Divorces and Annulments}}{\text{Estimated Midyear Population}} \times 1,000$$

ALABAMA VITAL STATISTICS FORMULAS (Continued)

ESTIMATED PREGNANCIES = Number of Live Births + Number of Abortions
+ Estimated Total Fetal Losses

ESTIMATED TOTAL FETAL LOSSES = 20 Percent of Live Births + 10 Percent of Abortions

FETAL DEATH RATIO* = $\frac{\text{Number of Fetal Deaths 20 or More Weeks in Gestation}}{\text{Number of Live Births}} \times 1,000$

*The definition of a fetal death varies from state to state. Caution should be exercised in comparing this ratio between states.

GENERAL FERTILITY RATE = $\frac{\text{Number of Live Births}}{\text{Estimated Female Population Aged 15-44}} \times 1,000$

INFANT MORTALITY RATE = $\frac{\text{Number of Deaths Under 1 Year of Age}}{\text{Number of Live Births}} \times 1,000$

MARRIAGE RATE = $\frac{\text{Number of Marriages}}{\text{Estimated Midyear Population}} \times 1,000$

MONTHLY BIRTH RATE = $\frac{\text{Number of Births During Month}}{(\text{Number of Days in Month/Number of Days in Year}) \times \text{Estimated Midyear Population}} \times 1,000$

MONTHLY DEATH RATE = $\frac{\text{Number of Deaths During Month}}{(\text{Number of Days in Month/Number of Days in Year}) \times \text{Estimated Midyear Population}} \times 1,000$

MONTHLY MARRIAGE RATE = $\frac{\text{Number of Marriages During Month}}{(\text{Number of Days in Month/Number of Days in Year}) \times \text{Estimated Midyear Population}} \times 1,000$

NEONATAL MORTALITY RATE = $\frac{\text{Number of Deaths Under 28 Days of Age}}{\text{Number of Live Births}} \times 1,000$

ALABAMA VITAL STATISTICS FORMULAS (Continued)

POSTNEONATAL MORTALITY RATE =
$$\frac{\text{Number of Deaths 28 or More Days, But Less Than 1 Year of Age}}{\text{Number of Live Births}} \times 1,000$$

PREGNANCY RATE =
$$\frac{\text{Number of Live Births} + \text{Number of Abortions} + \text{Estimated Total Fetal Losses}}{\text{Estimated Female Population Aged 15-44}} \times 1,000$$

TEENAGE ABORTION RATE =
$$\frac{\text{Number of Abortions to Females Aged 10-19}}{\text{Estimated Female Population Aged 10-19}} \times 1,000$$

TEENAGE BIRTH RATE =
$$\frac{\text{Number of Live Births to Females Aged 10-19}}{\text{Estimated Female Population Aged 10-19}} \times 1,000$$

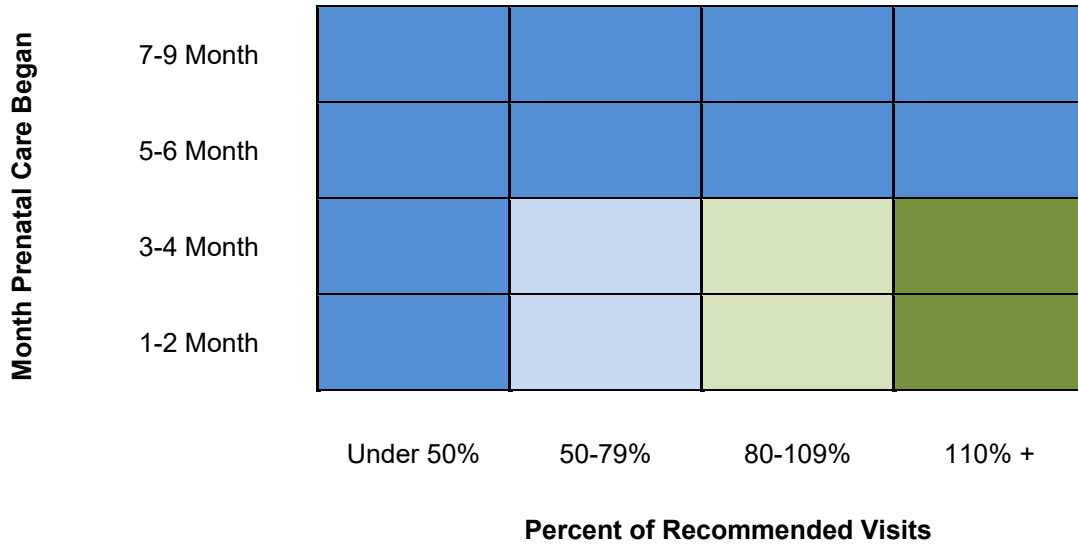
TEENAGE PREGNANCY RATE =
$$\frac{\text{Number of Live Births to Females Aged 10-19} + \text{Number of Abortions to Females Aged 10-19} + \text{Estimated Total Fetal Losses to Females Aged 10-19}}{\text{Estimated Female Population Aged 10-19}} \times 1,000$$

TOTAL FERTILITY RATE* =
$$\begin{aligned} & (\text{Age-Specific Birth Rate For Females Aged 10-14 X Age Interval In Age Group}) + (\text{Age-Specific Birth Rate For Females Aged 15-19 X Age Interval In Age Group}) + (\text{Age-Specific Birth Rate For Females Aged 20-24 X Age Interval In Age Group}) + \\ & (\text{Age-Specific Birth Rate For Females Aged 25-29 X Age Interval In Age Group}) + (\text{Age-Specific Birth Rate For Females Aged 30-34 X Age Interval In Age Group}) + (\text{Age-Specific Birth Rate For Females Aged 35-39 X Age Interval In Age Group}) + \\ & (\text{Age-Specific Birth Rate For Females Aged 40-44 X Age Interval In Age Group}) + (\text{Age-Specific Birth Rate For Females Aged 45-49 X Age Interval In Age Group}) \end{aligned}$$

*Some states do not consider age groups 10-14 and 45-49 in this computation. Caution should be exercised in comparing Total Fertility Rates.

VAGINAL BIRTH AFTER CESAREAN RATE =
$$\frac{\text{Number of Vaginal Births after Cesarean}}{\text{Number of Births with a Vaginal Birth after Cesarean} + \text{Number of Births with a Repeat Cesarean}} \times 1,000$$

The Summary of Adequacy of Prenatal Care Utilization Index (APNCU) or Kotelchuck Index ¹



- Inadequate** - Prenatal care began after 4th month, or less than 50% of recommended visits. Do not include no prenatal care received.
- Intermediate** - Prenatal care began by 4th month, and 50% - 79% of recommended visits.
- Adequate** - Prenatal care began by 4th month, and 80% - 109% of recommended visits.
- Adequate Plus** - Prenatal care began by 4th month, and 110% or more of recommended visits.

¹ Adapted from Kotelchuck M., "An Evaluation of the Kessner Adequacy of Prenatal Care Index and a Proposed Adequacy of Prenatal Care Utilization Index", *American Journal of Public Health*, 1994, 84(9): 1414-20.

GRAMS CONVERSION TABLE

O U N C E S																		
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
P O U N D S	0	–	28	57	85	113	142	170	198	227	255	284	312	340	369	397	425	0
	1	454	482	510	539	567	595	624	652	680	709	737	765	794	822	851	879	1
	2	907	936	964	992	1021	1049	1077	1106	1134	1162	1191	1219	1247	1276	1304	1332	2
	3	1361	1389	1418	1446	1474	1503	1531	1559	1588	1616	1644	1673	1701	1729	1758	1786	3
	4	1814	1843	1871	1899	1928	1956	1985	2013	2041	2070	2098	2126	2155	2183	2211	2240	4
	5	2268	2296	2325	2353	2381	2410	2438	2466	2495	2523	2552	2580	2608	2637	2665	2693	5
	6	2722	2750	2778	2807	2835	2863	2892	2920	2948	2977	3005	3033	3062	3090	3119	3147	6
	7	3175	3204	3232	3260	3289	3317	3345	3374	3402	3430	3459	3487	3515	3544	3572	3600	7
	8	3629	3657	3686	3714	3742	3771	3799	3827	3856	3884	3912	3941	3969	3997	4026	4054	8
	9	4082	4111	4139	4167	4196	4224	4253	4281	4309	4338	4366	4394	4423	4451	4479	4508	9
	10	4536	4564	4593	4621	4649	4678	4706	4734	4763	4791	4820	4848	4876	4905	4933	4961	10
	11	4990	5018	5046	5075	5103	5131	5160	5188	5216	5245	5273	5301	5330	5358	5387	5415	11
	12	5443	5472	5500	5528	5557	5585	5613	5642	5670	5698	5727	5755	5783	5812	5840	5868	12
	13	5897	5925	5954	5982	6010	6039	6067	6095	6124	6152	6180	6209	6237	6265	6294	6322	13
	14	6350	6379	6407	6435	6464	6492	6521	6549	6577	6606	6634	6662	6691	6719	6747	6776	14
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
O U N C E S																		

This Page Intentionally Left Blank.

Appendix C

CAUSE OF DEATH LISTS

NCHS 113 Selected Causes of Death

Selected Causes of Infant Death

NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
Salmonella infections #	A01-A02
Shigellosis and amebiasis #	A03, A06
Certain other intestinal infections	A04, A07-A09
Tuberculosis#	A16-A19
Respiratory tuberculosis	A16
Other tuberculosis	A17-A19
Whooping cough #	A37
Scarlet fever and erysipelas #	A38, A46
Meningococcal infection #	A39
Septicemia #	A40-A41
Syphilis #	A50-A53
Acute poliomyelitis #	A80
Arthropod-borne viral encephalitis #	A83-A84, A85.2
Measles #	B05
Viral hepatitis #	B15-B19
Human immunodeficiency virus (HIV) disease #	B20-B24
Malaria #	B50-B54
Other and unspecified infectious and parasitic diseases	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
Malignant neoplasms #	C00-C97
Lip, oral cavity and pharynx	C00-C14
Esophagus	C15
Stomach	C16
Colon, rectum and anus	C18-C21
Liver and intrahepatic bile ducts	C22
Pancreas	C25
Larynx	C32
Trachea, bronchus and lung	C33-C34
Skin	C43
Breast	C50
Cervix uteri	C53
Corpus uteri and uterus, part unspecified	C54-C55
Ovary	C56
Prostate	C61
Kidney and renal pelvis	C64-C65
Bladder	C67
Meninges, brain and other parts of central nervous system	C70-C72
Lymphoid, hematopoietic and related tissue	C81-C96
Hodgkin's disease	C81
Non-Hodgkin's lymphoma	C82-C85
Leukemia	C91-C95
Multiple myeloma and immunoproliferative neoplasms	C88, C90
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96

Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior #	D00-D48
Anemias #	D50-D64
Diabetes mellitus #	E10-E14
Nutritional deficiencies #	E40-E64
Malnutrition	E40-E46
Other nutritional deficiencies	E50-E64
Meningitis #	G00, G03
Parkinson's disease #	G20-G21
Alzheimer's disease #	G30
Major cardiovascular diseases	I00-I78
Diseases of heart #	I00-I09, I11, I13, I20-I51
Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
Hypertensive heart disease	I11
Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
Acute myocardial infarction	I21-I22
Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
Atherosclerotic cardiovascular disease, so described	I25.0
All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
Acute and subacute endocarditis	I33
Diseases of pericardium and acute myocarditis	I30-I31, I40
Heart failure	I50
All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
Essential (primary) hypertension and hypertensive renal disease #	I10, I12
Cerebrovascular diseases #	I60-I69
Atherosclerosis #	I70
Other diseases of circulatory system	I71-I78
Aortic aneurysm and dissection #	I71
Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
Influenza and pneumonia #	J09-J18
Influenza	J09-J11
Pneumonia	J12-J18
Other acute lower respiratory infections	J20-J22
Acute bronchitis and bronchiolitis #	J20-J21
Unspecified acute lower respiratory infection	J22
Chronic lower respiratory diseases #	J40-J47
Bronchitis, chronic and unspecified	J40-J42
Emphysema	J43
Asthma	J45-J46

Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
Other chronic lower respiratory diseases	J44, J47
Pneumoconioses and chemical effects #	J60-J66, J68
Pneumonitis due to solids and liquids #	J69
Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
Peptic ulcer #	K25-K28
Diseases of appendix #	K35-K38
Hernia #	K40-K46
Chronic liver disease and cirrhosis #	K70, K73-K74
Alcoholic liver disease	K70
Other chronic liver disease and cirrhosis	K73-K74
Cholelithiasis and other disorders of gallbladder #	K80-K82
Nephritis, nephrotic syndrome and nephrosis #	N00-N07, N17-N19, N25-N27
Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01, N04
Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
Renal failure	N17-N19
Other disorders of kidney	N25, N27
Infections of kidney #	N10-N12, N13.6, N15.1
Hyperplasia of prostate #	N40
Inflammatory diseases of female pelvic organs #	N70-N76
Pregnancy, childbirth and the puerperium #	O00-O99
Pregnancy with abortive outcome	O00-O07
Other complications of pregnancy, childbirth and the puerperium	O10-O99
Certain conditions originating in the perinatal period #	P00-P96
Congenital malformations, deformations and chromosomal abnormalities #	Q00-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
All other diseases (residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.0-N13.5, N13.7-N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
Accidents (unintentional injuries) #	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
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
Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99, Y85
Nontransport accidents	W00-X59, Y86

Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
Falls	W00-W19
Accidental discharge of firearms	W32-W34
Accidental drowning and submersion	W65-W74
Accidental exposure to smoke, fire and flames	X00-X09
Accidental poisoning and exposure to noxious substances	X40-X49
Other and unspecified nontransport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
Intentional self-harm (suicide) #	X60-X84, Y87.0
Suicide by discharge of firearms	X72-X74
Suicide by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
Assault (homicide) #	X85-Y09, Y87.1
Homicide by discharge of firearms	X93-X95
Homicide by other and unspecified means and their sequelae	*U01.0-*U01.3, *U01.5-*U01.9, X85-X92, X96-Y09, Y87.1
Legal intervention	Y35, Y89.0
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9
Discharge of firearms, undetermined intent	Y22-Y24
Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
Operations of war and their sequelae #	Y36, Y89.1
Complications of medical and surgical care #	Y40-Y84, Y88

Eligible to be a leading cause of death

* Codes are not included in the *International Classification of Diseases, 10th Revision* (ICD-10)

SELECTED CAUSES OF INFANT DEATH (A MODIFICATION OF THE NCHS 130 CAUSES)

CAUSE OF DEATH	ICD-10 CODE
Certain intestinal infectious diseases	A00-B99
Septicemia #	A40-A41
Viral diseases	A80-B34
Other and unspecified infectious and parasitic diseases	A00-A39, A42-A79, B35-B99
Malignant neoplasms #	C00-C97
In situ neoplasms, benign neoplasms and uncertain or unknown behavior #	D00-D48
Diseases of the blood and blood forming organs and certain disorders involving the immune mechanism #	D50-D89
Endocrine, nutritional and metabolic diseases	E00-E88
Volume depletion, disorders of fluid, electrolyte and acid base balance #	E86-E87
Other endocrine, nutritional and metabolic diseases	E00-E85, E88
Diseases of the nervous system	G00 G98
Meningitis #	G00, G03
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) #	G12.0
Infantile cerebral palsy #	G80
Anoxic brain damage, not elsewhere classified #	G93.1
Other and unspecified infectious and parasitic diseases	G01-G02, G04-G11, G12.1-G12.9, G13-G79, G81-G92, G93.0, G93.2 G93.9, G94 G98
Diseases of the circulatory system #	I00-I99
Pulmonary heart disease and diseases of pulmonary circulation	I26 I28
Cardiomyopathy	I42
Cardiac arrest	I46
Cerebrovascular diseases	I60 I69
Other diseases of the circulatory system	I00 I25, I29 I41, I43 I45, I47 I59, I70 I99
Diseases of the respiratory system	J00 J98
Influenza and pneumonia #	J09-J18
Acute bronchitis and acute bronchiolitis #	J20-J21
Other and unspecified diseases of the respiratory system	J00 J09, J19, J22 J98
Diseases of the digestive system	K00 K92
Gastritis, duodenitis, and noninfective enteritis and colitis #	K29, K50-K55
Hernia of abdominal cavity and intestinal obstruction without hernia #	K40-K46, K56
Other and unspecified diseases of digestive system	K00-K28, K30-K38, K57-K92
Diseases of the genitourinary system	N00 N98
Renal failure and other disorders of kidney #	N17-N19, N25, N27
Other and unspecified diseases of genitourinary system	N00-N16, N20-N23, N26, N28-N95
Certain conditions originating in the perinatal period	P00 P96
Newborn affected by maternal factors and complications of pregnancy, labor and delivery	P00 P04
Newborn affected by maternal hypertensive disorders #	P00.0
Newborn affected by other maternal conditions which may be unrelated to present pregnancy #	P00.1-P00.9
Newborn affected by maternal complications of pregnancy #	P01
Newborn affected by incompetent cervix	P01.0
Newborn affected by premature rupture of membranes	P01.1
Newborn affected by multiple pregnancy	P01.5

#Eligible to be a leading cause of death

SELECTED CAUSES OF INFANT DEATH (A MODIFICATION OF THE NCHS 130 CAUSES)

CAUSE OF DEATH	ICD-10 CODE
Newborn affected by other maternal complications of pregnancy	P01.2-P01.4, P01.6-P01.9
Newborn affected by complications of placenta, cord and membranes #	P02
Newborn affected by complications involving placenta	P02.0-P02.3
Newborn affected by complications involving cord	P02.4-P02.6
Newborn affected by chorioamnionitis	P02.7
Newborn affected by other and unspecified abnormalities of membranes	P02.8-P02.9
Newborn affected by other complications of labor and delivery #	P03
Newborn affected by noxious influences transmitted via placenta or breast milk	P04
Disorders related to length of gestation and fetal malnutrition	P05-P08
Disorders related to short gestation and low birth weight, not elsewhere classified #	P07
Extremely low birth weight or extreme immaturity	P07.0, P07.2
Other low birth weight or preterm	P07.1, P07.3
Other disorders related to length of gestation and fetal malnutrition	P05 P06, P08
Birth trauma #	P10-P15
Intrauterine hypoxia and birth asphyxia #	P20 P21
Intrauterine hypoxia	P20
Birth asphyxia	P21
Respiratory distress of newborn #	P22
Other respiratory conditions originating in the perinatal period	P23-P28
Congenital pneumonia #	P23
Neonatal aspiration syndromes #	P24
Interstitial emphysema and related conditions originating in the perinatal period #	P25
Pulmonary hemorrhage originating in the perinatal period #	P26
Chronic respiratory disease originating in the perinatal period #	P27
Atelectasis #	P28.0-P28.1
All other respiratory conditions originating in the perinatal period	P28.2-P28.9
Infections specific to the perinatal period	P35 P39
Bacterial sepsis of newborn	P36
All other infections specific to the perinatal period	P35, P37, P39
Hemorrhagic and hematological disorders of newborn	P50 P61
Neonatal hemorrhage #	P50-P52, P54
Other hemorrhagic and hematological disorders of newborn	P53,P55 P59
Hematological disorders #	P60-P61
Necrotizing enterocolitis of newborn #	P77
Hydrops fetalis not due to hemolytic disease #	P83.2
Other perinatal conditions	P29, P70.3-P70.9, P71-P76, P78-P81, P83.0-P83.1, P83.3-P83.9, P90-P96
Congenital malformations, deformations and chromosomal abnormalities #	Q00-Q99
Anencephaly and similar malformations	Q00
Congenital hydrocephalus	Q03
Spina bifida	Q05
Other congenital malformations of nervous system	Q01-Q02, Q04, Q06-Q07

#Eligible to be a leading cause of death

SELECTED CAUSES OF INFANT DEATH (A MODIFICATION OF THE NCHS 130 CAUSES)

CAUSE OF DEATH	ICD-10 CODE
Congenital malformations of heart	Q20-Q24
Other congenital malformations of circulatory system	Q25-Q28
Congenital malformations of respiratory system	Q30-Q34
Congenital malformations of digestive system	Q35-Q45
Congenital malformations of genitourinary system	Q50-Q64
Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
Down's syndrome	Q90
Edward's syndrome	Q91.0-Q91.3
Patau's syndrome	Q91.4-Q91.7
Other congenital malformations and deformations	Q10-Q18, Q86-Q89
Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
Sudden infant death syndrome #	R95
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94, R96-R99
All other diseases (residual) of A00 - R99	A00 R99 not listed above
External causes of mortality	V01 Y89
Accidents #	V01-X59
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
Falls	W00-W19
Accidental discharge of firearms	W32-W34
Accidental drowning and submersion	W65-W74
Accidental suffocation and strangulation in bed	W75
Other accidental suffocation and strangulation	W76-W77, W81-W84
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78 W80
Accidents caused by exposure to smoke, fire and flames	X00-X09
Other and unspecified accidents and their sequelae	Residual of V01 X59
Homicide (assault) #	X85 Y09, Y87.1
Neglect, abandonment and other maltreatment syndrome	Y06-Y07
Homicide by other and unspecified means	*U01.0-*U01.3, *U01.5-*U01.9, X85-X90, X92, X96-Y05, Y08-Y09
Complications of medical and surgical care	Y40-Y84, Y88
Other external causes	Y60-X84, Y10-Y36, Y87.0, Y87.2, Y89

Eligible to be a leading cause of death

* Codes are not included in the *International Classification of Diseases, 10th Revision* (ICD-10)