

ALABAMA VITAL STATISTICS

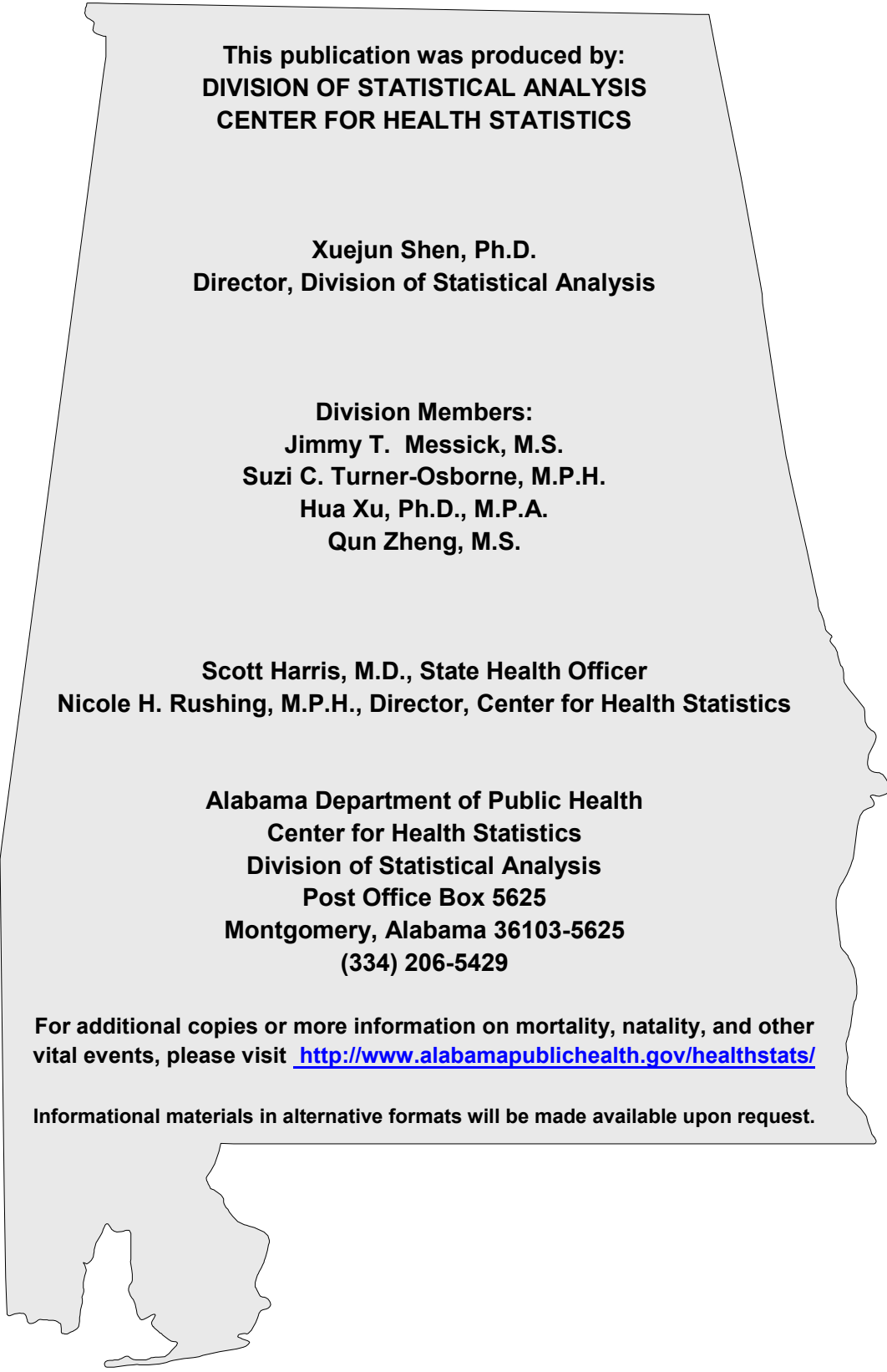
2017



ALABAMA
CENTER FOR
HEALTH STATISTICS



ALABAMA DEPARTMENT OF
PUBLIC HEALTH



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

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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 2005-2017 through menu option "Publications" on the left side of the screen.

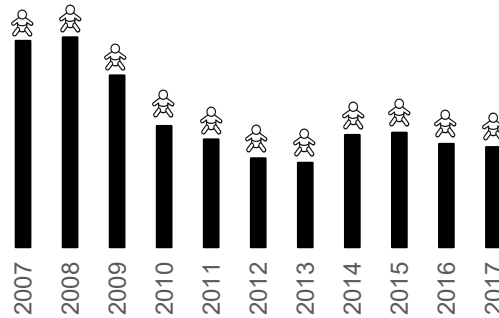
The Center for Health Statistics also provides more interpretative analysis of the data contained in this publication in a variety of other reports, graphs, charts and special topic-specific publications. Many of these publications may also be found on the website.

2017 ANNUAL VITAL STATISTICS HIGHLIGHTS



BIRTHS

Over the past nine years, the state saw a decrease in the number of babies born to Alabama residents.



In addition to the slow decline in the birth rate, the state has seen an overall natural decrease in the population. More simply, the death rate is higher than the birth rate. This is especially true for the White population group. Between 2016 and 2017, White Alabama residents saw a 0.9% decrease in the birth rate; contrarily, the Black and Other racial group saw a 1.5% increase.



Overall, teenage pregnancy rates continued to see a **downward** trend, falling **5.5%** from 2016 to 2017.

LOW WEIGHT BIRTHS



White Alabama residents saw a small decrease from 2016 to 2017.



Comparable to the state percentage, the Black and Other racial group did not see a change from 2016 to 2017.

PRENATAL CARE IN 2017

Despite the total number of babies born to Alabama residents decreasing in 2017, the rate of mothers who did not receive any prenatal care **increased 9.5%** from 2016 to 2017. Furthermore, the rate of mothers who began prenatal care in their 3rd trimester also **increased over 3%**.

ALABAMA PRENATAL CARE RATES

NO PRENATAL CARE	1 ST TRIMESTER		2 ND TRIMESTER		3 RD TRIMESTER	
	2016	2017	2016	2017	2016	2017
2.1 → 2.3	66.5	66.6	25.3	25.0	5.9	6.1



DEATHS

The death rate of Alabama residents has seen small fluctuations over the past 10 years. From 2016 to 2017, the state saw the death rate increase from 10.8 to 10.9 per 1,000 population, a 0.9% increase. Similar to the overall death rate, male Alabama residents saw a 0.9% increase between 2016 and 2017, while female Alabama residents saw a 1.9% death rate increase per 1,000 population during the same time period.

19%

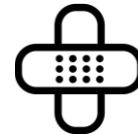
Despite a large increase in the infant mortality rate between years 2015 and 2016, Alabama's infant mortality rate **declined 19%** in 2017.



White Alabama residents saw a **1.7% increase** in the death rate.



The death rate remained unchanged from 2016 to 2017 for the Black and Other racial group.



Heart disease and **malignant neoplasms** (cancer) continued to rank as the top two leading causes of death across all races, a trend the state has seen for more than **10 years**.

Across the nation drug overdose deaths surged. Alabama has seen a similar trend, as the rate of drug overdose deaths per 100,000 population amongst residents has continuously increased over the last 5 years.

DRUG OVERDOSE RATES IN ALABAMA...



836

DRUG OVERDOSE DEATHS OCCURRED IN ALABAMA IN 2017

84%

OF DEATHS WERE ATTRIBUTED TO WHITE ALABAMA RESIDENTS

16%

OF DEATHS WERE ATTRIBUTED TO BLACK AND OTHER ALABAMA RESIDENTS

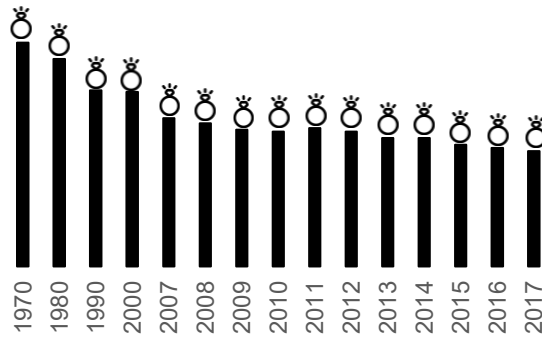
MALES

ACCOUNTED FOR 62% OF ALL ALABAMA OVERDOSE DRUG DEATHS



MARRIAGES

In 2017, Alabama's marriage rate was 7.0 per 1,000 population, the lowest the state had seen in more than a decade.



12.9%



20-24 year-old adults held the largest percentage of marriages while 25-29 year-olds accounted for 11.6% of marriages in 2017.

Alabama began keeping a record of same sex marriages in 2015. Since then, the number of same sex marriages declined from **1,392** in 2015 to **715** in 2017.

In 2017, the largest numbers of marriage certificates were issued in **May** (n=3,595), **June** (n=3,509), and **October** (n=3,652).



DIVORCES

In 2017, the state of Alabama saw its lowest divorce rate in the last 5 years. Similar to the United States divorce rate, Alabama saw roughly a 3% decrease in divorces over the last year.



In 2017, **78%** of divorces were a result of incompatibility.

1-4 years

Slightly under **30%** of couples who divorced in 2017 were married between 1 and 4 years, **25%** 5 to 9 years, and **16%** of couples were married 10 to 14 years.



Couples between the ages of **30 and 34** accounted for the most divorces in **2017**, whereas the most divorces in **2016** were attributed to the **25-29** age group.

TABLE 1
RESIDENT BIRTHS AND BIRTH RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2017

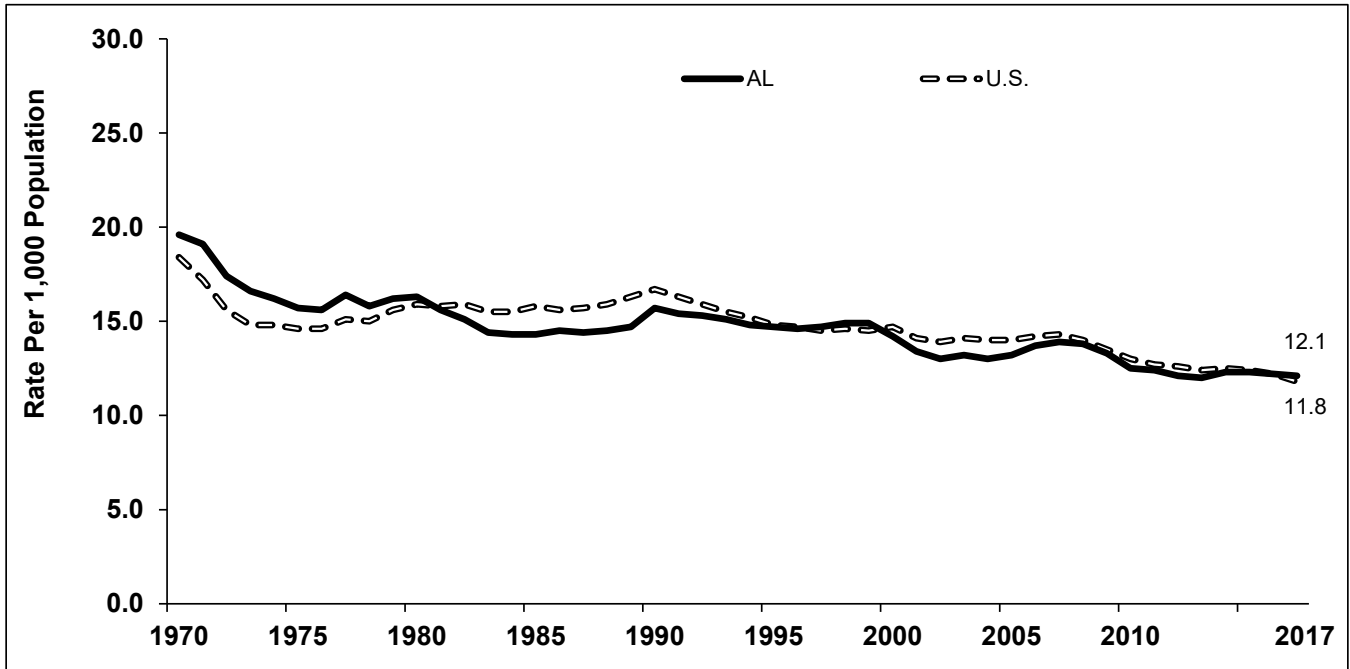
YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S.	ALABAMA		U.S.	ALABAMA		U.S.
	NUMBER	RATE	RATE	NUMBER	RATE	RATE	NUMBER	RATE	RATE
1970	67,570	19.6	18.4	45,479	17.9	17.4	22,091	24.3	25.1
1971	66,750	19.1	17.2	44,209	17.2	16.1	22,541	24.4	24.6
1972	61,765	17.4	15.6	40,134	15.4	14.5	21,631	23.1	22.8
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

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 1990-2017 are by race of mother.

³ U.S. race-specific rates are not comparable to Alabama race-specific rates for 2016 and 2017 due to a different tabulation method.

**FIGURE 1. LIVE BIRTH RATES
ALABAMA AND UNITED STATES, 1970-2017**



**FIGURE 2. LIVE BIRTH RATES BY RACE OF MOTHER
ALABAMA, 1970-2017**

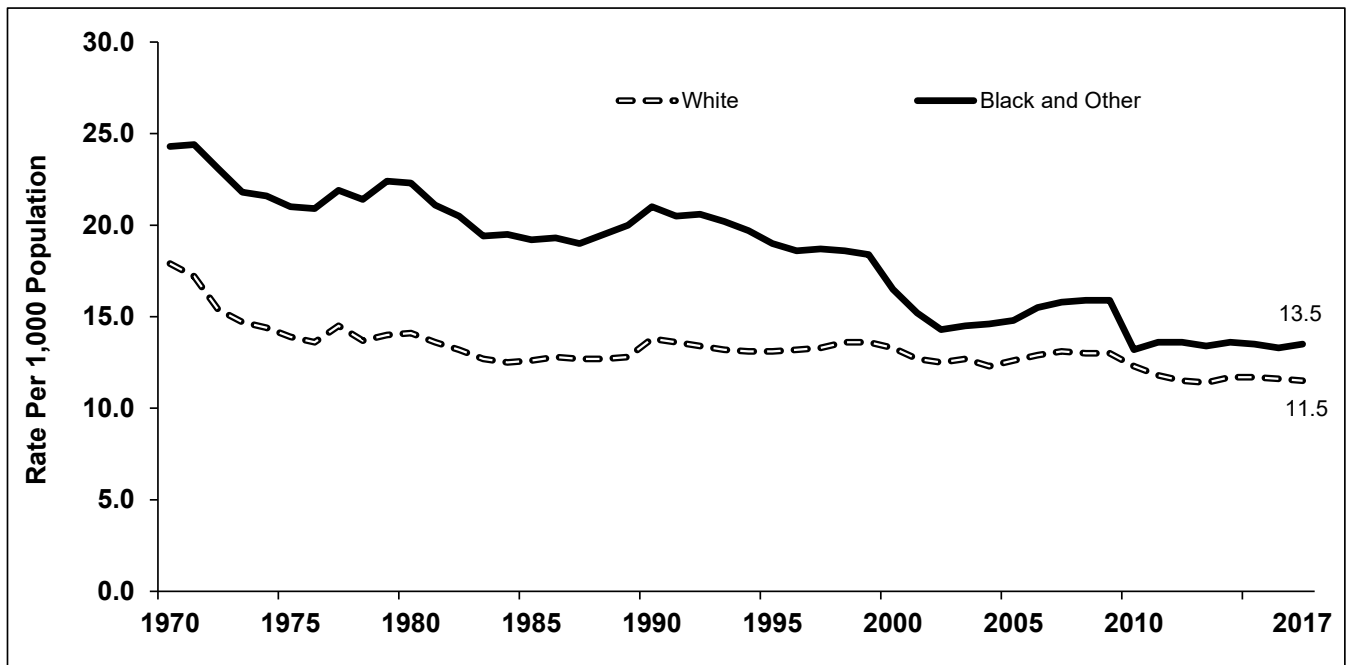
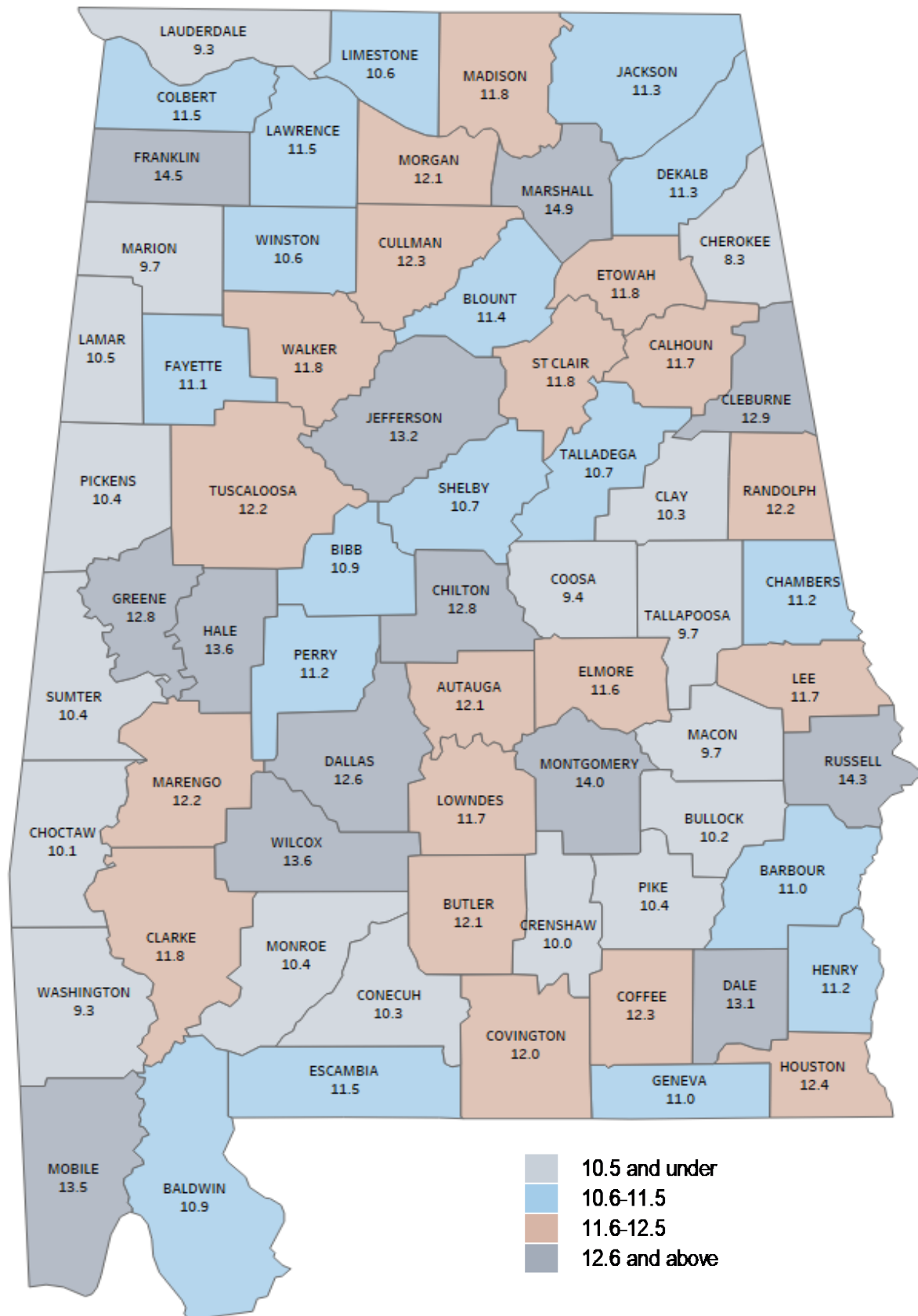


TABLE 2
RESIDENT BIRTHS AND BIRTH RATES¹
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2017

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	58,936	12.1	38,728	11.5	20,208	13.5
Autauga	669	12.1	511	12.0	158	12.2
Baldwin	2,323	10.9	2,015	10.9	308	11.3
Barbour	277	11.0	115	9.2	162	12.6
Bibb	247	10.9	206	11.9	41	7.7
Blount	661	11.4	652	11.7	9	3.8
Bullock	105	10.2	24	8.8	81	10.7
Butler	239	12.1	115	11.0	124	13.2
Calhoun	1,338	11.7	949	11.0	389	13.8
Chambers	376	11.2	198	10.3	178	12.3
Cherokee	214	8.3	206	8.6	8	4.5
Chilton	566	12.8	507	13.2	59	10.3
Choctaw	131	10.1	72	9.7	59	10.7
Clarke	284	11.8	139	10.8	145	13.0
Clay	138	10.3	116	10.4	22	9.9
Cleburne	192	12.9	186	13.2	6	7.9
Coffee	639	12.3	473	12.0	166	13.2
Colbert	626	11.5	499	11.4	127	12.0
Conecuh	129	10.3	61	9.6	68	11.2
Coosa	101	9.4	66	9.1	35	9.9
Covington	445	12.0	372	11.8	73	12.8
Crenshaw	139	10.0	104	10.3	35	9.3
Cullman	1,018	12.3	996	12.5	22	6.8
Dale	644	13.1	480	13.2	164	12.8
Dallas	494	12.6	94	8.6	400	14.1
DeKalb	812	11.3	777	11.7	35	6.8
Elmore	949	11.6	729	11.8	220	11.1
Escambia	431	11.5	267	11.5	164	11.5
Etowah	1,213	11.8	928	11.2	285	14.5
Fayette	183	11.1	165	11.6	18	7.9
Franklin	458	14.5	444	15.4	14	5.3
Geneva	290	11.0	252	10.9	38	11.3
Greene	107	12.8	17	11.0	90	13.3
Hale	202	13.6	69	11.5	133	15.1
Henry	192	11.2	146	12.0	46	9.3
Houston	1,295	12.4	797	11.0	498	15.6
Jackson	584	11.3	535	11.3	49	11.1
Jefferson	8,704	13.2	4,466	12.7	4,238	13.8
Lamar	147	10.5	129	10.6	18	10.1
Lauderdale	861	9.3	738	9.2	123	10.1
Lawrence	379	11.5	342	13.2	37	5.2
Lee	1,898	11.7	1,308	11.5	590	12.4
Limestone	1,000	10.6	849	11.0	151	8.6
Lowndes	118	11.7	24	9.3	94	12.5
Macon	182	9.7	40	12.9	142	9.1
Madison	4,253	11.8	2,824	11.4	1,429	12.7
Marengo	236	12.2	96	10.6	140	13.6
Marion	288	9.7	265	9.4	23	12.9
Marshall	1,424	14.9	1,204	13.5	220	33.3
Mobile	5,603	13.5	2,976	12.1	2,627	15.6
Monroe	221	10.4	108	9.2	113	11.9
Montgomery	3,172	14.0	946	11.4	2,226	15.5
Morgan	1,435	12.1	1,174	11.9	261	12.9
Perry	105	11.2	24	8.3	81	12.6
Pickens	210	10.4	94	8.1	116	13.6
Pike	346	10.4	192	10.0	154	10.9
Randolph	277	12.2	216	12.3	61	12.1
Russell	818	14.3	401	14.0	417	14.7
St. Clair	1,039	11.8	941	12.1	98	9.2
Shelby	2,283	10.7	1,864	10.5	419	11.7
Sumter	132	10.4	31	9.7	101	10.7
Talladega	856	10.7	505	9.8	351	12.4
Tallapoosa	393	9.7	254	8.8	139	11.6
Tuscaloosa	2,538	12.2	1,390	10.3	1,148	15.7
Walker	756	11.8	670	11.5	86	15.0
Washington	153	9.3	98	9.0	55	9.8
Wilcox	146	13.6	33	11.2	113	14.6
Winston	252	10.6	244	10.7	8	9.1

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, 2017



**TABLE 3
RESIDENT BIRTHS BY PLURALITY
ALABAMA, 1980-2017**

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

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 HOSPITAL¹ OF OCCURRENCE
WITH CESAREAN SECTION AND VAGINAL BIRTH AFTER CESAREAN RATES
ALABAMA, 2017

COUNTY AND HOSPITAL	Total	Vaginal	Vaginal After Cesarean Section	Primary Cesarean Section	Repeat Cesarean Section	Unknown	Cesarean Section Rate ²	Vaginal After Cesarean Section Rate ³
TOTAL	57,469	36,498	713	12,674	7,572	12	35.2	8.6
BALDWIN								
North Baldwin Infirmary	230	148	0	39	43	0	35.7	0.0
South Baldwin Medical Center	661	409	5	137	110	0	37.4	4.3
Thomas Hospital	1,264	901	31	170	162	0	26.3	16.1
BIBB								
Bibb Medical Center	63	50	3	6	4	0	15.9	42.9
CALHOUN								
Regional Medical Center-Anniston	1,982	1,350	40	359	233	0	29.9	14.7
CLARKE								
Grove Hill Memorial Hospital	193	99	0	55	39	0	48.7	0.0
COFFEE								
Medical Center Enterprise	865	605	16	140	104	0	28.2	13.3
COLBERT								
Helen Keller Memorial Center	803	476	6	136	185	0	40.0	3.1
COVINGTON								
Andalusia Regional Hospital	396	297	8	46	45	0	23.0	15.1
CULLMAN								
Cullman Regional Medical Center	631	432	7	114	78	0	30.4	8.2
DALLAS								
Vaughn Regional Medical Center	521	355	2	146	18	0	31.5	10.0
DEKALB								
DeKalb Regional Medical Center	675	516	3	143	13	0	23.1	18.8
ESCAMBIA								
D.W. McMillan Memorial Hospital	245	109	0	79	57	0	55.5	0.0
ETOWAH								
Gadsden Regional Medical Center	947	682	14	124	127	0	26.5	9.9
HOUSTON								
Flowers Hospital	1,321	794	5	316	206	0	39.5	2.4
Southeast Alabama Medical Center	1,515	916	33	328	238	0	37.4	12.2
JACKSON								
Highland Medical Center	339	239	7	53	40	0	27.4	14.9
JEFFERSON								
Brookwood Medical Center	3,683	2,297	74	787	525	0	35.6	12.4
Grandview Medical Center	1,255	679	3	539	34	0	45.7	8.1
Princeton Baptist Medical Center	360	259	15	50	36	0	23.9	29.4
St. Vincent's Birmingham	3,352	2,184	19	731	417	1	34.3	4.4
St. Vincent's East	884	550	26	195	112	1	34.8	18.8
UAB Medical West	360	232	2	106	20	0	35.0	9.1
University of Alabama Hospital	4,286	2,768	95	1,079	343	1	33.2	21.7
LAUDERDALE								
Eliza Coffee Memorial Hospital	1,169	753	5	265	146	0	35.2	3.3

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 HOSPITAL¹ OF OCCURRENCE
WITH CESAREAN SECTION AND VAGINAL BIRTH AFTER CESAREAN RATES
ALABAMA, 2017

COUNTY AND HOSPITAL	Total	Vaginal	Vaginal After Cesarean Section	Primary Cesarean Section	Repeat Cesarean Section	Unknown	Cesarean Section Rate ²	Vaginal After Cesarean Section Rate ³
TOTAL	57,469	36,498	713	12,674	7,572	12	35.2	8.6
LEE								
East Alabama Medical Center	2,130	1,350	34	438	308	0	35.0	9.9
LIMESTONE								
Athens-Limestone Hospital	461	300	8	96	57	0	33.2	12.3
MADISON								
Crestwood Medical Center	1,069	718	23	200	128	0	30.7	15.2
Huntsville Hospital	4,220	2,513	42	984	681	0	39.5	5.8
Madison Hospital	1,038	681	14	190	153	0	33.0	8.4
MARSHALL								
Marshall Medical Center North	445	341	3	72	29	0	22.7	9.4
Marshall Medical Center South	698	482	19	114	82	1	28.1	18.8
MOBILE								
Mobile Infirmary Medical Center	1,087	629	0	350	108	0	42.1	0.0
Providence Hospital	1,654	1,022	16	327	289	0	37.2	5.2
Springhill Memorial Hospital	993	522	7	287	177	0	46.7	3.8
USA Children's and Women's Hospital	2,642	1,628	20	674	319	1	37.6	5.9
MONROE								
Monroe County Hospital	200	97	0	57	46	0	51.5	0.0
MONTGOMERY								
Baptist Medical Center East	3,466	2,099	14	782	571	0	39.0	2.4
Baptist Medical Center South	760	433	12	174	141	0	41.4	7.8
Jackson Hospital	1,373	838	1	321	213	0	38.9	0.5
MORGAN								
Decatur Morgan Hospital-Parkway	813	534	8	123	148	0	33.3	5.1
SHELBY								
Shelby Baptist Medical Center	970	672	21	157	120	0	28.6	14.9
TALLADEGA								
Citizens Baptist Medical Center	180	101	0	60	19	0	43.9	0.0
Coosa Valley Medical Center	436	255	2	89	90	0	41.1	2.2
TALLAPOOSA								
Russell Hospital	375	177	1	105	92	0	52.5	1.1
TUSCALOOSA								
DCH Regional Medical Center	1,879	1,233	26	407	213	0	33.0	10.9
Northport Medical Center	1,580	983	21	326	250	0	36.5	7.7
WALKER								
Walker Baptist Medical Center	790	589	0	198	3	0	25.4	0.0
All Other Hospitals	13	12	0	0	0	1	0.0	----
Out of Hospital	197	189	2	0	0	6	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, 2017

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	58,936	38,728	20,208	27,736	12,910	14,826	47.1	33.3	73.4
Under 15	44	21	23	44	21	23	---	---	---
15-17	1,076	609	467	1,028	565	463	95.5	92.8	99.1
18-19	3,165	1,939	1,226	2,722	1,535	1,187	86.1	79.2	97.1
20-24	15,777	9,425	6,352	10,636	4,958	5,678	67.4	52.6	89.4
25-29	18,770	12,549	6,221	7,772	3,334	4,438	41.4	26.6	71.4
30-34	13,425	9,672	3,753	3,679	1,679	2,000	27.4	17.4	53.3
35-39	5,647	3,822	1,825	1,569	674	895	27.8	17.6	49.0
40-44	976	648	328	276	137	139	28.3	21.1	42.4
45+	54	41	13	10	7	3	18.5	---	---
Not stated	2	2	0	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, 2008-2017

RACE AND AGE GROUP OF MOTHER	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
TOTAL	39.9	40.9	41.9	42.1	42.6	42.2	43.2	43.8	44.7	47.1
Under 15	98.1	99.4	99.1	96.8	98.8	98.4	98.4	100.0	---	---
15-17	88.4	90.0	91.3	93.5	93.4	91.2	92.3	93.0	94.5	95.5
18-19	73.3	73.8	78.2	78.1	79.3	77.9	80.4	79.7	82.2	86.1
20-24	52.3	54.7	56.8	58.6	59.9	60.4	61.6	63.5	64.5	67.4
25-29	28.9	29.4	31.4	31.4	32.1	32.9	35.2	36.6	38.2	41.4
30-34	18.2	19.8	20.2	21.4	21.9	22.3	24.0	24.3	25.7	27.4
35-39	16.8	17.7	19.3	18.3	21.5	20.6	22.9	24.1	24.3	27.8
40-44	18.9	18.3	18.0	20.6	20.6	22.6	25.0	22.4	29.2	28.3
45+	---	---	---	19.6	---	19.3	---	20.4	---	18.5
WHITE	25.4	27.0	27.6	27.9	28.3	28.3	29.2	29.9	30.6	33.3
Under 15	96.2	98.3	97.3	91.9	97.1	96.3	96.6	---	---	---
15-17	79.2	82.7	84.5	88.9	88.6	86.1	87.4	88.7	90.9	92.8
18-19	58.4	60.8	66.0	65.2	68.4	66.6	71.1	70.5	73.4	79.2
20-24	35.3	38.3	40.2	41.7	43.1	44.3	45.0	47.3	48.9	52.6
25-29	16.2	17.1	18.1	18.7	18.8	19.4	21.1	22.5	23.1	26.6
30-34	10.1	11.1	11.3	12.3	12.0	12.6	13.9	14.2	15.9	17.4
35-39	10.6	11.4	11.4	11.6	13.5	12.7	13.7	16.4	15.3	17.6
40-44	13.3	12.4	10.5	15.6	13.1	15.3	17.9	16.3	21.7	21.1
45+	---	---	---	---	---	---	---	---	---	---
BLACK AND OTHER	68.8	69.4	71.0	70.8	70.6	69.8	71.0	71.5	72.6	73.4
Under 15	99.1	100.0	100.0	100.0	100.0	100.0	100.0	---	---	---
15-17	98.2	98.0	98.9	99.1	99.1	98.1	99.0	98.4	98.7	99.1
18-19	93.4	92.8	95.3	95.9	94.4	94.9	95.3	94.7	95.4	97.1
20-24	80.1	81.7	83.9	85.0	85.6	84.8	86.8	87.2	88.3	89.4
25-29	58.5	60.0	63.1	62.7	63.0	63.7	66.0	68.3	70.8	71.4
30-34	41.3	44.2	45.4	46.5	47.8	46.9	49.9	50.5	51.5	53.3
35-39	35.2	34.5	39.4	35.7	40.5	40.1	43.7	41.9	44.4	49.0
40-44	32.8	33.1	34.7	35.4	35.2	38.0	38.8	34.7	45.1	42.4
45+	---	---	---	---	---	---	---	---	---	---

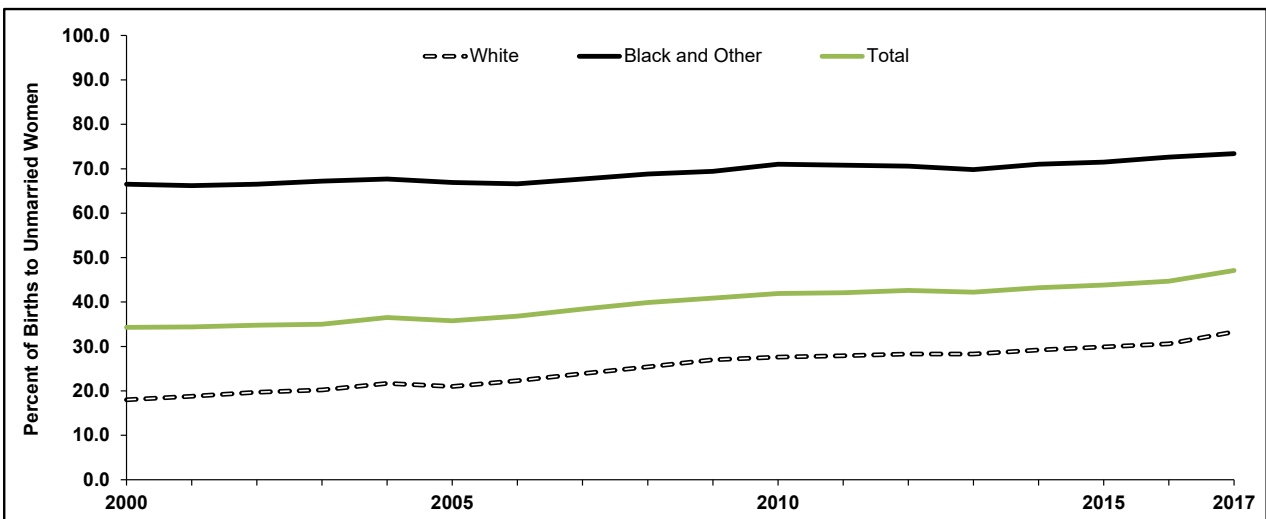
¹ Percentages were not calculated in instances where there were fewer than 50 live births in specified population group. Denominator includes only live births where the marital status was known.

**TABLE 7
NUMBER AND PERCENT¹ OF BIRTHS TO UNMARRIED WOMEN
BY RACE OF MOTHER
ALABAMA, 2000-2017**

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

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, 2000-2017**



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, 2017**

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	27,736	47.1	12,910	33.3	14,826	73.4
Autauga	280	41.9	165	32.4	115	72.8
Baldwin	896	38.6	689	34.2	207	67.4
Barbour	188	67.9	43	37.4	145	89.5
Bibb	116	47.0	85	41.3	31	75.6
Blount	216	32.7	212	32.5	4	44.4
Bullock	77	73.3	4	16.7	73	90.1
Butler	148	61.9	48	41.7	100	80.6
Calhoun	702	52.5	406	42.8	296	76.1
Chambers	222	59.0	78	39.4	144	80.9
Cherokee	85	40.1	80	39.2	5	62.5
Chilton	240	42.4	203	40.0	37	62.7
Choctaw	70	53.4	21	29.2	49	83.1
Clarke	160	56.3	45	32.4	115	79.3
Clay	67	48.6	49	42.2	18	81.8
Cleburne	74	38.5	71	38.2	3	50.0
Coffee	252	39.4	143	30.2	109	65.7
Colbert	299	47.8	203	40.7	96	75.6
Conecuh	86	66.7	28	45.9	58	85.3
Coosa	62	61.4	34	51.5	28	80.0
Covington	232	52.1	171	46.0	61	83.6
Crenshaw	65	47.1	40	38.8	25	71.4
Cullman	358	35.2	348	34.9	10	45.5
Dale	267	41.5	154	32.1	113	68.9
Dallas	368	74.5	36	38.3	332	83.0
DeKalb	346	42.6	326	42.0	20	57.1
Elmore	384	40.5	236	32.4	148	67.6
Escambia	220	51.0	106	39.7	114	69.5
Etowah	551	45.4	346	37.3	205	71.9
Fayette	84	45.9	69	41.8	15	83.3
Franklin	206	45.0	197	44.4	9	64.3
Geneva	140	48.4	112	44.6	28	73.7
Greene	88	82.2	5	29.4	83	92.2
Hale	138	68.3	22	31.9	116	87.2
Henry	95	49.5	54	37.0	41	89.1
Houston	692	53.4	292	36.6	400	80.3
Jackson	243	41.6	211	39.4	32	65.3
Jefferson	4,166	47.9	1,097	24.6	3,069	72.5
Lamar	60	40.8	45	34.9	15	83.3
Lauderdale	342	39.7	256	34.7	86	69.9
Lawrence	142	37.5	114	33.3	28	75.7
Lee	686	36.1	315	24.1	371	62.9
Limestone	363	36.3	289	34.0	74	49.0
Lowndes	83	70.3	3	12.5	80	85.1
Macon	139	76.4	14	35.0	125	88.0
Madison	1,651	38.8	722	25.6	929	65.0
Marengo	147	62.6	29	30.5	118	84.3
Marion	119	41.3	107	40.4	12	52.2
Marshall	594	41.7	502	41.7	92	41.8
Mobile	3,215	57.4	1,173	39.4	2,042	77.8
Monroe	135	61.1	39	36.1	96	85.0
Montgomery	1,965	62.0	250	26.5	1,715	77.0
Morgan	617	43.0	428	36.5	189	72.4
Perry	80	76.2	6	25.0	74	91.4
Pickens	139	66.2	36	38.3	103	88.8
Pike	182	52.6	54	28.1	128	83.1
Randolph	134	48.4	85	39.4	49	80.3
Russell	437	53.5	150	37.5	287	68.8
St. Clair	369	35.5	313	33.3	56	57.1
Shelby	556	24.4	389	20.9	167	39.9
Sumter	94	71.2	5	16.1	89	88.1
Talladega	495	58.0	222	44.0	273	78.0
Tallapoosa	231	58.8	111	43.7	120	86.3
Tuscaloosa	1,261	49.7	389	28.0	872	76.0
Walker	325	43.0	282	42.1	43	50.0
Washington	69	45.1	28	28.6	41	74.5
Wilcox	106	72.6	9	27.3	97	85.8
Winston	117	46.4	116	47.5	1	12.5

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, 2017

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	58,936	44	4,241	15,777	18,770	13,425	5,647	1,030	2
White	38,728	21	2,548	9,425	12,549	9,672	3,822	689	2
Black and Other	20,208	23	1,693	6,352	6,221	3,753	1,825	341	0
FIRST	22,344	44	3,550	7,849	6,356	3,305	1,045	194	1
White	14,959	21	2,138	4,746	4,707	2,488	724	134	1
Black and Other	7,385	23	1,412	3,103	1,649	817	321	60	0
SECOND	19,092	0	607	5,300	6,581	4,609	1,731	264	0
White	12,942	0	362	3,252	4,502	3,458	1,189	179	0
Black and Other	6,150	0	245	2,048	2,079	1,151	542	85	0
THIRD	10,432	0	75	1,983	3,662	3,188	1,304	220	0
White	6,756	0	43	1,129	2,246	2,291	904	143	0
Black and Other	3,676	0	32	854	1,416	897	400	77	0
FOURTH	4,267	0	8	510	1,439	1,415	758	137	0
White	2,556	0	4	243	773	926	523	87	0
Black and Other	1,711	0	4	267	666	489	235	50	0
FIFTH AND ABOVE	2,798	0	1	135	732	906	809	215	0
White	1,513	0	1	55	321	508	482	146	0
Black and Other	1,285	0	0	80	411	398	327	69	0
NOT STATED	3	0	0	0	0	2	0	0	1
White	2	0	0	0	0	1	0	0	1
Black and Other	1	0	0	0	0	1	0	0	0

TABLE 10
BIRTHS BY TRIMESTER PRENATAL CARE BEGAN AND PERCENT¹ PRENATAL CARE BEGAN
IN FIRST TRIMESTER BY COUNTY OF RESIDENCE
ALABAMA, 2017

COUNTY	TOTAL	NO PRENATAL CARE	PERCENT ¹ FIRST TRIMESTER	FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER	NOT STATED ²
TOTAL	58,936	1,323	66.6	39,024	14,644	3,577	368
Autauga	669	6	63.6	425	180	57	1
Baldwin	2,323	21	73.9	1,700	479	99	24
Barbour	277	10	58.5	162	84	21	0
Bibb	247	6	55.5	137	91	13	0
Blount	661	13	68.5	448	167	26	7
Bullock	105	0	54.3	57	34	14	0
Butler	239	1	71.8	171	51	15	1
Calhoun	1,338	22	74.8	997	269	45	5
Chambers	376	10	71.5	269	73	24	0
Cherokee	214	7	69.2	148	47	12	0
Chilton	566	13	64.9	365	142	42	4
Choctaw	131	3	80.9	106	17	5	0
Clarke	284	0	65.8	187	83	14	0
Clay	138	2	73.5	100	27	7	2
Cleburne	192	3	65.6	126	53	10	0
Coffee	639	9	64.8	412	147	68	3
Colbert	626	7	61.9	386	194	37	2
Conecuh	129	1	70.5	91	35	2	0
Coosa	101	2	70.0	70	21	7	1
Covington	445	8	64.0	283	124	27	3
Crenshaw	139	2	73.4	102	23	12	0
Cullman	1,018	13	59.6	600	337	57	11
Dale	644	7	63.6	407	157	69	4
Dallas	494	7	57.6	284	166	36	1
DeKalb	812	50	58.4	471	220	66	5
Elmore	949	13	67.9	644	235	56	1
Escambia	431	2	77.0	329	77	19	4
Etowah	1,213	44	57.7	696	393	74	6
Fayette	183	2	63.5	115	52	12	2
Franklin	458	15	49.8	228	158	57	0
Geneva	290	4	60.1	173	89	22	2
Greene	107	4	42.5	45	43	14	1
Hale	202	2	54.5	110	79	11	0
Henry	192	5	68.8	132	44	11	0
Houston	1,295	13	68.6	885	308	84	5
Jackson	584	10	72.3	416	121	28	9
Jefferson	8,704	179	64.9	5,585	2,268	578	94
Lamar	147	4	64.6	95	46	2	0
Lauderdale	861	8	66.6	571	216	63	3
Lawrence	379	3	77.2	292	63	20	1
Lee	1,898	17	80.2	1,515	289	69	8
Limestone	1,000	15	71.4	707	196	72	10
Lowndes	118	2	73.7	87	23	6	0
Macon	182	4	60.4	110	55	13	0
Madison	4,253	98	64.5	2,732	1,140	266	17
Marengo	236	10	51.5	121	81	23	1
Marion	288	5	66.2	190	72	20	1
Marshall	1,424	212	53.1	752	359	93	8
Mobile	5,603	57	79.6	4,446	927	155	18
Monroe	221	0	74.5	164	49	7	1
Montgomery	3,172	92	57.2	1,810	948	315	7
Morgan	1,435	82	59.1	843	387	115	8
Perry	105	1	50.5	52	39	11	2
Pickens	210	6	60.0	126	64	14	0
Pike	346	9	69.0	238	75	23	1
Randolph	277	2	69.7	193	69	13	0
Russell	818	22	73.0	578	152	40	26
St. Clair	1,039	15	65.3	677	287	57	3
Shelby	2,283	25	72.0	1,632	498	112	16
Sumter	132	3	66.9	87	34	6	2
Talladega	856	12	71.3	607	194	38	5
Tallapoosa	393	2	79.3	311	67	12	1
Tuscaloosa	2,538	63	54.5	1,369	887	193	26
Walker	756	28	64.7	488	191	47	2
Washington	153	4	71.2	109	37	3	0
Wilcox	146	1	64.3	92	45	5	3
Winston	252	5	66.7	168	66	13	0

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

²Includes unknown and missing data.

**TABLE 11
BIRTHS AND PERCENT¹ OF BIRTHS BY THE ADEQUACY OF PRENATAL CARE AND COUNTY OF RESIDENCE
ALABAMA, 2017**

COUNTY	TOTAL	ADEQUATE PLUS	PERCENT ¹ ADEQUATE PLUS	ADEQUATE	PERCENT ¹ ADEQUATE	INTER-MEDIATE	PERCENT ¹ INTER-MEDIATE	INADEQUATE	PERCENT ¹ INADEQUATE	UNKNOWN
TOTAL	58,936	20,477	35.9	21,915	38.4	4,186	7.3	10,507	18.4	1,851
Autauga	669	252	38.2	245	37.2	21	3.2	141	21.4	10
Baldwin	2,323	937	41.6	837	37.2	166	7.4	310	13.8	73
Barbour	277	69	25.8	108	40.4	21	7.9	69	25.8	10
Bibb	247	96	39.8	73	30.3	30	12.4	42	17.4	6
Blount	661	232	36.5	276	43.4	28	4.4	100	15.7	25
Bullock	105	30	28.8	33	31.7	6	5.8	35	33.7	1
Butler	239	106	44.7	92	38.8	6	2.5	33	13.9	2
Calhoun	1,338	410	31.3	649	49.5	75	5.7	176	13.4	28
Chambers	376	154	42.1	126	34.4	22	6.0	64	17.5	10
Cherokee	214	44	21.3	90	43.5	33	15.9	40	19.3	7
Chilton	566	163	29.8	248	45.3	33	6.0	103	18.8	19
Choctaw	131	66	51.6	38	29.7	10	7.8	14	10.9	3
Clarke	284	136	47.9	91	32.0	13	4.6	44	15.5	0
Clay	138	51	38.1	55	41.0	11	8.2	17	12.7	4
Cleburne	192	75	39.7	76	40.2	8	4.2	30	15.9	3
Coffee	639	251	40.2	230	36.8	13	2.1	131	21.0	14
Colbert	626	249	40.4	222	36.0	14	2.3	131	21.3	10
Conecuh	129	55	43.0	40	31.3	11	8.6	22	17.2	1
Coosa	101	44	44.9	33	33.7	7	7.1	14	14.3	3
Covington	445	204	47.0	140	32.3	2	0.5	88	20.3	11
Crenshaw	139	64	46.7	48	35.0	4	2.9	21	15.3	2
Cullman	1,018	361	36.5	381	38.5	50	5.1	198	20.0	28
Dale	644	266	42.2	210	33.3	13	2.1	141	22.4	14
Dallas	494	211	43.4	116	23.9	33	6.8	126	25.9	8
DeKalb	812	202	26.7	245	32.4	122	16.1	187	24.7	56
Elmore	949	338	36.2	384	41.1	33	3.5	179	19.2	15
Escambia	431	177	41.9	159	37.7	31	7.3	55	13.0	9
Etowah	1,213	288	24.8	541	46.6	76	6.5	257	22.1	51
Fayette	183	67	37.6	67	37.6	12	6.7	32	18.0	5
Franklin	458	154	34.9	141	32.0	18	4.1	128	29.0	17
Geneva	290	118	41.5	93	32.7	3	1.1	70	24.6	6
Greene	107	22	21.6	29	28.4	18	17.6	33	32.4	5
Hale	202	54	27.1	71	35.7	26	13.1	48	24.1	3
Henry	192	84	44.9	66	35.3	9	4.8	28	15.0	5

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, 2017

COUNTY	TOTAL	ADEQUATE PLUS	PERCENT ¹ ADEQUATE PLUS	ADEQUATE	PERCENT ¹ ADEQUATE	INTER-MEDIATE	PERCENT ¹ INTER-MEDIATE	INADEQUATE	PERCENT ¹ INADEQUATE	UNKNOWN
Houston	1,295	554	43.5	441	34.6	39	3.1	241	18.9	20
Jackson	584	204	36.1	234	41.4	38	6.7	89	15.8	19
Jefferson	8,704	2,788	33.2	3,336	39.7	629	7.5	1654	19.7	297
Lamar	147	57	39.9	61	42.7	8	5.6	17	11.9	4
Lauderdale	861	387	45.6	279	32.9	21	2.5	161	19.0	13
Lawrence	379	209	55.9	113	30.2	10	2.7	42	11.2	5
Lee	1,898	1,046	55.9	507	27.1	96	5.1	223	11.9	26
Limestone	1,000	414	42.6	321	33.0	64	6.6	173	17.8	28
Lowndes	118	45	38.8	44	37.9	5	4.3	22	19.0	2
Macon	182	73	41.2	41	23.2	18	10.2	45	25.4	5
Madison	4,253	1,164	28.2	1,684	40.8	472	11.4	808	19.6	125
Marengo	236	67	29.8	64	28.4	26	11.6	68	30.2	11
Marion	288	100	35.5	110	39.0	17	6.0	55	19.5	6
Marshall	1,424	439	36.7	403	33.7	77	6.4	278	23.2	227
Mobile	5,603	1,748	31.7	2,586	46.9	598	10.8	587	10.6	84
Monroe	221	82	37.3	89	40.5	16	7.3	33	15.0	1
Montgomery	3,172	1,004	32.8	1,085	35.5	163	5.3	808	26.4	112
Morgan	1,435	596	44.4	347	25.8	70	5.2	330	24.6	92
Perry	105	35	34.3	32	31.4	8	7.8	27	26.5	3
Pickens	210	74	36.5	72	35.5	21	10.3	36	17.7	7
Pike	346	155	46.3	126	37.6	9	2.7	45	13.4	11
Randolph	277	108	39.4	108	39.4	18	6.6	40	14.6	3
Russell	818	315	41.0	239	31.1	105	13.7	109	14.2	50
St. Clair	1,039	313	30.9	473	46.6	66	6.5	162	16.0	25
Shelby	2,283	691	30.8	1,107	49.4	137	6.1	305	13.6	43
Sumter	132	54	42.5	42	33.1	8	6.3	23	18.1	5
Talladega	856	292	34.8	341	40.7	81	9.7	124	14.8	18
Tallapoosa	393	235	60.6	85	21.9	18	4.6	50	12.9	5
Tuscaloosa	2,538	770	31.5	767	31.4	299	12.2	606	24.8	96
Walker	756	233	32.1	320	44.1	31	4.3	141	19.4	31
Washington	153	55	36.9	56	37.6	21	14.1	17	11.4	4
Wilcox	146	54	38.0	48	33.8	7	4.9	33	23.2	4
Winston	252	86	34.8	101	40.9	12	4.9	48	19.4	5

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, 2017

RACE AND AGE GROUP OF MOTHER	TOTAL	ADEQUACY OF PRENATAL CARE				
		ADEQUATE PLUS	ADEQUATE	INTERMEDIATE	INADEQUATE	UNKNOWN
ALL RACES	58,936	20,477	21,915	4,186	10,507	1,851
Under 15	44	10	7	4	22	1
15-19	4,241	1,265	1,351	247	1,193	185
20-24	15,777	5,151	5,568	1,119	3,456	483
25-29	18,770	6,443	7,340	1,398	3,057	532
30-34	13,425	4,844	5,356	978	1,851	396
35-39	5,647	2,268	2,024	377	776	202
40-44	976	471	254	61	141	49
45+	54	25	15	2	11	1
Not stated	2	0	0	0	0	2
WHITE	38,728	13,571	15,243	2,698	6,134	1,082
Under 15	21	4	3	2	12	0
15-19	2,548	816	835	132	667	98
20-24	9,425	3,195	3,471	599	1,916	244
25-29	12,549	4,326	5,216	933	1,751	323
30-34	9,672	3,378	4,082	729	1,228	255
35-39	3,822	1,522	1,440	267	465	128
40-44	648	311	184	34	88	31
45+	41	19	12	2	7	1
Not stated	2	0	0	0	0	2
BLACK AND OTHER	20,208	6,906	6,672	1,488	4,373	769
Under 15	23	6	4	2	10	1
15-19	1,693	449	516	115	526	87
20-24	6,352	1,956	2,097	520	1,540	239
25-29	6,221	2,117	2,124	465	1,306	209
30-34	3,753	1,466	1,274	249	623	141
35-39	1,825	746	584	110	311	74
40-44	328	160	70	27	53	18
45+	13	6	3	0	4	0
Not stated	0	0	0	0	0	0

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, 2017

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	58,936	44	1,076	3,165	15,777	18,770	13,425	5,647	976	54	2
White	38,728	21	609	1,939	9,425	12,549	9,672	3,822	648	41	2
Black and Other	20,208	23	467	1,226	6,352	6,221	3,753	1,825	328	13	0
LESS THAN 500 GRAMS	123	0	2	4	30	34	29	20	4	0	0
White	42	0	1	1	11	6	13	8	2	0	0
Black and Other	81	0	1	3	19	28	16	12	2	0	0
500-999 GRAMS	432	1	10	35	124	124	90	42	6	0	0
White	174	0	4	21	49	42	43	13	2	0	0
Black and Other	258	1	6	14	75	82	47	29	4	0	0
1,000-1,499 GRAMS	579	1	15	27	166	157	118	79	15	1	0
White	276	0	7	17	58	83	62	43	6	0	0
Black and Other	303	1	8	10	108	74	56	36	9	1	0
1,500-1,999 GRAMS	1,182	0	23	72	303	363	255	139	26	1	0
White	611	0	14	34	136	188	149	69	20	1	0
Black and Other	571	0	9	38	167	175	106	70	6	0	0
2,000-2,499 GRAMS	3,736	2	73	217	1,060	1,144	794	356	80	10	0
White	1,914	0	39	105	465	588	475	190	47	5	0
Black and Other	1,822	2	34	112	595	556	319	166	33	5	0
2,500-4,499 GRAMS	52,345	40	952	2,803	14,005	16,774	11,956	4,943	830	40	2
White	35,273	21	543	1,754	8,633	11,502	8,782	3,443	560	33	2
Black and Other	17,072	19	409	1,049	5,372	5,272	3,174	1,500	270	7	0
4,500 GRAMS AND OVER	515	0	1	6	83	168	174	66	15	2	0
White	421	0	1	6	70	135	142	54	11	2	0
Black and Other	94	0	0	0	13	33	32	12	4	0	0
NOT STATED	24	0	0	1	6	6	9	2	0	0	0
White	17	0	0	1	3	5	6	2	0	0	0
Black and Other	7	0	0	0	3	1	3	0	0	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, 1970-2017

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

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 1990-2017 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, 2017

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	6,052	10.3	3,017	7.8	3,035	15.0
Autauga	55	8.2	37	7.2	18	11.4
Baldwin	178	7.7	127	6.3	51	16.6
Barbour	25	9.0	7	6.1	18	11.1
Bibb	31	12.6	23	11.2	8	19.5
Blount	68	10.3	67	10.3	1	11.1
Bullock	11	10.5	3	12.5	8	9.9
Butler	29	12.1	12	10.4	17	13.7
Calhoun	136	10.2	74	7.8	62	15.9
Chambers	60	16.0	23	11.6	37	20.8
Cherokee	15	7.0	15	7.3	0	0.0
Chilton	41	7.2	35	6.9	6	10.2
Choctaw	13	9.9	7	9.7	6	10.2
Clarke	34	12.0	11	7.9	23	15.9
Clay	9	6.5	8	6.9	1	4.5
Cleburne	16	8.4	16	8.6	0	0.0
Coffee	38	5.9	21	4.4	17	10.2
Colbert	56	8.9	36	7.2	20	15.7
Conecuh	25	19.4	8	13.1	17	25.0
Coosa	15	14.9	5	7.6	10	28.6
Covington	41	9.2	32	8.6	9	12.3
Crenshaw	15	10.8	11	10.6	4	11.4
Cullman	83	8.2	82	8.2	1	4.5
Dale	58	9.0	37	7.7	21	12.8
Dallas	82	16.6	10	10.6	72	18.0
DeKalb	51	6.3	49	6.3	2	5.7
Elmore	91	9.6	62	8.5	29	13.2
Escambia	38	8.8	16	6.0	22	13.4
Etowah	127	10.5	88	9.5	39	13.7
Fayette	21	11.5	13	7.9	8	44.4
Franklin	53	11.6	51	11.5	2	14.3
Geneva	21	7.2	15	6.0	6	15.8
Greene	12	11.2	1	5.9	11	12.2
Hale	18	8.9	4	5.8	14	10.5
Henry	17	8.9	10	6.8	7	15.2
Houston	125	9.7	55	6.9	70	14.1
Jackson	48	8.2	44	8.2	4	8.2
Jefferson	1,034	11.9	353	7.9	681	16.1
Lamar	14	9.5	10	7.8	4	22.2
Lauderdale	86	10.0	63	8.5	23	18.7
Lawrence	36	9.5	31	9.1	5	13.5
Lee	179	9.4	101	7.7	78	13.2
Limestone	90	9.0	73	8.6	17	11.3
Lowndes	14	11.9	2	8.3	12	12.8
Macon	25	13.7	2	5.0	23	16.2
Madison	410	9.6	180	6.4	230	16.1
Marengo	25	10.6	6	6.3	19	13.6
Marion	28	9.7	23	8.7	5	21.7
Marshall	105	7.4	92	7.6	13	5.9
Mobile	605	10.8	238	8.0	367	14.0
Monroe	16	7.2	4	3.7	12	10.6
Montgomery	394	12.4	69	7.3	325	14.6
Morgan	135	9.4	86	7.3	49	18.8
Perry	19	18.1	3	12.5	16	19.8
Pickens	28	13.3	8	8.5	20	17.2
Pike	37	10.7	10	5.2	27	17.6
Randolph	24	8.7	15	6.9	9	14.8
Russell	101	12.3	38	9.5	63	15.1
St. Clair	97	9.3	84	8.9	13	13.3
Shelby	170	7.5	117	6.3	53	12.6
Sumter	15	11.4	3	9.7	12	11.9
Talladega	100	11.7	46	9.1	54	15.4
Tallapoosa	63	16.0	26	10.2	37	26.6
Tuscaloosa	276	10.9	101	7.3	175	15.2
Walker	98	13.0	81	12.1	17	19.8
Washington	21	13.7	9	9.2	12	21.8
Wilcox	26	17.8	3	9.1	23	20.4
Winston	25	9.9	25	10.2	0	0.0

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, 2017

RACE AND AGE GROUP OF MOTHER	TOTAL BIRTHS	LOW WEIGHT BIRTHS	PERCENT OF LOW WEIGHT BIRTHS	UNKNOWN/ NOT STATED
ALL RACES	58,936	6,052	10.3	24
Under 15	44	4	---	0
15-17	1,076	123	11.4	0
18-19	3,165	355	11.2	1
20-24	15,777	1,683	10.7	6
25-29	18,770	1,822	9.7	6
30-34	13,425	1,286	9.6	9
35-39	5,647	636	11.3	2
40-44	976	131	13.4	0
45+	54	12	22.2	0
Not stated	2	0	---	0
WHITE	38,728	3,017	7.8	17
Under 15	21	0	---	0
15-17	609	65	10.7	0
18-19	1,939	178	9.2	1
20-24	9,425	719	7.6	3
25-29	12,549	907	7.2	5
30-34	9,672	742	7.7	6
35-39	3,822	323	8.5	2
40-44	648	77	11.9	0
45+	41	6	---	0
Not stated	2	0	---	0
BLACK AND OTHER	20,208	3,035	15.0	7
Under 15	23	4	---	0
15-17	467	58	12.4	0
18-19	1,226	177	14.4	0
20-24	6,352	964	15.2	3
25-29	6,221	915	14.7	1
30-34	3,753	544	14.5	3
35-39	1,825	313	17.2	0
40-44	328	54	16.5	0
45+	13	6	---	0
Not stated	0	0	---	0

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

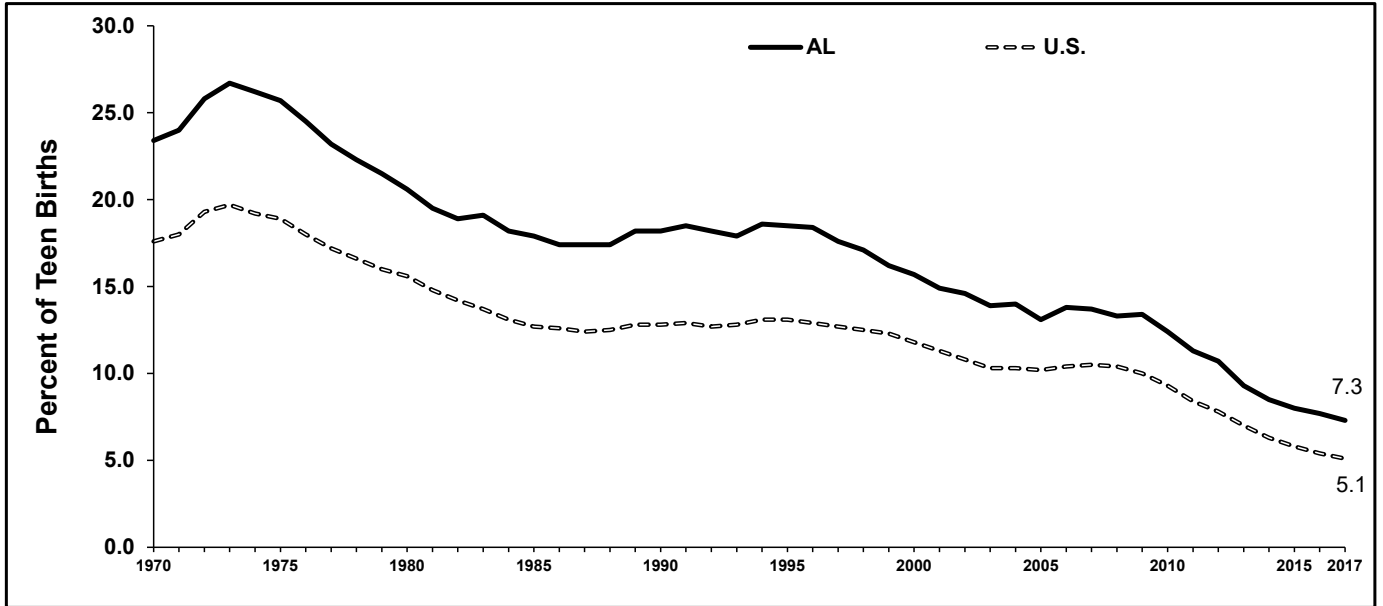
² Percentages were not calculated in instances where there were fewer than 50 live births in specified population group. Denominator includes only births with known birth weights.

TABLE 17
NUMBER AND PERCENT OF BIRTHS TO TEENAGE MOTHERS BY RACE¹
ALABAMA AND UNITED STATES, 1970-2017

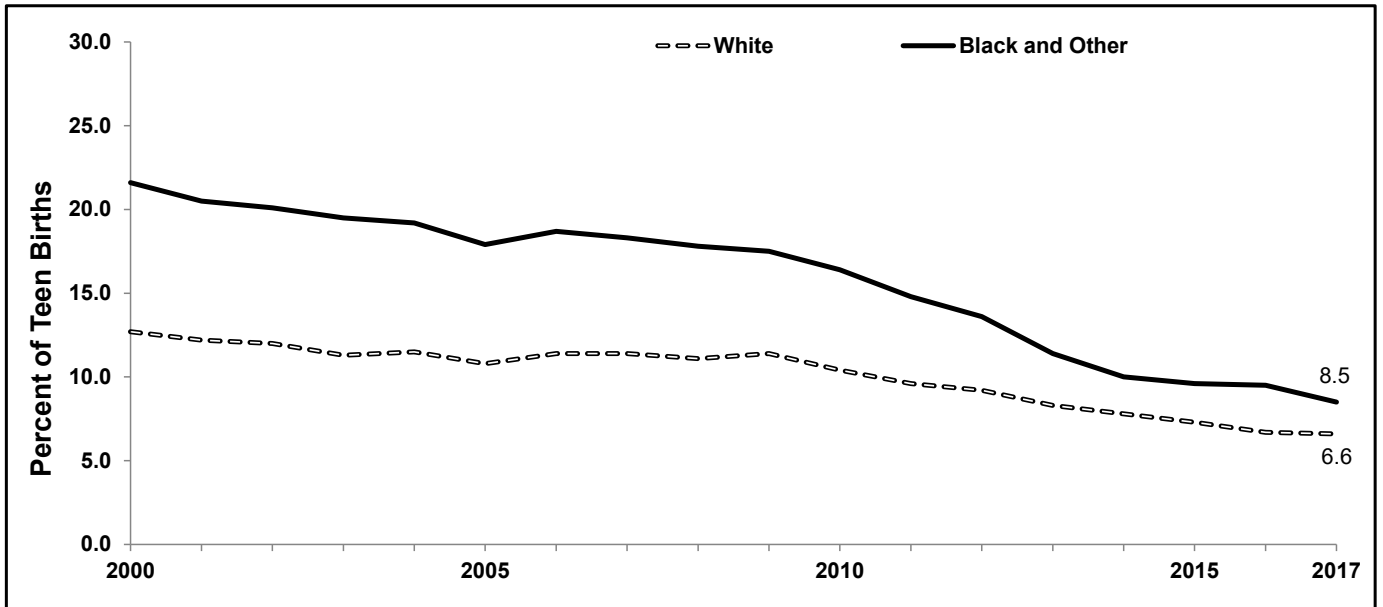
YEAR	TOTAL			WHITE		BLACK AND OTHER	
	ALABAMA		U.S.	ALABAMA		ALABAMA	
	NUMBER	PERCENT	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
1970	15,834	23.4	17.6	8,734	19.2	7,100	32.1
1971	15,990	24.0	18.0	8,568	19.4	7,422	32.9
1972	15,917	25.8	19.3	8,279	20.6	7,638	35.3
1973	15,895	26.7	19.7	8,338	21.5	7,557	36.6
1974	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

¹ Data for 1970-1989 are by race of child. Data for 1990-2017 are by race of mother.

**FIGURE 5. PERCENT OF BIRTHS TO TEENAGE MOTHERS
ALABAMA AND UNITED STATES, 1970-2017**



**FIGURE 6. PERCENT OF BIRTHS TO TEENAGE MOTHERS BY RACE OF MOTHER
ALABAMA, 2000-2017**



**TABLE 18
NUMBER AND PERCENT¹ OF BIRTHS TO TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2017**

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	4,285	7.3	2,569	6.6	1,716	8.5
Autauga	51	7.6	41	8.0	10	6.3
Baldwin	165	7.1	138	6.8	27	8.8
Barbour	28	10.1	12	10.4	16	9.9
Bibb	18	7.3	16	7.8	2	4.9
Blount	44	6.7	43	6.6	1	11.1
Bullock	6	5.7	1	4.2	5	6.2
Butler	26	10.9	11	9.6	15	12.1
Calhoun	111	8.3	77	8.1	34	8.7
Chambers	17	4.5	8	4.0	9	5.1
Cherokee	17	7.9	15	7.3	2	25.0
Chilton	47	8.3	44	8.7	3	5.1
Choctaw	9	6.9	2	2.8	7	11.9
Clarke	32	11.3	12	8.6	20	13.8
Clay	13	9.4	11	9.5	2	9.1
Cleburne	14	7.3	14	7.5	0	0.0
Coffee	47	7.4	36	7.6	11	6.6
Colbert	43	6.9	35	7.0	8	6.3
Conecuh	16	12.4	8	13.1	8	11.8
Coosa	13	12.9	8	12.1	5	14.3
Covington	34	7.6	31	8.3	3	4.1
Crenshaw	4	2.9	3	2.9	1	2.9
Cullman	98	9.6	97	9.7	1	4.5
Dale	44	6.8	31	6.5	13	7.9
Dallas	42	8.5	5	5.3	37	9.3
DeKalb	73	9.0	69	8.9	4	11.4
Elmore	58	6.1	40	5.5	18	8.2
Escambia	45	10.4	27	10.1	18	11.0
Etowah	119	9.8	95	10.2	24	8.4
Fayette	23	12.6	22	13.3	1	5.6
Franklin	67	14.6	64	14.4	3	21.4
Geneva	34	11.7	29	11.5	5	13.2
Greene	15	14.0	1	5.9	14	15.6
Hale	17	8.4	3	4.3	14	10.5
Henry	14	7.3	10	6.8	4	8.7
Houston	104	8.0	50	6.3	54	10.8
Jackson	49	8.4	44	8.2	5	10.2
Jefferson	522	6.0	169	3.8	353	8.3
Lamar	17	11.6	11	8.5	6	33.3
Lauderdale	66	7.7	59	8.0	7	5.7
Lawrence	24	6.3	22	6.4	2	5.4
Lee	98	5.2	58	4.4	40	6.8
Limestone	60	6.0	54	6.4	6	4.0
Lowndes	9	7.6	0	0.0	9	9.6
Macon	23	12.6	5	12.5	18	12.7
Madison	215	5.1	111	3.9	104	7.3
Marengo	20	8.5	7	7.3	13	9.3
Marion	34	11.8	30	11.3	4	17.4
Marshall	145	10.2	123	10.2	22	10.0
Mobile	399	7.1	188	6.3	211	8.0
Monroe	23	10.4	7	6.5	16	14.2
Montgomery	261	8.2	53	5.6	208	9.3
Morgan	127	8.9	103	8.8	24	9.2
Perry	8	7.6	1	4.2	7	8.6
Pickens	16	7.6	7	7.4	9	7.8
Pike	25	7.2	9	4.7	16	10.4
Randolph	25	9.0	20	9.3	5	8.2
Russell	56	6.8	29	7.2	27	6.5
St. Clair	62	6.0	57	6.1	5	5.1
Shelby	76	3.3	66	3.5	10	2.4
Sumter	11	8.3	0	0.0	11	10.9
Talladega	76	8.9	41	8.1	35	10.0
Tallapoosa	43	10.9	20	7.9	23	16.5
Tuscaloosa	155	6.1	59	4.2	96	8.4
Walker	80	10.6	71	10.6	9	10.5
Washington	11	7.2	3	3.1	8	14.5
Wilcox	11	7.5	3	9.1	8	7.1
Winston	30	11.9	30	12.3	0	0.0

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, 2017

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	4,285	13.9	2,569	13.0	1,716	15.6
Autauga	51	13.4	41	14.3	10	10.7
Baldwin	165	12.6	138	13.0	27	10.9
Barbour	28	19.6	12	19.4	16	19.7
Bibb	18	15.2	16	17.3	2	7.7
Blount	44	11.7	43	12.2	1	4.4
Bullock	6	11.3	1	10.8	5	11.5
Butler	26	22.0	11	21.3	15	22.6
Calhoun	111	15.4	77	15.4	34	15.5
Chambers	17	9.3	8	8.7	9	10.0
Cherokee	17	11.3	15	10.9	2	14.7
Chilton	47	16.6	44	18.3	3	7.0
Choctaw	9	12.3	2	5.0	7	21.1
Clarke	32	20.4	12	15.2	20	25.6
Clay	13	17.3	11	18.2	2	13.7
Cleburne	14	15.9	14	16.9	0	0.0
Coffee	47	14.5	36	15.1	11	12.8
Colbert	43	13.8	35	14.5	8	11.3
Conecuh	16	22.7	8	28.0	8	19.1
Coosa	13	25.4	8	24.2	5	27.5
Covington	34	15.7	31	17.7	3	7.4
Crenshaw	4	4.6	3	5.0	1	3.6
Cullman	98	19.9	97	20.8	1	4.1
Dale	44	14.7	31	15.7	13	12.8
Dallas	42	15.4	5	9.5	37	16.8
DeKalb	73	15.3	69	15.9	4	9.2
Elmore	58	11.5	40	11.0	18	12.7
Escambia	45	19.5	27	20.9	18	17.8
Etowah	119	19.2	95	20.0	24	16.7
Fayette	23	24.7	22	27.0	1	8.6
Franklin	67	33.1	64	34.4	3	18.0
Geneva	34	20.7	29	21.1	5	18.7
Greene	15	30.2	1	19.6	14	31.4
Hale	17	18.0	3	9.1	14	22.7
Henry	14	14.1	10	14.8	4	12.7
Houston	104	16.1	50	12.4	54	22.3
Jackson	49	16.1	44	16.0	5	17.3
Jefferson	522	12.7	169	8.7	353	16.3
Lamar	17	19.8	11	14.9	6	50.8
Lauderdale	66	11.3	59	12.3	7	6.8
Lawrence	24	12.4	22	15.4	2	4.0
Lee	98	8.6	58	7.4	40	11.2
Limestone	60	10.1	54	11.6	6	4.7
Lowndes	9	15.2	0	0.0	9	18.7
Macon	23	17.2	5	41.0	18	14.8
Madison	215	9.4	111	7.7	104	12.1
Marengo	20	17.0	7	14.9	13	18.4
Marion	34	20.2	30	19.1	4	35.7
Marshall	145	23.2	123	21.5	22	42.6
Mobile	399	15.1	188	13.5	211	16.8
Monroe	23	16.8	7	9.8	16	24.4
Montgomery	261	18.2	53	13.3	208	20.0
Morgan	127	17.2	103	17.7	24	15.5
Perry	8	11.6	1	5.0	7	14.3
Pickens	16	14.8	7	13.0	9	16.7
Pike	25	10.0	9	6.8	16	13.8
Randolph	25	17.8	20	19.7	5	12.8
Russell	56	15.8	29	20.0	27	12.9
St. Clair	62	11.9	57	12.8	5	6.7
Shelby	76	5.2	66	5.7	10	3.5
Sumter	11	12.3	0	0.0	11	16.2
Talladega	76	14.9	41	14.0	35	16.3
Tallapoosa	43	18.7	20	13.6	23	27.7
Tuscaloosa	155	10.4	59	6.5	96	16.5
Walker	80	21.6	71	21.8	9	20.0
Washington	11	10.4	3	4.7	8	19.1
Wilcox	11	14.8	3	21.6	8	13.2
Winston	30	21.2	30	22.4	0	0.0

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, 2017

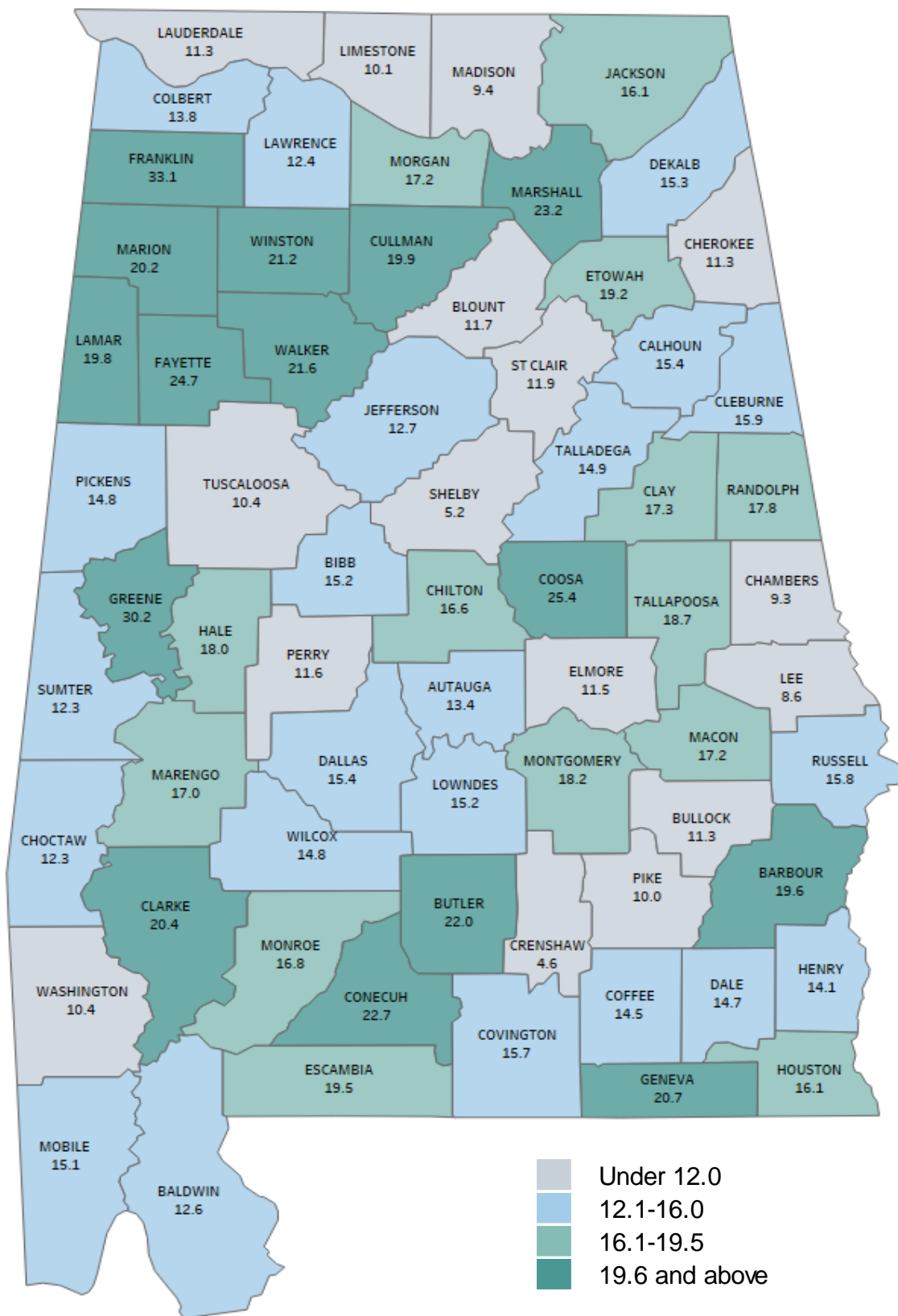


TABLE 20
NUMBER AND PERCENT¹ OF BIRTHS
TO UNMARRIED TEENAGE MOTHERS BY RACE²
ALABAMA AND UNITED STATES, 1970-2017³

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

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 1990-2017 are by race of mother.

³ Data for 1970 are by occurrence. Data for 1971-2017 are by residence.

TABLE 21
NUMBER AND PERCENT¹ OF BIRTHS TO UNMARRIED TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2017

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	3,794	88.5	2,121	82.6	1,673	97.5
Autauga	43	84.3	33	80.5	10	100.0
Baldwin	146	88.5	120	87.0	26	96.3
Barbour	24	85.7	8	66.7	16	100.0
Bibb	17	94.4	15	93.8	2	100.0
Blount	37	84.1	36	83.7	1	100.0
Bullock	6	100.0	1	100.0	5	100.0
Butler	26	100.0	11	100.0	15	100.0
Calhoun	104	93.7	70	90.9	34	100.0
Chambers	15	88.2	6	75.0	9	100.0
Cherokee	14	82.4	12	80.0	2	100.0
Chilton	41	87.2	38	86.4	3	100.0
Choctaw	9	100.0	2	100.0	7	100.0
Clarke	30	93.8	10	83.3	20	100.0
Clay	11	84.6	9	81.8	2	100.0
Cleburne	13	92.9	13	92.9	0	---
Coffee	37	78.7	27	75.0	10	90.9
Colbert	39	90.7	31	88.6	8	100.0
Conecuh	14	87.5	6	75.0	8	100.0
Coosa	11	84.6	6	75.0	5	100.0
Covington	32	94.1	29	93.5	3	100.0
Crenshaw	3	75.0	2	66.7	1	100.0
Cullman	80	81.6	79	81.4	1	100.0
Dale	34	77.3	22	71.0	12	92.3
Dallas	42	100.0	5	100.0	37	100.0
DeKalb	61	83.6	57	82.6	4	100.0
Elmore	53	91.4	35	87.5	18	100.0
Escambia	40	88.9	23	85.2	17	94.4
Etowah	102	85.7	79	83.2	23	95.8
Fayette	17	73.9	16	72.7	1	100.0
Franklin	52	77.6	50	78.1	2	66.7
Geneva	32	94.1	27	93.1	5	100.0
Greene	15	100.0	1	100.0	14	100.0
Hale	16	94.1	2	66.7	14	100.0
Henry	13	92.9	9	90.0	4	100.0
Houston	97	93.3	43	86.0	54	100.0
Jackson	38	77.6	33	75.0	5	100.0
Jefferson	498	95.4	150	88.8	348	98.6
Lamar	15	88.2	9	81.8	6	100.0
Lauderdale	51	77.3	44	74.6	7	100.0
Lawrence	18	75.0	16	72.7	2	100.0
Lee	84	85.7	46	79.3	38	95.0
Limestone	51	85.0	45	83.3	6	100.0
Lowndes	9	100.0	0	---	9	100.0
Macon	21	91.3	3	60.0	18	100.0
Madison	194	90.2	90	81.1	104	100.0
Marengo	17	85.0	4	57.1	13	100.0
Marion	28	82.4	24	80.0	4	100.0
Marshall	105	72.4	90	73.2	15	68.2
Mobile	374	93.7	166	88.3	208	98.6
Monroe	21	91.3	6	85.7	15	93.8
Montgomery	236	90.4	35	66.0	201	96.6
Morgan	107	84.3	84	81.6	23	95.8
Perry	7	87.5	0	0.0	7	100.0
Pickens	13	81.3	5	71.4	8	88.9
Pike	24	96.0	8	88.9	16	100.0
Randolph	21	84.0	16	80.0	5	100.0
Russell	46	82.1	20	69.0	26	96.3
St. Clair	55	88.7	50	87.7	5	100.0
Shelby	65	85.5	55	83.3	10	100.0
Sumter	10	90.9	0	---	10	90.9
Talladega	71	93.4	37	90.2	34	97.1
Tallapoosa	41	95.3	18	90.0	23	100.0
Tuscaloosa	141	91.0	48	81.4	93	96.9
Walker	62	77.5	57	80.3	5	55.6
Washington	10	90.9	2	66.7	8	100.0
Wilcox	9	81.8	1	33.3	8	100.0
Winston	26	86.7	26	86.7	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, 1970-2017

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

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, 1970-2017

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	63.2	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

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
ALABAMA, 1970-2017

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

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, 2017

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	78,168	82.3	58,936	6,768	12,464	49,084	80.0	38,728	2,373	7,983	29,084	86.4	20,208	4,395	4,481
Autauga	896	82.2	669	85	142	657	81.7	511	40	106	239	83.7	158	45	36
Baldwin	2,813	75.6	2,323	23	467	2,436	77.8	2,015	16	405	377	63.9	308	7	62
Barbour	369	94.3	277	33	59	146	88.0	115	7	24	223	99.0	162	26	35
Bibb	307	81.2	247	10	50	256	85.4	206	8	42	51	65.3	41	2	8
Blount	830	80.1	661	33	136	818	82.3	652	32	134	12	28.2	9	1	2
Bullock	155	94.3	105	26	24	31	96.9	24	2	5	124	93.7	81	24	19
Butler	303	81.7	239	15	49	139	86.1	115	1	23	164	78.3	124	14	26
Calhoun	1,773	79.5	1,338	152	283	1,221	77.0	949	75	197	552	85.8	389	77	86
Chambers	512	84.7	376	55	81	253	81.7	198	14	41	259	88.0	178	41	40
Cherokee	268	64.8	214	10	44	258	66.8	206	10	42	10	35.7	8	0	2
Chilton	717	88.0	566	34	117	633	90.5	507	22	104	84	72.9	59	12	13
Choctaw	175	80.4	131	16	28	90	74.7	72	3	15	85	87.4	59	13	13
Clarke	355	79.5	284	13	58	170	79.1	139	3	28	185	79.8	145	10	30
Clay	181	77.2	138	14	29	147	75.9	116	7	24	34	83.6	22	7	5
Cleburne	240	96.2	192	9	39	232	97.4	186	8	38	8	70.9	6	1	1
Coffee	814	84.0	639	43	132	595	83.8	473	25	97	219	84.7	166	18	35
Colbert	812	82.6	626	55	131	641	82.9	499	38	104	171	81.7	127	17	27
Conecuh	168	80.1	129	12	27	75	82.6	61	2	12	93	78.1	68	10	15
Coosa	127	77.5	101	5	21	81	75.7	66	2	13	45	81.2	35	3	7
Covington	547	86.9	445	12	90	453	87.6	372	6	75	94	83.6	73	6	15
Crenshaw	175	69.8	139	7	29	130	75.3	104	5	21	44	57.6	35	2	7
Cullman	1,277	85.9	1,018	50	209	1,245	87.5	996	45	204	32	51.3	22	5	5
Dale	801	85.7	644	26	131	586	90.1	480	9	97	216	75.7	164	17	35
Dallas	690	90.3	494	88	108	121	74.9	94	7	20	569	94.4	400	81	88
DeKalb	1,006	77.9	812	29	165	960	80.8	777	25	158	46	44.4	35	4	7
Elmore	1,254	75.5	949	105	200	935	77.9	729	55	151	319	69.2	220	50	49
Escambia	528	83.6	431	10	87	324	85.7	267	3	54	205	80.6	164	7	34
Etowah	1,576	83.1	1,213	109	254	1,171	79.5	928	52	191	405	95.4	285	57	63
Fayette	238	86.4	183	17	38	212	88.8	165	13	34	26	70.7	18	4	4
Franklin	566	101.0	458	15	93	546	106.5	444	12	90	20	41.8	14	3	3
Geneva	350	78.1	290	2	58	304	78.9	252	1	51	47	73.3	38	1	8
Greene	153	111.6	107	22	24	22	118.1	17	1	4	131	110.6	90	21	20
Hale	279	101.3	202	33	44	87	94.8	69	4	14	192	104.5	133	29	30

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.

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.

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.

TABLE 25 (Continued)
ESTIMATED PREGNANCIES¹, PREGNANCY RATES² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2017

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	78,168	82.3	58,936	6,768	12,464	49,084	80.0	38,728	2,373	7,983	29,084	86.4	20,208	4,395	4,481
Henry	236	80.9	192	5	39	179	89.3	146	3	30	57	62.5	46	2	9
Houston	1,623	80.8	1,295	63	265	983	76.5	797	24	162	641	88.4	498	39	104
Jackson	729	80.4	584	26	119	666	80.7	535	22	109	63	77.6	49	4	10
Jefferson	12,350	90.9	8,704	1,732	1,914	5,799	86.9	4,466	400	933	6,551	94.8	4,238	1,332	981
Lamar	181	78.0	147	4	30	158	79.2	129	3	26	23	70.7	18	1	4
Lauderdale	1,103	62.2	861	63	179	930	62.4	738	40	152	173	60.8	123	23	27
Lawrence	475	82.6	379	18	78	424	95.4	342	12	70	51	39.1	37	6	8
Lee	2,607	66.5	1,898	299	410	1,735	63.8	1,308	150	277	872	72.6	590	149	133
Limestone	1,307	75.4	1,000	97	210	1,085	78.0	849	60	176	222	64.8	151	37	34
Lowndes	168	93.6	118	24	26	30	84.2	24	1	5	138	95.9	94	23	21
Macon	283	68.1	182	59	42	51	107.1	40	3	8	232	63.1	142	56	34
Madison	5,892	82.6	4,253	717	922	3,680	83.9	2,824	265	591	2,212	80.6	1,429	452	331
Marengo	317	90.3	236	31	50	122	84.5	96	6	20	196	94.3	140	25	31
Marion	364	73.5	288	17	59	332	70.9	265	13	54	32	117.6	23	4	5
Marshall	1,788	104.8	1,424	72	292	1,508	94.9	1,204	57	247	281	239.9	220	15	46
Mobile	6,878	82.7	5,603	140	1,135	3,623	79.3	2,976	47	600	3,255	86.7	2,627	93	535
Monroe	270	70.4	221	4	45	130	69.3	108	0	22	140	71.4	113	4	23
Montgomery	4,540	95.0	3,172	667	701	1,214	90.9	946	72	196	3,326	96.6	2,226	595	505
Morgan	1,896	88.8	1,435	158	303	1,511	88.7	1,174	93	244	385	89.1	261	65	59
Perry	152	80.6	105	24	23	33	58.7	24	4	5	119	90.0	81	20	18
Pickens	281	78.6	210	26	45	117	63.7	94	4	19	163	94.4	116	22	25
Pike	487	59.8	346	65	76	247	56.2	192	15	40	240	64.0	154	50	36
Randolph	350	90.0	277	16	57	268	92.4	216	8	44	82	82.9	61	8	13
Russell	1,122	97.2	818	128	176	525	99.9	401	40	84	597	94.9	417	88	92
St. Clair	1,324	82.2	1,039	70	215	1,179	84.1	941	45	193	145	69.7	98	25	22
Shelby	2,941	70.2	2,283	183	475	2,357	71.0	1,864	109	384	584	67.1	419	74	91
Sumter	194	68.1	132	32	30	41	57.4	31	3	7	153	71.7	101	29	23
Talladega	1,145	76.1	856	107	182	649	73.7	505	39	105	496	79.3	351	68	77
Tallapoosa	527	77.0	393	50	84	326	74.5	254	19	53	201	81.4	139	31	31
Tuscaloosa	3,712	74.5	2,538	606	568	1,896	62.4	1,390	207	299	1,817	93.2	1,148	399	270
Walker	955	85.7	756	43	156	838	83.8	670	31	137	116	103.5	86	12	18
Washington	188	65.6	153	4	31	119	67.1	98	1	20	69	63.3	55	3	11
Wilcox	187	94.2	146	11	30	40	95.9	33	0	7	148	93.7	113	11	24
Winston	313	80.8	252	10	51	304	81.4	244	10	50	10	65.3	8	0	2

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.

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. 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.

TABLE 26
ESTIMATED PREGNANCY RATES BY RACE AND AGE GROUP OF FEMALE
ALABAMA, 2008-2017

AGE GROUP OF FEMALE	YEAR									
	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
TOTAL										
All ages ¹	93.4	89.8	85.3	83.9	82.2	81.2	82.2	80.6	82.5	82.3
10-19 ²	39.2	37.9	32.5	29.6	27.7	24.2	22.5	20.7	20.3	19.2
10-14 ²	1.9	1.8	1.3	1.2	1.0	0.8	0.7	0.6	0.6	0.5
15-17 ²	38.0	37.2	31.9	29.2	26.1	21.7	20.4	18.4	18.4	16.0
18-19 ²	128.3	122.9	105.8	98.9	96.7	85.6	79.6	72.6	70.1	69.0
20 and above ³	77.9	76.2	73.6	73.3	72.4	72.9	74.6	73.9	75.7	75.7
WHITE										
All ages ¹	88.6	86.2	85.0	81.3	79.2	78.7	80.2	79.8	80.8	80.0
10-19 ²	32.4	32.1	28.5	24.9	23.6	21.3	20.3	18.6	17.6	17.1
10-14 ²	0.9	0.9	0.7	0.6	0.5	0.4	0.4	0.3	0.4	0.3
15-17 ²	29.7	29.4	26.3	23.9	21.5	18.5	17.9	15.4	14.9	13.3
18-19 ²	112.1	111.1	97.0	86.6	85.5	78.0	73.8	68.1	63.1	63.4
20 and above ³	74.3	73.5	73.3	71.2	69.8	70.3	72.3	72.7	73.9	73.2
BLACK AND OTHER										
All ages ¹	103.0	97.0	85.8	88.9	87.9	86.0	85.9	82.1	85.5	86.4
10-19 ²	51.6	48.4	39.0	37.9	35.0	29.4	26.6	24.5	25.2	23.1
10-14 ²	3.8	3.5	2.3	2.2	1.8	1.6	1.2	1.0	1.0	0.8
15-17 ²	52.2	50.7	40.8	38.3	34.0	27.4	24.8	23.7	24.5	20.7
18-19 ²	156.0	143.3	119.8	119.7	116.1	98.8	89.8	80.5	82.3	78.9
20 and above ³	85.5	82.1	74.2	77.6	77.6	78.0	79.0	76.0	79.3	80.6

¹ Rates are per 1,000 females aged 15-44 years.

² Rates are per 1,000 females in specified age group.

³ Rates are per 1,000 females aged 20-44 years.

TABLE 27
ESTIMATED PREGNANCIES, PREGNANCY RATES AND PREGNANCY OUTCOMES BY RACE AND AGE GROUP OF FEMALE
ALABAMA, 2017

	AGE GROUP OF FEMALE						
	TOTAL	10-14	15-17	18-19	10-19	20 AND ABOVE	UNKNOWN
ESTIMATED PREGNANCIES¹	78,168	78	1,507	4,337	5,922	72,244	2
White	49,084	33	801	2,540	3,374	45,707	2
Black and Other	29,084	45	706	1,797	2,548	26,537	0
ESTIMATED PREGNANCY RATES²	82.3	0.5	16.0	69.0	19.2	75.7	--
White	80.0	0.3	13.3	63.4	17.1	73.2	--
Black and Other	86.4	0.8	20.7	78.9	23.1	80.6	--
LIVE BIRTHS	58,936	44	1,076	3,165	4,285	54,649	2
White	38,728	21	609	1,939	2,569	36,157	2
Black and Other	20,208	23	467	1,226	1,716	18,492	0
ABORTIONS	6,768	23	196	490	709	5,579	0
White	2,373	7	64	194	265	2,108	0
Black and Other	4,395	16	132	296	444	3,471	0
ESTIMATED TOTAL FETAL LOSSES³	12,464	11	235	682	928	11,536	0
White	7,983	5	128	407	540	7,442	0
Black and Other	4,481	6	107	275	388	4,094	0
FEMALE POPULATION	949,949	150,981	94,243	62,829	308,053	953,880	--
White	613,466	97,643	60,079	40,052	197,774	624,524	--
Black and Other	336,483	53,338	34,165	22,776	110,279	329,356	--

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, 2017

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	5,922	19.2	4,285	709	928	3,374	17.1	2,569	265	540	2,548	23.1	1,716	444	388
Autauga	72	19.0	51	10	11	56	19.5	41	6	9	16	17.5	10	4	2
Baldwin	204	15.5	165	5	34	169	15.9	138	3	28	35	14.0	27	2	6
Barbour	38	26.6	28	4	6	17	26.9	12	2	3	21	26.3	16	2	3
Bibb	23	19.1	18	1	4	20	21.9	16	1	3	2	9.2	2	0	0
Blount	55	14.7	44	2	9	54	15.3	43	2	9	1	5.3	1	0	0
Bullock	8	15.7	6	1	1	2	24.7	1	1	0	6	13.8	5	0	1
Butler	32	27.4	26	1	5	14	27.7	11	1	2	18	27.1	15	0	3
Calhoun	150	20.8	111	15	24	101	20.3	77	8	16	49	22.1	34	7	8
Chambers	23	12.4	17	2	4	10	10.4	8	0	2	13	14.5	9	2	2
Cherokee	22	14.3	17	1	4	19	13.9	15	1	3	2	17.6	2	0	0
Chilton	59	20.7	47	2	10	55	22.9	44	2	9	4	8.4	3	0	1
Choctaw	15	20.8	9	4	2	2	6.0	2	0	0	13	38.6	7	4	2
Clarke	40	25.2	32	1	7	16	19.6	12	1	3	24	30.7	20	0	4
Clay	20	26.6	13	4	3	14	23.6	11	1	2	6	39.0	2	3	1
Cleburne	18	20.3	14	1	3	18	21.6	14	1	3	0	0.0	0	0	0
Coffee	62	19.1	47	5	10	47	19.5	36	3	8	15	17.9	11	2	2
Colbert	55	17.6	43	3	9	43	17.9	35	1	7	12	16.7	8	2	2
Conecuh	21	30.4	16	2	3	10	33.6	8	0	2	12	28.2	8	2	2
Coosa	17	32.6	13	1	3	10	29.1	8	0	2	7	39.0	5	1	1
Covington	43	19.9	34	2	7	38	21.8	31	1	6	5	11.6	3	1	1
Crenshaw	7	8.0	4	2	1	6	9.7	3	2	1	1	4.4	1	0	0
Cullman	124	25.3	98	6	20	122	26.1	97	5	20	2	9.5	1	1	0
Dale	56	18.8	44	3	9	39	20.0	31	2	6	17	16.5	13	1	3
Dallas	65	23.7	42	13	10	7	13.5	5	1	1	58	26.1	37	12	9
DeKalb	94	19.7	73	6	15	89	20.6	69	6	14	5	11.0	4	0	1
Elmore	85	16.8	58	14	13	59	16.2	40	10	9	26	18.3	18	4	4
Escambia	54	23.5	45	0	9	32	25.1	27	0	5	22	21.4	18	0	4
Etowah	154	24.8	119	10	25	118	24.9	95	4	19	35	24.7	24	6	5
Fayette	30	32.0	23	2	5	28	33.8	22	1	5	2	19.8	1	1	0
Franklin	84	41.3	67	3	14	79	42.5	64	2	13	5	28.1	3	1	1
Geneva	42	25.5	34	1	7	35	25.3	29	0	6	7	26.6	5	1	1
Greene	22	45.1	15	4	3	1	23.5	1	0	0	21	47.5	14	4	3
Hale	28	29.7	17	7	4	4	10.9	3	0	1	25	39.8	14	7	4

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 10-19 years. 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. 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.

TABLE 28 (Continued)
ESTIMATED TEENAGE PREGNANCIES¹, PREGNANCY RATES² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2017

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	5,922	19.2	4,285	709	928	3,374	17.1	2,569	265	540	2,548	23.1	1,716	444	388
Henry	18	18.1	14	1	3	13	19.4	10	1	2	5	15.2	4	0	1
Houston	138	21.4	104	12	22	67	16.5	50	6	11	71	29.5	54	6	11
Jackson	62	20.5	49	3	10	56	20.4	44	3	9	6	20.8	5	0	1
Jefferson	806	19.6	522	163	121	242	12.5	169	36	37	563	25.9	353	127	83
Lamar	20	23.8	17	0	3	13	17.9	11	0	2	7	61.0	6	0	1
Lauderdale	84	14.4	66	4	14	74	15.5	59	3	12	10	9.2	7	1	2
Lawrence	35	18.4	24	6	5	30	20.7	22	3	5	6	11.5	2	3	1
Lee	165	14.4	98	43	24	99	12.7	58	27	14	66	18.3	40	16	10
Limestone	82	13.8	60	9	13	71	15.3	54	6	11	11	8.3	6	3	2
Lowndes	11	18.2	9	0	2	0	0.0	0	0	0	11	22.4	9	0	2
Macon	36	27.2	23	8	5	7	58.2	5	1	1	29	24.1	18	7	4
Madison	332	14.4	215	67	50	150	10.4	111	15	24	182	21.2	104	52	26
Marengo	31	26.0	20	6	5	11	22.5	7	2	2	20	28.3	13	4	3
Marion	44	26.2	34	3	7	39	25.0	30	3	6	5	42.9	4	0	1
Marshall	183	29.3	145	8	30	153	26.7	123	5	25	30	57.6	22	3	5
Mobile	495	18.7	399	15	81	230	16.5	188	4	38	265	21.2	211	11	43
Monroe	30	21.8	23	2	5	8	11.8	7	0	1	21	32.6	16	2	3
Montgomery	389	27.1	261	69	59	66	16.5	53	2	11	323	31.2	208	67	48
Morgan	167	22.6	127	13	27	132	22.7	103	8	21	34	22.2	24	5	5
Perry	13	18.7	8	3	2	3	16.8	1	2	0	10	19.5	7	1	2
Pickens	20	18.8	16	1	3	8	15.6	7	0	1	12	22.1	9	1	2
Pike	43	17.3	25	12	6	15	11.4	9	4	2	28	24.2	16	8	4
Randolph	31	22.2	25	1	5	25	24.8	20	1	4	6	15.3	5	0	1
Russell	73	20.6	56	5	12	36	24.7	29	1	6	37	17.6	27	4	6
St. Clair	83	16.0	62	8	13	74	16.6	57	5	12	9	12.5	5	3	1
Shelby	109	7.5	76	16	17	92	7.9	66	12	14	16	5.7	10	4	2
Sumter	15	17.2	11	2	2	0	0.0	0	0	0	15	22.6	11	2	2
Talladega	106	20.8	76	13	17	56	19.0	41	6	9	50	23.1	35	7	8
Tallapoosa	55	23.9	43	3	9	25	17.1	20	1	4	30	35.9	23	2	5
Tuscaloosa	259	17.4	155	66	38	105	11.6	59	31	15	154	26.4	96	35	23
Walker	103	27.7	80	6	17	92	28.2	71	6	15	11	24.1	9	0	2
Washington	13	12.5	11	0	2	4	5.6	3	0	1	10	23.0	8	0	2
Wilcox	13	17.7	11	0	2	4	25.9	3	0	1	10	15.9	8	0	2
Winston	38	27.0	30	2	6	38	28.5	30	2	6	0	0.0	0	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 10-19 years. 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. 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.

TABLE 29
FETAL DEATHS AND FETAL DEATH RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2017

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

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 1990-2017 are by race of mother for fetal deaths and live births.

TABLE 30
FETAL DEATHS AND FETAL DEATH RATES¹
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2017

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	551	9.3	277	7.2	274	13.6
Autauga	4	6.0	1	2.0	3	19.0
Baldwin	27	11.6	19	9.4	8	26.0
Barbour	1	3.6	1	8.7	0	0.0
Bibb	0	0.0	0	0.0	0	0.0
Blount	3	4.5	3	4.6	0	0.0
Bullock	4	38.1	0	0.0	4	49.4
Butler	1	4.2	0	0.0	1	8.1
Calhoun	18	13.5	12	12.6	6	15.4
Chambers	7	18.6	1	5.1	6	33.7
Cherokee	3	14.0	2	9.7	1	125.0
Chilton	5	8.8	2	3.9	3	50.8
Choctaw	4	30.5	4	55.6	0	0.0
Clarke	4	14.1	0	0.0	4	27.6
Clay	2	14.5	1	8.6	1	45.5
Cleburne	1	5.2	1	5.4	0	0.0
Coffee	4	6.3	3	6.3	1	6.0
Colbert	3	4.8	2	4.0	1	7.9
Conecuh	3	23.3	1	16.4	2	29.4
Coosa	0	0.0	0	0.0	0	0.0
Covington	3	6.7	2	5.4	1	13.7
Crenshaw	0	0.0	0	0.0	0	0.0
Cullman	4	3.9	4	4.0	0	0.0
Dale	2	3.1	2	4.2	0	0.0
Dallas	14	28.3	0	0.0	14	35.0
DeKalb	2	2.5	2	2.6	0	0.0
Elmore	9	9.5	6	8.2	3	13.6
Escambia	4	9.3	2	7.5	2	12.2
Etowah	7	5.8	4	4.3	3	10.5
Fayette	0	0.0	0	0.0	0	0.0
Franklin	1	2.2	1	2.3	0	0.0
Geneva	3	10.3	2	7.9	1	26.3
Greene	1	9.3	0	0.0	1	11.1
Hale	1	5.0	1	14.5	0	0.0
Henry	2	10.4	0	0.0	2	43.5
Houston	8	6.2	5	6.3	3	6.0
Jackson	5	8.6	5	9.3	0	0.0
Jefferson	88	10.1	34	7.6	54	12.7
Lamar	1	6.8	1	7.8	0	0.0
Lauderdale	10	11.6	10	13.6	0	0.0
Lawrence	1	2.6	1	2.9	0	0.0
Lee	17	9.0	9	6.9	8	13.6
Limestone	9	9.0	8	9.4	1	6.6
Lowndes	2	16.9	1	41.7	1	10.6
Macon	3	16.5	1	25.0	2	14.1
Madison	43	10.1	20	7.1	23	16.1
Marengo	1	4.2	1	10.4	0	0.0
Marion	5	17.4	5	18.9	0	0.0
Marshall	13	9.1	10	8.3	3	13.6
Mobile	45	8.0	12	4.0	33	12.6
Monroe	6	27.1	2	18.5	4	35.4
Montgomery	34	10.7	10	10.6	24	10.8
Morgan	8	5.6	6	5.1	2	7.7
Perry	0	0.0	0	0.0	0	0.0
Pickens	5	23.8	1	10.6	4	34.5
Pike	3	8.7	1	5.2	2	13.0
Randolph	5	18.1	3	13.9	2	32.8
Russell	10	12.2	10	24.9	0	0.0
St. Clair	9	8.7	7	7.4	2	20.4
Shelby	12	5.3	5	2.7	7	16.7
Sumter	0	0.0	0	0.0	0	0.0
Talladega	12	14.0	4	7.9	8	22.8
Tallapoosa	10	25.4	5	19.7	5	36.0
Tuscaloosa	23	9.1	11	7.9	12	10.5
Walker	9	11.9	7	10.4	2	23.3
Washington	1	6.5	1	10.2	0	0.0
Wilcox	4	27.4	0	0.0	4	35.4
Winston	2	7.9	2	8.2	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.

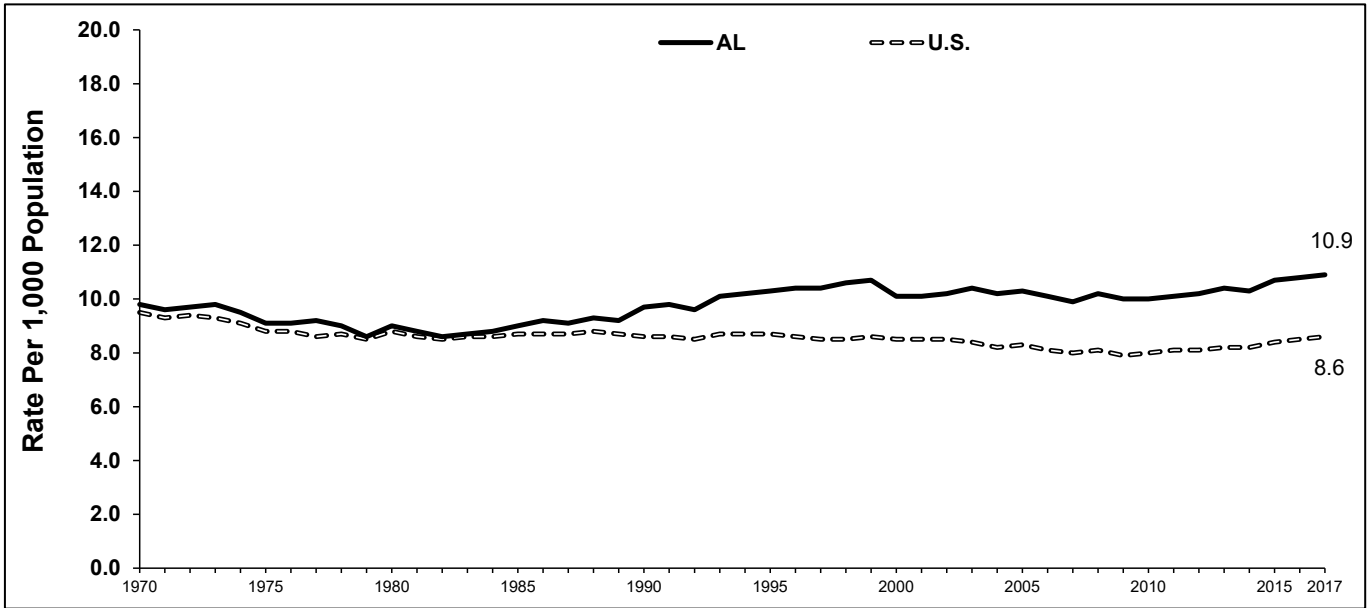
TABLE 31
RESIDENT DEATHS AND DEATH RATES¹ BY RACE
ALABAMA AND UNITED STATES, 1970-2017

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

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, 1970-2017**



**FIGURE 9. DEATH RATES BY RACE
ALABAMA, 1970-2017**

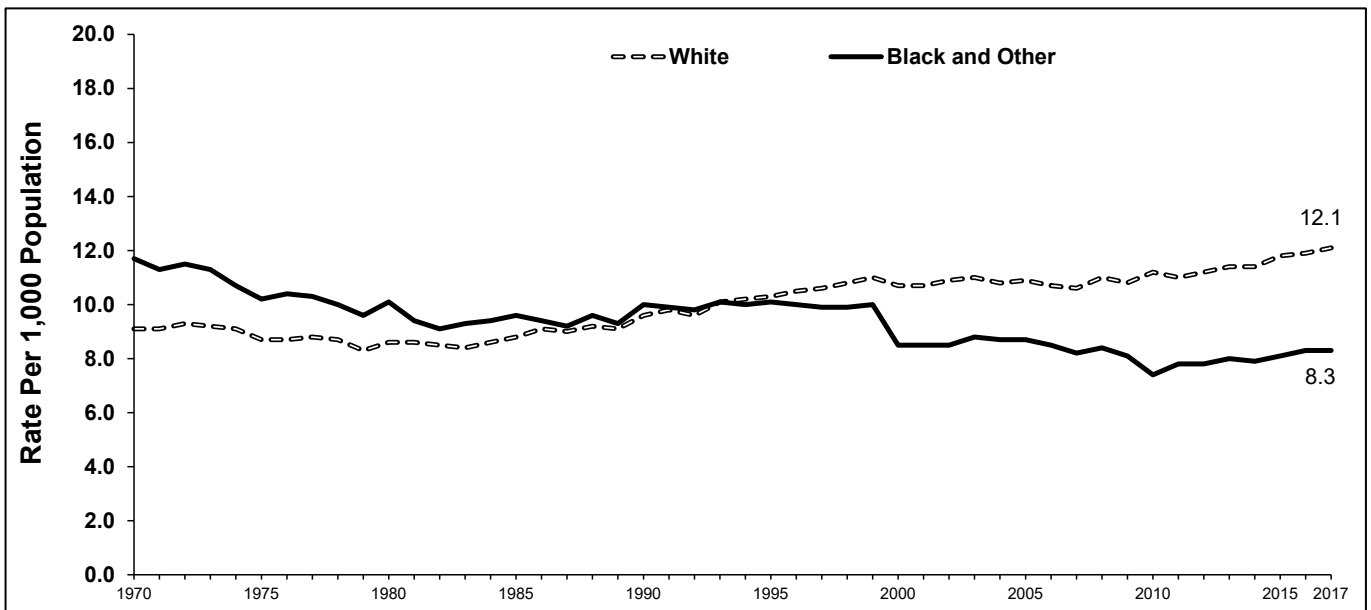


TABLE 32
DEATHS AND DEATH RATES¹ BY COUNTY OF RESIDENCE AND RACE
ALABAMA, 2017

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	53,240	10.9	40,802	12.1	12,438	8.3
Autauga	528	9.5	429	10.1	99	7.7
Baldwin	2,188	10.3	2,005	10.8	183	6.7
Barbour	319	12.6	185	14.9	134	10.5
Bibb	272	12.0	224	12.9	48	9.0
Blount	713	12.3	701	12.6	12	5.0
Bullock	126	12.2	33	12.1	93	12.3
Butler	238	12.0	149	14.3	89	9.5
Calhoun	1,523	13.3	1,276	14.7	247	8.8
Chambers	451	13.4	312	16.2	139	9.6
Cherokee	350	13.5	339	14.1	11	6.2
Chilton	520	11.8	475	12.4	45	7.9
Choctaw	178	13.8	107	14.4	71	12.8
Clarke	282	11.7	167	12.9	115	10.3
Clay	164	12.3	143	12.8	21	9.4
Cleburne	194	13.0	181	12.8	13	17.0
Coffee	526	10.1	443	11.3	83	6.6
Colbert	693	12.7	597	13.6	96	9.1
Conecuh	175	14.0	107	16.8	68	11.2
Coosa	133	12.4	102	14.1	31	8.8
Covington	554	14.9	493	15.7	61	10.7
Crenshaw	184	13.3	145	14.3	39	10.4
Cullman	1,059	12.8	1,052	13.2	7	2.1
Dale	537	10.9	428	11.8	109	8.5
Dallas	521	13.3	206	18.8	315	11.1
DeKalb	812	11.3	793	11.9	19	3.7
Elmore	816	10.0	685	11.1	131	6.6
Escambia	480	12.8	351	15.2	129	9.0
Etowah	1,406	13.7	1,231	14.8	175	8.9
Fayette	237	14.4	207	14.6	30	13.2
Franklin	364	11.6	345	12.0	19	7.2
Geneva	364	13.8	334	14.5	30	8.9
Greene	124	14.9	32	20.6	92	13.6
Hale	209	14.1	99	16.5	110	12.5
Henry	237	13.8	171	14.0	66	13.3
Houston	1,186	11.4	907	12.5	279	8.7
Jackson	713	13.7	689	14.5	24	5.4
Jefferson	7,305	11.1	4,466	12.7	2,839	9.2
Lamar	216	15.5	191	15.7	25	14.0
Lauderdale	1,099	11.9	1,017	12.7	82	6.7
Lawrence	397	12.0	341	13.2	56	7.9
Lee	1,108	6.9	809	7.1	299	6.3
Limestone	848	9.0	755	9.8	93	5.3
Lowndes	133	13.2	44	17.1	89	11.9
Macon	218	11.6	34	11.0	184	11.8
Madison	3,188	8.8	2,557	10.3	631	5.6
Marengo	281	14.5	140	15.4	141	13.7
Marion	418	14.0	409	14.6	9	5.0
Marshall	1,134	11.9	1,100	12.4	34	5.1
Mobile	4,302	10.4	2,886	11.7	1,416	8.4
Monroe	294	13.8	195	16.5	99	10.4
Montgomery	2,158	9.5	1,084	13.1	1,074	7.5
Morgan	1,393	11.7	1,258	12.8	135	6.7
Perry	142	15.2	58	20.0	84	13.0
Pickens	206	10.2	138	11.9	68	8.0
Pike	337	10.1	205	10.7	132	9.3
Randolph	345	15.2	290	16.5	55	10.9
Russell	669	11.7	421	14.7	248	8.8
St. Clair	945	10.7	889	11.5	56	5.3
Shelby	1,473	6.9	1,331	7.5	142	4.0
Sumter	147	11.6	39	12.2	108	11.4
Talladega	1,051	13.1	766	14.8	285	10.0
Tallapoosa	571	14.0	437	15.2	134	11.2
Tuscaloosa	1,735	8.3	1,262	9.4	473	6.5
Walker	1,086	17.0	1,025	17.6	61	10.6
Washington	182	11.0	133	12.2	49	8.7
Wilcox	146	13.6	42	14.2	104	13.4
Winston	337	14.2	337	14.8	0	0.0

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, 2017

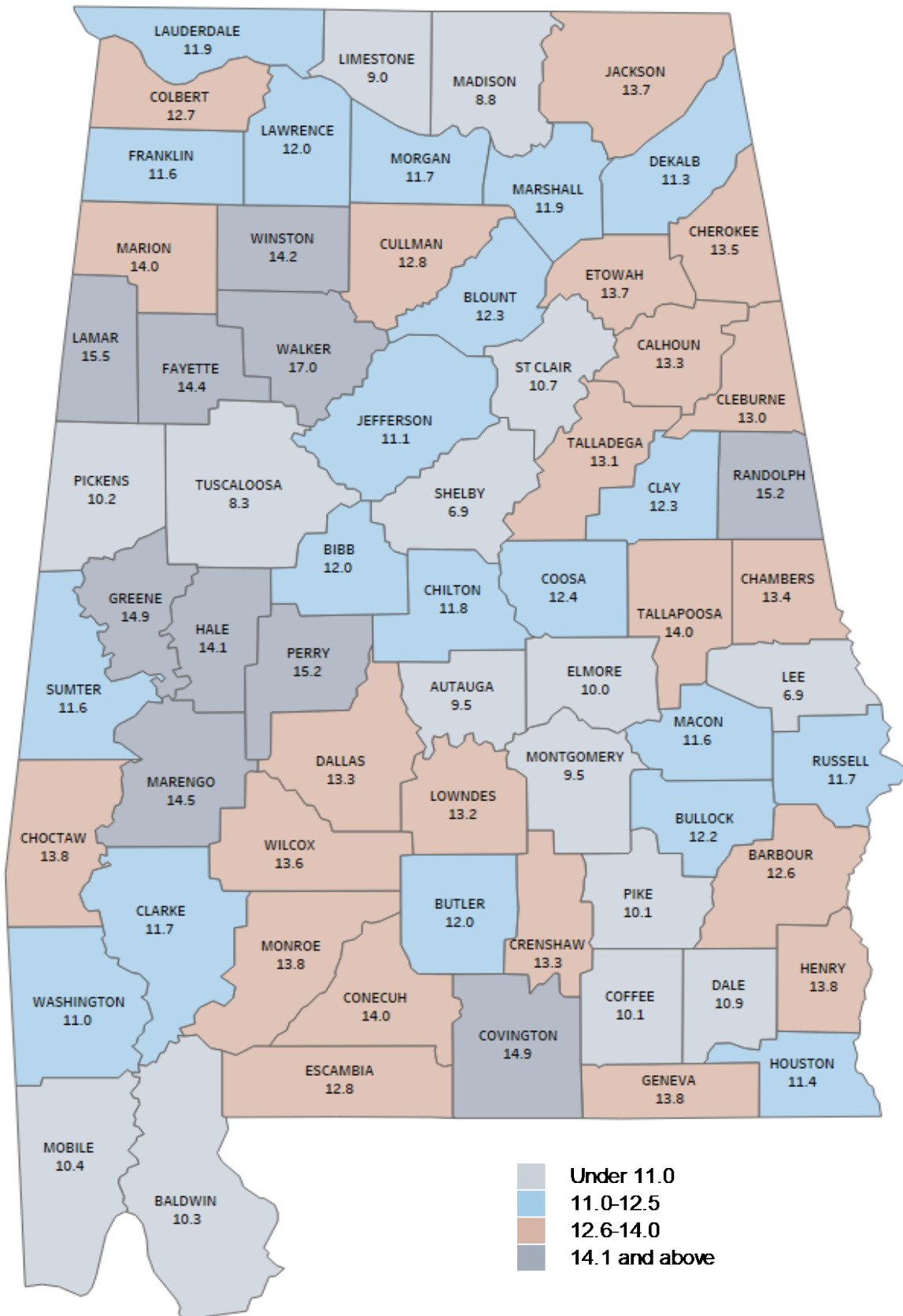


TABLE 33
DEATHS AND DEATH RATES¹ BY COUNTY OF RESIDENCE AND SEX
ALABAMA, 2017

COUNTY	TOTAL		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	53,240	10.9	25,855	11.0	27,385	10.9
Autauga	528	9.5	253	9.4	275	9.7
Baldwin	2,188	10.3	1,010	9.8	1,178	10.8
Barbour	319	12.6	150	11.2	169	14.2
Bibb	272	12.0	120	9.9	152	14.4
Blount	713	12.3	337	11.8	376	12.8
Bullock	126	12.2	58	10.3	68	14.5
Butler	238	12.0	104	11.3	134	12.6
Calhoun	1,523	13.3	768	13.9	755	12.7
Chambers	451	13.4	227	14.1	224	12.7
Cherokee	350	13.5	166	12.9	184	14.1
Chilton	520	11.8	256	11.8	264	11.8
Choctaw	178	13.8	78	12.7	100	14.7
Clarke	282	11.7	121	10.6	161	12.7
Clay	164	12.3	77	11.8	87	12.7
Cleburne	194	13.0	73	9.9	121	16.1
Coffee	526	10.1	259	10.1	267	10.2
Colbert	693	12.7	314	12.0	379	13.4
Conecuh	175	14.0	86	14.4	89	13.7
Coosa	133	12.4	56	10.4	77	14.4
Covington	554	14.9	267	14.9	287	14.9
Crenshaw	184	13.3	90	13.4	94	13.1
Cullman	1,059	12.8	530	13.0	529	12.6
Dale	537	10.9	279	11.5	258	10.3
Dallas	521	13.3	247	13.7	274	13.0
DeKalb	812	11.3	389	10.9	423	11.7
Elmore	816	10.0	392	9.9	424	10.1
Escambia	480	12.8	216	11.3	264	14.5
Etowah	1,406	13.7	703	14.1	703	13.2
Fayette	237	14.4	113	14.0	124	14.8
Franklin	364	11.6	184	11.6	180	11.5
Geneva	364	13.8	179	13.9	185	13.7
Greene	124	14.9	57	14.5	67	15.2
Hale	209	14.1	91	12.9	118	15.2
Henry	237	13.8	126	15.2	111	12.5
Houston	1,186	11.4	565	11.3	621	11.4
Jackson	713	13.7	324	12.7	389	14.7
Jefferson	7,305	11.1	3,584	11.5	3,721	10.7
Lamar	216	15.5	107	15.7	109	15.3
Lauderdale	1,099	11.9	557	12.6	542	11.2
Lawrence	397	12.0	212	13.2	185	10.9
Lee	1,108	6.9	538	6.8	570	7.0
Limestone	848	9.0	421	8.9	427	9.1
Lowndes	133	13.2	61	12.8	72	13.6
Macon	218	11.6	103	12.0	115	11.3
Madison	3,188	8.8	1,528	8.7	1,660	9.0
Marengo	281	14.5	137	15.0	144	14.0
Marion	418	14.0	199	13.5	219	14.5
Marshall	1,134	11.9	564	12.0	570	11.8
Mobile	4,302	10.4	2,038	10.3	2,264	10.5
Monroe	294	13.8	141	13.9	153	13.7
Montgomery	2,158	9.5	1,088	10.2	1,070	8.9
Morgan	1,393	11.7	691	11.8	702	11.6
Perry	142	15.2	59	13.5	83	16.7
Pickens	206	10.2	121	12.1	85	8.4
Pike	337	10.1	161	10.0	176	10.2
Randolph	345	15.2	183	16.6	162	13.9
Russell	669	11.7	333	12.1	336	11.3
St. Clair	945	10.7	445	10.1	500	11.3
Shelby	1,473	6.9	733	7.1	740	6.7
Sumter	147	11.6	71	12.3	76	11.0
Talladega	1,051	13.1	492	12.7	559	13.5
Tallapoosa	571	14.0	289	14.6	282	13.5
Tuscaloosa	1,735	8.3	877	8.8	858	8.0
Walker	1,086	17.0	543	17.4	543	16.6
Washington	182	11.0	91	11.2	91	10.8
Wilcox	146	13.6	65	12.7	81	14.4
Winston	337	14.2	158	13.5	179	14.9

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

TABLE 34
RESIDENT DEATHS AND DEATH RATES¹
BY MONTH OF OCCURRENCE
ALABAMA, 2017

MONTH	TOTAL		WHITE		BLACK AND OTHER	
	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
TOTAL	53,240	10.9	40,802	12.1	12,438	8.3
January	4,861	11.7	3,729	13.0	1,132	8.9
February	4,338	11.6	3,368	13.0	970	8.4
March	4,691	11.3	3,555	12.4	1,136	8.9
April	4,395	11.0	3,400	12.3	995	8.1
May	4,394	10.6	3,311	11.6	1,083	8.5
June	4,158	10.4	3,165	11.4	993	8.1
July	4,225	10.2	3,230	11.3	995	7.8
August	4,225	10.2	3,250	11.3	975	7.7
September	4,314	10.8	3,319	12.0	995	8.1
October	4,337	10.5	3,355	11.7	982	7.7
November	4,403	11.0	3,330	12.0	1,073	8.7
December	4,899	11.8	3,790	13.2	1,109	8.7

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, 2017

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
Salmonella infections (A01-A02)	2	0.0	2	0.1	0	0.0	0	0.0	0	0.0
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)	153	3.1	41	2.5	81	4.7	13	1.8	18	2.3
Tuberculosis (A16-A19)	6	0.1	3	0.2	2	0.1	1	0.1	0	0.0
Respiratory tuberculosis (A16)	5	0.1	3	0.2	1	0.1	1	0.1	0	0.0
Other tuberculosis (A17-A19)	1	0.0	0	0.0	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)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia (A40-A41)	1,036	21.3	353	21.3	372	21.7	139	19.8	172	21.6
Syphilis (A50-A53)	0	0.0	0	0.0	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)	68	1.4	33	2.0	18	1.0	15	2.1	2	0.3
Human immunodeficiency virus (B20-B24)	94	1.9	30	1.8	2	0.1	47	6.7	15	1.9
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)	117	2.4	33	2.0	57	3.3	12	1.7	15	1.9
Malignant neoplasms (C00-C97)	10,415	213.7	4,406	265.9	3,543	206.3	1,318	187.5	1,148	143.9
Lip, oral cavity and pharynx (C00-C14)	178	3.7	108	6.5	33	1.9	27	3.8	10	1.3
Esophagus (C15)	254	5.2	174	10.5	29	1.7	40	5.7	11	1.4
Stomach (C16)	177	3.6	59	3.6	39	2.3	46	6.5	33	4.1
Colon, rectum and anus (C18-C21)	966	19.8	388	23.4	306	17.8	135	19.2	137	17.2
Liver and intrahepatic bile ducts (C22)	428	8.8	217	13.1	101	5.9	82	11.7	28	3.5
Pancreas (C25)	714	14.6	286	17.3	252	14.7	85	12.1	91	11.4
Larynx (C32)	75	1.5	39	2.4	16	0.9	17	2.4	3	0.4
Trachea, bronchus and lung (C33-C34)	2,950	60.5	1,372	82.8	986	57.4	394	56.1	198	24.8
Skin (C43)	135	2.8	93	5.6	37	2.2	1	0.1	4	0.5
Breast (C50)	704	14.4	8	0.5	504	29.3	1	0.1	191	23.9
Cervix uteri (C53)	89	1.8	... ³	... ³	49	2.9	... ³	... ³	40	5.0
Corpus uteri and uterus, part unspecified (C54-C55)	123	2.5	... ³	... ³	71	4.1	... ³	... ³	52	6.5
Ovary (C56)	234	4.8	... ³	... ³	184	10.7	... ³	... ³	50	6.3
Prostate (C61)	465	9.5	293	17.7	... ³	... ³	172	24.5	... ³	... ³
Kidney and renal pelvis (C64-C65)	239	4.9	128	7.7	71	4.1	20	2.8	20	2.5
Bladder (C67)	243	5.0	150	9.1	47	2.7	29	4.1	17	2.1
Meninges, brain and other parts of central nervous system (C70-C72)	272	5.6	132	8.0	102	5.9	20	2.8	18	2.3
Lymphoid, hematopoietic and related tissue (C81-C96)	884	18.1	393	23.7	279	16.2	109	15.5	103	12.9
Hodgkin's disease (C81)	15	0.3	7	0.4	5	0.3	2	0.3	1	0.1
Non-Hodgkin's lymphoma (C82-C85)	302	6.2	144	8.7	95	5.5	36	5.1	27	3.4
Leukemia (C91-C95)	353	7.2	165	10.0	117	6.8	39	5.5	32	4.0
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	211	4.3	76	4.6	61	3.6	31	4.4	43	5.4
Other and unspecified lymphoid, hematopoietic and related tissue (C96)	3	0.1	1	0.1	1	0.1	1	0.1	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)	1,285	26.4	566	34.2	437	25.4	140	19.9	142	17.8
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	229	4.7	115	6.9	79	4.6	21	3.0	14	1.8
Anemias (D50-D64)	91	1.9	25	1.5	26	1.5	19	2.7	21	2.6
Diabetes mellitus (E10-E14)	1,172	24.0	393	23.7	314	18.3	239	34.0	226	28.3

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, 2017

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)	252	5.2	67	4.04	116	6.8	19	2.7	50	6.3
Malnutrition (E40–E46)	249	5.1	65	3.9	116	6.8	19	2.7	49	6.1
Other nutritional deficiencies (E50–E64)	3	0.1	2	0.1	0	0.0	0	0.0	1	0.1
Meningitis (G00,G03)	4	0.1	3	0.2	1	0.1	0	0.0	0	0.0
Parkinson's disease (G20–G21)	555	11.4	295	17.8	213	12.4	30	4.3	17	2.1
Alzheimer's disease (G30)	2,562	52.6	606	36.6	1,530	89.1	101	14.4	325	40.7
Major cardiovascular diseases (I00–I78)	16,973	348.2	6,646	401.1	6,290	366.3	2,134	303.6	1,903	238.6
Diseases of the heart (I00–I09, I11, I13, I20–I51)	13,105	268.8	5,451	329.0	4,720	274.9	1,621	230.6	1,313	164.6
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	43	0.9	14	0.8	18	1.0	2	0.3	9	1.1
Hypertensive heart disease (I11)	692	14.2	236	14.2	257	15.0	118	16.8	81	10.2
Hypertensive heart and renal disease (I13)	145	3.0	45	2.7	57	3.3	14	2.0	29	3.6
Ischemic heart diseases (I20–I25)	4,999	102.5	2,380	143.6	1,566	91.2	611	86.9	442	55.4
Acute myocardial infarction (I21–I22)	1,720	35.3	837	50.5	508	29.6	215	30.6	160	20.1
Other acute ischemic heart diseases (I24)	27	0.6	9	0.5	11	0.6	2	0.3	5	0.6
Other forms of chronic ischemic heart disease (I20, I25)	3,252	66.7	1,534	92.6	1,047	61.0	394	56.1	277	34.7
Atherosclerotic cardiovascular disease, so described (I25.0)	803	16.5	360	21.7	273	15.9	109	15.5	61	7.6
All other forms of chronic ischemic heart disease (I20,I25.1–I25.9)	2,449	50.2	1,174	70.9	774	45.1	285	40.5	216	27.1
Other heart diseases (I26–I51)	7,226	148.2	2,776	167.5	2,822	164.3	876	124.6	752	94.3
Acute and subacute endocarditis (I33)	19	0.4	10	0.6	4	0.2	2	0.3	3	0.4
Diseases of pericardium and acute myocarditis (I30–I31, I40)	14	0.3	6	0.4	2	0.1	3	0.4	3	0.4
Heart failure (I50)	2,482	50.9	930	56.1	1,087	63.3	222	31.6	243	30.5
All other forms of heart disease (I26–I28, I34–I38, I42–I49, I51)	4,711	96.6	1,830	110.4	1,729	100.7	649	92.3	503	63.1
Essential (primary) hypertension and hypertensive renal disease (I10, I12, I15)	531	10.9	147	8.9	149	8.7	125	17.8	110	13.8
Cerebrovascular diseases (I60–I69)	2,932	60.1	898	54.2	1,278	74.4	336	47.8	420	52.7
Atherosclerosis (I70)	122	2.5	38	2.3	36	2.1	20	2.8	28	3.5
Other diseases of circulatory system (I71–I78)	283	5.8	112	6.8	107	6.2	32	4.6	32	4.0
Aortic aneurysm and dissection (I71)	151	3.1	75	4.5	51	3.0	13	1.8	12	1.5
Other diseases of arteries, arterioles and capillaries (I72–I78)	132	2.7	37	2.2	56	3.3	19	2.7	20	2.5
Other disorders of circulatory system (I80–I99)	148	3.0	54	3.3	54	3.1	18	2.6	22	2.8
Influenza and pneumonia (J09–J18)	1,177	24.1	438	26.4	496	28.9	117	16.6	126	15.8
Influenza (J09–J11)	62	1.3	24	1.4	26	1.5	6	0.9	6	0.8
Pneumonia (J12–J18)	1,115	22.9	414	25.0	470	27.4	111	15.8	120	15.0
Other acute lower respiratory infections (J20–J22, U04)	3	0.1	0	0.0	2	0.1	1	0.1	0	0.0
Acute bronchitis and bronchiolitis (J20–J21)	2	0.0	0	0.0	1	0.1	1	0.1	0	0.0
Unspecified acute lower respiratory infection (J22, U04)	1	0.0	0	0.0	1	0.1	0	0.0	0	0.0
Chronic lower respiratory diseases (J40–J47)	3,484	71.5	1,481	89.4	1,606	93.5	220	31.3	177	22.2
Bronchitis, chronic and unspecified (J40–J42)	15	0.3	8	0.5	3	0.2	3	0.4	1	0.1
Emphysema (J43)	74	1.5	36	2.2	27	1.6	9	1.3	2	0.3
Asthma (J45–J46)	74	1.5	15	0.9	25	1.5	14	2.0	20	2.5
Other chronic lower respiratory diseases (J44, J47)	3,321	68.1	1,422	85.8	1,551	90.3	194	27.6	154	19.3
Pneumoconiosis and chemical effects (J60–J66, J68)	17	0.3	15	0.9	1	0.1	0	0.0	1	0.1
Pneumonitis due to solids and liquids (J69)	335	6.9	147	8.9	114	6.6	41	5.8	33	4.1
Other diseases of the respiratory system (J00–J06, J30–J39, J67, J70–J98)	962	19.7	383	23.1	400	23.3	86	12.2	93	11.7
Peptic ulcer (K25–K28)	59	1.2	28	1.7	22	1.3	7	1.0	2	0.3
Diseases of the appendix (K35–K38)	4	0.1	2	0.1	1	0.1	0	0.0	1	0.1
Hernia (K40–K46)	36	0.7	15	0.9	14	0.8	3	0.4	4	0.5
Chronic liver disease and cirrhosis (K70, K73–K74)	756	15.5	388	23.4	235	13.7	85	12.1	48	6.0
Alcoholic liver disease (K70)	246	5.0	149	9.0	47	2.7	34	4.8	16	2.0
Other chronic liver disease and cirrhosis (K73–K74)	510	10.5	239	14.4	188	10.9	51	7.3	32	4.0

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, 2017

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
Cholelithiasis and other gallbladder disorders (K80–K82)	71	1.5	24	1.4	27	1.6	7	1.0	13	1.6
Nephritis, nephrotic syndrome and nephrosis (N00–N07, N17–N19, N25–N27)	981	20.1	338	20.4	314	18.3	167	23.8	162	20.3
Acute and rapidly progressive nephritic and nephrotic syndrome (N00–N01, N04)	6	0.1	2	0.1	1	0.1	2	0.3	1	0.1
Chronic glomerulonephritis nephritis and nephritis not specified as acute and renal sclerosis (N02–N03, N05–N07, N26)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Renal failure (N17–N19)	975	20.0	336	20.3	313	18.2	165	23.5	161	20.2
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)	20	0.4	6	0.4	10	0.6	1	0.1	3	0.4
Hyperplasia of prostate (N40)	1	0.0	0	0.0	0	0.0	1	0.1	0	0.0
Inflammatory diseases of female pelvic organs (N70–N76)	1	0.0	0	0.0	1	0.1	0	0.0	0	0.0
Pregnancy, childbirth and the puerperium (O00–O99)	41	0.8	0	0.0	16	0.9	0	0.0	25	3.1
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)	41	0.8	0	0.0	16	0.9	0	0.0	25	3.1
Certain conditions originating in the perinatal period (P00–P96)	183	3.8	36	2.2	28	1.6	65	9.2	54	6.8
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	166	3.4	50	3.0	57	3.3	28	4.0	31	3.9
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	1,117	22.9	367	22.1	419	24.4	187	26.6	144	18.1
All other diseases (Residual)	5,662	116.1	1,841	111.1	2,527	147.2	570	81.1	724	90.8
Accidents (V01–X59, Y85–Y86)	2,700	55.4	1,335	80.6	774	45.1	424	60.3	167	20.9
Transport accidents (V01–V99, Y85)	1,076	22.1	535	32.3	237	13.8	228	32.4	76	9.5
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)	1,032	21.2	510	30.8	232	13.5	216	30.7	74	9.3
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)	16	0.3	8	0.5	0	0.0	7	1.0	1	0.1
Water, air, space and other and unspecified transport accidents and their sequelae (V90–V99, Y85)	28	0.6	17	1.0	5	0.3	5	0.7	1	0.1
Nontransport accidents (W00–X59, Y86)	1,624	33.3	800	48.3	537	31.3	196	27.9	91	11.4
Falls (W00–W19)	239	4.9	109	6.6	105	6.1	14	2.0	11	1.4
Accidental discharge of firearms (W32–W34)	21	0.4	10	0.6	5	0.3	6	0.9	0	0.0
Accidental drowning and submersion (W65–W74)	69	1.4	39	2.4	12	0.7	12	1.7	6	0.8
Accidental exposure to smoke, fire and flames (X00–X09)	66	1.4	20	1.2	21	1.2	18	2.6	7	0.9
Accidental poisoning and exposure to noxious substances (X40–X49)	786	16.1	423	25.5	234	13.6	93	13.2	36	4.5
Other and unspecified nontransport accidents and their sequelae (W20–W31, W35–W64, W75–W99, X10–X39, X50–X59, Y86)	443	9.1	199	12.0	160	9.3	53	7.5	31	3.9
Intentional self-harm (suicide) (*U03, X60–X84, Y87.0)	834	17.1	617	37.2	133	7.7	69	9.8	15	1.9
Suicide by discharge of firearms (X72–X74)	573	11.8	448	27.0	73	4.3	43	6.1	9	1.1
Suicide by other and unspecified means and their sequelae (*U03, X60–X71, X75–X84, Y87.0)	261	5.4	169	10.2	60	3.5	26	3.7	6	0.8
Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	601	12.3	104	6.3	64	3.7	370	52.6	63	7.9
Homicide by discharge of firearms (*U01.4, X93–X95)	506	10.4	75	4.5	53	3.1	335	47.7	43	5.4
Homicide by other and unspecified means and their sequelae (*U01.0–*U01.3, *U01.5–*U01.9, *U02, X85–X92, X96–Y09, Y87.1)	95	1.9	29	1.8	11	0.6	35	5.0	20	2.5
Legal intervention (Y35, Y89.0)	11	0.2	6	0.4	0	0.0	5	0.7	0	0.0
Events of undetermined intent (Y10–Y34, Y87.2, Y89.9)	69	1.4	26	1.6	31	1.8	8	1.1	4	0.5
Discharge of firearms, undetermined intent (Y22–Y24)	16	0.3	13	0.8	2	0.1	1	0.1	0	0.0
Other and unspecified events of undetermined intent and their sequelae (Y10–Y21, Y25–Y34, Y87.2, Y89.9)	53	1.1	13	0.8	29	1.7	7	1.0	4	0.5
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)	70	1.4	39	2.4	19	1.1	4	0.6	8	1.0

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.

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, 2017

CAUSE OF DEATH		NUMBER	PERCENT	RATE
RANK	TOTAL	53,240	100.0	1,092.2
1	Diseases of heart	13,105	24.6	268.8
2	Malignant neoplasms	10,415	19.6	213.7
3	Chronic lower respiratory diseases	3,484	6.5	71.5
4	Cerebrovascular diseases	2,932	5.5	60.1
5	Accidents (unintentional injuries)	2,700	5.1	55.4
6	Alzheimer's disease	2,562	4.8	52.6
7	Influenza and pneumonia	1,177	2.2	24.1
8	Diabetes mellitus	1,172	2.2	24.0
9	Septicemia	1,036	1.9	21.3
10	Nephritis, nephrotic syndrome and nephrosis	981	1.8	20.1
11	Intentional self-harm (suicide)	834	1.6	17.1
12	Chronic liver disease and cirrhosis	756	1.4	15.5
13	Assault (homicide)	601	1.1	12.3
14	Parkinson's disease	555	1.0	11.4
15	Essential (primary) hypertension and hypertensive renal disease	531	1.0	10.9
	All other causes	10,399	19.5	--
RANK	WHITE	40,802	100.0	1,209.3
1	Diseases of heart	10,171	24.9	301.4
2	Malignant neoplasms	7,949	19.5	235.6
3	Chronic lower respiratory diseases	3,087	7.6	91.5
4	Cerebrovascular diseases	2,176	5.3	64.5
5	Alzheimer's disease	2,136	5.2	63.3
6	Accidents (unintentional injuries)	2,109	5.2	62.5
7	Influenza and pneumonia	934	2.3	27.7
8	Intentional self-harm (suicide)	750	1.8	22.2
9	Septicemia	725	1.8	21.5
10	Diabetes mellitus	707	1.7	21.0
11	Nephritis, nephrotic syndrome and nephrosis	652	1.6	19.3
12	Chronic liver disease and cirrhosis	623	1.5	18.5
13	Parkinson's disease	508	1.2	15.1
14	Essential (primary) hypertension and hypertensive renal disease	296	0.7	8.8
15	Pneumonitis due to solids and liquids	261	0.6	7.7
	All other causes	7,718	18.9	--
RANK	WHITE MALE	20,793	100.0	1,254.9
1	Diseases of heart	5,451	26.2	329.0
2	Malignant neoplasms	4,406	21.2	265.9
3	Chronic lower respiratory diseases	1,481	7.1	89.4
4	Accidents (unintentional injuries)	1,335	6.4	80.6
5	Cerebrovascular diseases	898	4.3	54.2
6	Intentional self-harm (suicide)	617	3.0	37.2
7	Alzheimer's disease	606	2.9	36.6
8	Influenza and pneumonia	438	2.1	26.4
9	Diabetes mellitus	393	1.9	23.7
10	Chronic liver disease and cirrhosis	388	1.9	23.4
11	Septicemia	353	1.7	21.3
12	Nephritis, nephrotic syndrome and nephrosis	338	1.6	20.4
13	Parkinson's disease	295	1.4	17.8
14	Essential (primary) hypertension and hypertensive renal disease	147	0.7	8.9
15	Pneumonitis due to solids and liquids	147	0.7	8.9
	All other causes	3,500	16.8	--
RANK	WHITE FEMALE	20,009	100.0	1,165.2
1	Diseases of heart	4,720	23.6	274.9
2	Malignant neoplasms	3,543	17.7	206.3
3	Chronic lower respiratory diseases	1,606	8.0	93.5
4	Alzheimer's disease	1,530	7.6	89.1
5	Cerebrovascular diseases	1,278	6.4	74.4
6	Accidents (unintentional injuries)	774	3.9	45.1
7	Influenza and pneumonia	496	2.5	28.9
8	Septicemia	372	1.9	21.7
9	Diabetes mellitus	314	1.6	18.3
10	Nephritis, nephrotic syndrome and nephrosis	314	1.6	18.3
11	Chronic liver disease and cirrhosis	235	1.2	13.7
12	Parkinson's disease	213	1.1	12.4
13	Essential (primary) hypertension and hypertensive renal disease	149	0.7	8.7
14	Intentional self-harm (suicide)	133	0.7	7.7
15	Malnutrition	116	0.6	6.8
	All other causes	4,216	21.1	--

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, 2017

CAUSE OF DEATH		NUMBER	PERCENT	RATE
RANK	BLACK AND OTHER	12,438	100.0	828.9
1	Diseases of heart	2,934	23.6	195.5
2	Malignant neoplasms	2,466	19.8	164.3
3	Cerebrovascular diseases	756	6.1	50.4
4	Accidents (unintentional injuries)	591	4.8	39.4
5	Diabetes mellitus	465	3.7	31.0
6	Assault (homicide)	433	3.5	28.9
7	Alzheimer's disease	426	3.4	28.4
8	Chronic lower respiratory diseases	397	3.2	26.5
9	Nephritis, nephrotic syndrome and nephrosis	329	2.6	21.9
10	Septicemia	311	2.5	20.7
11	Influenza and pneumonia	243	2.0	16.2
12	Essential (primary) hypertension and hypertensive renal disease	235	1.9	15.7
13	Chronic liver disease and cirrhosis	133	1.1	8.9
14	Certain conditions originating in the perinatal period	119	1.0	7.9
15	Intentional self-harm (suicide)	84	0.7	5.6
	All other causes	2,516	20.2	--
RANK	BLACK AND OTHER MALE	6,592	100.0	937.8
1	Diseases of heart	1,621	24.6	230.6
2	Malignant neoplasms	1,318	20.0	187.5
3	Accidents (unintentional injuries)	424	6.4	60.3
4	Assault (homicide)	370	5.6	52.6
5	Cerebrovascular diseases	336	5.1	47.8
6	Diabetes mellitus	239	3.6	34.0
7	Chronic lower respiratory diseases	220	3.3	31.3
8	Nephritis, nephrotic syndrome and nephrosis	167	2.5	23.8
9	Septicemia	139	2.1	19.8
10	Essential (primary) hypertension and hypertensive renal disease	125	1.9	17.8
10	Influenza and pneumonia	117	1.8	16.6
12	Alzheimer's disease	101	1.5	14.4
13	Chronic liver disease and cirrhosis	85	1.3	12.1
14	Intentional self-harm (suicide)	69	1.0	9.8
15	Certain conditions originating in the perinatal period	65	1.0	9.2
	All other causes	1,196	18.1	--
RANK	BLACK AND OTHER FEMALE	5,846	100.0	732.9
1	Diseases of heart	1,313	22.5	164.6
2	Malignant neoplasms	1,148	19.6	143.9
3	Cerebrovascular diseases	420	7.2	52.7
4	Alzheimer's disease	325	5.6	40.7
5	Diabetes mellitus	226	3.9	28.3
6	Chronic lower respiratory diseases	177	3.0	22.2
7	Septicemia	172	2.9	21.6
8	Accidents (unintentional injuries)	167	2.9	20.9
9	Nephritis, nephrotic syndrome and nephrosis	162	2.8	20.3
10	Influenza and pneumonia	126	2.2	15.8
11	Essential (primary) hypertension and hypertensive renal disease	110	1.9	13.8
12	Assault (homicide)	63	1.1	7.9
13	Certain conditions originating in the perinatal period	54	0.9	6.8
14	Malnutrition	50	0.9	6.3
15	Chronic liver disease and cirrhosis	48	0.8	6.0
	All other causes	1,285	22.0	--

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

TABLE 37
LEADING CAUSES¹ OF DEATH AND DEATH RATES² BY RACE AND AGE GROUP
ALABAMA, 2017

AGE GROUP AND CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
UNDER 1 YEAR	435	740.9	213	574.3	222	1,026.6
Congenital malformations, deformations and chromosomal abnormalities	92	156.7	53	142.9	39	180.3
Disorders related to short gestation and low birth weight, not elsewhere classified	59	100.5	19	51.2	40	185.0
Sudden infant death syndrome (SIDS)	39	66.4	23	62.0	16	74.0
Newborn affected by complications of placenta, cord and membranes	15	25.5	6	16.2	9	41.6
Accidents (unintentional injuries)	13	22.1	7	18.9	6	27.7
1-4 YEARS	93	39.6	43	29.0	50	57.8
Accidents (unintentional injuries)	31	13.2	17	11.5	14	16.2
Assault (homicide)	11	4.7	1	0.7	10	11.6
Congenital malformations, deformations and chromosomal abnormalities	9	3.8	5	3.4	4	4.6
Malignant neoplasms	7	3.0	5	3.4	2	2.3
5-14 YEARS	116	19.0	66	16.7	50	23.2
Accidents (unintentional injuries)	41	6.7	25	6.3	16	7.4
Malignant neoplasms	17	2.8	7	1.8	10	4.6
Intentional self-harm (suicide)	16	2.6	13	3.3	3	1.4
Assault (homicide)	8	1.3	3	0.8	5	2.3
Congenital malformations, deformations and chromosomal abnormalities	6	1.0	3	0.8	3	1.4
Diseases of heart	4	0.7	1	0.3	3	1.4
15-19 YEARS	217	68.1	123	60.0	94	82.6
Accidents (unintentional injuries)	95	29.8	65	31.7	30	26.4
Assault (homicide)	47	14.7	6	2.9	41	36.0
Intentional self-harm (suicide)	22	6.9	20	9.8	2	1.8
Malignant neoplasms	12	3.8	10	4.9	2	1.8
Diseases of heart	10	3.1	3	1.5	7	6.1
20-24 YEARS	436	132.3	261	125.1	175	144.7
Accidents (unintentional injuries)	174	52.8	138	66.1	36	29.8
Assault (homicide)	98	29.7	14	6.7	84	69.5
Intentional self-harm (suicide)	71	21.5	55	26.4	16	13.2
Diseases of heart	11	3.3	5	2.4	6	5.0
Malignant neoplasms	10	3.0	7	3.4	3	2.5
25-34 YEARS	1,179	184.1	719	170.4	460	210.6
Accidents (unintentional injuries)	445	69.5	332	78.7	113	51.7
Assault (homicide)	166	25.9	29	6.9	137	62.7
Intentional self-harm (suicide)	123	19.2	102	24.2	21	9.6
Diseases of heart	104	16.2	57	13.5	47	21.5
Malignant neoplasms	59	9.2	43	10.2	16	7.3

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 CAUSES¹ OF DEATH AND DEATH RATES² BY RACE AND AGE GROUP
ALABAMA, 2017

AGE GROUP AND CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
35-44 YEARS	1,768	298.8	1,154	286.9	614	323.9
Accidents (unintentional injuries)	411	69.4	314	78.1	97	51.2
Diseases of heart	309	52.2	185	46.0	124	65.4
Malignant neoplasms	184	31.1	122	30.3	62	32.7
Intentional self-harm (suicide)	148	25.0	132	32.8	16	8.4
Assault (homicide)	111	18.8	33	8.2	78	41.2
45-54 YEARS	3,624	569.2	2,546	561.1	1,078	589.5
Diseases of heart	878	137.9	598	131.8	280	153.1
Malignant neoplasms	743	116.7	539	118.8	204	111.6
Accidents (unintentional injuries)	398	62.5	318	70.1	80	43.7
Intentional self-harm (suicide)	145	22.8	136	30.0	9	4.9
Chronic liver disease and cirrhosis	143	22.5	112	24.7	31	17.0
55-64 YEARS	8,095	1,244.3	5,599	1,189.8	2,496	1,387.0
Malignant neoplasms	2,297	353.1	1,598	339.6	699	388.4
Diseases of heart	1,997	307.0	1,353	287.5	644	357.9
Chronic lower respiratory diseases	487	74.9	417	88.6	70	38.9
Accidents (unintentional injuries)	387	59.5	285	60.6	102	56.7
Cerebrovascular diseases	327	50.3	188	39.9	139	77.2
65-74 YEARS	11,209	2,348.3	8,497	2,302.5	2,712	2,504.1
Malignant neoplasms	3,118	653.2	2,393	648.5	725	669.4
Diseases of heart	2,624	549.7	1,945	527.1	679	626.9
Chronic lower respiratory diseases	955	200.1	835	226.3	120	110.8
Cerebrovascular diseases	560	117.3	383	103.8	177	163.4
Diabetes mellitus	326	68.3	196	53.1	130	120.0
75-84 YEARS	13,036	5,471.3	10,682	5,545.1	2,354	5,159.8
Diseases of heart	3,280	1,376.6	2,706	1,404.7	574	1,258.2
Malignant neoplasms	2,660	1,116.4	2,153	1,117.6	507	1,111.3
Chronic lower respiratory diseases	1,147	481.4	1,050	545.1	97	212.6
Cerebrovascular diseases	841	353.0	662	343.6	179	392.4
Alzheimer's disease	813	341.2	675	350.4	138	302.5
85+ YEARS	13,032	14,779.0	10,899	15,395.6	2,133	12,268.5
Diseases of heart	3,876	4,395.6	3,313	4,679.8	563	3,238.2
Alzheimer's disease	1,514	1,717.0	1,266	1,788.3	248	1,426.4
Malignant neoplasms	1,306	1,481.1	1,071	1,512.9	235	1,351.7
Cerebrovascular diseases	1,035	1,173.7	843	1,190.8	192	1,104.3
Chronic lower respiratory diseases	736	834.7	659	930.9	77	442.9

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, 2017

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	53,240	435	93	116	653	1,179	1,768	3,624	8,095	11,209	13,036	13,032
Diseases of heart	13,105	6	6	4	21	104	309	878	1,997	2,624	3,280	3,876
Malignant neoplasms	10,415	2	7	17	22	59	184	743	2,297	3,118	2,660	1,306
Chronic lower respiratory diseases	3,484	0	1	3	2	10	19	124	487	955	1,147	736
Cerebrovascular diseases	2,932	2	0	0	1	15	47	104	327	560	841	1,035
Accidents (unintentional injuries)	2,700	13	31	41	269	445	411	398	387	271	228	206
Alzheimer's disease	2,562	0	0	0	0	0	0	3	22	210	813	1,514
Influenza and pneumonia	1,177	3	2	3	4	12	17	61	134	228	337	376
Diabetes mellitus	1,172	0	0	1	8	26	49	123	238	326	228	173
Nephritis, nephrotic syndrome and nephrosis	1,036	3	0	0	4	15	28	76	183	276	238	213
Septicemia	981	2	0	0	2	3	22	46	132	249	280	245
Intentional self-harm (suicide)	834	0	0	16	93	123	148	145	150	100	42	17
Chronic liver disease and cirrhosis	756	0	0	0	0	16	50	143	259	179	85	24
Parkinson's disease	601	5	11	8	145	166	111	68	48	26	7	6
Assault (homicide)	555	0	0	0	0	0	0	0	15	115	243	182
Essential hypertension and hypertensive renal disease	531	0	0	0	2	3	22	53	96	105	124	126
Pneumonitis due to solids and liquids	335	0	0	0	0	0	4	17	45	63	89	117
In situ, benign, or uncertain neoplasms	229	0	1	1	1	1	4	11	22	65	71	52
Certain conditions originating in the perinatal period	183	183	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	166	92	9	6	4	13	6	7	14	6	6	3
Aortic aneurysm and dissection	151	0	0	0	1	3	6	10	13	33	56	29
Atherosclerosis	122	0	0	0	0	0	2	7	21	30	35	27
Human immunodeficiency virus infection	94	0	0	0	1	12	23	30	20	4	4	0
All other causes	9,119	124	25	16	73	153	306	577	1,188	1,666	2,222	2,769

TABLE 39
ALABAMA HEART DISEASE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES HEART DISEASE DEATH RATES
1970-2017

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

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, 2017

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	13,105	268.8	5,451	329.0	4,720	274.9	1,621	230.6	1,313	164.6
Under 1	6	10.2	1	5.3	2	11.0	2	18.3	1	9.3
1-4	6	2.6	0	0.0	2	2.8	2	4.6	2	4.7
5-9	2	0.7	0	0.0	0	0.0	0	0.0	2	3.8
10-14	2	0.6	0	0.0	1	1.0	1	1.8	0	0.0
15-19	10	3.1	2	1.9	1	1.0	6	10.5	1	1.8
20-24	11	3.3	2	1.9	3	2.9	4	6.7	2	3.3
25-29	32	9.5	15	13.6	5	4.6	10	17.5	2	3.3
30-34	72	23.8	28	27.7	9	8.9	26	55.9	9	16.8
35-39	116	38.4	42	41.4	29	28.6	30	66.2	15	27.8
40-44	193	66.6	72	72.3	42	42.0	48	117.9	31	62.6
45-49	317	101.0	135	120.8	75	67.5	68	165.7	39	78.3
50-54	561	173.8	263	229.2	125	107.7	109	259.6	64	127.9
55-59	833	247.0	397	333.0	174	140.8	172	406.1	90	172.8
60-64	1,164	371.5	547	497.8	235	199.3	248	653.3	134	281.8
65-69	1,263	470.1	574	598.5	311	291.8	241	828.1	137	369.3
70-74	1,361	652.3	642	833.7	418	466.9	173	961.2	128	531.0
75-79	1,471	1,027.5	689	1,347.4	504	781.8	154	1,383.9	124	754.8
80-84	1,809	1,902.2	787	2,454.3	726	1,614.4	146	2,241.0	150	1,298.6
85+	3,876	4,395.6	1,255	5,189.4	2,058	4,415.5	181	3,643.3	382	3,076.2

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
1970-2017

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

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, 2017

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	10,415	213.7	4,406	265.9	3,543	206.3	1,318	187.5	1,148	143.9
Under 1	2	3.4	0	0.0	1	5.5	0	0.0	1	9.3
1-4	7	3.0	4	5.3	1	1.4	1	2.3	1	2.3
5-9	7	2.3	2	2.0	2	2.1	1	1.8	2	3.8
10-14	10	3.2	3	2.9	0	0.0	4	7.4	3	5.6
15-19	12	3.8	5	4.8	5	5.0	1	1.8	1	1.8
20-24	10	3.0	4	3.7	3	2.9	2	3.4	1	1.6
25-29	26	7.7	10	9.1	8	7.3	6	10.5	2	3.3
30-34	33	10.9	10	9.9	15	14.9	3	6.5	5	9.3
35-39	66	21.8	21	20.7	23	22.7	7	15.4	15	27.8
40-44	118	40.7	32	32.2	46	46.0	13	31.9	27	54.5
45-49	247	78.7	80	71.6	105	94.4	21	51.2	41	82.3
50-54	496	153.6	194	169.1	160	137.8	72	171.4	70	139.9
55-59	1,007	298.6	407	341.4	281	227.4	182	429.7	137	263.0
60-64	1,290	411.8	560	509.7	350	296.9	214	563.8	166	349.1
65-69	1,540	573.1	642	669.4	518	486.0	243	835.0	137	369.3
70-74	1,578	756.3	708	919.4	525	586.4	191	1,061.2	154	638.8
75-79	1,448	1,011.5	646	1,263.3	518	803.5	159	1,428.8	125	760.9
80-84	1,212	1,274.4	557	1,737.0	432	960.7	104	1,596.3	119	1,030.2
85+	1,306	1,481.1	521	2,154.3	550	1,180.0	94	1,892.1	141	1,135.4

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, 2017

PRIMARY SITE		TOTAL		MALE		FEMALE	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	C00-C97	10,415	213.7	5,724	242.6	4,691	186.5
Lip, oral cavity and pharynx	C00-C14	178	3.7	135	5.7	43	1.7
Esophagus	C15	254	5.2	214	9.1	40	1.6
Stomach	C16	177	3.6	105	4.4	72	2.9
Colon, rectum and anus	C18-C21	966	19.8	523	22.2	443	17.6
Liver and intrahepatic bile ducts	C22	428	8.8	299	12.7	129	5.1
Pancreas	C25	714	14.6	371	15.7	343	13.6
Larynx	C32	75	1.5	56	2.4	19	0.8
Trachea, bronchus and lung	C33-C34	2,950	60.5	1,766	74.8	1,184	47.1
Skin	C43	135	2.8	94	4.0	41	1.6
Breast	C50	704	14.4	9	0.4	695	27.6
Cervix uteri	C53	89	1.8	... ²	... ²	89	3.5
Corpus uteri and uterus, part unspecified	C54-C55	123	2.5	... ²	... ²	123	4.9
Ovary	C56	234	4.8	... ²	... ²	234	9.3
Prostate	C61	465	9.5	465	19.7	... ²	... ²
Kidney and renal pelvis	C64-C65	239	4.9	148	6.3	91	3.6
Bladder	C67	243	5.0	179	7.6	64	2.5
Meninges, brain and other parts of central nervous system	C70-C72	272	5.6	152	2.7	120	2.0
Lymphoid, hematopoietic and related tissue		884	18.1	502	21.3	382	15.2
Hodgkin's disease	C81	15	0.3	9	0.4	6	0.2
Non-Hodgkin's lymphoma	C82-C85	302	6.2	180	7.6	122	4.9
Leukemia	C91-C95	353	7.2	204	8.6	149	5.9
Multiple myeloma and immunoproliferative neoplasms	C88 or C90	211	4.3	107	2.7	104	2.0
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96	3	0.1	2	0.1	1	0.0
All other and unspecified malignant neoplasms	C00-C97 not listed above	1,285	26.4	706	29.9	579	23.0

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
1970-2017

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

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, 2017

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,932	60.1	898	54.2	1,278	74.4	336	47.8	420	52.7
Under 1	2	3.4	1	5.3	1	5.5	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	1	0.3	0	0.0	0	0.0	0	0.0	1	1.6
25-29	2	0.6	2	1.8	0	0.0	0	0.0	0	0.0
30-34	13	4.3	5	4.9	4	4.0	2	4.3	2	3.7
35-39	13	4.3	3	3.0	5	4.9	3	6.6	2	3.7
40-44	34	11.7	14	14.1	6	6.0	10	24.6	4	8.1
45-49	38	12.1	14	12.5	6	5.4	12	29.2	6	12.0
50-54	66	20.4	27	23.5	12	10.3	18	42.9	9	18.0
55-59	145	43.0	43	36.1	40	32.4	43	101.5	19	36.5
60-64	182	58.1	64	58.2	41	34.8	44	115.9	33	69.4
65-69	245	91.2	91	94.9	63	59.1	48	164.9	43	115.9
70-74	315	151.0	122	158.4	107	119.5	33	183.3	53	219.9
75-79	368	257.1	135	264.0	153	237.3	37	332.5	43	261.7
80-84	473	497.4	135	421.0	239	531.5	34	521.9	65	562.7
85+	1,035	1,173.7	242	1,000.7	601	1,289.5	52	1,046.7	140	1,127.4

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
1980-2017**

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

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, 2017

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	3,484	71.5	1,481	89.4	1,606	93.5	220	31.3	177	22.2
Under 1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1-4	1	0.4	0	0.0	0	0.0	0	0.0	1	2.3
5-9	2	0.7	0	0.0	0	0.0	0	0.0	2	3.8
10-14	1	0.3	0	0.0	0	0.0	1	1.8	0	0.0
15-19	1	0.3	0	0.0	0	0.0	1	1.8	0	0.0
20-24	1	0.3	0	0.0	0	0.0	1	1.7	0	0.0
25-29	4	1.2	0	0.0	2	1.8	0	0.0	2	3.3
30-34	6	2.0	1	1.0	2	2.0	1	2.2	2	3.7
35-39	4	1.3	2	2.0	1	1.0	0	0.0	1	1.9
40-44	15	5.2	2	2.0	8	8.0	4	9.8	1	2.0
45-49	38	12.1	15	13.4	15	13.5	5	12.2	3	6.0
50-54	86	26.6	41	35.7	37	31.9	5	11.9	3	6.0
55-59	189	56.0	77	64.6	83	67.2	18	42.5	11	21.1
60-64	298	95.1	130	118.3	127	107.7	28	73.8	13	27.3
65-69	416	154.8	189	197.1	176	165.1	28	96.2	23	62.0
70-74	539	258.3	228	296.1	242	270.3	42	233.3	27	112.0
75-79	613	428.2	286	559.3	274	425.0	28	251.6	25	152.2
80-84	534	561.5	233	726.6	257	571.5	25	383.7	19	164.5
85+	736	834.7	277	1,145.4	382	819.6	33	664.3	44	354.3

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

TABLE 48
ALABAMA ACCIDENTAL DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES ACCIDENTAL DEATH RATES
1970-2017

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

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, 2017

AGE GROUP	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,700	55.4	2,109	62.5	591	39.4
Under 1	13	22.1	7	18.9	6	27.7
1-4	31	13.2	17	11.5	14	16.2
5-9	14	4.6	7	3.6	7	6.5
10-14	27	8.8	18	9.0	9	8.4
15-19	95	29.8	65	31.7	30	26.4
20-24	174	52.8	138	66.1	36	29.8
25-29	222	65.7	163	74.2	59	49.8
30-34	223	73.8	169	83.6	54	54.0
35-39	221	73.2	161	79.4	60	60.4
40-44	190	65.6	153	76.7	37	41.0
45-49	209	66.6	167	74.9	42	46.2
50-54	189	58.5	151	65.4	38	41.3
55-59	207	61.4	149	61.4	58	61.4
60-64	180	57.5	136	59.7	44	51.5
65-69	133	49.5	102	50.4	31	46.8
70-74	138	66.1	117	70.3	21	49.9
75-79	110	76.8	95	82.2	15	54.4
80-84	118	124.1	110	142.8	8	44.3
85+	206	233.6	184	259.9	22	126.5

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, 2017

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,700	55.4	1,335	80.6	774	45.1	424	60.3	167	20.9
Under 1	13	22.1	4	21.1	3	16.6	5	45.8	1	9.3
1-4	31	13.2	11	14.5	6	8.3	10	22.9	4	9.3
5-9	14	4.6	2	2.0	5	5.3	3	5.5	4	7.5
10-14	27	8.8	12	11.6	6	6.1	6	11.1	3	5.6
15-19	95	29.8	46	43.9	19	19.0	24	42.2	6	10.5
20-24	174	52.8	101	94.5	37	36.3	27	45.4	9	14.7
25-29	222	65.7	113	102.3	50	45.7	46	80.3	13	21.3
30-34	223	73.8	121	119.7	48	47.5	41	88.2	13	24.3
35-39	221	73.2	110	108.3	51	50.4	46	101.5	14	25.9
40-44	190	65.6	95	95.5	58	58.1	31	76.1	6	12.1
45-49	209	66.6	112	100.3	55	49.5	27	65.8	15	30.1
50-54	189	58.5	99	86.3	52	44.8	27	64.3	11	22.0
55-59	207	61.4	98	82.2	51	41.3	43	101.5	15	28.8
60-64	180	57.5	88	80.1	48	40.7	32	84.3	12	25.2
65-69	133	49.5	62	64.6	40	37.5	21	72.2	10	27.0
70-74	138	66.1	80	103.9	37	41.3	14	77.8	7	29.0
75-79	110	76.8	58	113.4	37	57.4	8	71.9	7	42.6
80-84	118	124.1	55	171.5	55	122.3	4	61.4	4	34.6
85+	206	233.6	68	281.2	116	248.9	9	181.2	13	104.7

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, 2017

TYPE OF ACCIDENT (ICD 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	2,700	13	31	41	269	445	411	398	387	271	228	206
Occupant of railway train (V81.0-V-81.8)	0	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle ¹	1,032	1	14	23	176	185	158	140	146	103	60	26
Drowning (W65-W74)	69	0	9	2	5	9	8	8	13	8	7	0
Air and space transport (V95-V97)	5	0	0	0	0	1	0	0	1	2	1	0
Poisoning (X40-X49)	786	0	1	1	63	210	203	181	101	22	2	2
Falls (W00-W19)	239	1	1	0	1	3	7	15	31	45	59	76
Smoke, fire and flames (X00-X09)	66	0	2	4	1	2	4	5	20	17	5	6
Contact with venomous life forms (X20-X29)	3	0	0	0	0	0	0	1	1	1	0	0
Excessive natural heat (X30)	10	0	1	0	0	2	1	0	5	1	0	0
Excessive natural cold (X31)	11	0	0	0	0	0	0	1	3	2	1	4
Lightning (X33)	3	0	0	0	2	1	0	0	0	0	0	0
Cataclysmic storms and floods (X37-X38)	5	0	0	0	0	1	0	3	0	1	0	0
Suffocation (W75-W84)	134	10	1	4	4	7	6	11	22	24	25	20
Struck by falling objects, etc. (W20)	12	0	0	0	0	1	3	3	5	0	0	0
Firearms (W32-W34)	21	0	0	1	7	1	3	4	3	0	2	0
Electrocution (W85-W87)	7	0	0	0	0	4	2	0	0	1	0	0
All other accidents and late effects	297	1	2	6	10	18	16	26	36	44	66	72

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
1980-2017

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

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, 2017

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	1,172	24.0	393	23.7	314	18.3	239	34.0	226	28.3
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	1	1.0	0	0.0	0	0.0	0	0.0
15-19	2	0.6	0	0.0	0	0.0	2	3.5	0	0.0
20-24	6	1.8	1	0.9	2	2.0	1	1.7	2	3.3
25-29	12	3.5	3	2.7	1	0.9	2	3.5	6	9.8
30-34	14	4.6	3	3.0	4	4.0	4	8.6	3	5.6
35-39	17	5.6	5	4.9	5	4.9	5	11.0	2	3.7
40-44	32	11.0	5	5.0	9	9.0	9	22.1	9	18.2
45-49	45	14.3	13	11.6	7	6.3	12	29.2	13	26.1
50-54	78	24.2	36	31.4	12	10.3	19	45.2	11	22.0
55-59	122	36.2	39	32.7	29	23.5	30	70.8	24	46.1
60-64	116	37.0	39	35.5	28	23.7	28	73.8	21	44.2
65-69	168	62.5	59	61.5	39	36.6	37	127.1	33	89.0
70-74	158	75.7	58	75.3	40	44.7	34	188.9	26	107.9
75-79	130	90.8	44	86.0	43	66.7	19	170.7	24	146.1
80-84	98	103.0	39	121.6	23	51.1	14	214.9	22	190.5
85+	173	196.2	48	198.5	72	154.5	23	463.0	30	241.6

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

TABLE 54
ALABAMA ALZHEIMER'S DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES ALZHEIMER'S DEATH RATES
ALABAMA, 1980-2017

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

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, 2017

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,562	52.6	606	36.6	1,530	89.1	101	14.4	325	40.7
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	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
50-54	3	0.9	0	0.0	3	2.6	0	0.0	0	0.0
55-59	9	2.7	3	2.5	4	3.2	1	2.4	1	1.9
60-64	13	4.1	5	4.6	3	2.5	1	2.6	4	8.4
65-69	58	21.6	22	22.9	26	24.4	4	13.7	6	16.2
70-74	152	72.9	57	74.0	72	80.4	6	33.3	17	70.5
75-79	275	192.1	73	142.8	162	251.3	15	134.8	25	152.2
80-84	538	565.7	141	439.7	299	664.9	29	445.1	69	597.4
85+	1,514	1,717.0	305	1,261.2	961	2,061.8	45	905.8	203	1,634.7

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

TABLE 56
ALABAMA SUICIDE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES SUICIDE DEATH RATES
1970-2017

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

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, 2017

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	834	17.1	617	37.2	133	7.7	69	9.8	15	1.9
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	16	5.2	8	7.7	5	5.1	3	5.5	0	0.0
15-19	22	6.9	17	16.2	3	3.0	2	3.5	0	0.0
20-24	71	21.5	48	44.9	7	6.9	12	20.2	4	6.5
25-29	60	17.7	42	38.0	4	3.7	11	19.2	3	4.9
30-34	63	20.9	44	43.5	12	11.9	7	15.1	0	0.0
35-39	72	23.8	53	52.2	8	7.9	6	13.2	5	9.3
40-44	76	26.2	52	52.2	19	19.0	3	7.4	2	4.0
45-49	74	23.6	58	51.9	13	11.7	3	7.3	0	0.0
50-54	71	22.0	52	45.3	13	11.2	6	14.3	0	0.0
55-59	83	24.6	58	48.6	20	16.2	5	11.8	0	0.0
60-64	67	21.4	48	43.7	14	11.9	5	13.2	0	0.0
65-69	48	17.9	36	37.5	9	8.4	3	10.3	0	0.0
70-74	52	24.9	45	58.4	4	4.5	2	11.1	1	4.1
75-79	30	21.0	29	56.7	1	1.6	0	0.0	0	0.0
80-84	12	12.6	11	34.3	0	0.0	1	15.3	0	0.0
85+	17	19.3	16	66.2	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
1970-2017

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

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, 2017

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	601	12.3	104	6.3	64	3.7	370	52.6	63	7.9
Under 1	5	8.5	2	10.5	1	5.5	2	18.3	0	0.0
1-4	11	4.7	1	1.3	0	0.0	4	9.2	6	14.0
5-9	2	0.7	0	0.0	1	1.1	1	1.8	0	0.0
10-14	6	1.9	0	0.0	2	2.0	2	3.7	2	3.7
15-19	47	14.7	5	4.8	1	1.0	36	63.3	5	8.8
20-24	98	29.7	8	7.5	6	5.9	74	124.4	10	16.3
25-29	90	26.6	11	10.0	0	0.0	72	125.6	7	11.5
30-34	76	25.2	12	11.9	6	5.9	50	107.6	8	14.9
35-39	63	20.9	9	8.9	7	6.9	40	88.3	7	13.0
40-44	48	16.6	12	12.1	5	5.0	28	68.8	3	6.1
45-49	41	13.1	12	10.7	4	3.6	23	56.1	2	4.0
50-54	27	8.4	7	6.1	7	6.0	11	26.2	2	4.0
55-59	33	9.8	5	4.2	6	4.9	15	35.4	7	13.4
60-64	15	4.8	7	6.4	2	1.7	6	15.8	0	0.0
65-69	14	5.2	4	4.2	6	5.6	3	10.3	1	2.7
70-74	12	5.8	4	5.2	6	6.7	1	5.6	1	4.1
75-79	5	3.5	1	2.0	3	4.7	1	9.0	0	0.0
80-84	2	2.1	2	6.2	0	0.0	0	0.0	0	0.0
85+	6	6.8	2	8.3	1	2.1	1	20.1	2	16.1

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, 1970-2017

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	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

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 1990-2017 are by race of mother.

³ U.S. race-specific rates are not comparable to Alabama race-specific rates for 2015-2017 due to a different tabulation method.

TABLE 61
NEONATAL DEATHS AND NEONATAL MORTALITY RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2017

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	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	3.9	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	3.8	123	3.2	-- ³	134	6.6	-- 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 1990-2017 are by race of mother.

³ U.S. race-specific rates are not comparable to the Alabama race-specific rates for 2015-2017 due to a different tabulation method.

TABLE 62
POSTNEONATAL DEATHS AND POSTNEONATAL MORTALITY RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2017

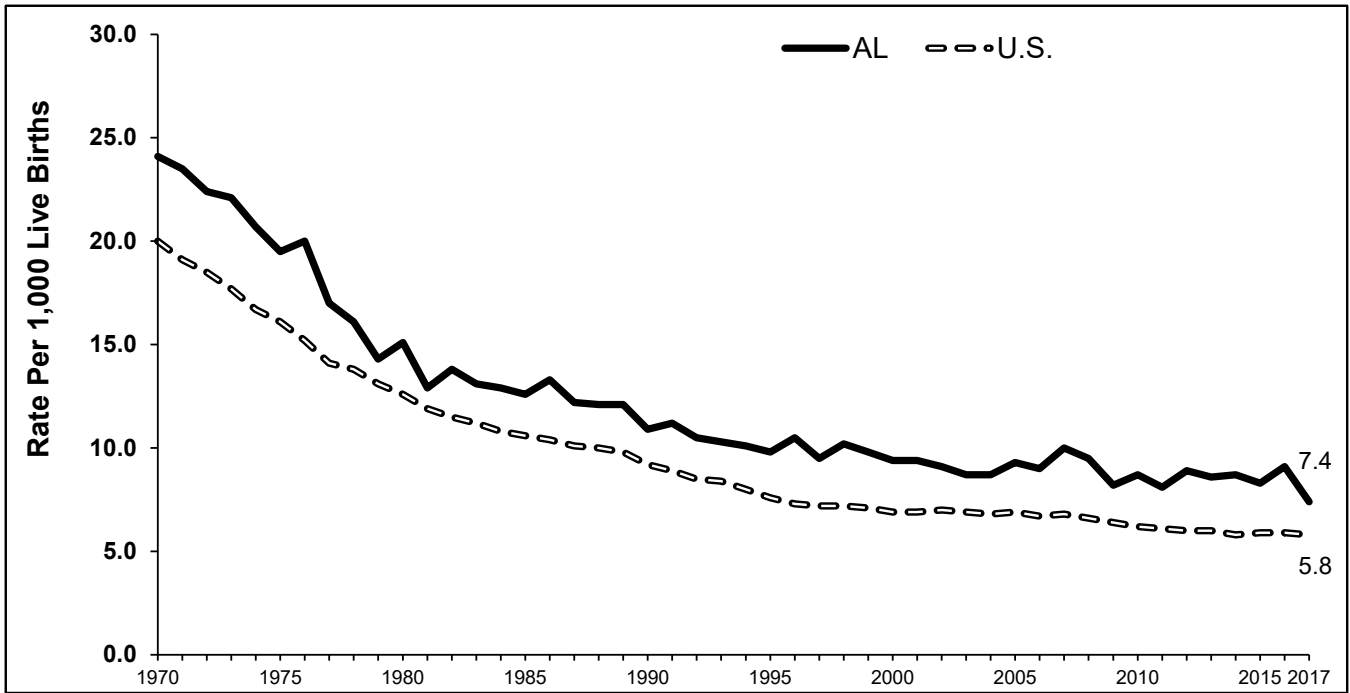
YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S.	ALABAMA		U.S.	ALABAMA		U.S.
	NUMBER	RATE	RATE	NUMBER	RATE	RATE	NUMBER	RATE	RATE
1970	457	6.8	4.9	171	3.8	4.0	286	12.9	9.5
1971	453	6.8	4.9	186	4.2	4.1	267	11.8	8.9
1972	427	6.9	4.9	175	4.4	4.0	252	11.6	8.5
1973	423	7.1	4.7	178	4.6	4.0	245	11.9	8.3
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	2.1	90	2.3	-- ³	88	4.4	-- 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 1990-2017 are by race of mother.

³ U.S. race-specific rates are not comparable to the Alabama race-specific rates for 2015-2017 due to a different tabulation method.

**FIGURE 11. INFANT MORTALITY RATES
ALABAMA AND UNITED STATES, 1970-2017**



**FIGURE 12. NEONATAL AND POSNEONATAL MORTALITY RATES
ALABAMA, 1970-2017**

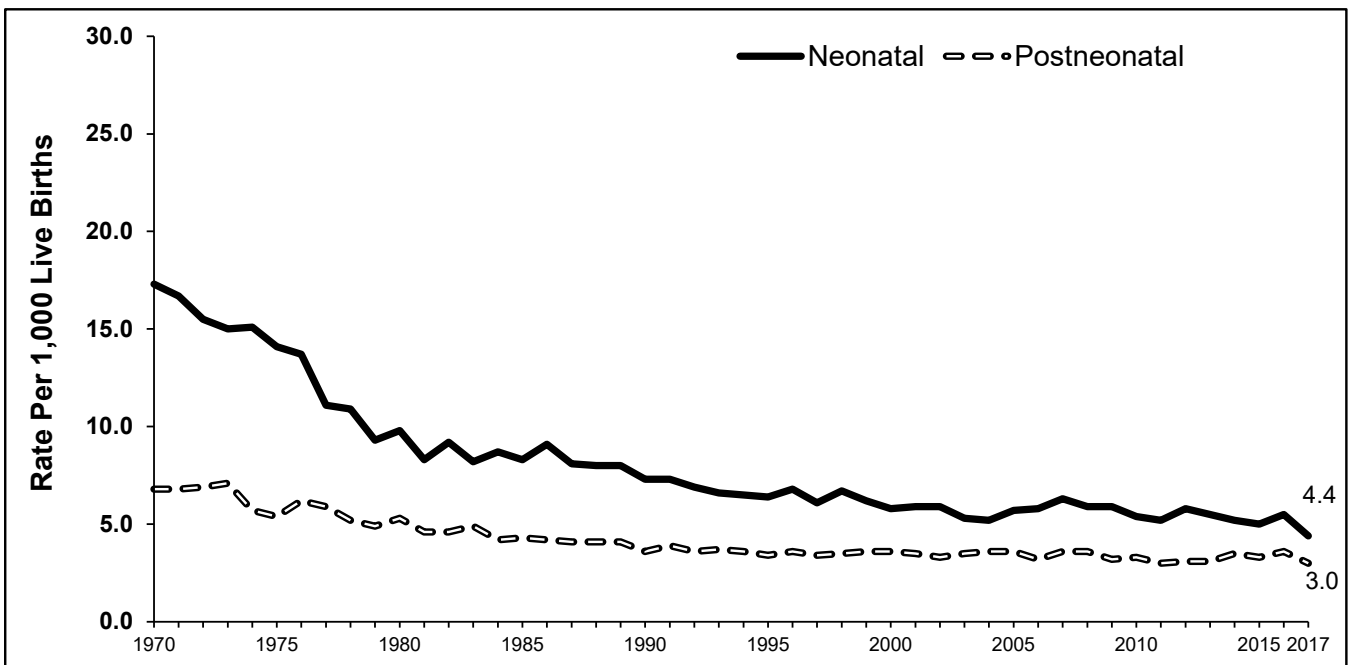


TABLE 63
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY COUNTY OF RESIDENCE AND RACE²
ALABAMA, 2017

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	435	7.4	213	5.5	222	11.0
Autauga	4	6.0	3	5.9	1	6.3
Baldwin	15	6.5	12	6.0	3	9.7
Barbour	1	3.6	0	0.0	1	6.2
Bibb	3	12.1	3	14.6	0	0.0
Blount	9	13.6	9	13.8	0	0.0
Bullock	1	9.5	0	0.0	1	12.3
Butler	2	8.4	1	8.7	1	8.1
Calhoun	5	3.7	4	4.2	1	2.6
Chambers	5	13.3	1	5.1	4	22.5
Cherokee	2	9.3	2	9.7	0	0.0
Chilton	4	7.1	3	5.9	1	16.9
Choctaw	0	0.0	0	0.0	0	0.0
Clarke	3	10.6	0	0.0	3	20.7
Clay	0	0.0	0	0.0	0	0.0
Cleburne	1	5.2	1	5.4	0	0.0
Coffee	4	6.3	3	6.3	1	6.0
Colbert	3	4.8	1	2.0	2	15.7
Conecuh	0	0.0	0	0.0	0	0.0
Coosa	2	19.8	2	30.3	0	0.0
Covington	5	11.2	5	13.4	0	0.0
Crenshaw	0	0.0	0	0.0	0	0.0
Cullman	7	6.9	7	7.0	0	0.0
Dale	6	9.3	2	4.2	4	24.4
Dallas	3	6.1	0	0.0	3	7.5
DeKalb	6	7.4	6	7.7	0	0.0
Elmore	3	3.2	2	2.7	1	4.5
Escambia	5	11.6	2	7.5	3	18.3
Etowah	7	5.8	4	4.3	3	10.5
Fayette	1	5.5	0	0.0	1	55.6
Franklin	1	2.2	1	2.3	0	0.0
Geneva	1	3.4	0	0.0	1	26.3
Greene	0	0.0	0	0.0	0	0.0
Hale	4	19.8	1	14.5	3	22.6
Henry	1	5.2	0	0.0	1	21.7
Houston	18	13.9	5	6.3	13	26.1
Jackson	2	3.4	2	3.7	0	0.0
Jefferson	91	10.5	28	6.3	63	14.9
Lamar	2	13.6	2	15.5	0	0.0
Lauderdale	3	3.5	3	4.1	0	0.0
Lawrence	3	7.9	2	5.8	1	27.0
Lee	16	8.4	8	6.1	8	13.6
Limestone	5	5.0	3	3.5	2	13.2
Lowndes	0	0.0	0	0.0	0	0.0
Macon	1	5.5	0	0.0	1	7.0
Madison	20	4.7	10	3.5	10	7.0
Marengo	3	12.7	0	0.0	3	21.4
Marion	1	3.5	1	3.8	0	0.0
Marshall	5	3.5	3	2.5	2	9.1
Mobile	38	6.8	15	5.0	23	8.8
Monroe	2	9.0	0	0.0	2	17.7
Montgomery	19	6.0	3	3.2	16	7.2
Morgan	6	4.2	3	2.6	3	11.5
Perry	0	0.0	0	0.0	0	0.0
Pickens	2	9.5	0	0.0	2	17.2
Pike	1	2.9	1	5.2	0	0.0
Randolph	3	10.8	2	9.3	1	16.4
Russell	11	13.4	4	10.0	7	16.8
St. Clair	9	8.7	8	8.5	1	10.2
Shelby	17	7.4	11	5.9	6	14.3
Sumter	0	0.0	0	0.0	0	0.0
Talladega	7	8.2	4	7.9	3	8.5
Tallapoosa	2	5.1	1	3.9	1	7.2
Tuscaloosa	24	9.5	9	6.5	15	13.1
Walker	7	9.3	7	10.4	0	0.0
Washington	1	6.5	1	10.2	0	0.0
Wilcox	0	0.0	0	0.0	0	0.0
Winston	2	7.9	2	8.2	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, 2017

AGE AT DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	435	7.4	213	5.5	222	11.0
Under 1 day	142	2.4	61	1.6	81	4.0
1 day - 6 days	49	0.8	24	0.6	25	1.2
7 days - 27 days	66	1.1	38	1.0	28	1.4
28 days - 364 days	178	3.0	90	2.3	88	4.4

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

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

TABLE 65
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY LIVE BIRTH ORDER
ALABAMA, 2017

LIVE BIRTH ORDER	LIVE BIRTHS	INFANT DEATHS	RATE
TOTAL	58,936	435	7.4
First	19,224	171	8.9
Second	17,167	125	7.3
Third	11,142	78	7.0
Fourth	5,936	34	5.7
Fifth	2,783	15	5.4
Sixth	1,322	7	5.3
Seventh and above	1,358	5	3.7
Not stated	4	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, 2017

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	435	7.4	213	5.5	222	11.0
Certain infectious and parasitic diseases	11	18.7	3	7.7	8	39.6
Septicemia	3	5.1	1	2.6	2	9.9
Viral diseases	2	3.4	0	0.0	2	9.9
Other and unspecified infectious and parasitic diseases	6	10.2	2	5.2	4	19.8
Neoplasms	2	3.4	1	2.6	1	4.9
Malignant neoplasms	2	3.4	1	2.6	1	4.9
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	2	3.4	2	5.2	0	0.0
Endocrine, nutritional and metabolic diseases	1	1.7	1	2.6	0	0.0
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	0	0.0	0	0.0	0	0.0
Other endocrine, nutritional and metabolic diseases	1	1.7	1	2.6	0	0.0
Diseases of the nervous system	1	1.7	1	2.6	0	0.0
Meningitis	0	0.0	0	0.0	0	0.0
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	1	1.7	1	2.6	0	0.0
Diseases of the ear and mastoid process	0	0.0	0	0.0	0	0.0
Diseases of the circulatory system	9	15.3	6	15.5	3	14.8
Pulmonary heart disease and diseases of pulmonary circulation	1	1.7	1	2.6	0	0.0
Cardiomyopathy	1	1.7	0	0.0	1	4.9
Cardiac arrest	2	3.4	1	2.6	1	4.9
Cerebrovascular diseases	2	3.4	2	5.2	0	0.0
Other diseases of the circulatory system	3	5.1	2	5.2	1	4.9
Diseases of the respiratory system	6	10.2	4	10.3	2	9.9
Acute upper respiratory infections	0	0.0	0	0.0	0	0.0
Influenza and pneumonia	3	5.1	2	5.2	1	4.9
Acute bronchitis and acute bronchiolitis	0	0.0	0	0.0	0	0.0
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	0	0.0	0	0.0	0	0.0
Other and unspecified diseases of the respiratory system	3	5.1	2	5.2	1	4.9
Diseases of the digestive system	3	5.1	3	7.7	0	0.0
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	2	3.4	2	5.2	0	0.0
Other and unspecified diseases of the digestive system	1	1.7	1	2.6	0	0.0
Diseases of the genitourinary system	2	3.4	2	5.2	0	0.0
Renal failure and other disorders of the kidney	1	1.7	1	2.6	0	0.0
Other and unspecified diseases of the genitourinary system	1	1.7	1	2.6	0	0.0

¹ Rate is per 1,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the 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, 2017

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	435	7.4	213	5.5	222	11.0
Certain conditions originating in the perinatal period	183	310.5	64	165.3	119	588.9
Newborn affected by maternal factors and complications of pregnancy, labor and delivery	29	49.2	10	25.8	19	94.0
Newborn affected by maternal hypertensive disorders	0	0.0	0	0.0	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	13	22.1	4	10.3	9	44.5
Newborn affected by incompetent cervix	3	5.1	1	2.6	2	9.9
Newborn affected by premature rupture of membranes	10	17.0	3	7.7	7	34.6
Newborn affected by multiple pregnancy	0	0.0	0	0.0	0	0.0
Newborn affected by other maternal complications of pregnancy	0	0.0	0	0.0	0	0.0
Newborn affected by complications of placenta, cord and membranes	15	25.5	6	15.5	9	44.5
Newborn affected by complications involving placenta	8	13.6	5	12.9	3	14.8
Newborn affected by complications involving cord	0	0.0	0	0.0	0	0.0
Newborn affected by chorioamnionitis	7	11.9	1	2.6	6	29.7
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	4.9
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	60	101.8	19	49.1	41	202.9
Slow growth and fetal malnutrition	1	1.7	0	0.0	1	4.9
Disorders related to short gestation and low birth weight, not elsewhere classified	59	100.1	19	49.1	40	197.9
Extremely low birth weight or extreme immaturity	52	88.2	16	41.3	36	178.1
Other low birth weight or preterm	7	11.9	3	7.7	4	19.8
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	5	8.5	1	2.6	4	19.8
Intrauterine hypoxia	4	6.8	1	2.6	3	14.8
Birth asphyxia	1	1.7	0	0.0	1	4.9
Respiratory distress of newborn	12	20.4	3	7.7	9	44.5
Other respiratory conditions originating in the perinatal period	18	30.5	5	12.9	13	64.3
Congenital pneumonia	2	3.4	1	2.6	1	4.9
Neonatal aspiration syndromes	0	0.0	0	0.0	0	0.0
Interstitial emphysema and related conditions originating in the perinatal period	2	3.4	0	0.0	2	9.9
Pulmonary hemorrhage originating in the perinatal period	4	6.8	0	0.0	4	19.8
Chronic respiratory disease originating in the perinatal period	5	8.5	2	5.2	3	14.8
Atelectasis	3	5.1	0	0.0	3	14.8
Other respiratory conditions originating in the perinatal period	2	3.4	2	5.2	0	0.0
Infections specific to the perinatal period	17	28.8	7	18.1	10	49.5
Bacterial sepsis of newborn	13	22.1	6	15.5	7	34.6
Other infections specific to the perinatal period	4	6.8	1	2.6	3	14.8
Hemorrhagic and hematological disorders of newborn	8	13.6	5	12.9	3	14.8
Neonatal hemorrhage	7	11.9	5	12.9	2	9.9
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	1	1.7	0	0.0	1	4.9

¹ Rate is per 1,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the 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, 2017

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	435	7.4	213	5.5	222	11.0
Neonatal diabetes mellitus and syndrome of infant of diabetic mother	0	0.0	0	0.0	0	0.0
Necrotizing enterocolitis of newborn	9	15.3	3	7.7	6	29.7
Hydrops fetalis not due to hemolytic disease	4	6.8	2	5.2	2	9.9
Other perinatal conditions	21	35.6	9	23.2	12	59.4
Congenital malformations, deformations and chromosomal abnormalities	92	156.1	53	136.9	39	193.0
Anencephaly and similar malformations	10	17.0	10	25.8	0	0.0
Congenital hydrocephalus	1	1.7	1	2.6	0	0.0
Spina bifida	0	0.0	0	0.0	0	0.0
Other congenital malformations of the nervous system	6	10.2	1	2.6	5	24.7
Congenital malformations of the heart	14	23.8	8	20.7	6	29.7
Other congenital malformations of the circulatory system	2	3.4	0	0.0	2	9.9
Congenital malformations of the respiratory system	8	13.6	6	15.5	2	9.9
Congenital malformations of the digestive system	2	3.4	1	2.6	1	4.9
Congenital malformations of the genitourinary system	8	13.6	5	12.9	3	14.8
Congenital malformations and deformations of musculoskeletal system, limbs and integument	11	18.7	7	18.1	4	19.8
Down's syndrome	1	1.7	0	0.0	1	4.9
Edward's syndrome	6	10.2	3	7.7	3	14.8
Patau's syndrome	3	5.1	2	5.2	1	4.9
Other congenital malformations and deformations	13	22.1	4	10.3	9	44.5
Other chromosomal abnormalities, not elsewhere classified	7	11.9	5	12.9	2	9.9
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	105	178.2	63	162.7	42	207.8
Sudden infant death syndrome	39	66.2	23	59.4	16	79.2
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	66	112.0	40	103.3	26	128.7
All other diseases (residual of A00-R99)	0	0.0	0	0.0	0	0.0
External causes of mortality	18	30.5	10	25.8	8	39.6
Accidents	13	22.1	7	18.1	6	29.7
Motor vehicle accidents	1	1.7	0	0.0	1	4.9
Falls	1	1.7	1	2.6	0	0.0
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	8	13.6	4	10.3	4	19.8
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	2	3.4	1	2.6	1	4.9
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	1	1.7	1	2.6	0	0.0
Homicide (assault)	5	8.5	3	7.7	2	9.9
Homicide by hanging, strangulation and suffocation	0	0.0	0	0.0	0	0.0
Homicide by discharge of firearms	0	0.0	0	0.0	0	0.0
Neglect, abandonment and other maltreatment syndromes	2	3.4	1	2.6	1	4.9
Homicide by other and unspecified means	3	5.1	2	5.2	1	4.9
Complications of medical and surgical care	0	0.0	0	0.0	0	0.0
Other external causes	0	0.0	0	0.0	0	0.0

¹ Rate is per 1,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the 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, 2017

AGE GROUP OF MOTHER	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	435	7.4	213	5.5	222	11.0
Under 15	1	22.7	0	0.0	1	43.5
15-17	7	6.5	4	6.6	3	6.4
18-19	30	9.5	18	9.3	12	9.8
20-24	133	8.4	67	7.1	66	10.4
25-29	116	6.2	48	3.8	68	10.9
30-34	92	6.9	46	4.8	46	12.3
35-39	49	8.7	28	7.3	21	11.5
40+	7	6.8	2	2.9	5	14.7
Not stated	0	--	0	--	0	--

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

²Infant 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, 2017

BIRTH WEIGHT IN GRAMS	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	435	7.4	213	5.5	222	11.0
0-499 grams	102	829.3	31	738.1	71	876.5
500-999 grams	71	164.4	28	160.9	43	166.7
1,000-1,499 grams	26	44.9	14	50.7	12	39.6
1,500-1,999 grams	24	20.3	12	19.6	12	21.0
2,000-2,499 grams	44	11.8	29	15.2	15	8.2
2,500-4,499 grams	164	3.1	97	2.7	67	3.9
4,500+ grams	1	1.9	0	0.0	1	10.6
Not stated	3	--	2	--	1	--

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

²Infant 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, 2017

PLURALITY AT BIRTH	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	435	7.4	115	5.8	98	5.2	121	11.7	101	10.2
Single	368	6.5	104	5.4	88	4.8	95	9.6	81	8.5
Multiple	67	30.9	11	16.6	10	15.0	26	60.7	20	48.7
Twins	56	27.1	9	14.4	8	12.8	23	55.4	16	40.2
Triplets or higher order	11	106.8	2	55.6	2	48.8	3	230.8	4	307.7

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, 2017

ADEQUACY OF PRENATAL CARE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Adequate plus	191	9.3	88	6.5	103	14.9
Adequate	64	2.9	36	2.4	28	4.2
Intermediate	22	5.3	13	4.8	9	6.0
Inadequate	102	9.7	56	9.1	46	10.5

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, 2000-2017

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

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, 2000-2017

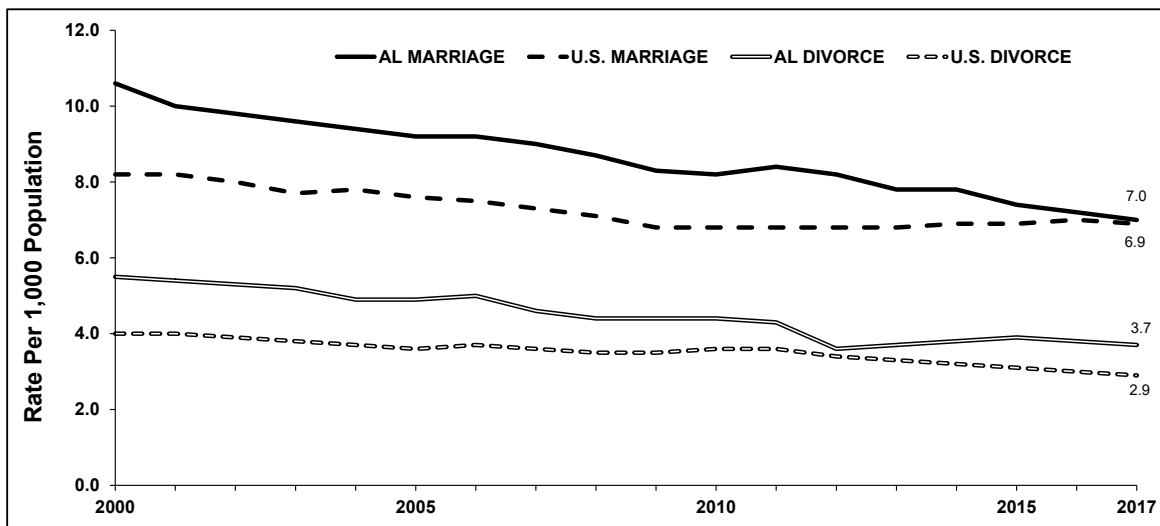


TABLE 72
NUMBERS AND RATES¹ OF MARRIAGES AND DIVORCES BY ISSUING COUNTY
ALABAMA, 2017

ISSUING COUNTY	MARRIAGES		DIVORCES	
	NUMBER	RATE	NUMBER	RATE
TOTAL	34,329	7.0	17,887	3.7
Autauga	0	0.0	180	3.2
Baldwin	2,309	10.9	834	3.9
Barbour	128	5.1	62	2.5
Bibb	129	5.7	0	0.0
Blount	452	7.8	224	3.9
Bullock	66	6.4	12	1.2
Butler	246	12.4	72	3.6
Calhoun	809	7.1	474	4.1
Chambers	98	2.9	134	4.0
Cherokee	196	7.6	130	5.0
Chilton	390	8.9	238	5.4
Choctaw	89	6.9	54	4.2
Clarke	0	0.0	81	3.4
Clay	59	4.4	41	3.1
Cleburne	0	0.0	65	4.4
Coffee	743	14.3	177	3.4
Colbert	376	6.9	184	3.4
Conecuh	90	7.2	42	3.4
Coosa	37	3.4	26	2.4
Covington	0	0.0	167	4.5
Crenshaw	124	8.9	49	3.5
Cullman	733	8.9	425	5.1
Dale	452	9.2	208	4.2
Dallas	164	4.2	75	1.9
DeKalb	483	6.7	230	3.2
Elmore	0	0.0	300	3.7
Escambia	211	5.6	107	2.9
Etowah	877	8.5	487	4.7
Fayette	118	7.2	15	0.9
Franklin	179	5.7	138	4.4
Geneva	0	0.0	123	4.7
Greene	49	5.9	15	1.8
Hale	67	4.5	33	2.2
Henry	121	7.1	48	2.8
Houston	658	6.3	459	4.4
Jackson	453	8.7	251	4.8
Jefferson	4,787	7.3	2,235	3.4
Lamar	84	6.0	94	6.7
Lauderdale	655	7.1	327	3.5
Lawrence	192	5.8	153	4.6
Lee	632	3.9	476	2.9
Limestone	594	6.3	386	4.1
Lowndes	56	5.6	40	4.0
Macon	80	4.3	33	1.8
Madison	2,774	7.7	1,289	3.6
Marengo	68	3.5	63	3.3
Marion	511	17.1	135	4.5
Marshall	718	7.5	498	5.2
Mobile	3,019	7.3	1,628	3.9
Monroe	161	7.5	89	4.2
Montgomery	2,762	12.2	817	3.6
Morgan	790	6.6	498	4.2
Perry	57	6.1	22	2.4
Pickens	108	5.4	71	3.5
Pike	0	0.0	94	2.8
Randolph	194	8.6	97	4.3
Russell	481	8.4	282	4.9
St. Clair	771	8.7	319	3.6
Shelby	1,189	5.6	639	3.0
Sumter	35	2.8	2	0.2
Talladega	494	6.2	333	4.2
Tallapoosa	243	6.0	106	2.6
Tuscaloosa	1,253	6.0	446	2.1
Walker	452	7.1	329	5.1
Washington	0	0.0	81	4.9
Wilcox	112	10.4	17	1.6
Winston	151	6.4	128	5.4

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, 2017

MONTH	ALL MARRIAGES		SAME SEX MARRIAGES
	NUMBER	RATE	
TOTAL	34,329	7.0	715
January	1,613	3.9	53
February	1,907	5.1	61
March	3,074	7.4	79
April	3,204	8.0	53
May	3,519	8.5	63
June	3,386	8.5	62
July	3,104	7.5	67
August	2,454	5.9	42
September	3,218	8.0	47
October	3,652	8.8	76
November	2,565	6.4	58
December	2,633	6.4	54

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

TABLE 74
MARRIAGES BY RACE OF SPOUSE
ALABAMA, 2017

RACE OF SPOUSE 1	RACE OF SPOUSE 2				
	TOTAL	WHITE	BLACK	OTHER	NOT STATED
TOTAL	34,329	26,427	6,914	882	106
WHITE	26,002	25,071	430	459	42
BLACK	7,423	930	6,354	108	31
OTHER	777	376	91	309	1
NOT STATED	127	50	39	6	32

TABLE 75
MARRIAGES BY PREVIOUS MARITAL STATUS OF SPOUSE
ALABAMA, 2017

MARITAL STATUS OF SPOUSE 1	MARITAL STATUS OF SPOUSE 2				
	TOTAL	NEVER MARRIED	WIDOWED	DIVORCED	NOT STATED
TOTAL	34,329	20,535	1,172	12,094	528
NEVER MARRIED	20,377	16,983	160	3,174	60
WIDOWED	1,162	145	378	634	5
DIVORCED	12,249	3,351	627	8,169	102
NOT STATED	541	56	7	117	361

TABLE 76
MARRIAGES BY AGE GROUP OF SPOUSE
ALABAMA, 2017

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	34,329	1,545	8,103	7,830	4,614	3,349	2,552	2,305	1,622	1,048	670	326	218	146	1
15-19	686	468	191	21	6	0	0	0	0	0	0	0	0	0	0
20-24	6,251	873	4,420	760	122	51	14	8	1	2	0	0	0	0	0
25-29	7,895	154	2,703	3,979	750	195	79	23	10	2	0	0	0	0	0
30-34	5,096	24	527	1,966	1,814	521	178	48	10	6	1	0	0	1	0
35-39	3,623	11	156	694	1,138	1,098	350	128	29	11	5	2	0	1	0
40-44	2,863	7	48	245	466	826	766	367	105	25	5	3	0	0	0
45-49	2,465	4	34	95	215	391	662	728	240	82	12	2	0	0	0
50-54	1,927	3	14	43	60	170	311	563	510	183	50	12	5	3	0
55-59	1,414	0	5	19	22	59	123	271	426	334	118	27	7	2	1
60-64	937	1	4	7	16	19	47	123	199	218	231	49	20	3	0
65-69	540	0	0	1	2	14	12	30	60	122	149	108	31	11	0
70-74	319	0	1	0	2	0	5	11	19	41	69	78	70	23	0
75+	313	0	0	0	1	5	5	5	13	22	30	45	85	102	0
NOT STATED	0	0	0	0	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, 2017

DURATION OF MARRIAGE (IN YEARS)	NUMBER OF MINOR CHILDREN											
	TOTAL	0	1	2	3	4	5	6	7	8	9+	NOT STATED
TOTAL	17,887	10,667	3,635	2,550	740	155	35	20	1	1	1	82
UNDER 1	659	598	39	17	4	0	0	0	0	0	0	1
1-4	5,179	3,634	1,088	345	70	14	1	1	0	0	0	26
5-9	4,509	2,395	1,082	778	203	26	5	2	0	0	0	18
10-14	2,815	1,277	585	672	203	49	13	3	0	1	1	11
15-19	1,888	762	402	467	179	54	9	9	0	0	0	6
20-24	1,273	673	289	215	66	12	7	4	1	0	0	6
25-29	708	537	113	46	10	0	0	0	0	0	0	2
30-34	402	369	26	4	2	0	0	0	0	0	0	1
35-39	197	190	4	0	0	0	0	1	0	0	0	2
40+	178	172	2	1	2	0	0	0	0	0	0	1
NOT STATED	79	60	5	5	1	0	0	0	0	0	0	8

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, 2017**

PARTY TO WHOM DIVORCE GRANTED	TOTAL	DIVORCES	ANNULMENTS
TOTAL	17,887	17,839	48
Spouse 1	1,144	1,137	7
Spouse 2	1,881	1,871	10
Spouse 1 and Spouse 2	14,811	14,780	31
Not stated	51	51	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, 2017**

RACE OF SPOUSE 1	RACE OF SPOUSE 2		
	TOTAL	WHITE	BLACK AND OTHER
TOTAL	17,887	13,606	4,281
WHITE	13,835	13,349	487
BLACK AND OTHER	4,051	257	3,794

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, 2017**

LEGAL GROUNDS	TOTAL	DIVORCES	ANNULMENTS
TOTAL	17,887	17,839	48
Abandonment	65	65	0
Adultery	175	175	0
Bigamy	10	4	6
Cruelty or violence	117	116	1
Fraud	13	1	12
Incompatibility	13,904	13,888	16
Irretrievable breakdown	3,442	3,441	1
All other causes	149	137	12
Not stated	12	12	0

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

**TABLE 81
DIVORCES AND ANNULMENTS BY AGE GROUP OF SPOUSE
ALABAMA, 2017**

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	17,887	79	1,163	2,306	2,782	2,863	2,547	2,346	1,556	996	654	305	146	90	54
UNDER 20	31	12	12	2	3	2	0	0	0	0	0	0	0	0	0
20-24	722	51	524	111	24	4	2	2	1	0	0	0	0	0	3
25-29	1,994	10	496	1,136	233	84	17	7	1	1	0	3	0	1	5
30-34	2,495	5	81	757	1,189	317	103	27	11	1	1	2	0	0	1
35-39	2,731	1	28	189	848	1,170	313	132	31	10	5	1	0	0	3
40-44	2,584	0	8	61	304	791	952	352	82	18	5	2	1	1	7
45-49	2,433	0	6	24	110	323	702	919	239	71	21	6	4	2	6
50-54	1,855	0	4	16	41	102	296	569	576	166	65	9	3	2	6
55-59	1,329	0	2	5	18	41	116	210	392	396	102	30	11	3	3
60-64	798	0	2	2	5	24	28	76	153	206	238	54	7	1	2
65-69	453	0	0	1	1	2	10	33	44	80	147	103	27	2	3
70-74	240	0	0	0	0	0	4	9	13	30	47	66	55	16	0
75+	185	0	0	0	1	2	2	8	7	14	22	28	38	62	1
NOT STATED	37	0	0	2	5	1	2	2	6	3	1	1	0	0	14

TABLE 83
ESTIMATED POPULATION¹
BY AGE GROUP, RACE AND SEX
ALABAMA, 2017

AGE GROUP	TOTAL POPULATION	WHITE			BLACK AND OTHER		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
ALL AGES	4,874,747	3,374,131	1,656,903	1,717,228	1,500,616	702,933	797,683
0-4	293,554	185,429	94,816	90,613	108,125	54,558	53,567
5-9	301,285	193,224	98,680	94,544	108,061	54,846	53,215
10-14	308,459	200,873	103,230	97,643	107,586	54,248	53,338
15-19	318,807	204,962	104,831	100,131	113,845	56,904	56,941
20-24	329,597	208,659	106,860	101,799	120,938	59,506	61,432
25-29	338,151	219,791	110,437	109,354	118,360	57,306	61,054
30-34	302,151	202,125	101,123	101,002	100,026	46,476	53,550
35-39	302,111	202,813	101,545	101,268	99,298	45,310	53,988
40-44	289,684	199,439	99,527	99,912	90,245	40,727	49,518
45-49	313,756	222,909	111,720	111,189	90,847	41,033	49,814
50-54	322,876	230,856	114,739	116,117	92,020	41,995	50,025
55-59	337,258	242,821	119,227	123,594	94,437	42,353	52,084
60-64	313,287	227,771	109,873	117,898	85,516	37,959	47,557
65-69	268,693	202,494	95,902	106,592	66,199	29,102	37,097
70-74	208,639	166,534	77,009	89,525	42,105	17,999	24,106
75-79	143,159	115,603	51,134	64,469	27,556	11,128	16,428
80-84	95,101	77,035	32,066	44,969	18,066	6,515	11,551
85+	88,179	70,793	24,184	46,609	17,386	4,968	12,418

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

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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 is 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 90 percent of the deaths were submitted through the Electronic Death Registration System in 2017. 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 97 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 Series³. Certain groups of causes on these lists are

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.

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.

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

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ALABAMA VITAL STATISTICS FORMULAS

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

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

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

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

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

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

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

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

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

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

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 =
$$\frac{\text{Number of Live Births}}{\text{Estimated Female Population 15-44 Years of Age}} \times 1,000$$

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)

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

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

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

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

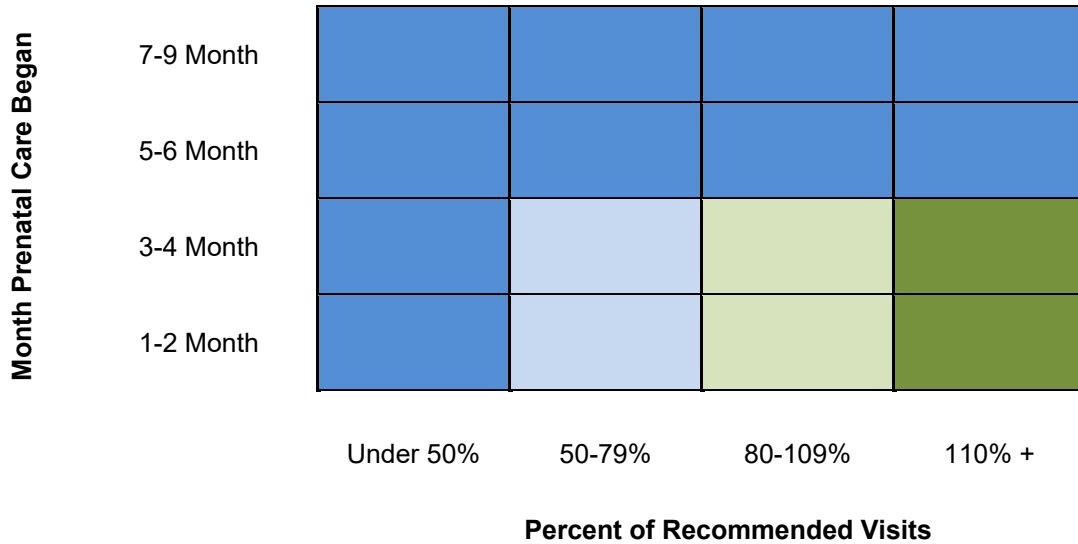
$$\text{TEENAGE PREGNANCY RATE} = \frac{\begin{aligned} &\text{Number of Live Births to Females Aged 10-19} \\ &+ \text{Number of Abortions to Females Aged 10-19} \\ &+ \text{Estimated Total Fetal Losses to Females Aged 10-19} \end{aligned}}{\text{Estimated Female Population Aged 10-19}} \times 1,000$$

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

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

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

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

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Appendix C

CAUSE OF DEATH LISTS

NCHS 113 Selected Causes of Death

Selected Causes of Infant Death

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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
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

#Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
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 #	J9-J18
Influenza	J9-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
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

#Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
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
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

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
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

#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 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
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

#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 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