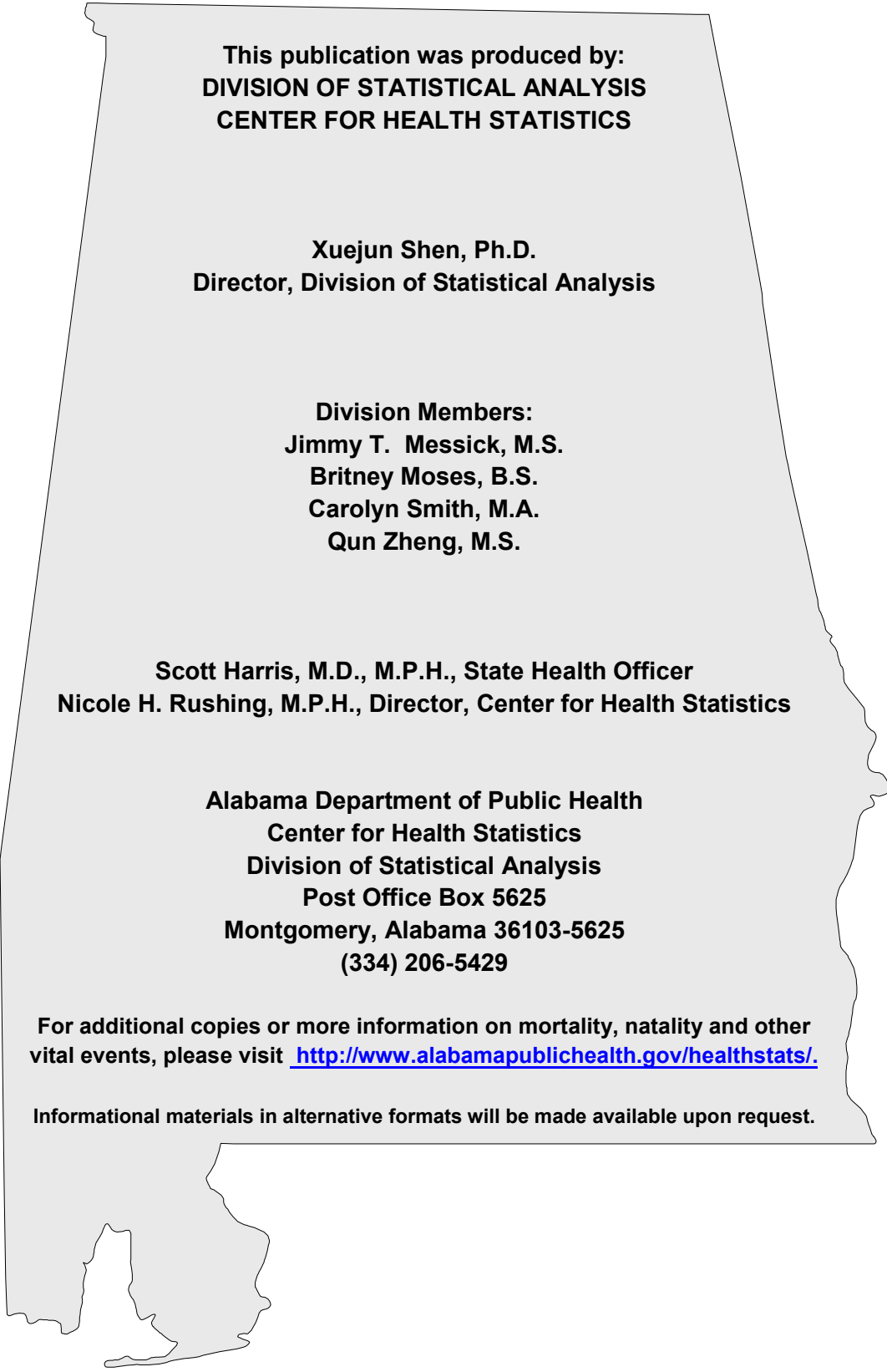




ALABAMA VITAL STATISTICS



ALABAMA
PUBLIC
HEALTH



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

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

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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 2005-2019 through menu option "Publications" on the left side of the screen.

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

AVS Highlights

In marking Alabama’s bicentennial, AVS Highlights looks back over the past 200 years since Alabama was ratified as a state in 1819. It was nearly 90 years later before a statewide system of vital statistics was established. In 1908, the Bureau of Vital Statistics, now known as the Center for Health Statistics, began filing certificates for births and deaths which occurred in the state. Certificates for marriages occurring in Alabama were first filed in the Center in August 1936 and divorces in 1950. The statistics collected from these records of vital events provide valuable data, reflecting Alabama’s past and present.

Note: Some statistics cannot be traced back to 1819. Data on the earliest year accessible were used in those instances.

Geography and Population

- **The map of Alabama has undergone several changes over the years**

The map on the right shows the current county borders (white) overlaid with 1820 borders (red). Part of what is now Alabama was American Indian territory in 1820. Cotaco County is now Morgan County and Cahawba County is now Bibb County. The town of Cahawba was the first permanent capital of Alabama from 1820-1825. It is now a ghost town.

Alabama Counties*, 1820

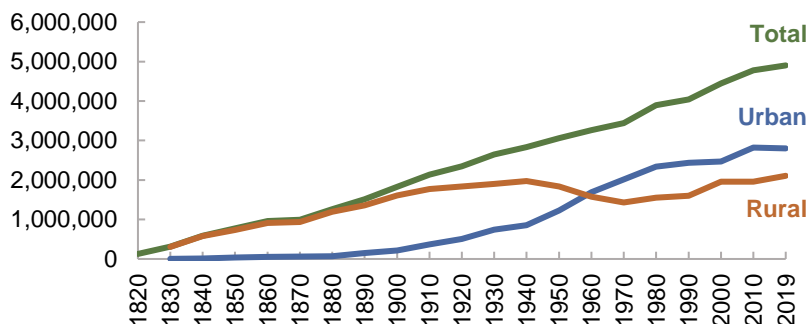


*This map has been modified to include specific American Indian tribes.

- **The population grew nearly forty-fold from 1820 to 2019.**

The population of Alabama has grown from 127,901 people in 1820 to nearly 5 million people in 2019 (see chart on right). By 1960, the urban population surpassed the rural population.

Alabama Population by Decade, 1820-2019



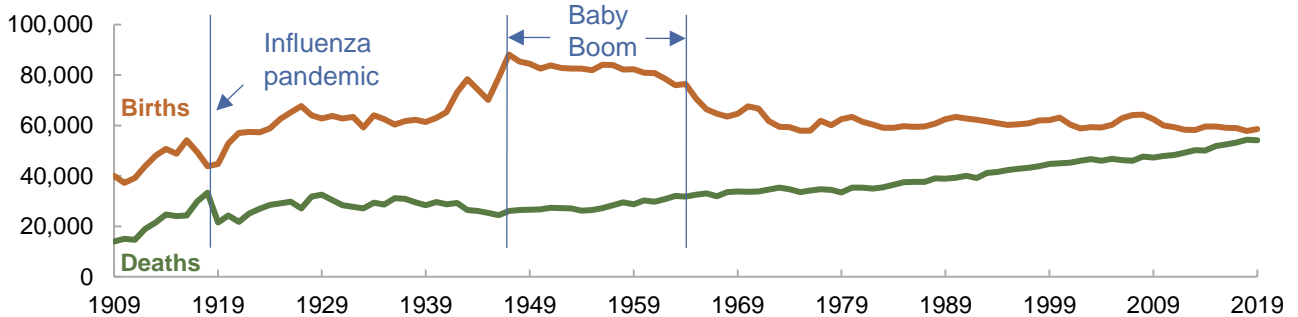
*Pre-2019 data were compiled from the U.S. Census by the Alabama Department of Archives and History. 2019 numbers were compiled from the U.S. Census by the Center for Health Statistics.

Births and Deaths



- Alabama births and deaths were closest in number in 2018. Births have declined since peaking in 1947. The number of deaths has steadily risen since the 1980s.

Births* and Deaths, Alabama, 1909-2019



*1947-1949 births were obtained from the *Vital Statistics of the United States* produced by the Centers for Disease Control. All other years were obtained from the Alabama Vital Statistics annual publications.

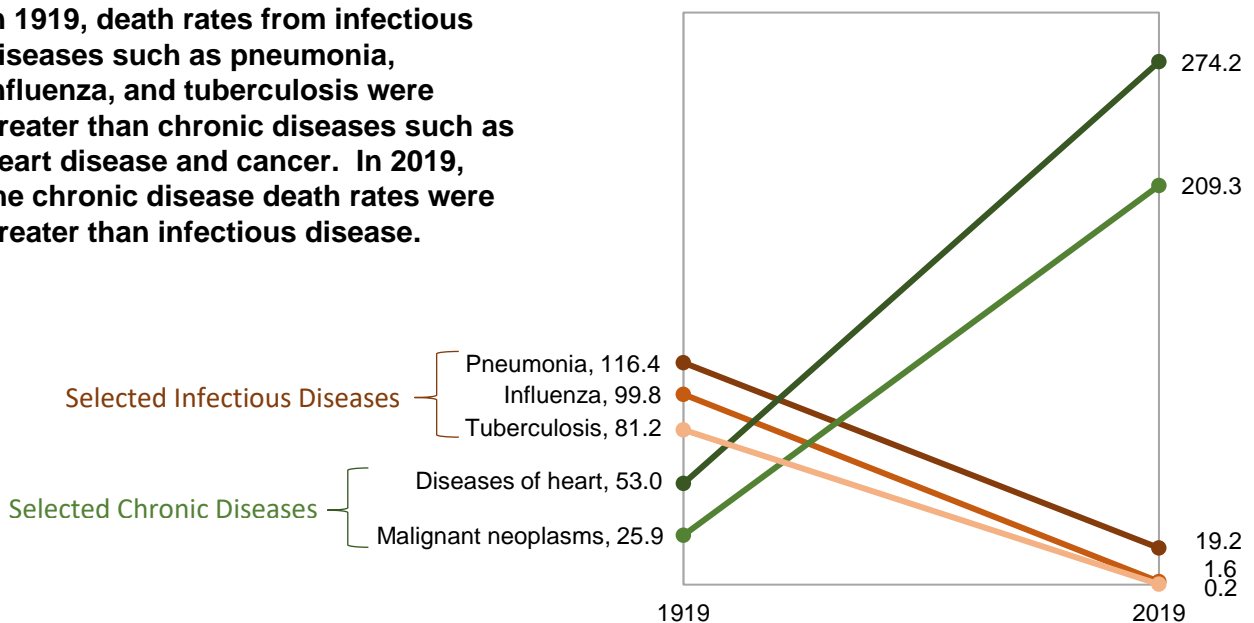
- In 1926*, 71.8% of births were attended by a physician, but only 5.7% of births were in a hospital. In 2019, 98.6% of births were attended by a physician and 99.5% were in a hospital. The percent of births attended by a midwife fell from 27.5% in 1926 to 0.7% in 2019.

*Earliest data available was from 1926.



Rates* of Selected Causes of Death in Alabama, 1919 vs. 2019

- In 1919, death rates from infectious diseases such as pneumonia, influenza, and tuberculosis were greater than chronic diseases such as heart disease and cancer. In 2019, the chronic disease death rates were greater than infectious disease.

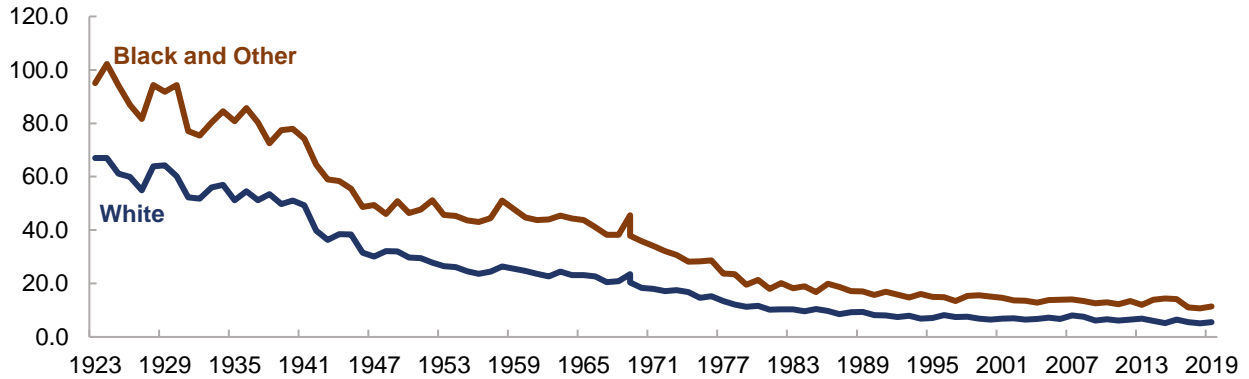


*Rates are per 100,000 population.

Infant Mortality

- In 2019, the infant mortality rate was nearly 1/12 of what it was in 1923 for white residents and 1/8 for black and other residents.

Infant Mortality Rate* by Race, Alabama, 1923**-2019



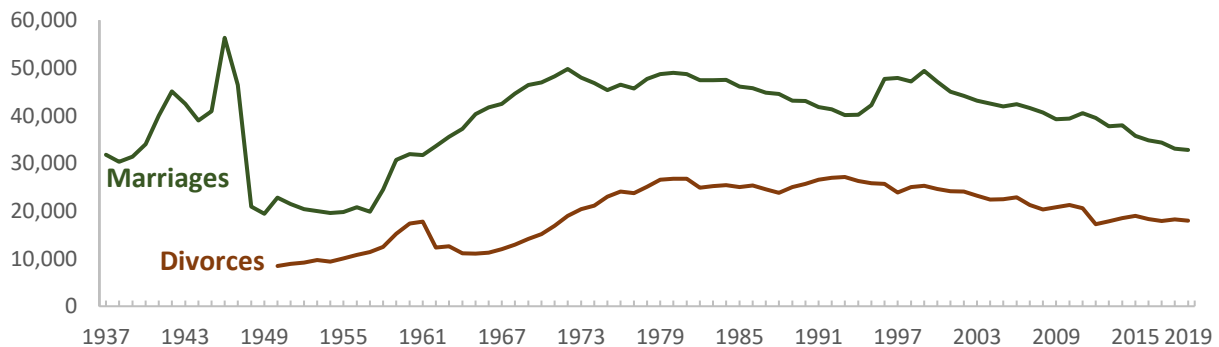
*Rate is per 1,000 live births.

**Records of infant mortality by race began in 1923.

Marriages and Divorces

- The first complete year of marriage records was 1937; divorce records began in 1950. Marriages rose in the 1960s and divorces rose in the 1970s. Both marriages and divorces have declined since the early 2000s.

Marriages and Divorces, Alabama, 1937-2019



- In 2019, a greater percentage of female decedents was widowed at the time of their deaths than married. In 1935, the opposite was true. The percentage of widowed male decedents was slightly higher in 2019 (16.9%) than in 1935 (15%).

Marital Status of Decedents by Sex, Alabama, 1935 vs. 2019

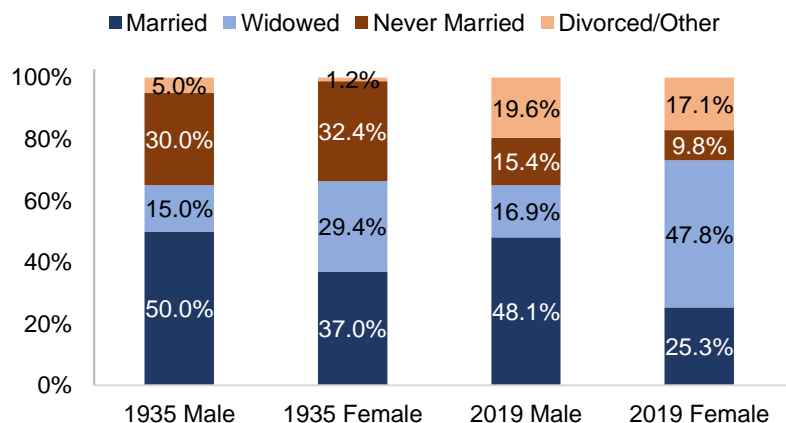


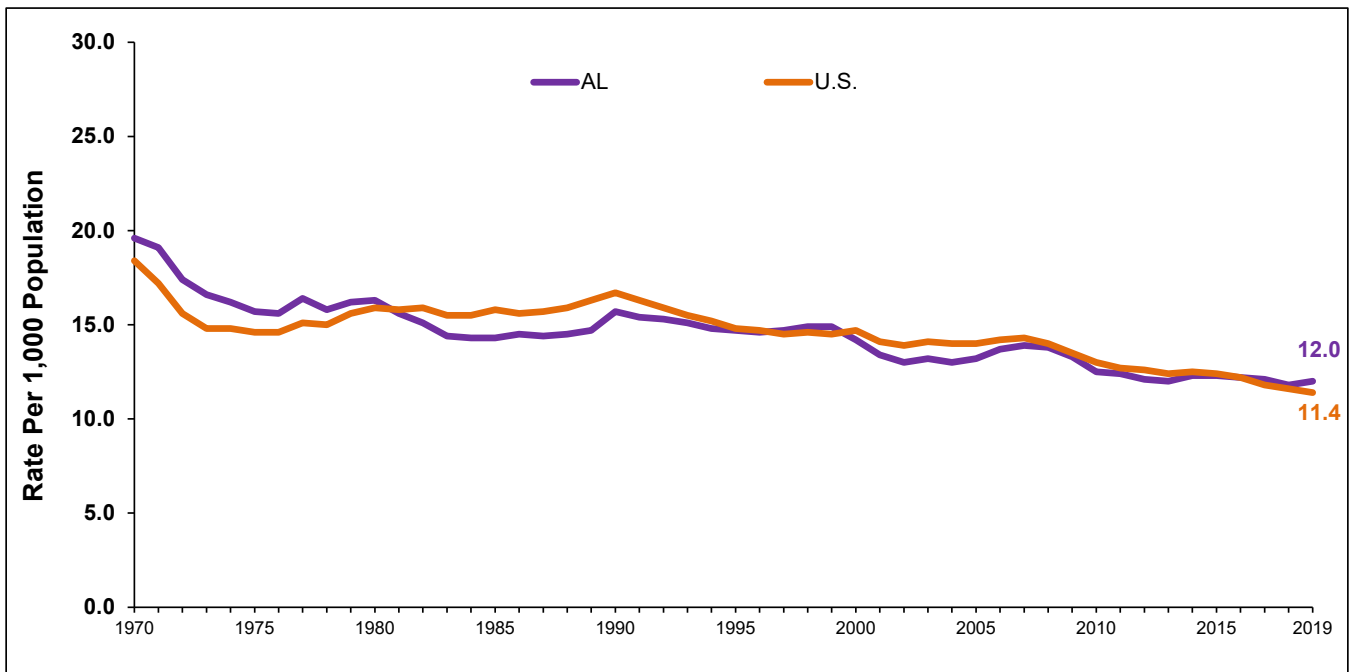
TABLE 1
RESIDENT BIRTHS AND BIRTH RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2019

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	13.8	21,194	15.8	16.4
2008	64,345	13.8	14.0	42,897	13.0	13.5	21,448	15.9	16.0
2009	62,476	13.3	13.5	41,963	12.6	13.0	20,513	15.0	15.4
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	12.1	20,044	13.6	14.2
2015	59,651	12.3	12.4	39,632	11.7	12.0	20,019	13.5	13.9
2016	59,090	12.2	12.2	39,241	11.6	11.7	19,849	13.3	14.0
2017	58,936	12.1	11.8	38,728	11.5	11.3	20,208	13.5	13.9
2018	57,754	11.8	11.6	38,149	11.3	11.2	19,605	13.0	13.2
2019	58,615	12.0	11.4	37,985	11.2	11.0	20,630	13.6	12.9

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 1990-2019 are by race of mother.

**FIGURE 1. LIVE BIRTH RATES
ALABAMA AND UNITED STATES, 1970-2019**



**FIGURE 2. LIVE BIRTH RATES BY RACE OF MOTHER
ALABAMA, 1970-2019**

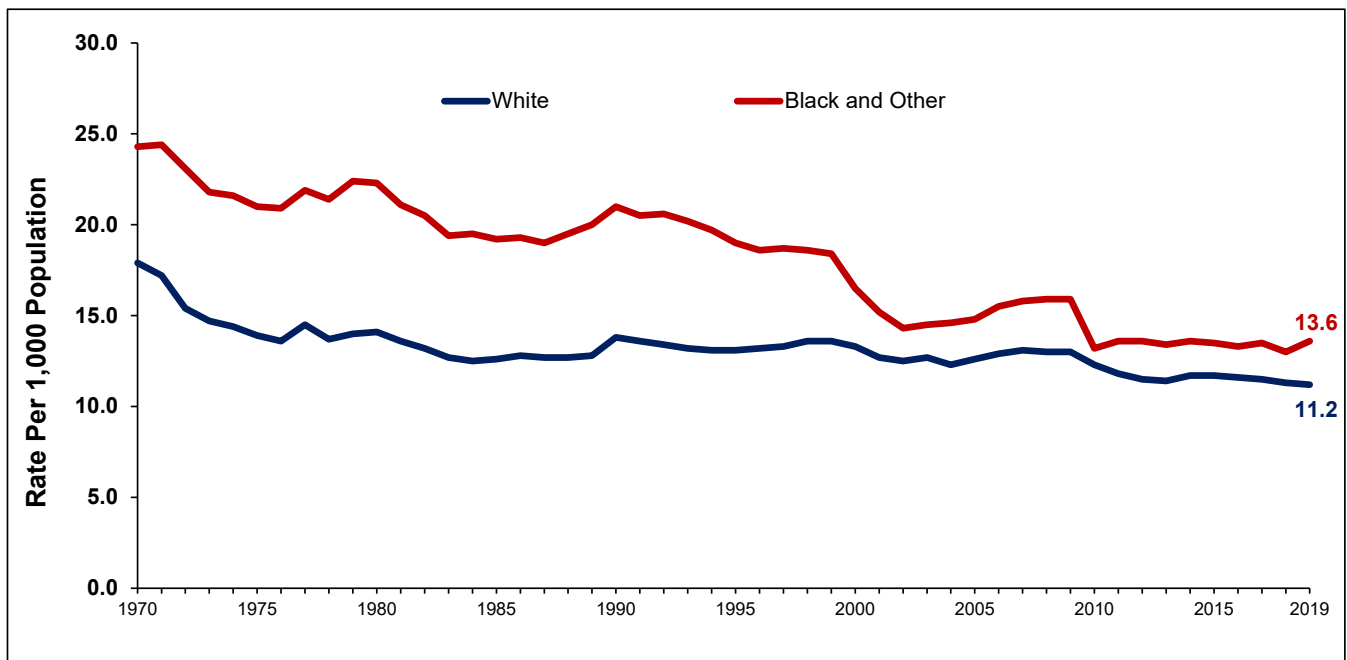
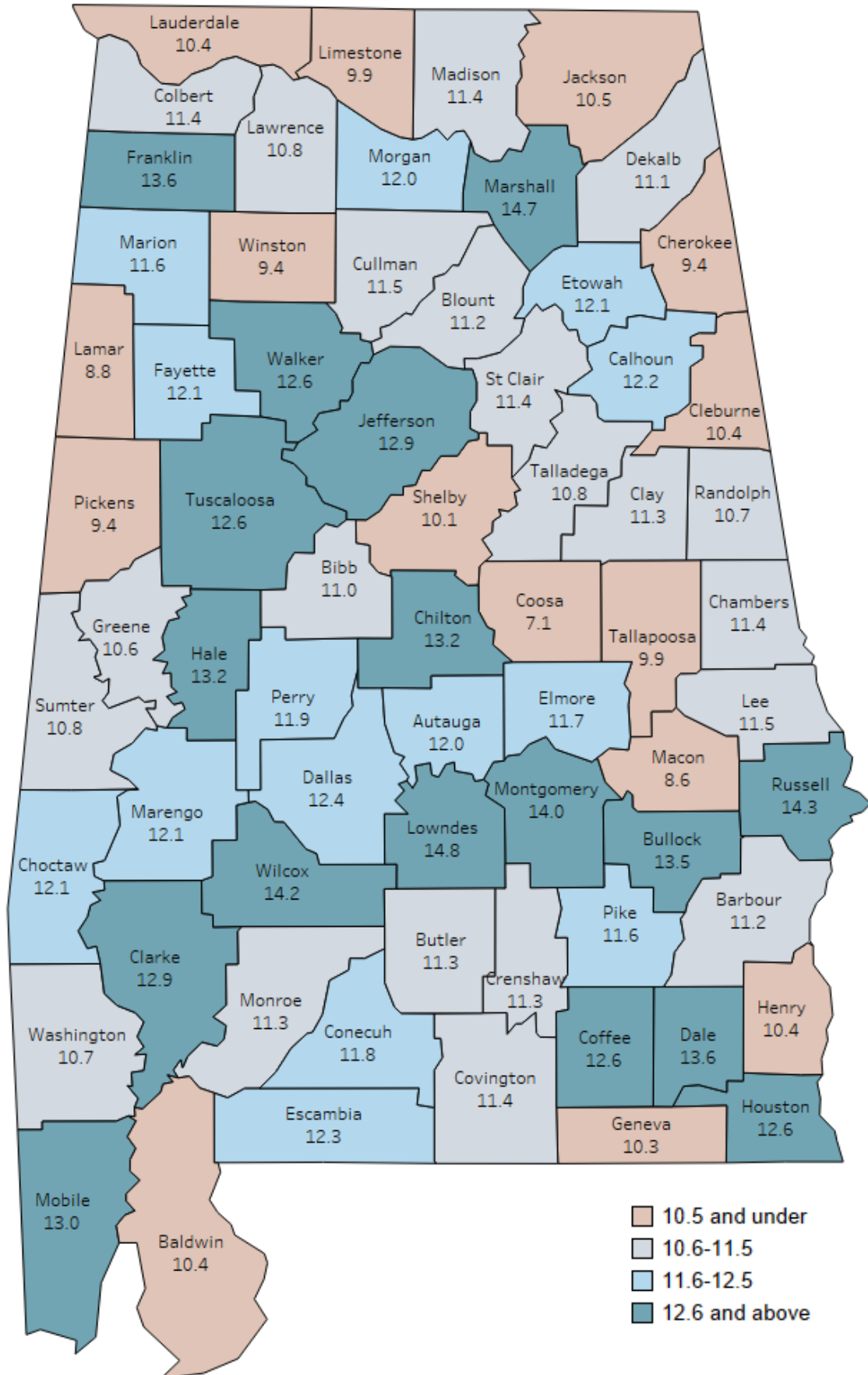


TABLE 2
RESIDENT BIRTHS AND BIRTH RATES¹
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2019

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	58,615	12.0	37,985	11.2	20,630	13.6
Autauga	668	12.0	488	11.5	180	13.6
Baldwin	2,330	10.4	1,984	10.2	346	12.3
Barbour	277	11.2	116	9.6	161	12.8
Bibb	246	11.0	195	11.3	51	9.8
Blount	645	11.2	629	11.4	16	6.6
Bullock	136	13.5	23	8.6	113	15.2
Butler	220	11.3	83	8.2	137	14.7
Calhoun	1,383	12.2	997	11.7	386	13.6
Chambers	379	11.4	203	10.7	176	12.3
Cherokee	245	9.4	235	9.6	10	5.6
Chilton	586	13.2	527	13.6	59	10.3
Choctaw	152	12.1	88	12.2	64	11.9
Clarke	304	12.9	167	13.3	137	12.3
Clay	149	11.3	125	11.3	24	10.8
Cleburne	155	10.4	151	10.7	4	5.4
Coffee	661	12.6	489	12.3	172	13.6
Colbert	628	11.4	481	10.8	147	13.6
Conecuh	142	11.8	68	10.9	74	12.7
Coosa	76	7.1	58	8.1	18	5.1
Covington	421	11.4	350	11.2	71	12.4
Crenshaw	156	11.3	102	10.3	54	14.1
Cullman	960	11.5	939	11.7	21	5.9
Dale	668	13.6	468	12.9	200	15.5
Dallas	463	12.4	100	9.7	363	13.5
DeKalb	797	11.1	724	10.9	73	14.0
Elmore	947	11.7	670	10.9	277	14.0
Escambia	449	12.3	293	12.8	156	11.3
Etowah	1,236	12.1	923	11.2	313	15.8
Fayette	197	12.1	178	12.7	19	8.2
Franklin	426	13.6	374	13.0	52	20.0
Geneva	271	10.3	234	10.2	37	11.0
Greene	86	10.6	7	4.7	79	11.9
Hale	193	13.2	68	11.4	125	14.4
Henry	179	10.4	135	11.0	44	9.0
Houston	1,336	12.6	807	11.1	529	16.0
Jackson	544	10.5	490	10.4	54	12.1
Jefferson	8,481	12.9	4,372	12.5	4,109	13.3
Lamar	122	8.8	110	9.1	12	7.0
Lauderdale	968	10.4	820	10.2	148	12.2
Lawrence	355	10.8	309	12.0	46	6.4
Lee	1,891	11.5	1,272	10.9	619	12.9
Limestone	981	9.9	866	10.8	115	6.1
Lowndes	144	14.8	24	9.5	120	16.7
Macon	155	8.6	21	6.7	134	9.0
Madison	4,260	11.4	2,759	10.7	1,501	12.9
Marengo	229	12.1	110	12.5	119	11.8
Marion	346	11.6	331	11.8	15	8.5
Marshall	1,418	14.7	1,171	13.0	247	35.5
Mobile	5,371	13.0	2,740	11.2	2,631	15.5
Monroe	234	11.3	115	10.0	119	12.9
Montgomery	3,167	14.0	875	10.9	2,292	15.7
Morgan	1,435	12.0	1,184	11.9	251	12.2
Perry	106	11.9	15	5.6	91	14.6
Pickens	187	9.4	94	8.1	93	11.1
Pike	384	11.6	191	10.0	193	13.7
Randolph	244	10.7	190	10.7	54	10.8
Russell	829	14.3	430	14.9	399	13.8
St. Clair	1,021	11.4	898	11.5	123	11.0
Shelby	2,206	10.1	1,811	10.1	395	10.4
Sumter	134	10.8	26	8.2	108	11.7
Talladega	865	10.8	549	10.7	316	11.0
Tallapoosa	400	9.9	248	8.7	152	12.8
Tuscaloosa	2,630	12.6	1,395	10.4	1,235	16.5
Walker	799	12.6	722	12.5	77	13.4
Washington	174	10.7	117	10.9	57	10.3
Wilcox	147	14.2	34	11.9	113	15.1
Winston	221	9.4	217	9.6	4	4.1

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, 2019**



**TABLE 3
RESIDENT BIRTHS BY PLURALITY
ALABAMA, 1980-2019**

YEAR	TOTAL	SINGLE BIRTHS	TWINS	TRIPLETS	QUADRUPLETS OR GREATER
1980	63,405	62,148	1,237	20	0
1981	61,497	60,089	1,385	23	0
1982	60,296	59,042	1,231	23	0
1983	59,057	57,766	1,268	14	9
1984	59,104	57,819	1,270	15	0
1985	59,663	58,434	1,184	41	4
1986	59,441	58,127	1,297	13	4
1987	59,558	58,235	1,287	36	0
1988	60,718	59,294	1,389	33	2
1989	62,530	61,153	1,341	36	0
1990	63,420	61,874	1,488	54	4
1991	62,798	61,273	1,479	46	0
1992	62,226	60,711	1,457	49	9
1993	61,588	60,042	1,507	37	2
1994	60,836	59,215	1,573	32	16
1995	60,264	58,780	1,408	68	8
1996	60,460	58,784	1,595	62	19
1997	60,887	59,117	1,661	97	12
1998	62,025	60,118	1,803	87	17
1999	62,070	60,208	1,762	91	9
2000	63,166	61,032	2,018	98	18
2001	60,295	58,241	1,923	115	16
2002	58,867	56,882	1,850	124	11
2003	59,356	57,406	1,848	94	8
2004	59,170	57,101	1,945	115	9
2005	60,262	58,180	1,954	108	20
2006	62,915	60,638	2,177	94	6
2007	64,180	62,001	2,109	62	8
2008	64,345	62,173	2,055	93	24
2009	62,476	60,315	2,075	78	8
2010	59,979	57,772	2,114	80	13
2011	59,322	57,337	1,888	83	14
2012	58,381	56,386	1,882	104	9
2013	58,162	56,155	1,924	83	0
2014	59,532	57,417	2,072	39	4
2015	59,651	57,438	2,110	91	12
2016	59,090	56,819	2,180	74	17
2017	58,936	56,767	2,066	86	17
2018	57,754	55,648	2,015	87	4
2019	58,615	56,573	1,997	40	5

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

TABLE 4
BIRTHS BY METHODS OF DELIVERY AND HOSPITALS¹ OF OCCURRENCE
WITH CESAREAN SECTION AND VAGINAL BIRTH AFTER CESAREAN RATES
ALABAMA, 2019

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	57,224	36,539	798	12,452	7,429	6	34.7	9.7
BALDWIN								
North Baldwin Infirmary	236	146	0	40	50	0	38.1	0.0
South Baldwin Medical Center	636	431	1	194	10	0	32.1	9.1
Thomas Hospital	1,293	924	27	170	172	0	26.5	13.6
BIBB								
Bibb Medical Center	74	48	0	17	9	0	35.1	0.0
CALHOUN								
Regional Medical Center-Anniston	2,150	1,426	46	432	246	0	31.5	15.8
CLARKE								
Grove Hill Memorial Hospital	191	91	0	56	44	0	52.4	0.0
COFFEE								
Medical Center Enterprise	975	682	26	145	122	0	27.4	17.6
COLBERT								
Helen Keller Memorial Center	689	428	0	113	148	0	37.9	0.0
COVINGTON								
Andalusia Regional Hospital	325	257	6	23	39	0	19.1	13.3
CULLMAN								
Cullman Regional Medical Center	654	465	24	90	75	0	25.2	24.2
DALLAS								
Vaughn Regional Medical Center	462	316	0	120	26	0	31.6	0.0
DEKALB								
DeKalb Regional Medical Center	657	441	5	150	61	0	32.1	7.6
ESCAMBIA								
D.W. McMillan Memorial Hospital	245	117	2	60	66	0	51.4	2.9
ETOWAH								
Gadsden Regional Medical Center	891	648	19	99	125	0	25.1	13.2
HOUSTON								
Flowers Hospital	1,307	810	16	275	206	0	36.8	7.2
Southeast Alabama Medical Center	1,574	978	24	306	266	0	36.3	8.3
JACKSON								
Highland Medical Center	303	198	6	55	44	0	32.7	12.0
JEFFERSON								
Brookwood Medical Center	3,453	2,222	58	733	440	0	34.0	11.6
Grandview Medical Center	1,635	964	0	657	14	0	41.0	0.0
Princeton Baptist Medical Center	488	352	28	59	49	0	22.1	36.4
St. Vincent's Birmingham	3,798	2,433	48	796	521	0	34.7	8.4
UAB Medical West	353	224	3	113	13	0	35.7	18.8
University of Alabama Hospital	4,254	2,683	71	1,179	321	0	35.3	18.1

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

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

TABLE 4 (Continued)
BIRTHS BY METHODS OF DELIVERY AND HOSPITALS¹ OF OCCURRENCE
WITH CESAREAN SECTION AND VAGINAL BIRTH AFTER CESAREAN RATES
ALABAMA, 2019

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
LAUDERDALE								
North Alabama Medical Center	1,393	933	7	268	185	0	32.5	3.6
LEE								
East Alabama Medical Center	2,121	1,311	33	430	347	0	36.6	8.7
LIMESTONE								
Athens-Limestone Hospital	403	294	5	59	45	0	25.8	10.0
MADISON								
Crestwood Medical Center	1,306	836	25	248	197	0	34.1	11.3
Huntsville Hospital	4,124	2,572	61	866	625	0	36.2	8.9
Madison Hospital	1,323	927	19	197	180	0	28.5	9.5
MARSHALL								
Marshall Medical Center North	484	388	9	51	36	0	18.0	20.0
Marshall Medical Center South	753	517	23	136	77	0	28.3	23.0
MOBILE								
Mobile Infirmary Medical Center	857	489	2	247	119	0	42.7	1.7
Providence Hospital	1,533	949	15	347	222	0	37.1	6.3
Springhill Memorial Hospital	1,287	697	11	382	197	0	45.0	5.3
USA Children's and Women's Hospital	2,510	1,465	49	627	369	0	39.7	11.7
MONROE								
Monroe County Hospital	215	116	1	49	49	0	45.6	2.0
MONTGOMERY								
Baptist Medical Center East	3,690	2,228	35	861	566	0	38.7	5.8
Baptist Medical Center South	734	452	4	152	126	0	37.9	3.1
Jackson Hospital	1,192	730	7	255	200	0	38.2	3.4
MORGAN								
Decatur Morgan Hospital-Decatur	82	60	0	11	11	0	26.8	0.0
Decatur Morgan Hospital-Parkway	247	183	2	22	40	0	25.1	4.8
SHELBY								
Shelby Baptist Medical Center	953	638	20	165	130	0	31.0	13.3
TALLADEGA								
Coosa Valley Medical Center	445	241	0	103	101	0	45.8	0.0
TALLAPOOSA								
Russell Hospital	348	167	4	84	93	0	50.9	4.1
TUSCALOOSA								
DCH Regional Medical Center	1,839	1,178	22	431	208	0	34.7	9.6
Northport Medical Center	1,587	979	23	352	233	0	36.9	9.0
WALKER								
Walker Baptist Medical Center	855	623	0	226	6	0	27.1	0.0
All Other Hospitals	12	10	1	1	0	0	8.3	100.0
Out of Hospital	288	272	10	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, 2019

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	58,615	37,985	20,630	28,326	12,919	15,407	48.3	34.0	74.7
Under 15	47	23	24	46	22	24	---	---	---
15-17	925	501	424	883	464	419	95.5	92.6	98.8
18-19	3,030	1,729	1,301	2,661	1,409	1,252	87.8	81.5	96.2
20-24	15,278	9,313	5,965	10,520	5,129	5,391	68.9	55.1	90.4
25-29	18,661	12,138	6,523	8,104	3,288	4,816	43.4	27.1	73.8
30-34	13,777	9,698	4,079	4,074	1,702	2,372	29.6	17.6	58.2
35-39	5,783	3,862	1,921	1,714	744	970	29.6	19.3	50.5
40-44	1,047	677	370	307	152	155	29.4	22.5	41.9
45+	66	43	23	17	9	8	25.8	---	---
Not stated	1	1	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, 2010-2019

RACE AND AGE GROUP OF MOTHER	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	41.9	42.1	42.6	42.2	43.2	43.8	44.7	47.1	46.8	48.3
Under 15	99.1	96.8	98.8	98.4	98.4	100.0	---	---	---	---
15-17	91.3	93.5	93.4	91.2	92.3	93.0	94.5	95.5	95.2	95.5
18-19	78.2	78.1	79.3	77.9	80.4	79.7	82.2	86.1	86.4	87.8
20-24	56.8	58.6	59.9	60.4	61.6	63.5	64.5	67.4	67.1	68.9
25-29	31.4	31.4	32.1	32.9	35.2	36.6	38.2	41.4	41.5	43.4
30-34	20.2	21.4	21.9	22.3	24.0	24.3	25.7	27.4	28.6	29.6
35-39	19.3	18.3	21.5	20.6	22.9	24.1	24.3	27.8	26.2	29.6
40-44	18.0	20.6	20.6	22.6	25.0	22.4	29.2	28.3	27.0	29.4
45+	---	19.6	---	19.3	---	20.4	---	18.5	13.8	25.8
WHITE	27.6	27.9	28.3	28.3	29.2	29.9	30.6	33.3	32.8	34.0
Under 15	97.3	91.9	97.1	96.3	96.6	---	---	---	---	---
15-17	84.5	88.9	88.6	86.1	87.4	88.7	90.9	92.8	91.6	92.6
18-19	66.0	65.2	68.4	66.6	71.1	70.5	73.4	79.2	79.8	81.5
20-24	40.2	41.7	43.1	44.3	45.0	47.3	48.9	52.6	52.4	55.1
25-29	18.1	18.7	18.8	19.4	21.1	22.5	23.1	26.6	26.0	27.1
30-34	11.3	12.3	12.0	12.6	13.9	14.2	15.9	17.4	17.6	17.6
35-39	11.4	11.6	13.5	12.7	13.7	16.4	15.3	17.6	17.2	19.3
40-44	10.5	15.6	13.1	15.3	17.9	16.3	21.7	21.1	18.4	22.5
45+	---	---	---	---	---	---	---	---	---	---
BLACK AND OTHER	71.0	70.8	70.6	69.8	71.0	71.5	72.6	73.4	74.0	74.7
Under 15	100.0	100.0	100.0	100.0	100.0	---	---	---	---	---
15-17	98.9	99.1	99.1	98.1	99.0	98.4	98.7	99.1	99.0	98.8
18-19	95.3	95.9	94.4	94.9	95.3	94.7	95.4	97.1	96.3	96.2
20-24	83.9	85.0	85.6	84.8	86.8	87.2	88.3	89.4	90.6	90.4
25-29	63.1	62.7	63.0	63.7	66.0	68.3	70.8	71.4	73.9	73.8
30-34	45.4	46.5	47.8	46.9	49.9	50.5	51.5	53.3	55.0	58.2
35-39	39.4	35.7	40.5	40.1	43.7	41.9	44.4	49	46.2	50.5
40-44	34.7	35.4	35.2	38.0	38.8	34.7	45.1	42.4	42.9	41.9
45+	---	---	---	---	---	---	---	---	---	---

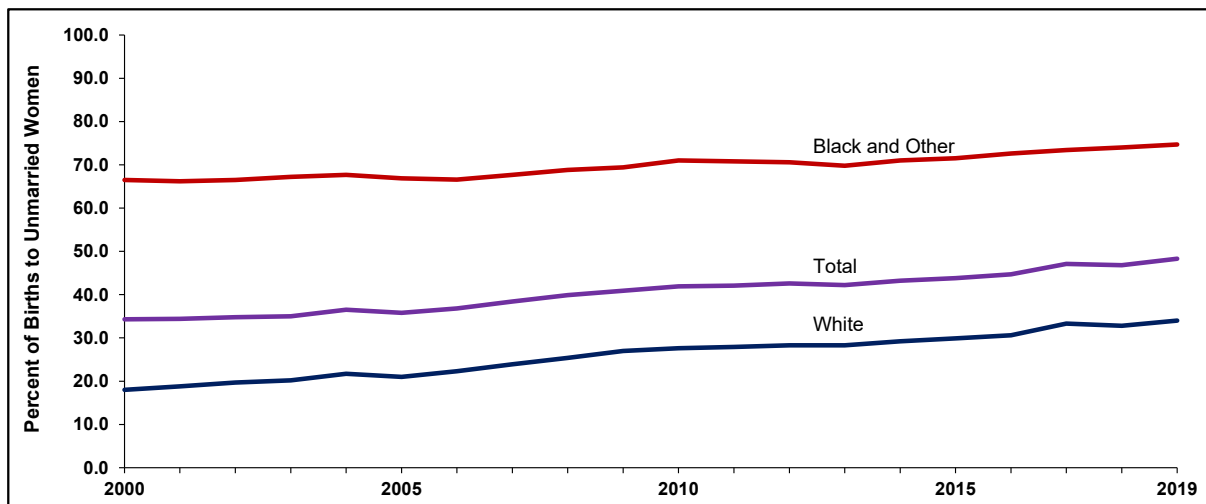
¹ Percentages were not calculated in instances where there were fewer than 50 live births in specified population group. Denominator includes only live births where the marital status was known.

**TABLE 7
NUMBER AND PERCENT¹ OF BIRTHS TO UNMARRIED WOMEN
BY RACE OF MOTHER
ALABAMA, 2000-2019**

YEAR	ALL RACES		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
2000	21,663	34.3	7,556	18.0	14,107	66.5
2001	20,739	34.4	7,615	18.8	13,124	66.2
2002	20,503	34.8	7,862	19.7	12,641	66.5
2003	20,788	35.0	8,230	20.2	12,558	67.2
2004	21,608	36.5	8,724	21.7	12,884	67.7
2005	21,549	35.8	8,595	21.0	12,954	66.9
2006	23,144	36.8	9,461	22.3	13,683	66.6
2007	24,616	38.4	10,278	23.9	14,338	67.7
2008	25,667	39.9	10,910	25.4	14,757	68.8
2009	25,561	40.9	11,324	27.0	14,237	69.4
2010	25,127	41.9	11,086	27.6	14,041	71.0
2011	24,946	42.1	11,102	27.9	13,844	70.8
2012	24,854	42.6	10,916	28.3	13,938	70.6
2013	24,566	42.2	10,913	28.3	13,653	69.8
2014	25,728	43.2	11,514	29.2	14,214	71.0
2015	26,150	43.8	11,843	29.9	14,307	71.5
2016	26,408	44.7	12,025	30.6	14,380	72.6
2017	27,736	47.1	12,910	33.3	14,826	73.4
2018	26,991	46.8	12,493	32.8	14,498	74.0
2019	28,326	48.3	12,919	34.0	15,407	74.7

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, 2000-2019**



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, 2019**

COUNTY OF RESIDENCE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	28,326	48.3	12,919	34.0	15,407	74.7
Autauga	241	36.1	128	26.2	113	62.8
Baldwin	939	40.3	705	35.6	234	67.6
Barbour	193	69.7	54	46.6	139	86.3
Bibb	112	45.5	73	37.4	39	76.5
Blount	202	31.4	196	31.2	6	37.5
Bullock	98	72.1	5	21.7	93	82.3
Butler	143	65.0	37	44.6	106	77.4
Calhoun	744	53.8	448	45.0	296	76.7
Chambers	243	64.1	88	43.3	155	88.1
Cherokee	118	48.2	111	47.2	7	70.0
Chilton	268	45.7	222	42.1	46	78.0
Choctaw	87	57.2	37	42.0	50	78.1
Clarke	174	57.2	59	35.3	115	83.9
Clay	58	38.9	41	32.8	17	70.8
Cleburne	57	36.8	55	36.4	2	50.0
Coffee	273	41.3	158	32.3	115	66.9
Colbert	297	47.3	193	40.1	104	70.7
Conecuh	94	66.2	29	42.6	65	87.8
Coosa	39	51.3	23	39.7	16	88.9
Covington	208	49.4	149	42.6	59	83.1
Crenshaw	86	55.1	45	44.1	41	75.9
Cullman	341	35.5	332	35.4	9	42.9
Dale	283	42.4	137	29.3	146	73.0
Dallas	356	76.9	40	40.0	316	87.1
DeKalb	317	39.8	282	39.0	35	47.9
Elmore	438	46.3	242	36.1	196	70.8
Escambia	251	55.9	130	44.4	121	77.6
Etowah	624	50.5	386	41.9	238	76.0
Fayette	87	44.2	70	39.3	17	89.5
Franklin	204	48.0	172	46.1	32	61.5
Geneva	136	50.2	108	46.2	28	75.7
Greene	66	76.7	1	14.3	65	82.3
Hale	127	65.8	21	30.9	106	84.8
Henry	94	52.5	58	43.0	36	81.8
Houston	698	52.2	293	36.3	405	76.6
Jackson	228	41.9	197	40.2	31	57.4
Jefferson	4,148	48.9	1,056	24.2	3,092	75.3
Lamar	54	44.3	45	40.9	9	75.0
Lauderdale	408	42.1	307	37.4	101	68.2
Lawrence	149	42.0	111	35.9	38	82.6
Lee	729	38.6	343	27.0	386	62.4
Limestone	344	35.1	291	33.6	53	46.1
Lowndes	115	79.9	8	33.3	107	89.2
Macon	129	83.2	8	38.1	121	90.3
Madison	1,646	38.6	678	24.6	968	64.5
Marengo	137	60.1	31	28.4	106	89.1
Marion	122	35.3	112	33.8	10	66.7
Marshall	618	43.6	484	41.4	134	54.3
Mobile	3,194	59.5	1,109	40.5	2,085	79.2
Monroe	163	69.7	61	53.0	102	85.7
Montgomery	2,035	64.3	253	28.9	1,782	77.7
Morgan	665	46.4	476	40.3	189	75.3
Perry	90	84.9	7	46.7	83	91.2
Pickens	118	63.1	34	36.2	84	90.3
Pike	221	57.6	63	33.0	158	81.9
Randolph	135	55.3	90	47.4	45	83.3
Russell	438	53.0	161	37.4	277	69.8
St. Clair	371	36.3	308	34.3	63	51.2
Shelby	598	27.1	414	22.9	184	46.6
Sumter	100	74.6	5	19.2	95	88.0
Talladega	510	59.0	239	43.5	271	85.8
Tallapoosa	255	63.8	115	46.4	140	92.1
Tuscaloosa	1,337	50.9	403	28.9	934	75.7
Walker	309	38.7	260	36.0	49	63.6
Washington	82	47.1	41	35.0	41	71.9
Wilcox	111	75.5	13	38.2	98	86.7
Winston	71	32.1	68	31.3	3	75.0

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

TABLE 9
BIRTHS BY LIVE BIRTH ORDER, RACE AND AGE GROUP OF MOTHER
ALABAMA, 2019

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	58,615	47	3,955	15,278	18,661	13,777	5,783	1,113	1
White	37,985	23	2,230	9,313	12,138	9,698	3,862	720	1
Black and Other	20,630	24	1,725	5,965	6,523	4,079	1,921	393	0
FIRST	21,933	46	3,308	7,897	6,196	3,314	985	186	1
White	14,559	22	1,879	4,914	4,457	2,486	682	118	1
Black and Other	7,374	24	1,429	2,983	1,739	828	303	68	0
SECOND	18,596	1	577	4,927	6,386	4,733	1,698	274	0
White	12,487	1	318	3,048	4,233	3,559	1,159	169	0
Black and Other	6,109	0	259	1,879	2,153	1,174	539	105	0
THIRD	10,551	0	60	1,815	3,820	3,162	1,452	242	0
White	6,678	0	28	1,017	2,306	2,173	998	156	0
Black and Other	3,873	0	32	798	1,514	989	454	86	0
FOURTH	4,456	0	9	501	1,475	1,500	821	150	0
White	2,649	0	4	262	787	945	549	102	0
Black and Other	1,807	0	5	239	688	555	272	48	0
FIFTH AND ABOVE	3,012	0	1	125	754	1,051	820	261	0
White	1,565	0	1	62	333	523	471	175	0
Black and Other	1,447	0	0	63	421	528	349	86	0
NOT STATED	67	0	0	13	30	17	7	0	0
White	47	0	0	10	22	12	3	0	0
Black and Other	20	0	0	3	8	5	4	0	0

TABLE 10
BIRTHS BY TRIMESTER PRENATAL CARE BEGAN AND PERCENT¹ PRENATAL CARE BEGAN
IN FIRST TRIMESTER BY COUNTY OF RESIDENCE
ALABAMA, 2019

COUNTY OF RESIDENCE	TOTAL	NO PRENATAL CARE	PERCENT ¹ FIRST TRIMESTER	FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER	NOT STATED ²
TOTAL	58,615	1,478	65.7	38,186	14,975	3,502	474
Autauga	668	3	68.0	452	164	46	3
Baldwin	2,330	15	71.3	1,655	513	139	8
Barbour	277	10	65.3	175	65	18	9
Bibb	246	4	56.7	139	86	16	1
Blount	645	16	69.4	444	160	20	5
Bullock	136	1	57.4	78	44	13	0
Butler	220	1	70.3	154	54	10	1
Calhoun	1,383	20	70.6	975	319	67	2
Chambers	379	6	67.9	256	87	28	2
Cherokee	245	4	69.5	169	57	13	2
Chilton	586	10	67.9	395	150	27	4
Choctaw	152	3	69.3	104	37	6	2
Clarke	304	1	75.0	228	60	15	0
Clay	149	1	76.5	114	31	3	0
Cleburne	155	2	66.2	102	41	9	1
Coffee	661	12	62.7	414	165	69	1
Colbert	628	6	64.2	402	175	43	2
Conecuh	142	1	72.5	103	29	9	0
Coosa	76	1	75.0	57	16	2	0
Covington	421	8	68.8	289	104	19	1
Crenshaw	156	3	70.3	109	33	10	1
Cullman	960	12	65.4	625	256	63	4
Dale	668	9	65.8	439	154	65	1
Dallas	463	7	52.5	242	167	45	2
DeKalb	797	59	59.4	463	202	55	18
Elmore	947	9	68.0	643	237	56	2
Escambia	449	5	75.1	334	96	10	4
Etowah	1,236	41	60.0	741	382	71	1
Fayette	197	4	53.6	105	75	12	1
Franklin	426	12	46.0	195	137	80	2
Geneva	271	4	73.0	197	54	15	1
Greene	86	4	34.9	30	38	14	0
Hale	193	3	49.2	95	82	13	0
Henry	179	2	75.8	135	34	7	1
Houston	1,336	17	74.2	989	245	82	3
Jackson	544	10	72.5	390	109	29	6
Jefferson	8,481	142	64.2	5,411	2,335	537	56
Lamar	122	6	54.9	67	42	7	0
Lauderdale	968	8	57.3	554	306	98	2
Lawrence	355	7	65.8	233	92	22	1
Lee	1,891	16	78.4	1,441	300	82	52
Limestone	981	20	69.2	673	212	67	9
Lowndes	144	2	59.7	86	43	13	0
Macon	155	3	70.3	109	32	11	0
Madison	4,260	103	64.9	2,717	1,130	237	73
Marengo	229	7	67.4	153	59	8	2
Marion	346	4	63.4	218	93	29	2
Marshall	1,418	258	50.1	705	360	85	10
Mobile	5,371	64	76.2	4,084	1,023	187	13
Monroe	234	2	81.2	190	30	12	0
Montgomery	3,167	121	56.5	1,786	989	265	6
Morgan	1,435	94	57.2	809	402	110	20
Perry	106	6	48.1	51	42	7	0
Pickens	187	7	54.3	101	61	17	1
Pike	384	7	72.4	278	80	19	0
Randolph	244	6	61.6	149	76	11	2
Russell	829	27	77.9	576	118	18	90
St. Clair	1,021	15	68.3	693	270	37	6
Shelby	2,206	13	71.8	1,579	511	97	6
Sumter	134	3	62.6	82	38	8	3
Talladega	865	8	61.6	532	267	56	2
Tallapoosa	400	3	71.0	284	97	16	0
Tuscaloosa	2,630	176	48.5	1,266	993	173	22
Walker	799	18	66.9	532	193	52	4
Washington	174	1	86.2	150	20	3	0
Wilcox	147	2	51.7	76	61	8	0
Winston	221	3	74.5	164	42	11	1

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

² Includes unknown and missing data.

**TABLE 11
BIRTHS AND PERCENT¹ OF BIRTHS BY THE ADEQUACY OF PRENATAL CARE AND COUNTY OF RESIDENCE
ALABAMA, 2019**

COUNTY OF RESIDENCE	TOTAL	ADEQUATE PLUS	PERCENT ¹ ADEQUATE PLUS	ADEQUATE	PERCENT ¹ ADEQUATE	INTER-MEDIATE	PERCENT ¹ INTER-MEDIATE	INADEQUATE	PERCENT ¹ INADEQUATE	UNKNOWN
TOTAL	58,615	21,012	37.2	20,407	36.1	4,439	7.9	10,676	18.9	2,081
Autauga	668	283	42.8	231	34.9	20	3.0	127	19.2	7
Baldwin	2,330	982	42.7	749	32.6	184	8.0	386	16.8	29
Barbour	277	73	28.3	114	44.2	15	5.8	56	21.7	19
Bibb	246	94	39.2	64	26.7	23	9.6	59	24.6	6
Blount	645	207	33.2	277	44.4	53	8.5	87	13.9	21
Bullock	136	56	41.5	38	28.1	3	2.2	38	28.1	1
Butler	220	103	47.5	74	34.1	10	4.6	30	13.8	3
Calhoun	1,383	417	30.7	612	45.1	109	8.0	220	16.2	25
Chambers	379	174	46.9	100	27.0	15	4.0	82	22.1	8
Cherokee	245	81	33.9	99	41.4	19	7.9	40	16.7	6
Chilton	586	206	36.0	244	42.7	33	5.8	89	15.6	14
Choctaw	152	84	57.1	33	22.4	7	4.8	23	15.6	5
Clarke	304	167	55.1	89	29.4	8	2.6	39	12.9	1
Clay	149	62	41.9	50	33.8	17	11.5	19	12.8	1
Cleburne	155	46	30.3	62	40.8	21	13.8	23	15.1	3
Coffee	661	249	38.4	241	37.2	10	1.5	148	22.8	13
Colbert	628	265	42.8	211	34.1	24	3.9	119	19.2	9
Conecuh	142	58	42.0	43	31.2	8	5.8	29	21.0	4
Coosa	76	33	44.0	26	34.7	8	10.7	8	10.7	1
Covington	421	219	53.2	122	29.6	5	1.2	66	16.0	9
Crenshaw	156	70	46.1	52	34.2	7	4.6	23	15.1	4
Cullman	960	287	30.5	411	43.7	67	7.1	176	18.7	19
Dale	668	255	39.0	247	37.8	16	2.4	136	20.8	14
Dallas	463	180	39.7	131	28.9	22	4.9	120	26.5	10
DeKalb	797	285	39.7	248	34.6	34	4.7	150	20.9	80
Elmore	947	385	41.3	360	38.6	30	3.2	158	16.9	14
Escambia	449	185	42.1	169	38.5	25	5.7	60	13.7	10
Etowah	1,236	271	22.7	543	45.6	132	11.1	246	20.6	44
Fayette	197	70	36.6	53	27.7	22	11.5	46	24.1	6
Franklin	426	140	34.4	102	25.1	11	2.7	154	37.8	19
Geneva	271	98	36.8	118	44.4	8	3.0	42	15.8	5
Greene	86	21	26.6	7	8.9	9	11.4	42	53.2	7
Hale	193	54	28.4	54	28.4	36	18.9	46	24.2	3
Henry	179	74	42.0	73	41.5	2	1.1	27	15.3	3

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

TABLE 11 (Continued)
BIRTHS AND PERCENT¹ OF BIRTHS BY THE ADEQUACY OF PRENATAL CARE AND COUNTY OF RESIDENCE
ALABAMA, 2019

COUNTY OF RESIDENCE	TOTAL	ADEQUATE PLUS	PERCENT ¹ ADEQUATE PLUS	ADEQUATE	PERCENT ¹ ADEQUATE	INTER-MEDIATE	PERCENT ¹ INTER-MEDIATE	INADEQUATE	PERCENT ¹ INADEQUATE	UNKNOWN
TOTAL	58,615	21,012	37.2	20,407	36.1	4,439	7.9	10,676	18.9	2,081
Houston	1,336	563	43.0	492	37.6	47	3.6	208	15.9	26
Jackson	544	231	43.8	197	37.4	24	4.6	75	14.2	17
Jefferson	8,481	2,602	31.5	3,078	37.2	875	10.6	1709	20.7	217
Lamar	122	52	44.8	28	24.1	10	8.6	26	22.4	6
Lauderdale	968	414	43.4	266	27.9	31	3.2	244	25.5	13
Lawrence	355	163	47.0	113	32.6	9	2.6	62	17.9	8
Lee	1,891	1,026	56.5	482	26.6	77	4.2	230	12.7	76
Limestone	981	370	39.1	355	37.5	55	5.8	166	17.5	35
Lowndes	144	62	44.0	37	26.2	5	3.5	37	26.2	3
Macon	155	74	48.7	38	25.0	8	5.3	32	21.1	3
Madison	4,260	1,410	34.6	1,468	36.0	438	10.7	762	18.7	182
Marengo	229	92	41.8	67	30.5	31	14.1	30	13.6	9
Marion	346	126	37.1	138	40.6	17	5.0	59	17.4	6
Marshall	1,418	472	41.1	340	29.6	85	7.4	252	21.9	269
Mobile	5,371	2,041	38.6	2,062	39.0	490	9.3	695	13.1	83
Monroe	234	128	55.2	74	31.9	8	3.4	22	9.5	2
Montgomery	3,167	1,109	36.6	1,047	34.6	135	4.5	739	24.4	137
Morgan	1,435	502	38.0	382	28.9	111	8.4	325	24.6	115
Perry	106	30	30.0	32	32.0	5	5.0	33	33.0	6
Pickens	187	65	36.5	53	29.8	20	11.2	40	22.5	9
Pike	384	148	39.4	163	43.4	10	2.7	55	14.6	8
Randolph	244	76	32.3	89	37.9	17	7.2	53	22.6	9
Russell	829	256	36.1	303	42.7	68	9.6	83	11.7	119
St. Clair	1,021	318	31.9	430	43.2	83	8.3	165	16.6	25
Shelby	2,206	705	32.3	1,002	45.9	162	7.4	316	14.5	21
Sumter	134	60	46.9	34	26.6	12	9.4	22	17.2	6
Talladega	865	226	26.5	318	37.2	134	15.7	176	20.6	11
Tallapoosa	400	266	67.0	62	15.6	9	2.3	60	15.1	3
Tuscaloosa	2,630	727	30.0	647	26.7	389	16.0	664	27.4	203
Walker	799	256	33.0	343	44.3	36	4.6	140	18.1	24
Washington	174	87	50.3	65	37.6	11	6.4	10	5.8	1
Wilcox	147	56	38.6	46	31.7	2	1.4	41	28.3	2
Winston	221	65	30.0	109	50.2	12	5.5	31	14.3	4

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, 2019

RACE AND AGE GROUP OF MOTHER	TOTAL	ADEQUACY OF PRENATAL CARE				
		ADEQUATE PLUS	ADEQUATE	INTERMEDIATE	INADEQUATE	UNKNOWN
ALL RACES	58,615	21,012	20,407	4,439	10,676	2,081
Under 15	47	7	9	0	27	4
15-19	3,955	1,194	1,172	285	1,112	192
20-24	15,278	5,099	5,112	1,145	3,354	568
25-29	18,661	6,727	6,714	1,474	3,186	560
30-34	13,777	5,230	5,076	1,066	1,941	464
35-39	5,783	2,257	2,048	392	851	235
40-44	1,047	464	264	72	197	50
45+	66	34	12	5	8	7
Not stated	1	0	0	0	0	1
WHITE	37,985	13,691	14,219	2,810	6,041	1,224
Under 15	23	4	4	0	12	3
15-19	2,230	679	717	154	574	106
20-24	9,313	3,242	3,267	654	1,818	332
25-29	12,138	4,423	4,716	908	1,767	324
30-34	9,698	3,579	3,842	783	1,215	279
35-39	3,862	1,450	1,476	263	532	141
40-44	677	293	189	44	116	35
45+	43	21	8	4	7	3
Not stated	1	0	0	0	0	1
BLACK AND OTHER	20,630	7,321	6,188	1,629	4,635	857
Under 15	24	3	5	0	15	1
15-19	1,725	515	455	131	538	86
20-24	5,965	1,857	1,845	491	1,536	236
25-29	6,523	2,304	1,998	566	1,419	236
30-34	4,079	1,651	1,234	283	726	185
35-39	1,921	807	572	129	319	94
40-44	370	171	75	28	81	15
45+	23	13	4	1	1	4
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, 2019

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	58,615	47	925	3,030	15,278	18,661	13,777	5,783	1,047	66	1
White	37,985	23	501	1,729	9,313	12,138	9,698	3,862	677	43	1
Black and Other	20,630	24	424	1,301	5,965	6,523	4,079	1,921	370	23	0
LESS THAN 500 GRAMS	149	0	0	6	46	43	39	12	3	0	0
White	48	0	0	3	14	15	9	5	2	0	0
Black and Other	101	0	0	3	32	28	30	7	1	0	0
500-999 GRAMS	385	0	11	21	110	97	92	44	9	1	0
White	141	0	3	7	40	41	31	15	4	0	0
Black and Other	244	0	8	14	70	56	61	29	5	1	0
1,000-1,499 GRAMS	590	1	7	21	126	186	154	75	19	1	0
White	273	0	3	10	53	90	79	30	7	1	0
Black and Other	317	1	4	11	73	96	75	45	12	0	0
1,500-1,999 GRAMS	1,170	5	21	65	297	348	274	128	26	6	0
White	576	4	9	24	156	163	134	68	13	5	0
Black and Other	594	1	12	41	141	185	140	60	13	1	0
2,000-2,499 GRAMS	3,859	4	59	223	1,056	1,163	856	402	90	6	0
White	1,919	0	31	91	483	574	472	215	49	4	0
Black and Other	1,940	4	28	132	573	589	384	187	41	2	0
2,500-4,499 GRAMS	51,986	37	823	2,677	13,576	16,679	12,202	5,051	890	51	0
White	34,644	19	452	1,582	8,511	11,136	8,844	3,474	594	32	0
Black and Other	17,342	18	371	1,095	5,065	5,543	3,358	1,577	296	19	0
4,500 GRAMS AND OVER	468	0	3	15	67	144	159	70	9	1	0
White	380	0	3	11	56	118	129	55	7	1	0
Black and Other	88	0	0	4	11	26	30	15	2	0	0
NOT STATED	8	0	1	2	0	1	1	1	1	0	1
White	4	0	0	1	0	1	0	0	1	0	1
Black and Other	4	0	1	1	0	0	1	1	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, 1970-2019

YEAR	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
1970	6,045	9.0	3,119	6.9	2,926	13.3
1971	5,841	8.8	3,011	6.8	2,830	12.6
1972	5,373	8.7	2,590	6.5	2,783	12.9
1973	5,122	8.6	2,558	6.6	2,564	12.4
1974	5,031	8.5	2,423	6.3	2,608	12.6
1975	4,886	8.4	2,414	6.4	2,472	12.1
1976	4,753	8.2	2,366	6.3	2,387	11.7
1977	4,912	7.9	2,351	6.8	2,561	11.8
1978	5,042	8.4	2,405	6.2	2,637	12.3
1979	4,968	8.0	2,298	5.8	2,670	11.8
1980	4,985	7.9	2,273	5.6	2,712	11.9
1981	4,885	7.9	2,326	5.9	2,559	11.7
1982	4,755	7.9	2,228	5.7	2,527	11.8
1983	4,679	7.9	2,294	6.0	2,385	11.6
1984	4,687	7.9	2,176	5.7	2,511	12.0
1985	4,785	8.0	2,323	6.0	2,462	11.9
1986	4,767	8.0	2,317	6.0	2,450	11.8
1987	4,790	8.0	2,301	5.9	2,489	12.0
1988	4,880	8.0	2,330	6.0	2,550	11.8
1989	5,171	8.3	2,462	6.1	2,709	12.1
1990	5,331	8.4	2,546	6.2	2,785	12.5
1991	5,470	8.7	2,622	6.5	2,848	12.9
1992	5,275	8.5	2,476	6.2	2,799	12.7
1993	5,376	8.7	2,663	6.7	2,713	12.5
1994	5,533	9.1	2,738	6.9	2,795	13.1
1995	5,448	9.0	2,815	7.1	2,633	12.8
1996	5,635	9.3	2,909	7.3	2,726	13.2
1997	5,639	9.3	2,993	7.4	2,646	12.9
1998	5,748	9.3	3,031	7.3	2,717	13.2
1999	5,800	9.3	3,049	7.3	2,751	13.5
2000	6,154	9.7	3,242	7.7	2,912	13.7
2001	5,815	9.6	3,067	7.6	2,748	13.9
2002	5,844	9.9	3,151	7.9	2,693	14.2
2003	5,932	10.0	3,275	8.1	2,657	14.2
2004	6,204	10.3	3,383	8.4	2,821	14.8
2005	6,428	10.7	3,527	8.6	2,901	15.0
2006	6,616	10.5	3,523	8.3	3,093	15.1
2007	6,695	10.4	3,535	8.2	3,160	14.9
2008	6,716	10.6	3,478	8.3	3,238	15.3
2009	6,472	10.4	3,436	8.2	3,036	14.8
2010	6,183	10.3	3,299	8.2	2,884	14.6
2011	5,908	10.0	3,071	7.7	2,837	14.5
2012	5,866	10.1	2,995	7.8	2,871	14.5
2013	5,824	10.0	3,072	8.0	2,752	14.1
2014	6,025	10.1	3,124	7.9	2,901	14.5
2015	6,227	10.4	3,163	8.0	3,064	15.3
2016	6,104	10.3	3,131	8.0	2,973	15.0
2017	6,052	10.3	3,017	7.8	3,035	15.0
2018	6,192	10.7	3,097	8.1	3,095	15.8
2019	6,153	10.5	2,957	7.8	3,196	15.5

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 1990-2019 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, 2019

COUNTY OF RESIDENCE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	6,153	10.5	2,957	7.8	3,196	15.5
Autauga	79	11.8	52	10.7	27	15.0
Baldwin	176	7.6	141	7.1	35	10.1
Barbour	24	8.7	6	5.2	18	11.2
Bibb	27	11.0	20	10.3	7	13.7
Blount	42	6.5	40	6.4	2	12.5
Bullock	20	14.7	1	4.3	19	16.8
Butler	27	12.3	6	7.2	21	15.3
Calhoun	133	9.6	75	7.5	58	15.0
Chambers	59	15.6	25	12.3	34	19.3
Cherokee	24	9.8	24	10.2	0	0.0
Chilton	59	10.1	49	9.3	10	16.9
Choctaw	21	13.8	11	12.5	10	15.6
Clarke	36	11.8	16	9.6	20	14.6
Clay	7	4.7	4	3.2	3	12.5
Cleburne	12	7.7	11	7.3	1	25.0
Coffee	71	10.7	36	7.4	35	20.3
Colbert	71	11.3	44	9.1	27	18.4
Conecuh	23	16.2	5	7.4	18	24.3
Coosa	10	13.2	7	12.1	3	16.7
Covington	36	8.6	26	7.4	10	14.1
Crenshaw	13	8.3	4	3.9	9	16.7
Cullman	73	7.6	72	7.7	1	4.8
Dale	54	8.1	30	6.4	24	12.0
Dallas	64	13.8	5	5.0	59	16.3
DeKalb	76	9.5	68	9.4	8	11.0
Elmore	111	11.7	61	9.1	50	18.1
Escambia	41	9.1	17	5.8	24	15.4
Etowah	117	9.5	76	8.2	41	13.1
Fayette	23	11.7	18	10.1	5	26.3
Franklin	33	7.7	32	8.6	1	1.9
Geneva	25	9.2	21	9.0	4	10.8
Greene	19	22.1	2	28.6	17	21.5
Hale	14	7.3	0	0.0	14	11.2
Henry	22	12.3	12	8.9	10	22.7
Houston	156	11.7	60	7.4	96	18.1
Jackson	46	8.5	41	8.4	5	9.3
Jefferson	928	10.9	302	6.9	626	15.2
Lamar	7	5.7	6	5.5	1	8.3
Lauderdale	97	10.0	72	8.8	25	16.9
Lawrence	27	7.6	19	6.1	8	17.4
Lee	185	9.8	102	8.0	83	13.4
Limestone	83	8.5	75	8.7	8	7.0
Lowndes	21	14.6	1	4.2	20	16.7
Macon	23	14.8	2	9.5	21	15.7
Madison	449	10.5	218	7.9	231	15.4
Marengo	29	12.7	9	8.2	20	16.8
Marion	31	9.0	25	7.6	6	40.0
Marshall	112	7.9	89	7.6	23	9.3
Mobile	646	12.0	221	8.1	425	16.2
Monroe	29	12.4	12	10.4	17	14.3
Montgomery	445	14.1	71	8.1	374	16.3
Morgan	121	8.4	88	7.4	33	13.1
Perry	18	17.0	0	0.0	18	19.8
Pickens	21	11.2	10	10.6	11	11.8
Pike	46	12.0	10	5.2	36	18.7
Randolph	24	9.8	10	5.3	14	25.9
Russell	94	11.4	39	9.1	55	13.8
St. Clair	81	7.9	57	6.3	24	19.5
Shelby	179	8.1	123	6.8	56	14.2
Sumter	21	15.7	0	0.0	21	19.4
Talladega	93	10.8	35	6.4	58	18.4
Tallapoosa	48	12.0	18	7.3	30	19.7
Tuscaloosa	288	11.0	102	7.3	186	15.1
Walker	104	13.0	93	12.9	11	14.3
Washington	16	9.2	6	5.1	10	17.5
Wilcox	23	15.6	5	14.7	18	15.9
Winston	20	9.0	19	8.8	1	25.0

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, 2019

RACE AND AGE GROUP OF MOTHER	TOTAL BIRTHS	LOW WEIGHT BIRTHS	PERCENT OF LOW WEIGHT BIRTHS	UNKNOWN/ NOT STATED
ALL RACES	58,615	6,153	10.5	8
Under 15	47	10	---	0
15-17	925	98	10.6	1
18-19	3,030	336	11.1	2
20-24	15,278	1,635	10.7	0
25-29	18,661	1,837	9.8	1
30-34	13,777	1,415	10.3	1
35-39	5,783	661	11.4	1
40-44	1,047	147	14.1	1
45+	66	14	21.2	0
Not stated	1	0	---	1
WHITE	37,985	2,957	7.8	4
Under 15	23	4	---	0
15-17	501	46	9.2	0
18-19	1,729	135	7.8	1
20-24	9,313	746	8.0	0
25-29	12,138	883	7.3	1
30-34	9,698	725	7.5	0
35-39	3,862	333	8.6	0
40-44	677	75	11.1	1
45+	43	10	---	0
Not stated	1	0	---	1
BLACK AND OTHER	20,630	3,196	15.5	4
Under 15	24	6	---	0
15-17	424	52	12.3	1
18-19	1,301	201	15.5	1
20-24	5,965	889	14.9	0
25-29	6,523	954	14.6	0
30-34	4,079	690	16.9	1
35-39	1,921	328	17.1	1
40-44	370	72	19.5	0
45+	23	4	---	0
Not stated	0	0	---	0

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

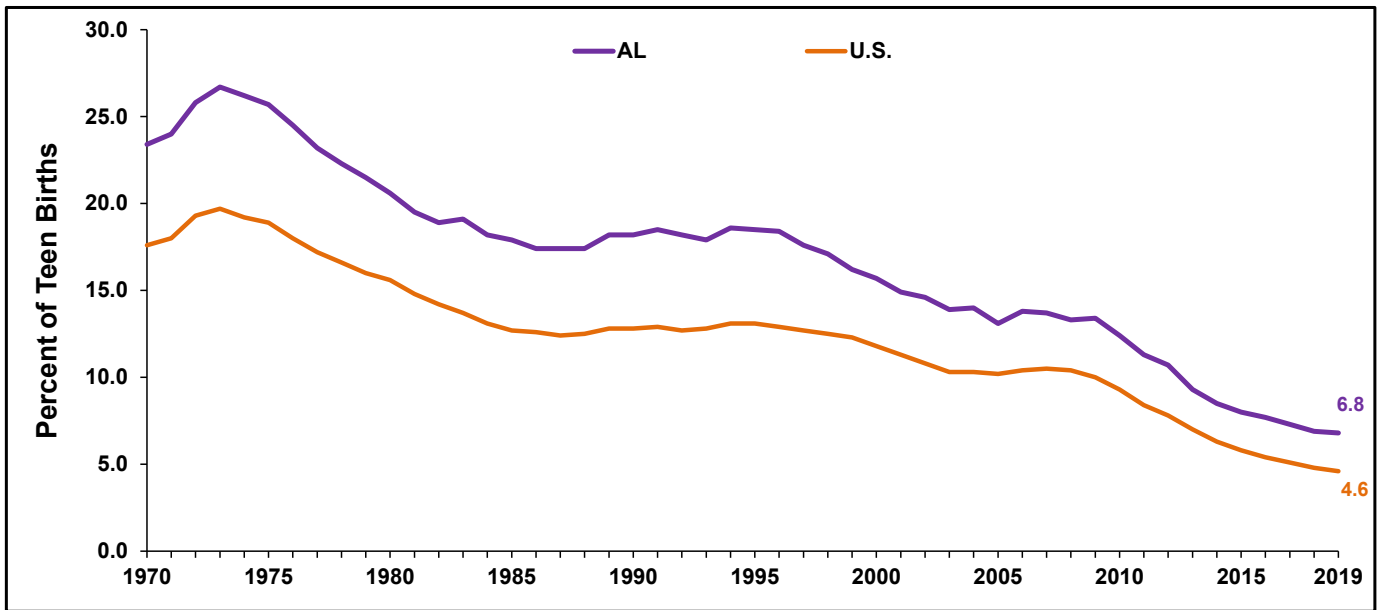
² Percentages were not calculated in instances where there were fewer than 50 live births in specified population group. Denominator includes only births with known birth weights.

TABLE 17
NUMBER AND PERCENT OF BIRTHS TO TEENAGE MOTHERS BY RACE¹
ALABAMA AND UNITED STATES, 1970-2019

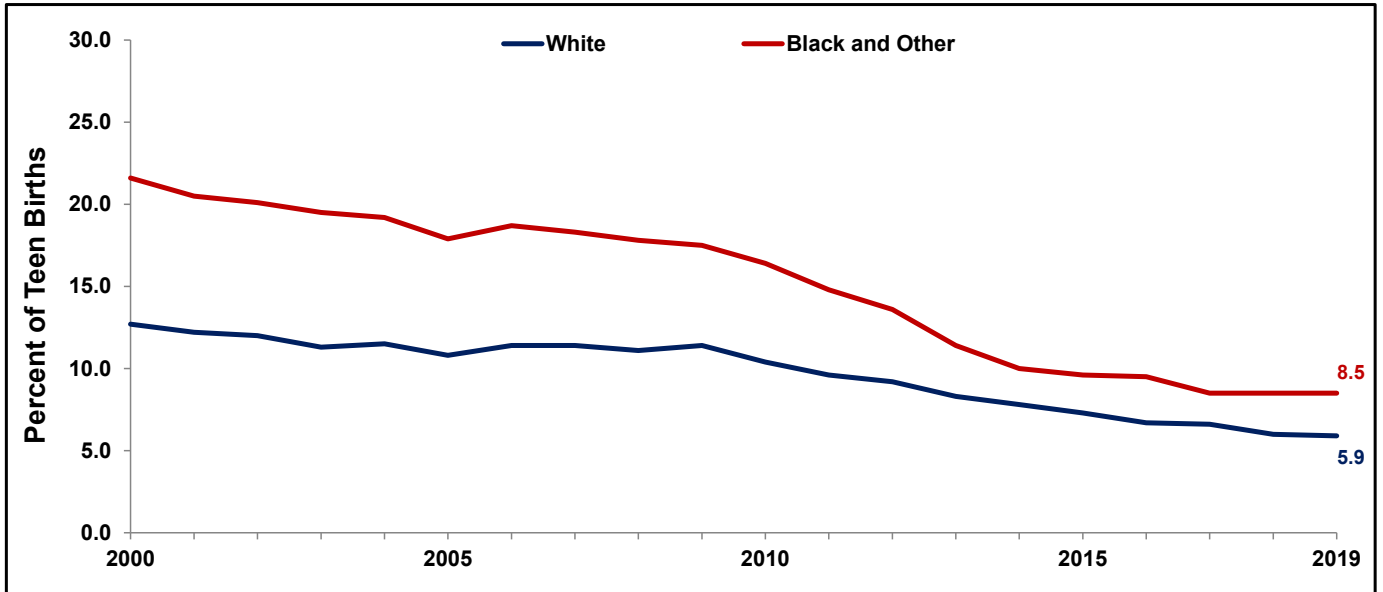
YEAR	TOTAL			WHITE		BLACK AND OTHER	
	ALABAMA		U.S.	ALABAMA		ALABAMA	
	NUMBER	PERCENT	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
1970	15,834	23.4	17.6	8,734	19.2	7,100	32.1
1971	15,990	24.0	18.0	8,568	19.4	7,422	32.9
1972	15,917	25.8	19.3	8,279	20.6	7,638	35.3
1973	15,895	26.7	19.7	8,338	21.5	7,557	36.6
1974	15,547	26.2	19.2	8,112	21.0	7,435	35.9
1975	14,906	25.7	18.9	7,737	20.6	7,169	35.2
1976	14,211	24.5	18.0	7,240	19.4	6,971	34.0
1977	14,357	23.2	17.2	7,420	18.4	6,937	32.1
1978	13,409	22.3	16.6	6,868	17.8	6,541	30.5
1979	13,427	21.5	16.0	6,758	17.0	6,669	29.4
1980	13,048	20.6	15.6	6,730	16.6	6,318	27.7
1981	11,976	19.5	14.8	6,229	15.7	5,747	26.3
1982	11,371	18.9	14.2	5,884	15.1	5,487	25.6
1983	11,262	19.1	13.7	5,789	15.1	5,473	26.6
1984	10,751	18.2	13.1	5,520	14.4	5,231	25.1
1985	10,689	17.9	12.7	5,625	14.4	5,064	24.6
1986	10,357	17.4	12.6	5,280	13.7	5,077	24.4
1987	10,354	17.4	12.4	5,283	13.6	5,071	24.5
1988	10,590	17.4	12.5	5,402	13.8	5,188	24.1
1989	11,405	18.2	12.8	5,613	14.0	5,792	25.8
1990	11,552	18.2	12.8	5,905	14.4	5,647	25.3
1991	11,600	18.5	12.9	5,769	14.2	5,831	26.3
1992	11,299	18.2	12.7	5,580	13.9	5,719	25.9
1993	11,019	17.9	12.8	5,433	13.6	5,586	25.7
1994	11,333	18.6	13.1	5,563	14.1	5,770	27.1
1995	11,175	18.5	13.1	5,674	14.3	5,501	26.7
1996	11,115	18.4	12.9	5,636	14.0	5,479	27.0
1997	10,724	17.6	12.7	5,547	13.7	5,177	25.3
1998	10,617	17.1	12.5	5,529	13.3	5,088	24.8
1999	10,069	16.2	12.3	5,373	12.9	4,696	23.0
2000	9,916	15.7	11.8	5,338	12.7	4,578	21.6
2001	8,993	14.9	11.3	4,920	12.2	4,073	20.5
2002	8,589	14.6	10.8	4,769	12.0	3,820	20.1
2003	8,248	13.9	10.3	4,596	11.3	3,652	19.5
2004	8,259	14.0	10.3	4,600	11.5	3,659	19.2
2005	7,903	13.1	10.2	4,434	10.8	3,469	17.9
2006	8,670	13.8	10.4	4,825	11.4	3,845	18.7
2007	8,776	13.7	10.5	4,899	11.4	3,877	18.3
2008	8,567	13.3	10.4	4,742	11.1	3,825	17.8
2009	8,365	13.4	10.0	4,769	11.4	3,596	17.5
2010	7,446	12.4	9.3	4,196	10.4	3,250	16.4
2011	6,697	11.3	8.4	3,799	9.6	2,898	14.8
2012	6,236	10.7	7.8	3,546	9.2	2,690	13.6
2013	5,420	9.3	7.0	3,194	8.3	2,226	11.4
2014	5,084	8.5	6.3	3,075	7.8	2,009	10.0
2015	4,790	8.0	5.8	2,876	7.3	1,914	9.6
2016	4,526	7.7	5.4	2,642	6.7	1,884	9.5
2017	4,285	7.3	5.1	2,569	6.6	1,716	8.5
2018	3,961	6.9	4.8	2,288	6.0	1,673	8.5
2019	4,002	6.8	4.6	2,253	5.9	1,749	8.5

¹ Data for 1970-1989 are by race of child. Data for 1990-2019 are by race of mother.

**FIGURE 5. PERCENT OF BIRTHS TO TEENAGE MOTHERS
ALABAMA AND UNITED STATES, 1970-2019**



**FIGURE 6. PERCENT OF BIRTHS TO TEENAGE MOTHERS BY RACE OF MOTHER
ALABAMA, 2000-2019**



**TABLE 18
NUMBER AND PERCENT¹ OF BIRTHS TO TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2019**

COUNTY OF RESIDENCE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	4,002	6.8	2,253	5.9	1,749	8.5
Autauga	30	4.5	23	4.7	7	3.9
Baldwin	138	5.9	106	5.3	32	9.2
Barbour	22	7.9	9	7.8	13	8.1
Bibb	15	6.1	9	4.6	6	11.8
Blount	44	6.8	42	6.7	2	12.5
Bullock	13	9.6	2	8.7	11	9.7
Butler	24	10.9	8	9.6	16	11.7
Calhoun	120	8.7	86	8.6	34	8.8
Chambers	29	7.7	12	5.9	17	9.7
Cherokee	20	8.2	20	8.5	0	0.0
Chilton	55	9.4	51	9.7	4	6.8
Choctaw	12	7.9	6	6.8	6	9.4
Clarke	27	8.9	11	6.6	16	11.7
Clay	11	7.4	10	8.0	1	4.2
Cleburne	12	7.7	12	7.9	0	0.0
Coffee	45	6.8	28	5.7	17	9.9
Colbert	47	7.5	36	7.5	11	7.5
Conecuh	13	9.2	5	7.4	8	10.8
Coosa	7	9.2	6	10.3	1	5.6
Covington	34	8.1	29	8.3	5	7.0
Crenshaw	14	9.0	7	6.9	7	13.0
Cullman	70	7.3	68	7.2	2	9.5
Dale	60	9.0	35	7.5	25	12.5
Dallas	45	9.7	9	9.0	36	9.9
DeKalb	67	8.4	65	9.0	2	2.7
Elmore	54	5.7	35	5.2	19	6.9
Escambia	40	8.9	28	9.6	12	7.7
Etowah	114	9.2	76	8.2	38	12.1
Fayette	19	9.6	17	9.6	2	10.5
Franklin	41	9.6	32	8.6	9	17.3
Geneva	27	10.0	22	9.4	5	13.5
Greene	13	15.1	2	28.6	11	13.9
Hale	11	5.7	3	4.4	8	6.4
Henry	12	6.7	6	4.4	6	13.6
Houston	100	7.5	48	5.9	52	9.8
Jackson	40	7.4	33	6.7	7	13.0
Jefferson	449	5.3	124	2.8	325	7.9
Lamar	10	8.2	10	9.1	0	0.0
Lauderdale	69	7.1	60	7.3	9	6.1
Lawrence	33	9.3	26	8.4	7	15.2
Lee	99	5.2	59	4.6	40	6.5
Limestone	66	6.7	56	6.5	10	8.7
Lowndes	6	4.2	1	4.2	5	4.2
Macon	15	9.7	0	0.0	15	11.2
Madison	205	4.8	94	3.4	111	7.4
Marengo	12	5.2	1	0.9	11	9.2
Marion	30	8.7	29	8.8	1	6.7
Marshall	123	8.7	97	8.3	26	10.5
Mobile	373	6.9	153	5.6	220	8.4
Monroe	29	12.4	14	12.2	15	12.6
Montgomery	258	8.1	51	5.8	207	9.0
Morgan	120	8.4	95	8.0	25	10.0
Perry	12	11.3	0	0.0	12	13.2
Pickens	15	8.0	5	5.3	10	10.8
Pike	31	8.1	7	3.7	24	12.4
Randolph	18	7.4	14	7.4	4	7.4
Russell	56	6.8	27	6.3	29	7.3
St. Clair	56	5.5	51	5.7	5	4.1
Shelby	71	3.2	55	3.0	16	4.1
Sumter	10	7.5	2	7.7	8	7.4
Talladega	62	7.2	31	5.6	31	9.8
Tallapoosa	16	4.0	9	3.6	7	4.6
Tuscaloosa	185	7.0	86	6.2	99	8.0
Walker	71	8.9	65	9.0	6	7.8
Washington	13	7.5	11	9.4	2	3.5
Wilcox	23	15.6	3	8.8	20	17.7
Winston	21	9.5	20	9.2	1	25.0

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, 2019**

COUNTY OF RESIDENCE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	4,002	13.0	2,253	11.4	1,749	15.9
Autauga	30	8.2	23	8.6	7	7.0
Baldwin	138	10.2	106	9.6	32	13.4
Barbour	22	15.7	9	14.5	13	16.7
Bibb	15	12.7	9	9.9	6	22.4
Blount	44	12.0	42	12.2	2	8.9
Bullock	13	25.0	2	20.4	11	26.0
Butler	24	21.4	8	16.4	16	25.2
Calhoun	120	17.0	86	17.8	34	15.3
Chambers	29	16.1	12	13.1	17	19.2
Cherokee	20	13.5	20	14.9	0	0.0
Chilton	55	18.7	51	20.3	4	9.2
Choctaw	12	17.8	6	16.3	6	19.5
Clarke	27	18.9	11	15.4	16	22.4
Clay	11	15.6	10	17.9	1	6.9
Cleburne	12	13.9	12	14.9	0	0.0
Coffee	45	13.2	28	11.0	17	19.5
Colbert	47	14.9	36	14.5	11	16.0
Conecuh	13	19.2	5	17.7	8	20.3
Coosa	7	14.4	6	19.7	1	5.5
Covington	34	16.0	29	16.7	5	12.8
Crenshaw	14	16.6	7	12.3	7	25.4
Cullman	70	14.2	68	14.5	2	8.1
Dale	60	21.2	35	18.3	25	27.1
Dallas	45	17.9	9	17.9	36	17.9
DeKalb	67	14.1	65	15.1	2	4.6
Elmore	54	10.6	35	9.6	19	13.1
Escambia	40	17.8	28	21.8	12	12.5
Etowah	114	19.2	76	16.7	38	27.3
Fayette	19	20.8	17	21.4	2	16.8
Franklin	41	20.2	32	17.3	9	52.0
Geneva	27	16.7	22	16.3	5	18.6
Greene	13	25.8	2	42.6	11	24.1
Hale	11	12.5	3	9.2	8	14.3
Henry	12	12.2	6	8.8	6	19.9
Houston	100	15.4	48	12.0	52	20.7
Jackson	40	13.5	33	12.4	7	23.5
Jefferson	449	10.9	124	6.4	325	15.0
Lamar	10	12.6	10	14.6	0	0.0
Lauderdale	69	12.1	60	12.9	9	8.7
Lawrence	33	16.6	26	17.7	7	13.7
Lee	99	8.5	59	7.4	40	11.1
Limestone	66	10.5	56	11.3	10	7.4
Lowndes	6	10.5	1	9.3	5	10.8
Macon	15	12.1	0	0.0	15	13.4
Madison	205	8.9	94	6.5	111	12.7
Marengo	12	10.1	1	2.1	11	15.3
Marion	30	17.9	29	18.5	1	9.3
Marshall	123	19.3	97	16.7	26	44.8
Mobile	373	14.3	153	11.1	220	17.8
Monroe	29	22.6	14	20.9	15	24.4
Montgomery	258	17.8	51	12.9	207	19.7
Morgan	120	16.2	95	16.2	25	16.1
Perry	12	18.8	0	0.0	12	25.7
Pickens	15	14.2	5	9.0	10	19.9
Pike	31	12.7	7	5.4	24	20.9
Randolph	18	13.4	14	14.5	4	10.8
Russell	56	15.8	27	17.9	29	14.2
St. Clair	56	10.6	51	11.3	5	6.7
Shelby	71	4.8	55	4.7	16	5.3
Sumter	10	11.6	2	9.0	8	12.6
Talladega	62	12.0	31	10.5	31	14.0
Tallapoosa	16	7.2	9	6.3	7	8.8
Tuscaloosa	185	12.6	86	9.6	99	17.5
Walker	71	19.3	65	20.1	6	13.5
Washington	13	12.9	11	17.7	2	5.2
Wilcox	23	32.1	3	21.4	20	34.7
Winston	21	15.5	20	15.7	1	12.3

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.

TABLE 20
NUMBER AND PERCENT¹ OF BIRTHS
TO UNMARRIED TEENAGE MOTHERS BY RACE²
ALABAMA AND UNITED STATES, 1970-2019³

YEAR	TOTAL			WHITE		BLACK AND OTHER	
	ALABAMA		U.S.	ALABAMA		ALABAMA	
	NUMBER	PERCENT	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
1970	5,147	32.7	30.5	815	9.4	4,332	61.2
1971	5,665	35.5	31.8	842	9.8	4,823	65.1
1972	5,858	36.8	33.8	852	10.3	5,006	65.5
1973	5,998	37.7	35.0	895	10.7	5,103	67.5
1974	6,087	39.2	36.4	935	11.5	5,152	69.3
1975	6,415	43.0	39.3	1,065	13.8	5,350	74.6
1976	6,469	45.5	41.2	1,039	14.4	5,430	76.6
1977	6,628	46.2	43.8	1,138	15.3	5,490	79.1
1978	6,447	48.1	44.9	1,131	16.5	5,316	81.3
1979	6,686	49.8	46.9	1,141	16.9	5,545	83.2
1980	6,491	49.8	48.3	1,198	17.8	5,293	83.8
1981	6,116	51.1	49.9	1,218	19.6	4,898	85.2
1982	5,935	52.2	51.4	1,177	20.0	4,758	86.7
1983	6,089	57.1	54.1	1,255	21.7	4,834	88.3
1984	5,902	54.9	56.3	1,248	22.6	4,654	89.0
1985	5,924	55.4	58.7	1,374	24.4	4,550	89.9
1986	6,034	58.3	61.5	1,438	27.2	4,596	90.5
1987	6,276	60.6	64.0	1,641	31.1	4,635	91.4
1988	6,461	61.0	65.9	1,715	31.8	4,746	91.5
1989	7,335	64.3	67.2	1,956	34.9	5,379	92.9
1990	7,289	63.1	67.6	2,032	34.4	5,257	93.1
1991	7,528	64.9	69.3	2,052	35.6	5,476	93.9
1992	7,530	66.6	70.5	2,138	38.3	5,392	94.3
1993	7,593	68.9	71.8	2,298	42.3	5,295	94.8
1994	7,930	70.0	75.9	2,430	43.7	5,500	95.3
1995	7,887	70.6	75.6	2,658	46.8	5,229	95.1
1996	7,819	70.3	76.3	2,623	46.5	5,196	94.8
1997	7,667	71.5	78.2	2,763	49.8	4,904	94.7
1998	7,604	71.6	78.9	2,768	50.1	4,836	95.0
1999	7,133	70.8	79.0	2,729	50.8	4,404	93.8
2000	7,064	71.2	79.1	2,761	51.7	4,303	94.0
2001	6,492	72.2	79.2	2,686	54.6	3,806	93.4
2002	6,268	73.0	80.2	2,663	55.8	3,605	94.4
2003	6,142	74.5	81.6	2,667	58.0	3,475	95.2
2004	6,196	75.0	82.6	2,709	58.9	3,487	95.3
2005	5,780	73.1	83.5	2,514	56.7	3,266	94.1
2006	6,405	73.9	84.4	2,821	58.5	3,584	93.2
2007	6,641	75.7	85.7	3,014	61.5	3,627	93.6
2008	6,699	78.2	86.8	3,062	64.6	3,637	95.1
2009	6,616	79.1	87.4	3,210	67.3	3,406	94.7
2010	6,135	82.4	88.2	2,997	71.4	3,138	96.6
2011	5,554	82.9	88.6	2,743	72.2	2,811	97.0
2012	5,202	83.4	88.8	2,623	74.0	2,579	95.9
2013	4,431	81.8	88.8	2,297	71.9	2,134	95.9
2014	4,259	83.8	88.7	2,322	75.5	1,937	96.4
2015	3,997	83.4	88.9	2,161	75.1	1,836	95.9
2016	3,878	85.7	89.2	2,061	78.0	1,817	96.4
2017	3,794	88.5	89.3	2,121	82.6	1,673	97.5
2018	3,512	88.7	89.9	1,888	82.5	1,624	97.1
2019	3,590	89.7	90.6	1,895	84.1	1,695	96.9

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 1990-2019 are by race of mother.

³ Data for 1970 are by occurrence. Data for 1971-2019 are by residence.

TABLE 21
NUMBER AND PERCENT¹ OF BIRTHS TO UNMARRIED TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2019

COUNTY OF RESIDENCE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	3,590	89.7	1,895	84.1	1,695	96.9
Autauga	27	90.0	20	87.0	7	100.0
Baldwin	128	92.8	98	92.5	30	93.8
Barbour	21	95.5	9	100.0	12	92.3
Bibb	12	80.0	6	66.7	6	100.0
Blount	32	72.7	31	73.8	1	50.0
Bullock	13	100.0	2	100.0	11	100.0
Butler	21	87.5	7	87.5	14	87.5
Calhoun	108	90.0	74	86.0	34	100.0
Chambers	28	96.6	11	91.7	17	100.0
Cherokee	17	85.0	17	85.0	0	---
Chilton	48	87.3	44	86.3	4	100.0
Choctaw	10	83.3	4	66.7	6	100.0
Clarke	26	96.3	10	90.9	16	100.0
Clay	10	90.9	9	90.0	1	100.0
Cleburne	10	83.3	10	83.3	0	---
Coffee	40	88.9	24	85.7	16	94.1
Colbert	40	85.1	30	83.3	10	90.9
Conecuh	12	92.3	4	80.0	8	100.0
Coosa	7	100.0	6	100.0	1	100.0
Covington	29	85.3	24	82.8	5	100.0
Crenshaw	14	100.0	7	100.0	7	100.0
Cullman	60	85.7	58	85.3	2	100.0
Dale	48	80.0	27	77.1	21	84.0
Dallas	43	95.6	7	77.8	36	100.0
DeKalb	55	82.1	54	83.1	1	50.0
Elmore	51	94.4	32	91.4	19	100.0
Escambia	40	100.0	28	100.0	12	100.0
Etowah	99	86.8	63	82.9	36	94.7
Fayette	11	57.9	9	52.9	2	100.0
Franklin	35	85.4	29	90.6	6	66.7
Geneva	22	81.5	18	81.8	4	80.0
Greene	10	76.9	0	0.0	10	90.9
Hale	10	90.9	2	66.7	8	100.0
Henry	12	100.0	6	100.0	6	100.0
Houston	90	90.0	38	79.2	52	100.0
Jackson	33	82.5	26	78.8	7	100.0
Jefferson	435	96.9	111	89.5	324	99.7
Lamar	8	80.0	8	80.0	0	---
Lauderdale	59	85.5	51	85.0	8	88.9
Lawrence	28	84.8	21	80.8	7	100.0
Lee	89	89.9	49	83.1	40	100.0
Limestone	56	84.8	47	83.9	9	90.0
Lowndes	5	83.3	0	0.0	5	100.0
Macon	15	100.0	0	---	15	100.0
Madison	186	90.7	80	85.1	106	95.5
Marengo	12	100.0	1	100.0	11	100.0
Marion	21	70.0	20	69.0	1	100.0
Marshall	98	79.7	79	81.4	19	73.1
Mobile	351	94.1	135	88.2	216	98.2
Monroe	27	93.1	12	85.7	15	100.0
Montgomery	246	95.3	42	82.4	204	98.6
Morgan	109	90.8	84	88.4	25	100.0
Perry	12	100.0	0	---	12	100.0
Pickens	13	86.7	4	80.0	9	90.0
Pike	29	93.5	5	71.4	24	100.0
Randolph	17	94.4	13	92.9	4	100.0
Russell	49	87.5	21	77.8	28	96.6
St. Clair	52	92.9	47	92.2	5	100.0
Shelby	62	87.3	47	85.5	15	93.8
Sumter	9	90.0	1	50.0	8	100.0
Talladega	54	87.1	24	77.4	30	96.8
Tallapoosa	16	100.0	9	100.0	7	100.0
Tuscaloosa	160	86.5	68	79.1	92	92.9
Walker	49	69.0	44	67.7	5	83.3
Washington	13	100.0	11	100.0	2	100.0
Wilcox	23	100.0	3	100.0	20	100.0
Winston	15	71.4	14	70.0	1	100.0

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

TABLE 22
FERTILITY RATES AND AGE-SPECIFIC BIRTH RATES¹
ALABAMA, 1970-2019

YEAR	TOTAL FERTILITY RATE	GENERAL FERTILITY RATE	AGE-SPECIFIC BIRTH RATES							
			10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	2,587.0	92.5	1.8	91.1	181.5	134.4	66.7	32.4	8.8	0.7
1971	2,463.5	90.0	2.0	90.4	174.3	124.3	63.8	29.1	8.2	0.6
1972	2,205.0	81.4	2.1	88.5	147.0	113.9	55.4	25.8	7.6	0.7
1973	2,051.0	76.7	2.4	86.8	133.7	106.5	51.8	22.8	5.8	0.4
1974	1,985.5	74.9	2.3	83.7	131.1	105.1	48.6	19.8	5.9	0.4
1975	1,884.5	71.6	2.3	79.0	124.4	101.2	45.3	19.2	5.2	0.3
1976	1,852.5	70.3	2.4	75.9	122.5	101.2	46.2	17.6	4.4	0.3
1977	1,948.5	73.8	2.5	77.4	130.2	107.2	49.1	18.1	4.9	0.3
1978	1,853.5	70.0	2.5	72.5	123.8	101.1	49.6	16.7	4.3	0.2
1979	1,864.5	70.4	2.3	72.1	124.1	103.6	49.9	16.6	4.2	0.1
1980	1,884.0	70.6	2.2	68.0	125.1	107.9	52.6	16.9	3.8	0.3
1981	1,795.0	66.3	1.7	62.5	119.5	105.1	50.7	16.1	3.1	0.3
1982	1,762.0	64.4	1.7	60.0	117.3	103.8	50.1	16.2	3.1	0.2
1983	1,727.5	62.4	1.7	60.2	113.0	102.0	48.8	16.7	2.9	0.2
1984	1,729.0	61.8	1.7	58.2	114.8	100.6	50.6	17.2	2.6	0.2
1985	1,746.0	61.8	1.9	58.5	115.7	101.9	51.4	17.0	2.6	0.2
1986	1,748.0	62.7	1.6	59.5	106.0	103.3	58.0	18.0	3.0	0.2
1987	1,748.0	62.1	2.0	57.9	104.6	103.7	60.2	18.2	2.9	0.1
1988	1,779.5	62.6	1.6	58.5	107.4	103.0	62.6	19.8	2.9	0.1
1989	1,827.0	63.7	1.8	61.7	109.9	104.6	63.4	20.5	3.4	0.1
1990	1,987.0	67.2	2.1	71.2	126.8	111.5	60.7	21.6	3.4	0.1
1991	1,973.0	66.2	2.2	75.3	122.9	109.6	60.5	20.9	3.1	0.1
1992	1,988.5	66.3	2.4	71.3	124.9	110.9	63.7	20.9	3.5	0.1
1993	1,987.9	65.9	2.6	70.2	124.0	109.1	65.6	22.3	3.6	0.2
1994	1,983.2	65.3	2.4	73.4	120.2	107.7	66.5	22.8	3.5	0.2
1995	1,982.5	65.0	2.3	73.1	118.3	106.6	68.9	23.3	3.9	0.1
1996	2,008.5	65.6	2.2	73.4	116.5	110.8	69.4	25.1	4.2	0.1
1997	2,040.5	66.5	1.9	71.4	118.6	115.4	70.6	26.1	4.0	0.1
1998	2,096.0	68.2	1.7	71.3	125.0	118.5	71.0	26.9	4.7	0.1
1999	2,115.0	68.7	1.6	67.8	129.0	118.1	73.6	28.0	4.7	0.2
2000	2,023.5	65.1	1.3	60.7	129.3	112.3	70.4	26.2	4.4	0.1
2001	1,926.0	62.2	1.2	54.8	122.4	105.2	70.6	26.1	4.7	0.2
2002	1,876.5	60.7	1.1	52.1	117.2	102.3	72.7	25.1	4.6	0.2
2003	1,910.5	62.3	1.1	52.2	113.9	107.7	74.7	27.4	4.9	0.2
2004	1,895.0	62.1	1.1	52.2	113.7	106.4	71.9	28.4	5.1	0.2
2005	1,928.0	63.3	1.0	49.6	119.1	107.0	74.0	29.4	5.3	0.2
2006	2,023.0	66.7	1.1	53.3	124.1	114.0	75.5	30.9	5.4	0.3
2007	2,054.0	68.1	0.9	53.8	126.0	114.4	78.0	31.9	5.6	0.2
2008	2,022.0	68.3	1.1	52.0	123.4	113.8	77.5	31.0	5.4	0.2
2009	1,957.5	65.7	1.1	50.7	115.4	111.2	77.7	29.5	5.7	0.2
2010	1,869.0	62.4	0.7	43.6	105.6	112.2	76.4	29.1	6.0	0.2
2011	1,835.5	61.8	0.6	40.5	100.9	111.4	77.1	30.3	5.9	0.3
2012	1,804.5	60.9	0.5	38.9	96.6	110.5	78.0	30.6	5.5	0.3
2013	1,793.0	60.6	0.4	34.1	97.9	110.8	78.5	31.1	5.5	0.3
2014	1,829.5	61.9	0.4	32.1	97.3	113.3	83.7	33.1	5.7	0.3
2015	1,833.5	62.2	0.3	30.1	98.2	112.5	84.8	34.6	5.9	0.3
2016	1,823.5	62.0	0.3	28.3	97.1	111.0	86.1	35.6	6.1	0.2
2017	1,821.0	62.0	0.3	27.0	96.7	110.1	86.9	36.4	6.5	0.3
2018	1,786.0	60.9	0.2	25.2	94.5	107.5	86.3	36.3	6.9	0.3
2019	1,819.0	61.7	0.3	25.6	95.1	110.1	87.3	36.9	7.0	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, 1970-2019

YEAR	TOTAL FERTILITY RATE	GENERAL FERTILITY RATE	AGE-SPECIFIC BIRTH RATES							
			10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	2,321.5	83.4	0.7	74.8	170.8	129.5	58.3	24.1	5.7	0.4
1971	2,196.0	79.8	0.8	72.3	164.7	119.7	54.5	21.6	5.3	0.3
1972	1,940.5	70.8	0.9	68.4	135.8	109.8	49.0	19.2	4.7	0.3
1973	1,821.5	67.0	0.9	67.7	122.4	105.2	46.7	17.4	3.8	0.2
1974	1,760.0	65.3	0.9	64.7	122.7	102.0	43.3	14.7	3.4	0.2
1975	1,668.5	62.2	0.9	60.7	115.6	97.6	41.5	14.1	3.1	0.2
1976	1,634.0	60.8	1.0	57.0	113.5	98.0	41.0	13.4	2.7	0.2
1977	1,730.0	64.2	1.1	58.7	119.4	104.7	45.2	13.6	3.1	0.2
1978	1,625.0	60.1	0.9	54.5	111.4	97.0	45.3	13.1	2.7	0.1
1979	1,627.0	60.1	0.8	53.1	112.3	99.0	45.0	12.8	2.4	--- ²
1980	1,691.5	61.9	0.8	52.4	116.5	105.5	47.5	13.1	2.3	0.2
1981	1,622.0	58.6	0.6	48.3	111.2	102.2	47.0	12.8	2.1	0.2
1982	1,592.0	56.9	0.6	46.2	108.7	101.1	46.3	13.5	1.9	0.1
1983	1,575.5	55.8	0.6	46.0	105.4	101.2	45.6	14.2	2.0	0.1
1984	1,568.0	55.0	0.6	44.5	105.2	98.4	47.7	15.2	1.9	0.1
1985	1,598.5	55.6	0.7	45.8	106.7	100.6	49.6	14.2	2.0	0.1
1986	1,616.0	56.4	0.6	45.1	100.7	104.6	54.2	15.5	2.4	0.1
1987	1,625.5	56.1	0.6	44.3	97.6	106.8	57.7	15.7	2.3	0.1
1988	1,639.5	56.1	0.5	44.7	98.2	105.3	59.8	17.2	2.2	--- ²
1989	1,679.5	56.9	0.5	45.7	100.5	108.2	60.5	17.7	2.7	0.1
1990	1,820.5	61.0	0.7	55.6	112.7	111.2	61.1	20.0	2.7	0.1
1991	1,814.5	60.4	0.8	57.6	109.8	111.1	61.1	19.9	2.5	0.1
1992	1,820.5	60.3	0.9	54.3	112.0	109.9	64.0	19.8	3.1	0.1
1993	1,827.6	60.2	1.0	53.7	111.5	108.6	66.2	21.3	3.0	0.1
1994	1,836.5	60.2	0.6	56.2	107.7	108.3	68.6	22.6	3.1	0.2
1995	1,862.5	60.8	0.8	57.9	107.6	108.1	71.7	22.9	3.4	0.1
1996	1,906.5	62.0	0.9	57.9	106.6	113.8	72.6	25.5	3.9	0.1
1997	1,941.5	62.9	0.6	57.7	107.1	119.0	73.6	26.5	3.7	0.1
1998	2,015.5	65.0	0.6	57.6	114.5	123.4	75.0	27.5	4.4	0.1
1999	2,047.0	65.9	0.7	55.9	118.6	123.0	77.6	28.9	4.6	0.1
2000	2,022.5	64.1	0.6	51.9	120.8	119.8	78.7	28.1	4.4	0.2
2001	1,957.0	62.1	0.6	47.7	116.9	113.6	80.0	27.8	4.5	0.3
2002	1,933.0	61.5	0.5	46.1	113.9	111.4	83.1	26.6	4.7	0.3
2003	1,971.5	63.3	0.5	45.9	109.6	119.2	84.5	29.5	4.9	0.2
2004	1,931.0	62.3	0.4	45.9	109.3	113.9	80.1	31.1	5.3	0.2
2005	1,971.5	63.6	0.4	43.9	114.8	115.1	82.4	32.2	5.2	0.3
2006	2,060.0	66.7	0.5	46.8	121.1	121.7	82.6	33.6	5.4	0.3
2007	2,091.0	68.1	0.4	47.6	122.7	121.5	86.0	34.0	5.8	0.2
2008	2,047.5	68.1	0.5	45.9	119.3	120.8	84.3	33.0	5.5	0.2
2009	2,005.5	66.3	0.6	46.0	112.0	120.1	85.2	31.1	5.8	0.3
2010	1,997.5	65.4	0.4	40.1	105.5	126.4	89.1	31.7	6.1	0.2
2011	1,898.5	63.0	0.4	36.6	96.2	121.0	86.3	32.4	6.5	0.3
2012	1,845.5	61.5	0.3	35.1	91.3	118.4	86.3	32.1	5.3	0.3
2013	1,844.5	61.5	0.3	31.8	93.0	118.0	86.7	33.2	5.5	0.4
2014	1,885.5	63.0	0.3	30.6	93.7	119.9	92.1	34.7	5.5	0.3
2015	1,897.0	63.7	0.2	28.5	94.1	119.8	93.8	36.9	5.8	0.3
2016	1,888.5	63.7	0.2	26.0	94.8	117.3	95.3	37.7	6.2	0.2
2017	1,866.5	63.1	0.2	25.4	92.6	114.8	95.8	37.7	6.5	0.3
2018	1,842.0	62.3	0.2	22.8	92.7	114.1	93.2	38.3	6.7	0.4
2019	1,832.5	62.0	0.2	22.5	91.9	112.8	94.3	37.6	6.8	0.4

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

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

TABLE 24
FERTILITY RATES AND AGE-SPECIFIC BIRTH RATES¹ FOR BLACK AND OTHER FEMALES
ALABAMA, 1970-2019

YEAR	TOTAL FERTILITY RATE	GENERAL FERTILITY RATE	AGE-SPECIFIC BIRTH RATES							
			10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	3,329.5	118.6	3.9	123.9	210.1	151.3	96.8	60.0	18.5	1.4
1971	3,233.5	120.0	4.4	128.6	202.5	140.9	96.8	54.6	17.3	1.6
1972	2,944.5	112.6	4.7	131.0	178.4	128.7	78.6	48.6	17.0	1.9
1973	2,675.0	105.3	5.4	127.7	164.4	111.1	70.8	42.1	12.6	0.9
1974	2,606.0	103.2	5.3	124.6	153.4	116.2	68.4	38.1	14.0	1.2
1975	2,481.5	99.4	5.3	119.0	146.7	113.9	60.1	38.4	12.1	0.8
1976	2,454.0	98.2	5.5	117.4	145.1	111.8	66.1	33.5	10.5	0.9
1977	2,543.5	102.1	5.4	118.9	157.6	115.2	63.8	35.8	11.2	0.8
1978	2,477.0	99.5	5.9	113.1	155.4	113.2	66.1	31.0	10.3	0.4
1979	2,508.5	100.7	5.5	114.7	153.5	116.8	67.7	32.1	10.9	0.5
1980	2,379.5	94.3	5.3	101.3	145.1	114.1	69.4	31.0	9.2	0.5
1981	2,228.0	87.3	3.9	92.7	139.1	112.7	62.3	27.6	6.8	0.5
1982	2,183.0	84.4	4.0	89.6	137.4	111.0	61.8	25.2	7.2	0.4
1983	2,095.5	80.2	4.0	90.6	130.7	103.9	58.4	25.0	6.1	0.4
1984	2,118.0	80.1	4.0	87.8	137.6	106.3	59.0	23.4	5.2	0.3
1985	2,098.5	78.3	4.4	85.8	137.0	105.4	56.5	25.6	4.5	0.5
1986	2,065.0	79.3	3.8	90.5	117.4	100.0	69.0	26.5	5.2	0.6
1987	2,034.5	77.5	4.9	86.7	119.7	96.4	67.4	26.5	5.1	0.2
1988	2,101.5	79.2	3.7	87.8	127.1	97.8	70.3	28.0	5.4	0.2
1989	2,167.5	81.0	4.4	95.3	130.4	96.2	71.5	29.4	5.9	0.4
1990	2,352.5	82.6	4.8	102.1	160.3	112.1	59.6	25.9	5.5	0.2
1991	2,304.0	80.6	4.8	109.5	153.4	105.8	59.0	23.2	5.0	0.1
1992	2,345.5	81.1	5.1	104.2	154.0	113.7	63.1	23.9	4.9	0.2
1993	2,317.6	79.6	5.7	101.5	151.6	110.5	64.0	24.6	5.2	0.4
1994	2,267.8	77.7	5.6	105.6	147.2	106.3	60.9	23.2	4.6	0.2
1995	2,208.5	75.2	5.0	101.6	140.8	102.9	61.5	24.2	5.5	0.2
1996	2,184.5	74.3	4.7	102.1	137.3	102.9	60.7	24.3	4.8	0.1
1997	2,211.0	75.0	4.4	97.2	142.1	106.1	62.5	25.0	4.7	0.2
1998	2,221.0	75.5	3.7	96.8	146.3	106.3	60.2	25.4	5.3	0.2
1999	2,213.0	75.3	3.3	90.2	149.7	106.3	62.5	25.6	4.9	0.1
2000	1,987.5	67.2	2.5	75.8	144.5	96.8	51.7	21.8	4.3	0.1
2001	1,834.5	62.2	2.2	67.1	132.2	88.3	49.7	22.2	5.0	0.2
2002	1,739.5	59.2	2.1	62.5	122.9	84.6	50.1	21.4	4.2	0.1
2003	1,763.5	60.4	2.1	63.4	121.8	85.2	52.6	22.4	5.0	0.2
2004	1,797.0	61.6	2.2	63.5	121.8	91.5	53.6	22.0	4.5	0.3
2005	1,819.5	62.6	2.0	59.9	127.1	91.0	55.6	22.7	5.4	0.2
2006	1,927.5	66.6	2.0	65.0	129.5	98.9	60.0	24.6	5.3	0.2
2007	1,961.0	68.1	1.8	64.4	132.1	100.7	61.2	26.9	4.9	0.2
2008	1,949.5	68.7	2.0	62.5	130.7	100.2	62.9	26.2	5.2	0.2
2009	1,849.5	64.6	1.9	58.7	121.4	94.0	62.3	26.0	5.5	0.1
2010	1,646.0	57.2	1.2	49.1	105.7	88.5	54.5	24.1	5.9	0.2
2011	1,706.5	59.4	1.0	47.0	109.0	93.1	59.7	26.0	5.1	0.4
2012	1,720.5	58.9	0.9	45.3	106.0	95.7	62.4	27.5	6.0	0.3
2013	1,692.5	58.9	0.7	38.1	106.3	97.2	63.3	26.9	5.7	0.3
2014	1,720.2	59.2	0.6	34.7	103.5	101.2	67.7	29.9	6.2	0.2
2015	1,709.0	59.4	0.6	33.0	105.1	98.9	67.7	30.1	6.1	0.3
2016	1,699.5	58.9	0.5	32.5	100.9	99.5	68.8	31.6	5.9	0.2
2017	1,730.5	60.0	0.4	29.7	103.4	101.9	70.1	33.8	6.6	0.2
2018	1,684.0	58.3	0.4	29.4	97.5	95.9	73.5	32.6	7.2	0.3
2019	1,774.0	61.4	0.4	31.1	100.5	105.5	74.1	35.4	7.4	0.4

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

TABLE 25
ESTIMATED PREGNANCIES¹, PREGNANCY RATES² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2019

COUNTY OF RESIDENCE	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	78,630	82.8	58,615	7,538	12,477	48,331	78.8	37,985	2,499	7,847	30,299	90.1	20,630	5,039	4,630
Autauga	897	82.2	668	87	142	626	78.7	488	37	101	271	91.6	180	50	41
Baldwin	2,947	76.4	2,330	137	480	2,478	76.1	1,984	88	406	469	78.0	346	49	74
Barbour	375	100.2	277	39	59	144	90.5	116	4	24	232	107.2	161	35	36
Bibb	305	81.5	246	9	50	243	81.3	195	8	40	62	82.0	51	1	10
Blount	808	78.7	645	31	132	786	80.0	629	28	129	23	51.4	16	3	4
Bullock	200	124.7	136	33	31	32	101.6	23	4	5	168	130.4	113	29	26
Butler	298	83.9	220	31	47	106	70.0	83	6	17	192	94.2	137	25	30
Calhoun	1,851	84.2	1,383	174	294	1,275	81.4	997	71	207	577	91.0	386	103	88
Chambers	524	89.5	379	63	82	268	88.6	203	22	43	256	90.6	176	41	39
Cherokee	306	73.9	245	11	50	294	76.1	235	11	48	12	43.3	10	0	2
Chilton	740	90.1	586	33	121	654	92.3	527	20	107	85	75.9	59	13	13
Choctaw	193	92.8	152	10	31	106	92.6	88	0	18	88	93.0	64	10	14
Clarke	389	90.6	304	22	63	209	101.9	167	8	34	180	80.3	137	14	29
Clay	192	84.9	149	12	31	157	83.5	125	6	26	35	91.7	24	6	5
Cleburne	195	78.9	155	8	32	189	80.4	151	7	31	6	48.8	4	1	1
Coffee	832	86.1	661	35	136	608	85.7	489	19	100	224	87.2	172	16	36
Colbert	813	81.6	628	54	131	611	78.5	481	31	99	202	92.6	147	23	32
Conecuh	183	91.2	142	11	30	85	95.4	68	3	14	98	87.8	74	8	16
Coosa	99	64.4	76	7	16	73	72.1	58	3	12	26	49.5	18	4	4
Covington	529	84.9	421	22	86	431	84.1	350	10	71	98	88.8	71	12	15
Crenshaw	199	82.9	156	11	32	126	76.5	102	3	21	74	97.0	54	8	12
Cullman	1,203	80.3	960	46	197	1,174	82.2	939	43	192	29	41.2	21	3	5
Dale	840	89.7	668	35	137	573	88.8	468	10	95	268	91.7	200	25	43
Dallas	650	93.0	463	86	101	126	84.6	100	5	21	525	95.2	363	81	81
DeKalb	997	78.1	797	37	163	905	77.1	724	33	148	92	90.7	73	4	15
Elmore	1,246	76.9	947	100	199	854	72.9	670	45	139	393	87.3	277	55	61
Escambia	580	92.5	449	37	94	368	98.8	293	15	60	211	83.2	156	22	33
Etowah	1,621	87.3	1,236	125	260	1,159	80.6	923	47	189	461	110.5	313	78	70
Fayette	254	93.5	197	16	41	226	96.6	178	11	37	28	74.5	19	5	4
Franklin	529	96.9	426	16	87	459	91.6	374	9	76	70	155.1	52	7	11
Geneva	332	74.7	271	6	55	285	74.8	234	4	47	47	74.6	37	2	8
Greene	127	93.5	86	22	19	8	51.9	7	0	1	119	99.1	79	22	18
Hale	275	101.8	193	39	43	93	98.0	68	10	15	182	103.8	125	29	28

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

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

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

TABLE 25 (Continued)
ESTIMATED PREGNANCIES¹, PREGNANCY RATES² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2019

COUNTY OF RESIDENCE	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	78,630	82.8	58,615	7,538	12,477	48,331	78.8	37,985	2,499	7,847	30,299	90.1	20,630	5,039	4,630
Henry	236	82.6	179	19	38	169	85.1	135	6	28	67	76.9	44	13	10
Houston	1,699	83.7	1,336	87	276	992	77.3	807	21	164	707	94.8	529	66	112
Jackson	691	77.3	544	35	112	616	75.5	490	25	101	76	95.2	54	10	12
Jefferson	11,914	87.9	8,481	1,579	1,854	5,682	85.0	4,372	396	914	6,232	90.6	4,109	1,183	940
Lamar	155	67.9	122	8	25	135	68.4	110	3	22	20	65.0	12	5	3
Lauderdale	1,251	71.0	968	81	202	1,041	70.3	820	52	169	210	74.7	148	29	33
Lawrence	465	82.1	355	35	75	390	90.1	309	17	64	75	56.1	46	18	11
Lee	2,620	67.4	1,891	319	410	1,665	61.1	1,272	126	267	955	82.2	619	193	143
Limestone	1,321	71.7	981	131	209	1,115	75.8	866	69	180	206	55.4	115	62	29
Lowndes	204	120.8	144	28	32	33	99.7	24	4	5	170	126.0	120	24	26
Macon	249	63.3	155	57	37	31	63.2	21	5	5	218	63.4	134	52	32
Madison	5,900	80.1	4,260	716	924	3,597	78.5	2,759	260	578	2,303	82.9	1,501	456	346
Marengo	301	88.5	229	24	48	138	98.5	110	5	23	164	81.5	119	19	26
Marion	436	87.8	346	19	71	410	87.6	331	12	67	26	90.8	15	7	4
Marshall	1,790	104.7	1,418	80	292	1,467	92.3	1,171	56	240	323	267.0	247	24	52
Mobile	7,078	85.4	5,371	575	1,132	3,423	76.0	2,740	123	560	3,654	96.6	2,631	452	571
Monroe	300	82.0	234	17	49	139	76.2	115	1	23	160	87.8	119	16	25
Montgomery	4,585	96.5	3,167	713	705	1,142	88.2	875	84	183	3,442	99.7	2,292	629	521
Morgan	1,865	87.3	1,435	130	300	1,510	88.7	1,184	81	245	355	81.9	251	49	55
Perry	151	84.0	106	22	23	22	44.2	15	4	3	129	99.6	91	18	20
Pickens	272	77.7	187	43	42	123	66.6	94	9	20	149	90.1	93	34	22
Pike	525	64.7	384	58	83	242	55.3	191	12	39	282	75.8	193	46	43
Randolph	319	83.4	244	24	51	243	85.0	190	14	39	76	78.5	54	10	12
Russell	1,164	99.4	829	154	181	564	106.3	430	44	90	600	93.7	399	110	91
St. Clair	1,298	79.7	1,021	66	211	1,121	79.6	898	39	184	177	80.4	123	27	27
Shelby	2,861	67.3	2,206	194	461	2,299	69.3	1,811	114	374	562	60.3	395	80	87
Sumter	188	67.9	134	25	29	32	46.0	26	1	5	156	75.4	108	24	24
Talladega	1,155	76.0	865	106	184	701	80.2	549	38	114	454	70.4	316	68	70
Tallapoosa	535	80.0	400	50	85	317	74.5	248	18	51	218	89.7	152	32	34
Tuscaloosa	3,836	77.7	2,630	618	588	1,861	62.6	1,395	170	296	1,975	100.6	1,235	448	292
Walker	1,017	91.5	799	53	165	915	91.7	722	44	149	102	89.7	77	9	16
Washington	215	77.6	174	6	35	144	83.7	117	3	24	72	67.6	57	3	12
Wilcox	190	99.3	147	12	31	43	107.2	34	2	7	147	97.2	113	10	24
Winston	270	69.6	221	4	45	265	71.0	217	4	44	5	34.0	4	0	1

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

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

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

TABLE 26
ESTIMATED PREGNANCY RATES¹ BY RACE AND AGE GROUP OF FEMALE
ALABAMA, 2010-2019

AGE GROUP OF FEMALE	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL										
Total (ages 15-44)	85.3	83.9	82.2	81.2	82.2	80.6	82.5	82.3	81.6	82.8
10 - 19	32.5	29.6	27.7	24.2	22.5	20.7	20.3	19.2	18.0	18.1
10 - 14	1.3	1.2	1.0	0.8	0.7	0.6	0.6	0.5	0.5	0.6
15 - 17	31.9	29.2	26.1	21.7	20.4	18.4	18.4	16	15.3	14.0
18 - 19	105.8	98.9	96.7	85.6	79.6	72.6	70.1	69	65.0	67.6
20 - 44	73.6	73.3	72.4	72.9	74.6	73.9	75.7	75.7	75.3	76.6
WHITE										
Total (ages 15-44)	85.0	81.3	79.2	78.7	80.2	79.8	80.8	80.8	79.6	78.8
10 - 19	28.5	24.9	23.6	21.3	20.3	18.6	17.6	17.1	15.6	15.0
10 - 14	0.7	0.6	0.5	0.4	0.4	0.3	0.4	0.3	0.3	0.3
15 - 17	26.3	23.9	21.5	18.5	17.9	15.4	14.9	13.3	11.6	10.9
18 - 19	97.0	86.6	85.5	78.0	73.8	68.1	63.1	63.4	59.1	57.4
20 - 44	73.3	71.2	69.8	70.3	72.3	72.7	73.9	73.2	73.2	72.8
BLACK AND OTHER										
Total (ages 15-44)	85.8	88.9	87.9	86.0	85.9	82.1	85.5	86.4	85.3	90.1
10 - 19	39.0	37.9	35.0	29.4	26.6	24.5	25.2	23.1	22.4	23.7
10 - 14	2.3	2.2	1.8	1.6	1.2	1.0	1.0	0.8	0.8	0.9
15 - 17	40.8	38.3	34.0	27.4	24.8	23.7	24.5	20.7	21.8	19.5
18 - 19	119.8	119.7	116.1	98.8	89.8	80.5	82.3	78.9	75.4	85.8
20 - 44	74.2	77.6	77.6	78.0	79.0	76.0	79.3	80.6	79.3	83.6

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

TABLE 27
ESTIMATED PREGNANCIES, PREGNANCY RATES AND PREGNANCY OUTCOMES BY RACE AND AGE GROUP OF FEMALE
ALABAMA, 2019

	AGE GROUP OF FEMALE						
	TOTAL	10-14	15-17	18-19	10-19	20 AND ABOVE	UNKNOWN
ESTIMATED PREGNANCIES¹	78,630	84	1,301	4,179	5,564	73,060	6
White	48,331	33	651	2,276	2,960	45,370	1
Black and Other	30,299	51	650	1,903	2,604	27,690	5
ESTIMATED PREGNANCY RATES²	82.8	0.6	14.0	67.6	18.1	76.6	--
White	78.8	0.3	11.0	57.4	15.0	72.8	--
Black and Other	90.1	0.9	19.5	85.8	23.7	83.6	--
LIVE BIRTHS	58,615	47	925	3,030	4,002	54,612	1
White	37,985	23	501	1,729	2,253	35,731	1
Black and Other	20,630	24	424	1,301	1,749	18,881	0
ABORTIONS	7,538	25	173	494	692	6,841	5
White	2,499	5	45	183	233	2,266	0
Black and Other	5,039	20	128	311	459	4,575	5
ESTIMATED TOTAL FETAL LOSSES³	12,477	12	203	655	870	11,607	0
White	7,847	5	105	364	474	7,373	0
Black and Other	4,630	7	98	291	396	4,234	0
FEMALE POPULATION	949,318	152,364	92,717	61,812	306,893	954,278	--
White	613,086	98,136	59,435	39,624	197,195	623,200	--
Black and Other	336,232	54,228	33,282	22,188	109,698	331,078	--

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, 2019

COUNTY OF RESIDENCE	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	5,564	18.1	4,002	692	870	2,960	15.0	2,253	233	474	2,604	23.7	1,749	459	396
Autauga	46	12.5	30	9	7	33	12.3	23	5	5	13	12.9	7	4	2
Baldwin	178	13.2	138	11	29	135	12.2	106	7	22	43	17.9	32	4	7
Barbour	29	20.4	22	2	5	11	17.4	9	0	2	18	22.9	13	2	3
Bibb	19	16.2	15	1	3	12	13.0	9	1	2	7	26.9	6	0	1
Blount	55	15.0	44	2	9	53	15.3	42	2	9	2	10.7	2	0	0
Bullock	19	36.3	13	3	3	2	24.5	2	0	0	17	39.0	11	3	3
Butler	32	28.6	24	3	5	11	21.9	8	1	2	21	33.6	16	2	3
Calhoun	170	24.2	120	24	26	115	23.9	86	11	18	55	24.8	34	13	8
Chambers	39	21.7	29	4	6	17	18.1	12	2	3	23	25.5	17	2	4
Cherokee	25	16.9	20	1	4	25	18.7	20	1	4	0	0.0	0	0	0
Chilton	69	23.5	55	3	11	62	24.8	51	1	10	7	16.2	4	2	1
Choctaw	16	22.9	12	1	3	7	19.6	6	0	1	8	26.9	6	1	1
Clarke	32	22.7	27	0	5	13	18.5	11	0	2	19	26.9	16	0	3
Clay	13	18.8	11	0	2	12	21.5	10	0	2	1	8.3	1	0	0
Cleburne	14	16.6	12	0	2	14	17.8	12	0	2	0	0.0	0	0	0
Coffee	57	16.8	45	3	9	35	13.7	28	1	6	23	25.9	17	2	4
Colbert	60	18.9	47	3	10	45	18.3	36	2	7	14	20.8	11	1	2
Conecuh	17	24.7	13	1	3	7	25.2	5	1	1	10	24.4	8	0	2
Coosa	8	17.2	7	0	1	7	23.7	6	0	1	1	6.6	1	0	0
Covington	42	19.7	34	1	7	36	20.7	29	1	6	6	15.3	5	0	1
Crenshaw	20	23.8	14	3	3	10	16.7	7	1	2	11	38.4	7	2	2
Cullman	86	17.4	70	2	14	84	17.8	68	2	14	2	9.7	2	0	0
Dale	75	26.6	60	3	12	43	22.5	35	1	7	32	34.9	25	2	5
Dallas	58	23.2	45	4	9	11	21.5	9	0	2	48	23.7	36	4	8
DeKalb	85	17.9	67	4	14	80	18.6	65	2	13	5	10.5	2	2	1
Elmore	76	14.9	54	10	12	48	13.1	35	5	8	28	19.5	19	5	4
Escambia	51	22.8	40	3	8	35	27.0	28	1	6	17	17.2	12	2	3
Etowah	162	27.2	114	23	25	99	21.7	76	7	16	63	45.4	38	16	9
Fayette	24	26.1	19	1	4	20	25.6	17	0	3	4	29.4	2	1	1
Franklin	51	25.4	41	2	8	38	20.7	32	0	6	13	75.1	9	2	2
Geneva	32	20.0	27	0	5	26	19.6	22	0	4	6	22.3	5	0	1
Greene	20	39.8	13	4	3	2	51.1	2	0	0	18	38.6	11	4	3
Hale	21	23.7	11	7	3	7	21.2	3	3	1	14	25.1	8	4	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 15-19 years. See pregnancy rate formulas in Appendix B. Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

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

TABLE 28 (Continued)
ESTIMATED TEENAGE PREGNANCIES¹, PREGNANCY RATES² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2019

COUNTY OF RESIDENCE	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	5,564	18.1	4,002	692	870	2,960	15.0	2,253	233	474	2,604	23.7	1,749	459	396
Henry	18	18.0	12	3	3	8	12.2	6	1	1	9	31.2	6	2	1
Houston	134	20.7	100	13	21	59	14.7	48	1	10	76	30.1	52	12	12
Jackson	51	17.3	40	3	8	41	15.3	33	1	7	11	35.6	7	2	2
Jefferson	681	16.6	449	129	103	185	9.6	124	33	28	496	22.8	325	96	75
Lamar	14	17.9	10	2	2	14	20.7	10	2	2	0	0.0	0	0	0
Lauderdale	92	16.1	69	8	15	79	16.9	60	6	13	13	12.6	9	2	2
Lawrence	47	23.9	33	7	7	37	24.9	26	5	6	11	20.7	7	2	2
Lee	157	13.6	99	35	23	90	11.2	59	17	14	68	18.9	40	18	10
Limestone	85	13.4	66	5	14	71	14.2	56	3	12	14	10.4	10	2	2
Lowndes	13	22.2	6	5	2	3	31.5	1	2	0	9	20.1	5	3	1
Macon	28	22.6	15	9	4	0	0.0	0	0	0	28	24.9	15	9	4
Madison	302	13.1	205	51	46	132	9.1	94	17	21	171	19.6	111	34	26
Marengo	18	14.9	12	3	3	1	2.6	1	0	0	17	23.0	11	3	3
Marion	38	22.8	30	2	6	37	23.6	29	2	6	1	11.2	1	0	0
Marshall	162	25.4	123	13	26	126	21.8	97	9	20	36	61.4	26	4	6
Mobile	504	19.3	373	51	80	194	14.1	153	9	32	310	25.1	220	42	48
Monroe	36	28.0	29	1	6	17	25.1	14	0	3	19	31.1	15	1	3
Montgomery	372	25.8	258	57	57	66	16.6	51	4	11	307	29.2	207	53	47
Morgan	153	20.6	120	8	25	121	20.6	95	6	20	32	20.8	25	2	5
Perry	18	27.7	12	3	3	1	6.4	0	1	0	17	35.5	12	2	3
Pickens	20	19.1	15	2	3	6	10.8	5	0	1	14	28.2	10	2	2
Pike	44	17.9	31	6	7	10	7.3	7	1	2	34	29.9	24	5	5
Randolph	28	21.1	18	6	4	19	19.6	14	2	3	9	24.8	4	4	1
Russell	83	23.3	56	14	13	38	25.1	27	5	6	45	21.9	29	9	7
St. Clair	69	13.2	56	2	11	63	14.0	51	2	10	6	8.0	5	0	1
Shelby	113	7.7	71	25	17	85	7.2	55	17	13	28	9.3	16	8	4
Sumter	15	17.8	10	3	2	2	10.8	2	0	0	13	20.3	8	3	2
Talladega	84	16.3	62	9	13	42	14.1	31	4	7	43	19.2	31	5	7
Tallapoosa	20	9.1	16	1	3	11	7.6	9	0	2	10	12.0	7	1	2
Tuscaloosa	289	19.8	185	61	43	120	13.4	86	15	19	169	29.9	99	46	24
Walker	92	25.0	71	6	15	84	25.8	65	5	14	8	18.7	6	1	1
Washington	19	18.8	13	3	3	14	23.0	11	1	2	5	12.0	2	2	1
Wilcox	30	41.6	23	2	5	5	33.6	3	1	1	25	43.5	20	1	4
Winston	25	18.6	21	0	4	24	18.9	20	0	4	1	14.8	1	0	0

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

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

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

TABLE 29
FETAL DEATHS AND FETAL DEATH RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2019

YEAR	TOTAL			WHITE		BLACK AND OTHER	
	ALABAMA		U.S.	ALABAMA		ALABAMA	
	NUMBER	RATE	RATE	NUMBER	RATE	NUMBER	RATE
1970	1,091	16.1	14.2	559	12.3	532	24.1
1971	1,073	16.1	13.4	551	12.5	522	23.2
1972	1,042	16.9	12.7	523	13.0	519	24.0
1973	938	15.8	12.2	463	11.9	475	23.0
1974	886	14.9	11.5	441	11.4	445	21.5
1975	798	13.8	10.7	393	10.5	405	19.9
1976	723	12.5	10.5	345	9.2	378	18.5
1977	780	12.6	9.9	390	9.7	390	18.0
1978	775	12.9	9.7	382	9.9	393	18.3
1979	659	10.5	9.4	339	8.5	320	14.1
1980	723	11.4	9.2	368	9.1	355	15.6
1981	754	12.3	9.0	366	9.2	388	17.8
1982	675	11.2	8.9	352	9.1	323	15.1
1983	658	11.1	8.5	338	8.8	320	15.5
1984	608	10.3	8.2	316	8.3	292	14.0
1985	660	11.1	7.9	317	8.1	343	16.6
1986	690	11.6	7.7	347	9.0	343	16.5
1987	600	10.1	7.7	306	7.9	294	14.2
1988	656	10.8	7.5	330	8.4	326	15.1
1989	628	10.0	7.5	294	7.3	334	14.9
1990	680	10.7	7.5	333	8.1	347	15.5
1991	584	9.3	7.3	282	6.9	302	13.6
1992	639	10.3	7.4	294	7.3	345	15.6
1993	605	9.8	7.2	300	7.5	305	14.0
1994	585	9.6	7.0	268	6.8	317	14.9
1995	572	9.5	7.0	264	6.7	308	14.9
1996	563	9.3	6.9	266	6.6	297	14.6
1997	524	8.6	6.8	266	6.6	258	12.6
1998	591	9.5	6.7	284	6.8	307	14.9
1999	602	9.7	6.7	290	7.0	312	15.3
2000	609	9.6	6.6	266	6.3	343	16.2
2001	574	9.5	6.5	274	6.8	300	15.1
2002	548	9.3	6.4	245	6.1	303	15.9
2003	534	9.0	6.3	250	6.1	284	15.2
2004	549	9.3	6.3	260	6.5	289	15.2
2005	543	9.0	6.2	256	6.3	287	14.8
2006	571	9.1	6.1	269	6.3	302	14.7
2007	585	9.1	6.1	297	6.9	288	13.6
2008	587	9.1	6.2	278	6.5	309	14.4
2009	548	8.8	6.0	250	6.0	298	14.5
2010	562	9.4	6.0	275	6.8	287	14.5
2011	536	9.0	6.1	265	6.7	271	13.9
2012	538	9.2	6.1	257	6.7	281	14.2
2013	534	9.2	6.0	245	6.3	289	14.8
2014	500	8.4	6.0	237	6.0	263	13.1
2015	517	8.7	6.0	249	6.3	268	13.4
2016	569	9.6	6.0	288	7.3	281	14.2
2017	551	9.3	5.9	277	7.2	274	13.6
2018	498	8.6	5.9	233	6.1	265	13.5
2019	525	9.0	5.7	259	6.8	266	12.9

¹Rate 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.

²Data for 1970-1989 are by race of fetus for fetal deaths and by race of child for live births. Data for 1990-2019 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, 2019

COUNTY OF RESIDENCE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	525	9.0	259	6.8	266	12.9
Autauga	5	7.5	2	4.1	3	16.7
Baldwin	12	5.2	9	4.5	3	8.7
Barbour	3	10.8	1	8.6	2	12.4
Bibb	3	12.2	2	10.3	1	19.6
Blount	3	4.7	3	4.8	0	0.0
Bullock	0	0.0	0	0.0	0	0.0
Butler	4	18.2	2	24.1	2	14.6
Calhoun	12	8.7	8	8.0	4	10.4
Chambers	6	15.8	3	14.8	3	17.0
Cherokee	0	0.0	0	0.0	0	0.0
Chilton	2	3.4	1	1.9	1	16.9
Choctaw	3	19.7	0	0.0	3	46.9
Clarke	3	9.9	1	6.0	2	14.6
Clay	1	6.7	1	8.0	0	0.0
Cleburne	2	12.9	1	6.6	1	250.0
Coffee	0	0.0	0	0.0	0	0.0
Colbert	5	8.0	4	8.3	1	6.8
Conecuh	0	0.0	0	0.0	0	0.0
Coosa	1	13.2	1	17.2	0	0.0
Covington	1	2.4	1	2.9	0	0.0
Crenshaw	2	12.8	2	19.6	0	0.0
Cullman	11	11.5	11	11.7	0	0.0
Dale	5	7.5	1	2.1	4	20.0
Dallas	7	15.1	1	10.0	6	16.5
DeKalb	3	3.8	3	4.1	0	0.0
Elmore	12	12.7	8	11.9	4	14.4
Escambia	8	17.8	3	10.2	5	32.1
Etowah	10	8.1	6	6.5	4	12.8
Fayette	3	15.2	2	11.2	1	52.6
Franklin	4	9.4	3	8.0	1	19.2
Geneva	0	0.0	0	0.0	0	0.0
Greene	0	0.0	0	0.0	0	0.0
Hale	0	0.0	0	0.0	0	0.0
Henry	3	16.8	3	22.2	0	0.0
Houston	18	13.5	10	12.4	8	15.1
Jackson	10	18.4	8	16.3	2	37.0
Jefferson	87	10.3	24	5.5	63	15.3
Lamar	2	16.4	2	18.2	0	0.0
Lauderdale	5	5.2	5	6.1	0	0.0
Lawrence	0	0.0	0	0.0	0	0.0
Lee	16	8.5	10	7.9	6	9.7
Limestone	7	7.1	6	6.9	1	8.7
Lowndes	0	0.0	0	0.0	0	0.0
Macon	0	0.0	0	0.0	0	0.0
Madison	35	8.2	18	6.5	17	11.3
Marengo	2	8.7	0	0.0	2	16.8
Marion	2	5.8	2	6.0	0	0.0
Marshall	12	8.5	11	9.4	1	4.0
Mobile	36	6.7	14	5.1	22	8.4
Monroe	2	8.5	1	8.7	1	8.4
Montgomery	41	12.9	6	6.9	35	15.3
Morgan	13	9.1	9	7.6	4	15.9
Perry	4	37.7	0	0.0	4	44.0
Pickens	2	10.7	2	21.3	0	0.0
Pike	6	15.6	2	10.5	4	20.7
Randolph	4	16.4	2	10.5	2	37.0
Russell	3	3.6	1	2.3	2	5.0
St. Clair	7	6.9	6	6.7	1	8.1
Shelby	15	6.8	12	6.6	3	7.6
Sumter	5	37.3	0	0.0	5	46.3
Talladega	5	5.8	3	5.5	2	6.3
Tallapoosa	5	12.5	2	8.1	3	19.7
Tuscaloosa	34	12.9	12	8.6	22	17.8
Walker	7	8.8	7	9.7	0	0.0
Washington	2	11.5	0	0.0	2	35.1
Wilcox	4	27.2	1	29.4	3	26.5
Winston	0	0.0	0	0.0	0	0.0

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

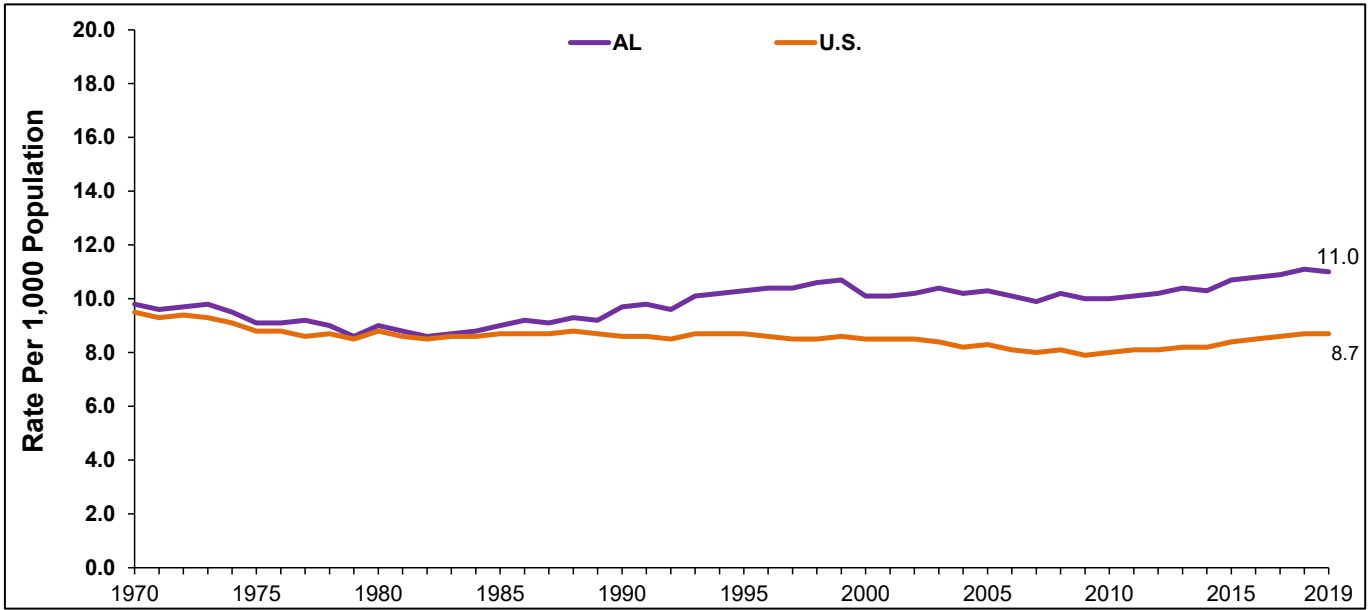
TABLE 31
RESIDENT DEATHS AND DEATH RATES¹ BY
RACE ALABAMA AND UNITED STATES²,
1970-2019

YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE
	NUMBER	RATE		NUMBER	RATE		NUMBER	RATE	
1970	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	9.2	12,063	8.1	5.8
2016	52,452	10.8	8.5	40,129	11.9	9.2	12,323	8.3	6.0
2017	53,240	10.9	8.6	40,802	12.1	9.4	12,438	8.3	6.1
2018	54,357	11.1	8.7	41,485	12.3	9.4	12,872	8.5	6.2
2019	54,109	11.0	8.7	41,054	12.1	9.4	13,055	8.6	6.2

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

² U.S. rates were obtained from CDC WONDER online database (<https://wonder.cdc.gov/Deaths-by-Underlying-Cause.html>).

**FIGURE 8. DEATH RATES
ALABAMA AND UNITED STATES, 1970-2019**



**FIGURE 9. DEATH RATES BY RACE
ALABAMA, 1970-2019**

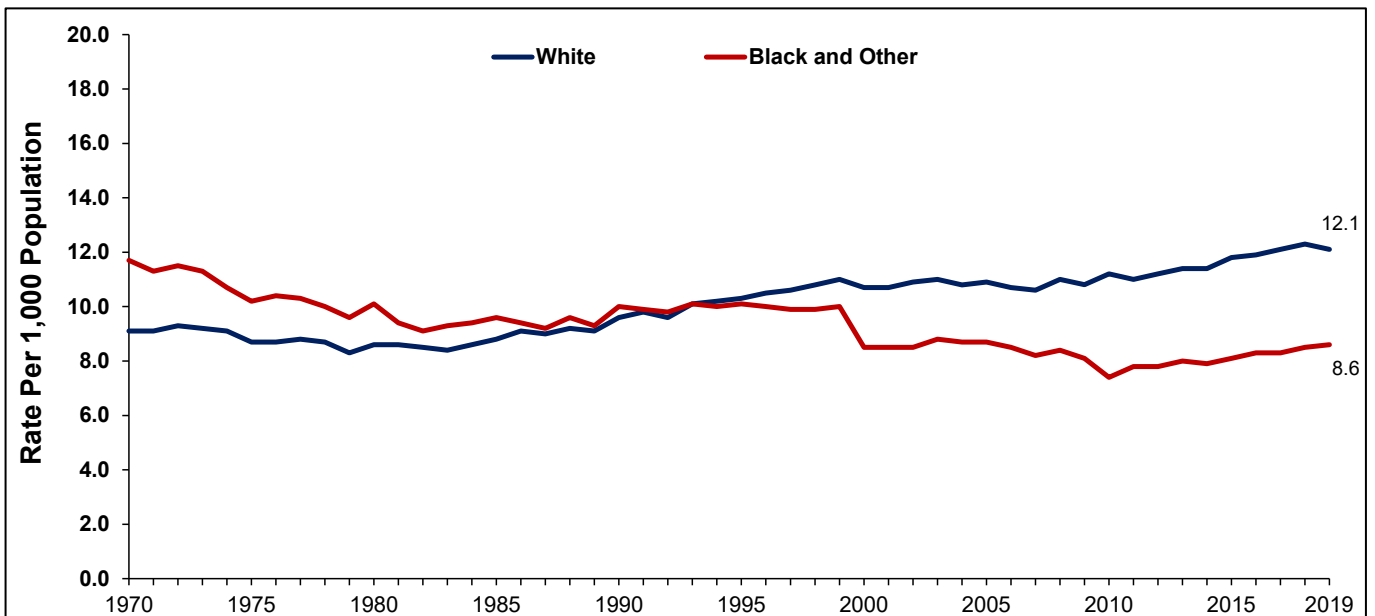


TABLE 32
DEATHS AND DEATH RATES¹ BY COUNTY OF RESIDENCE AND RACE
ALABAMA, 2019

COUNTY OF RESIDENCE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	54,109	11.0	41,054	12.1	13,055	8.6
Autauga	545	9.8	451	10.6	94	7.1
Baldwin	2,283	10.2	2,094	10.7	189	6.7
Barbour	334	13.5	189	15.6	145	11.6
Bibb	264	11.8	219	12.7	45	8.6
Blount	717	12.4	697	12.6	20	8.3
Bullock	118	11.7	33	12.3	85	11.5
Butler	244	12.5	156	15.4	88	9.4
Calhoun	1,412	12.4	1,200	14.1	212	7.5
Chambers	425	12.8	302	15.9	123	8.6
Cherokee	383	14.6	365	15.0	18	10.1
Chilton	494	11.1	456	11.8	38	6.6
Choctaw	182	14.5	107	14.9	75	13.9
Clarke	352	14.9	191	15.3	161	14.5
Clay	192	14.5	168	15.3	24	10.8
Cleburne	211	14.2	198	14.0	13	17.7
Coffee	567	10.8	478	12.0	89	7.0
Colbert	759	13.7	648	14.6	111	10.3
Conecuh	203	16.8	118	18.9	85	14.6
Coosa	138	12.9	102	14.3	36	10.2
Covington	552	14.9	488	15.6	64	11.2
Crenshaw	190	13.8	153	15.4	37	9.7
Cullman	1,093	13.0	1,082	13.5	11	3.1
Dale	551	11.2	457	12.6	94	7.3
Dallas	461	12.4	186	18.1	275	10.2
DeKalb	847	11.8	831	12.5	16	3.1
Elmore	802	9.9	664	10.8	138	7.0
Escambia	478	13.0	332	14.6	146	10.6
Etowah	1,396	13.7	1,214	14.7	182	9.2
Fayette	217	13.3	185	13.2	32	13.8
Franklin	381	12.1	356	12.4	25	9.6
Geneva	354	13.5	317	13.8	37	11.0
Greene	92	11.3	22	14.7	70	10.6
Hale	219	14.9	89	14.9	130	15.0
Henry	223	13.0	168	13.6	55	11.2
Houston	1,162	11.0	847	11.6	315	9.5
Jackson	727	14.1	708	15.0	19	4.3
Jefferson	7,233	11.0	4,255	12.2	2,978	9.6
Lamar	196	14.2	182	15.1	14	8.1
Lauderdale	1,135	12.2	1,041	12.9	94	7.8
Lawrence	422	12.8	361	14.0	61	8.5
Lee	1,218	7.4	905	7.8	313	6.5
Limestone	856	8.7	756	9.4	100	5.3
Lowndes	146	15.0	29	11.5	117	16.3
Macon	263	14.6	60	19.2	203	13.6
Madison	3,362	9.0	2,614	10.2	748	6.4
Marengo	272	14.4	139	15.8	133	13.2
Marion	443	14.9	421	15.1	22	12.4
Marshall	1,129	11.7	1,107	12.3	22	3.2
Mobile	4,578	11.1	3,027	12.4	1,551	9.2
Monroe	247	11.9	145	12.6	102	11.0
Montgomery	2,125	9.4	1,008	12.5	1,117	7.6
Morgan	1,458	12.2	1,319	13.3	139	6.8
Perry	126	14.1	46	17.0	80	12.9
Pickens	291	14.6	195	16.9	96	11.5
Pike	334	10.1	213	11.2	121	8.6
Randolph	302	13.3	241	13.6	61	12.2
Russell	635	11.0	400	13.8	235	8.1
St. Clair	968	10.8	908	11.6	60	5.4
Shelby	1,633	7.5	1,486	8.3	147	3.9
Sumter	166	13.4	46	14.4	120	13.0
Talladega	1,002	12.5	739	14.4	263	9.2
Tallapoosa	595	14.7	446	15.7	149	12.5
Tuscaloosa	1,739	8.3	1,233	9.2	506	6.8
Walker	993	15.6	943	16.3	50	8.7
Washington	207	12.7	155	14.4	52	9.4
Wilcox	150	14.5	48	16.7	102	13.6
Winston	317	13.4	315	13.9	2	2.1

¹ Rate is per 1,000 live births 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, 2019**

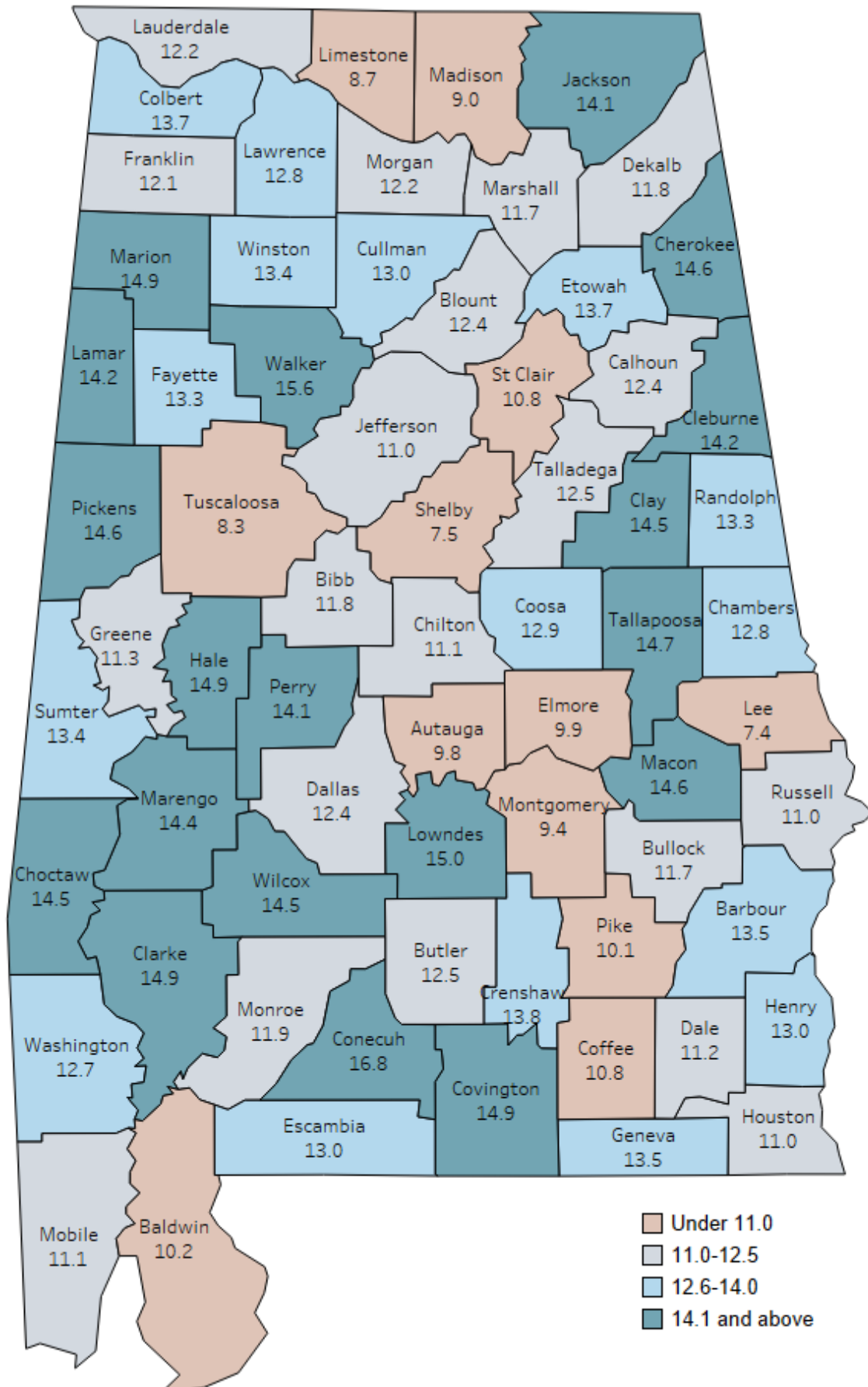


TABLE 33
DEATHS AND DEATH RATES¹ BY COUNTY OF RESIDENCE AND SEX
ALABAMA, 2019

COUNTY OF RESIDENCE	TOTAL		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	54,109	11.0	28,088	11.9	26,021	10.3
Autauga	545	9.8	282	10.4	263	9.1
Baldwin	2,283	10.2	1,286	11.9	997	8.7
Barbour	334	13.5	192	14.7	142	12.2
Bibb	264	11.8	135	11.3	129	12.3
Blount	717	12.4	370	13.0	347	11.8
Bullock	118	11.7	58	10.5	60	13.1
Butler	244	12.5	123	13.6	121	11.6
Calhoun	1,412	12.4	726	13.3	686	11.6
Chambers	425	12.8	222	14.0	203	11.7
Cherokee	383	14.6	209	16.2	174	13.1
Chilton	494	11.1	239	11.0	255	11.3
Choctaw	182	14.5	90	15.2	92	13.8
Clarke	352	14.9	177	15.9	175	14.0
Clay	192	14.5	101	15.7	91	13.4
Cleburne	211	14.2	99	13.5	112	14.8
Coffee	567	10.8	307	11.9	260	9.8
Colbert	759	13.7	404	15.3	355	12.3
Conecuh	203	16.8	125	21.7	78	12.4
Coosa	138	12.9	73	13.7	65	12.2
Covington	552	14.9	298	16.6	254	13.3
Crenshaw	190	13.8	100	15.0	90	12.7
Cullman	1,093	13.0	579	14.0	514	12.1
Dale	551	11.2	286	11.8	265	10.6
Dallas	461	12.4	248	14.4	213	10.6
DeKalb	847	11.8	417	11.7	430	12.0
Elmore	802	9.9	428	10.9	374	8.9
Escambia	478	13.0	249	13.5	229	12.6
Etowah	1,396	13.7	715	14.4	681	12.9
Fayette	217	13.3	126	15.9	91	10.9
Franklin	381	12.1	185	11.7	196	12.6
Geneva	354	13.5	186	14.5	168	12.5
Greene	92	11.3	61	15.9	31	7.2
Hale	219	14.9	111	16.0	108	14.0
Henry	223	13.0	126	15.2	97	10.9
Houston	1,162	11.0	579	11.4	583	10.6
Jackson	727	14.1	396	15.6	331	12.6
Jefferson	7,233	11.0	3,644	11.7	3,589	10.3
Lamar	196	14.2	92	13.6	104	14.8
Lauderdale	1,135	12.2	571	12.8	564	11.7
Lawrence	422	12.8	219	13.7	203	12.0
Lee	1,218	7.4	647	8.0	571	6.8
Limestone	856	8.7	438	8.9	418	8.4
Lowndes	146	15.0	72	15.8	74	14.4
Macon	263	14.6	141	17.2	122	12.4
Madison	3,362	9.0	1,723	9.4	1,639	8.6
Marengo	272	14.4	138	15.6	134	13.4
Marion	443	14.9	221	15.1	222	14.7
Marshall	1,129	11.7	582	12.2	547	11.2
Mobile	4,578	11.1	2,355	12.0	2,223	10.3
Monroe	247	11.9	129	13.1	118	10.9
Montgomery	2,125	9.4	1,076	10.1	1,049	8.7
Morgan	1,458	12.2	773	13.1	685	11.3
Perry	126	14.1	71	17.1	55	11.5
Pickens	291	14.6	158	15.8	133	13.4
Pike	334	10.1	186	11.7	148	8.6
Randolph	302	13.3	166	15.0	136	11.7
Russell	635	11.0	340	12.2	295	9.8
St. Clair	968	10.8	532	12.0	436	9.7
Shelby	1,633	7.5	822	7.8	811	7.2
Sumter	166	13.4	89	15.7	77	11.4
Talladega	1,002	12.5	527	13.7	475	11.4
Tallapoosa	595	14.7	318	16.3	277	13.3
Tuscaloosa	1,739	8.3	884	8.8	855	7.9
Walker	993	15.6	504	16.3	489	15.0
Washington	207	12.7	118	14.7	89	10.7
Wilcox	150	14.5	72	14.6	78	14.3
Winston	317	13.4	172	14.8	145	12.1

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

TABLE 34
RESIDENT DEATHS AND DEATH RATES¹
BY MONTH OF OCCURRENCE
ALABAMA, 2019

MONTH	TOTAL		WHITE		BLACK AND OTHER	
	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
TOTAL	54,109	11.0	41,054	12.1	13,055	8.6
January	4,910	11.8	3,780	13.1	1,130	8.8
February	4,402	11.7	3,358	12.9	1,044	9.0
March	4,755	11.4	3,603	12.5	1,152	9.0
April	4,433	11.0	3,357	12.1	1,076	8.6
May	4,576	11.0	3,515	12.2	1,061	8.3
June	4,304	10.7	3,299	11.8	1,005	8.1
July	4,433	10.6	3,355	11.7	1,078	8.4
August	4,401	10.6	3,285	11.4	1,116	8.7
September	4,172	10.4	3,144	11.3	1,028	8.3
October	4,362	10.5	3,327	11.6	1,035	8.1
November	4,528	11.2	3,370	12.1	1,158	9.3
December	4,833	11.6	3,661	12.7	1,172	9.1

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, 2019

CAUSE OF DEATH	TOTAL		WHITE				BLACK AND OTHER			
	TOTAL	RATE	MALE	RATE	FEMALE	RATE	MALE	RATE	FEMALE	RATE
ALL CAUSES	54,109	1,103.5	21,187	1,274.5	19,867	1,150.4	6,901	976.0	6,154	762.8
Salmonella infections (A01-A02)	0	0.0	0	0.0	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)	112	2.3	31	1.9	51	3.0	13	1.8	17	2.1
Tuberculosis (A16-A19)	10	0.2	3	0.2	4	0.2	3	0.4	0	0.0
Respiratory tuberculosis (A16)	9	0.2	3	0.2	3	0.2	3	0.4	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)	1,034	21.1	376	22.6	364	21.1	129	18.2	165	20.5
Syphilis (A50-A53)	1	0.0	0	0.0	0	0.0	0	0.0	1	0.1
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)	39	0.8	22	1.3	11	0.6	4	0.6	2	0.2
Human immunodeficiency virus (B20-B24)	88	1.8	17	1.0	6	0.3	49	6.9	16	2.0
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)	123	2.5	47	2.8	38	2.2	23	3.3	15	1.9
Malignant neoplasms (C00-C97)	10,263	209.3	4,277	257.3	3,442	199.3	1,328	187.8	1,216	150.7
Lip, oral cavity and pharynx (C00-C14)	206	4.2	121	7.3	48	2.8	29	4.1	8	1.0
Esophagus (C15)	244	5.0	161	9.7	24	1.4	42	5.9	17	2.1
Stomach (C16)	203	4.1	61	3.7	46	2.7	49	6.9	47	5.8
Colon, rectum and anus (C18-C21)	900	18.4	345	20.8	300	17.4	137	19.4	118	14.6
Liver and intrahepatic bile ducts (C22)	489	10.0	228	13.7	131	7.6	78	11.0	52	6.4
Pancreas (C25)	744	15.2	292	17.6	266	15.4	81	11.5	105	13.0
Larynx (C32)	78	1.6	36	2.2	13	0.8	23	3.3	6	0.7
Trachea, bronchus and lung (C33-C34)	2,745	56.0	1,290	77.6	902	52.2	375	53.0	178	22.1
Skin (C43)	117	2.4	69	4.2	39	2.3	4	0.6	5	0.6
Breast (C50)	716	14.6	3	0.2	472	27.3	3	0.4	238	29.5
Cervix uteri (C53)	84	1.7	... ³	... ³	57	3.3	... ³	... ³	27	3.3
Corpus uteri and uterus, part unspecified (C54-C55)	137	2.8	... ³	... ³	87	5.0	... ³	... ³	50	6.2
Ovary (C56)	220	4.5	... ³	... ³	171	9.9	... ³	... ³	49	6.1
Prostate (C61)	507	10.3	330	19.9	... ³	... ³	177	25.0	... ³	... ³
Kidney and renal pelvis (C64-C65)	222	4.5	118	7.1	48	2.8	34	4.8	22	2.7
Bladder (C67)	262	5.3	164	9.9	59	3.4	12	1.7	27	3.3
Meninges, brain and other parts of central nervous system (C70-C72)	309	6.3	144	8.7	117	6.8	27	3.8	21	2.6
Lymphoid, hematopoietic and related tissue (C81-C96)	887	18.1	398	23.9	279	16.2	113	16.0	97	12.0
Hodgkin's disease (C81)	15	0.3	8	0.5	2	0.1	5	0.7	0	0.0
Non-Hodgkin's lymphoma (C82-C85)	295	6.0	149	9.0	102	5.9	24	3.4	20	2.5
Leukemia (C91-C95)	345	7.0	159	9.6	130	7.5	34	4.8	22	2.7
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	228	4.7	80	4.8	44	2.5	50	7.1	54	6.7
Other and unspecified lymphoid, hematopoietic and related tissue (C96)	4	0.1	2	0.1	1	0.1	0	0.0	1	0.1
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)	1,193	24.3	517	31.1	383	22.2	144	20.4	149	18.5
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	228	4.7	100	6.0	66	3.8	30	4.2	32	4.0
Anemias (D50-D64)	104	2.1	31	1.9	30	1.7	30	4.2	13	1.6
Diabetes mellitus (E10-E14)	1,223	24.9	467	28.1	288	16.7	238	33.7	230	28.5

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, 2019

CAUSE OF DEATH	TOTAL		WHITE				BLACK AND OTHER			
	TOTAL	RATE	MALE	RATE	FEMALE	RATE	MALE	RATE	FEMALE	RATE
ALL CAUSES	54,109	1,103.5	21,187	1,274.5	19,867	1,150.4	6,901	976.0	6,154	762.8
Nutritional deficiencies (E40–E64)	387	7.9	116	6.98	187	10.8	34	4.8	50	6.2
Malnutrition (E40–E46)	386	7.9	116	7.0	187	10.8	34	4.8	49	6.1
Other nutritional deficiencies (E50–E64)	1	0.0	0	0.0	0	0.0	0	0.0	1	0.1
Meningitis (G00,G03)	9	0.2	4	0.2	1	0.1	2	0.3	2	0.2
Parkinson's disease (G20–G21)	571	11.6	302	18.2	203	11.8	35	4.9	31	3.8
Alzheimer's disease (G30)	2,659	54.2	689	41.4	1,546	89.5	121	17.1	303	37.6
Major cardiovascular diseases (I00–I78)	17,559	358.1	6,847	411.9	6,351	367.8	2,284	323.0	2,077	257.5
Diseases of the heart (I00–I09, I11, I13, I20–I51)	13,445	274.2	5,534	332.9	4,717	273.1	1,706	241.3	1,488	184.5
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	39	0.8	12	0.7	21	1.2	2	0.3	4	0.5
Hypertensive heart disease (I11)	1,012	20.6	357	21.5	403	23.3	127	18.0	125	15.5
Hypertensive heart and renal disease (I13)	222	4.5	78	4.7	89	5.2	31	4.4	24	3.0
Ischemic heart diseases (I20–I25)	4,909	100.1	2,284	137.4	1,538	89.1	624	88.3	463	57.4
Acute myocardial infarction (I21–I22)	1,488	30.3	703	42.3	429	24.8	212	30.0	144	17.9
Other acute ischemic heart diseases (I24)	31	0.6	10	0.6	13	0.8	5	0.7	3	0.4
Other forms of chronic ischemic heart disease (I20, I25)	3,390	69.1	1,571	94.5	1,096	63.5	407	57.6	316	39.2
Atherosclerotic cardiovascular disease, so described (I25.0)	947	19.3	399	24.0	314	18.2	136	19.2	98	12.1
All other forms of chronic ischemic heart disease (I20,I25.1–I25.9)	2,443	49.8	1,172	70.5	782	45.3	271	38.3	218	27.0
Other heart diseases (I26–I51)	7,263	148.1	2,803	168.6	2,666	154.4	922	130.4	872	108.1
Acute and subacute endocarditis (I33)	17	0.3	7	0.4	3	0.2	4	0.6	3	0.4
Diseases of pericardium and acute myocarditis (I30–I31, I40)	13	0.3	6	0.4	3	0.2	1	0.1	3	0.4
Heart failure (I50)	2,500	51.0	925	55.6	1,018	58.9	278	39.3	279	34.6
All other forms of heart disease (I26–I28, I34–I38, I42–I49, I51)	4,733	96.5	1,865	112.2	1,642	95.1	639	90.4	587	72.8
Essential (primary) hypertension and hypertensive renal disease (I10, I12, I15)	624	12.7	196	11.8	212	12.3	112	15.8	104	12.9
Cerebrovascular diseases (I60–I69)	3,139	64.0	977	58.8	1,299	75.2	417	59.0	446	55.3
Atherosclerosis (I70)	101	2.1	37	2.2	35	2.0	12	1.7	17	2.1
Other diseases of circulatory system (I71–I78)	250	5.1	103	6.2	88	5.1	37	5.2	22	2.7
Aortic aneurysm and dissection (I71)	135	2.8	64	3.8	44	2.5	21	3.0	6	0.7
Other diseases of arteries, arterioles and capillaries (I72–I78)	115	2.3	39	2.3	44	2.5	16	2.3	16	2.0
Other disorders of circulatory system (I80–I99)	132	2.7	44	2.6	51	3.0	19	2.7	18	2.2
Influenza and pneumonia (J09–J18)	1,018	20.8	430	25.9	385	22.3	101	14.3	102	12.6
Influenza (J09–J11)	76	1.6	34	2.0	29	1.7	6	0.8	7	0.9
Pneumonia (J12–J18)	942	19.2	396	23.8	356	20.6	95	13.4	95	11.8
Other acute lower respiratory infections (J20–J22, U04)	5	0.1	1	0.1	1	0.1	2	0.3	1	0.1
Acute bronchitis and bronchiolitis (J20–J21)	5	0.1	1	0.1	1	0.1	2	0.3	1	0.1
Unspecified acute lower respiratory infection (J22, U04)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic lower respiratory diseases (J40–J47)	3,530	72.0	1,480	89.0	1,630	94.4	246	34.8	174	21.6
Bronchitis, chronic and unspecified (J40–J42)	23	0.5	7	0.4	11	0.6	2	0.3	3	0.4
Emphysema (J43)	101	2.1	51	3.1	35	2.0	10	1.4	5	0.6
Asthma (J45–J46)	58	1.2	14	0.8	18	1.0	16	2.3	10	1.2
Other chronic lower respiratory diseases (J44, J47)	3,348	68.3	1,408	84.7	1,566	90.7	218	30.8	156	19.3
Pneumoconiosis and chemical effects (J60–J66, J68)	12	0.2	9	0.5	2	0.1	1	0.1	0	0.0
Pneumonitis due to solids and liquids (J69)	319	6.5	142	8.5	107	6.2	44	6.2	26	3.2
Other diseases of the respiratory system (J00–J06, J30–J39, J67, J70–J98)	931	19.0	398	23.9	368	21.3	75	10.6	90	11.2
Peptic ulcer (K25–K28)	54	1.1	19	1.1	26	1.5	5	0.7	4	0.5
Diseases of the appendix (K35–K38)	8	0.2	5	0.3	2	0.1	0	0.0	1	0.1
Hernia (K40–K46)	28	0.6	6	0.4	14	0.8	3	0.4	5	0.6
Chronic liver disease and cirrhosis (K70, K73–K74)	831	16.9	446	26.8	289	16.7	50	7.1	46	5.7
Alcoholic liver disease (K70)	272	5.5	171	10.3	65	3.8	19	2.7	17	2.1
Other chronic liver disease and cirrhosis (K73–K74)	559	11.4	275	16.5	224	13.0	31	4.4	29	3.6

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, 2019

CAUSE OF DEATH	TOTAL		WHITE				BLACK AND OTHER			
	TOTAL	RATE	MALE	RATE	FEMALE	RATE	MALE	RATE	FEMALE	RATE
ALL CAUSES	54,109	1,103.5	21,187	1,274.5	19,867	1,150.4	6,901	976.0	6,154	762.8
Cholelithiasis and other gallbladder disorders (K80–K82)	43	0.9	20	1.2	16	0.9	5	0.7	2	0.2
Nephritis, nephrotic syndrome and nephrosis (N00–N07, N17–N19, N25–N27)	1,007	20.5	312	18.8	306	17.7	187	26.4	202	25.0
Acute and rapidly progressive nephritic and nephrotic syndrome (N00–N01, N04)	5	0.1	2	0.1	2	0.1	1	0.1	0	0.0
Chronic glomerulonephritis nephritis and nephritis not specified as acute and renal sclerosis (N02–N03, N05–N07, N26)	2	0.0	0	0.0	1	0.1	0	0.0	1	0.1
Renal failure (N17–N19)	1,000	20.4	310	18.6	303	17.5	186	26.3	201	24.9
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)	18	0.4	3	0.2	13	0.8	1	0.1	1	0.1
Hyperplasia of prostate (N40)	0	0.0	0	0.0	...	...	0	0.0	...	...
Inflammatory diseases of female pelvic organs (N70–N76)	1	0.0	...	...	1	0.1	...	...	0	0.0
Pregnancy, childbirth and the puerperium (O00–O99)	49	1.0	...	...	30	1.7	...	...	19	2.4
Pregnancy with abortive outcome (O00–O07)	1	0.0	...	...	0	0.0	...	...	1	0.1
Other complications of pregnancy, childbirth and the puerperium (O10–O99)	48	1.0	...	...	30	1.7	...	...	18	2.2
Certain conditions originating in the perinatal period (P00–P96)	185	3.8	36	2.2	37	2.1	62	8.8	50	6.2
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	153	3.1	53	3.2	50	2.9	21	3.0	29	3.6
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	990	20.2	313	18.8	317	18.4	183	25.9	177	21.9
All other diseases (Residual)	6,086	124.1	2,004	120.5	2,660	154.0	662	93.6	760	94.2
Accidents (V01–X59, Y85–Y86)	2,757	56.2	1,391	83.7	721	41.7	458	64.8	187	23.2
Transport accidents (V01–V99, Y85)	1,053	21.5	539	32.4	202	11.7	231	32.7	81	10.0
Motor vehicle accidents (V02–V04, V09.0, V09.2, V12–V14, V19.0–V19.2, V19.4–V19.6, V20–V79, V80.3–V80.5, V81.0–V81.1, V82.0–V82.1, V83–V86, V87.0–V87.8, V88.0–V88.8, V89.0, V89.2)	1,013	20.7	515	31.0	199	11.5	222	31.4	77	9.5
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)	14	0.3	6	0.4	1	0.1	5	0.7	2	0.2
Water, air, space and other and unspecified transport accidents and their sequelae (V90–V99, Y85)	26	0.5	18	1.1	2	0.1	4	0.6	2	0.2
Nontransport accidents (W00–X59, Y86)	1,704	34.8	852	51.2	519	30.1	227	32.1	106	13.1
Falls (W00–W19)	295	6.0	143	8.6	112	6.5	24	3.4	16	2.0
Accidental discharge of firearms (W32–W34)	29	0.6	15	0.9	4	0.2	9	1.3	1	0.1
Accidental drowning and submersion (W65–W74)	81	1.7	47	2.8	15	0.9	14	2.0	5	0.6
Accidental exposure to smoke, fire and flames (X00–X09)	87	1.8	27	1.6	32	1.9	17	2.4	11	1.4
Accidental poisoning and exposure to noxious substances (X40–X49)	739	15.1	381	22.9	226	13.1	97	13.7	35	4.3
Other and unspecified nontransport accidents and their sequelae (W20–W31, W35–W64, W75–W99, X10–X39, X50–X59, Y86)	473	9.6	239	14.4	130	7.5	66	9.3	38	4.7
Intentional self-harm (suicide) (*U03, X60–X84, Y87.0)	804	16.4	554	33.3	157	9.1	76	10.7	17	2.1
Suicide by discharge of firearms (X72–X74)	543	11.1	391	23.5	89	5.2	52	7.4	11	1.4
Suicide by other and unspecified means and their sequelae (*U03, X60–X71, X75–X84, Y87.0)	261	5.3	163	9.8	68	3.9	24	3.4	6	0.7
Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	587	12.0	131	7.9	49	2.8	348	49.2	59	7.3
Homicide by discharge of firearms (*U01.4, X93–X95)	486	9.9	101	6.1	32	1.9	308	43.6	45	5.6
Homicide by other and unspecified means and their sequelae (*U01.0–*U01.3, *U01.5–*U01.9, *U02, X85–X92, X96–Y09, Y87.1)	101	2.1	30	1.8	17	1.0	40	5.7	14	1.7
Legal intervention (Y35, Y89.0)	10	0.2	3	0.2	0	0.0	7	1.0	0	0.0
Events of undetermined intent (Y10–Y34, Y87.2, Y89.9)	53	1.1	28	1.7	15	0.9	8	1.1	2	0.2
Discharge of firearms, undetermined intent (Y22–Y24)	13	0.3	9	0.5	1	0.1	3	0.4	0	0.0
Other and unspecified events of undetermined intent and their sequelae (Y10–Y21, Y25–Y34, Y87.2, Y89.9)	40	0.8	19	1.1	14	0.8	5	0.7	2	0.2
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)	87	1.8	30	1.8	31	1.8	14	2.0	12	1.5

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, 2019

CAUSE OF DEATH		NUMBER	PERCENT	RATE
RANK	TOTAL	54,109	100.0	897.4
1	Diseases of heart	13,445	24.8	274.2
2	Malignant neoplasms	10,263	19.0	209.3
3	Chronic lower respiratory diseases	3,530	6.5	72.0
4	Cerebrovascular diseases	3,139	5.8	64.0
5	Accidents (unintentional injuries)	2,757	5.1	56.2
6	Alzheimer's disease	2,659	4.9	54.2
7	Diabetes mellitus	1,223	2.3	24.9
8	Septicemia	1,034	1.9	21.1
9	Influenza and pneumonia	1,018	1.9	20.8
10	Nephritis, nephrotic syndrome and nephrosis	1,007	1.9	20.5
11	Chronic liver disease and cirrhosis	831	1.5	16.9
12	Intentional self-harm (suicide)	804	1.5	16.4
13	Essential (primary) hypertension and hypertensive renal disease	624	1.2	12.7
14	Assault (homicide)	587	1.1	12.0
15	Parkinson's disease	571	1.1	11.6
	All other causes	10,617	19.6	---
RANK	WHITE (TOTAL)	41,054	100.0	1,211.2
1	Diseases of heart	10,251	25.0	302.4
2	Malignant neoplasms	7,719	18.8	227.7
3	Chronic lower respiratory diseases	3,110	7.6	91.8
4	Cerebrovascular diseases	2,276	5.5	67.2
5	Alzheimer's disease	2,235	5.4	65.9
6	Accidents (unintentional injuries)	2,112	5.1	62.3
7	Influenza and pneumonia	815	2.0	24.0
8	Diabetes mellitus	755	1.8	22.3
9	Septicemia	740	1.8	21.8
10	Chronic liver disease and cirrhosis	735	1.8	21.7
11	Intentional self-harm (suicide)	711	1.7	21.0
12	Nephritis, nephrotic syndrome and nephrosis	618	1.5	18.2
13	Parkinson's disease	505	1.2	14.9
14	Essential (primary) hypertension and hypertensive renal disease	408	1.0	12.0
15	Malnutrition	303	0.7	8.9
	All other causes	7,761	18.9	---
RANK	WHITE MALE	21,187	100.0	1,274.5
1	Diseases of heart	5,534	26.1	332.9
2	Malignant neoplasms	4,277	20.2	257.3
3	Chronic lower respiratory diseases	1,480	7.0	89.0
4	Accidents (unintentional injuries)	1,391	6.6	83.7
5	Cerebrovascular diseases	977	4.6	58.8
6	Alzheimer's disease	689	3.3	41.4
7	Intentional self-harm (suicide)	554	2.6	33.3
8	Diabetes mellitus	467	2.2	28.1
9	Chronic liver disease and cirrhosis	446	2.1	26.8
10	Influenza and pneumonia	430	2.0	25.9
11	Septicemia	376	1.8	22.6
12	Nephritis, nephrotic syndrome and nephrosis	312	1.5	18.8
13	Parkinson's disease	302	1.4	18.2
14	Essential (primary) hypertension and hypertensive renal disease	196	0.9	11.8
15	Pneumonitis due to solids and liquids	142	0.7	8.5
	All other causes	3,614	17.1	---
RANK	WHITE FEMALE	19,867	100.0	1,150.4
1	Diseases of heart	4,717	23.7	273.1
2	Malignant neoplasms	3,442	17.3	199.3
3	Chronic lower respiratory diseases	1,630	8.2	94.4
4	Alzheimer's disease	1,546	7.8	89.5
5	Cerebrovascular diseases	1,299	6.5	75.2
6	Accidents (unintentional injuries)	721	3.6	41.7
7	Influenza and pneumonia	385	1.9	22.3
8	Septicemia	364	1.8	21.1
9	Nephritis, nephrotic syndrome and nephrosis	306	1.5	17.7
10	Chronic liver disease and cirrhosis	289	1.5	16.7
11	Diabetes mellitus	288	1.4	16.7
12	Essential (primary) hypertension and hypertensive renal disease	212	1.1	12.3
13	Parkinson's disease	203	1.0	11.8
14	Malnutrition	187	0.9	10.8
15	Intentional self-harm (suicide)	157	0.8	9.1
	All other causes	4,121	20.7	---

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, 2019

CAUSE OF DEATH		NUMBER	PERCENT	RATE
RANK	BLACK AND OTHER (TOTAL)	13,055	100.0	862.4
1	Diseases of heart	3,194	24.5	211.0
2	Malignant neoplasms	2,544	19.5	168.1
3	Cerebrovascular diseases	863	6.6	57.0
4	Accidents (unintentional injuries)	645	4.9	42.6
5	Diabetes mellitus	468	3.6	30.9
6	Alzheimer's disease	424	3.2	28.0
7	Chronic lower respiratory diseases	420	3.2	27.7
8	Assault (homicide)	407	3.1	26.9
9	Nephritis, nephrotic syndrome and nephrosis	389	3.0	25.7
10	Septicemia	294	2.3	19.4
11	Essential (primary) hypertension and hypertensive renal disease	216	1.7	14.3
12	Influenza and pneumonia	203	1.6	13.4
13	Certain conditions originating in the perinatal period	112	0.9	7.4
14	Chronic liver disease and cirrhosis	96	0.7	6.3
15	Intentional self-harm (suicide)	93	0.7	6.1
	All other causes	2,687	20.6	---
RANK	BLACK AND OTHER MALE	6,901	100.0	976.0
1	Diseases of heart	1,706	24.7	241.3
2	Malignant neoplasms	1,328	19.2	187.8
3	Accidents (unintentional injuries)	458	6.6	64.8
4	Cerebrovascular diseases	417	6.0	59.0
5	Assault (homicide)	348	5.0	49.2
6	Chronic lower respiratory diseases	246	3.6	34.8
7	Diabetes mellitus	238	3.4	33.7
8	Nephritis, nephrotic syndrome and nephrosis	187	2.7	26.4
9	Septicemia	129	1.9	18.2
10	Alzheimer's disease	121	1.8	17.1
10	Essential (primary) hypertension and hypertensive renal disease	112	1.6	15.8
12	Influenza and pneumonia	101	1.5	14.3
13	Intentional self-harm (suicide)	76	1.1	10.7
14	Certain conditions originating in the perinatal period	62	0.9	8.8
15	Chronic liver disease and cirrhosis	50	0.7	7.1
	All other causes	1,322	19.2	---
RANK	BLACK AND OTHER FEMALE	6,154	100.0	762.8
1	Diseases of heart	1,488	24.2	184.5
2	Malignant neoplasms	1,216	19.8	150.7
3	Cerebrovascular diseases	446	7.2	55.3
4	Alzheimer's disease	303	4.9	37.6
5	Diabetes mellitus	230	3.7	28.5
6	Nephritis, nephrotic syndrome and nephrosis	202	3.3	25.0
7	Accidents (unintentional injuries)	187	3.0	23.2
8	Chronic lower respiratory diseases	174	2.8	21.6
9	Septicemia	165	2.7	20.5
10	Essential (primary) hypertension and hypertensive renal disease	104	1.7	12.9
11	Influenza and pneumonia	102	1.7	12.6
12	Assault (homicide)	59	1.0	7.3
13	Certain conditions originating in the perinatal period	50	0.8	6.2
14	Malnutrition	50	0.8	6.2
15	Chronic liver disease and cirrhosis	46	0.7	5.7
	All other causes	1,332	21.6	---

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

TABLE 37
LEADING CAUSES OF DEATH¹ AND DEATH RATES² BY RACE AND AGE GROUP
ALABAMA, 2019

AGE GROUP AND CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
UNDER 1 YEAR	449	762.7	214	571.7	235	1,096.1
Congenital malformations, deformations and chromosomal abnormalities	89	151.2	54	144.3	35	163.3
Disorders related to short gestation and low birth weight, not elsewhere classified	68	115.5	24	64.1	44	205.2
Sudden infant death syndrome (SIDS)	24	40.8	10	26.7	14	65.3
Accidents (unintentional injuries)	21	35.7	16	42.7	5	23.3
Diseases of the circulatory system	12	20.4	6	16.0	6	28.0
1-4 YEARS	113	48.0	64	42.7	49	57.1
Accidents (unintentional injuries)	45	19.1	30	20.0	15	17.5
Assault (homicide)	14	5.9	7	4.7	7	8.2
Congenital malformations, deformations and abnormalities	9	3.8	5	3.3	4	4.7
Diseases of heart	9	3.8	6	4.0	3	3.5
5-14 YEARS	126	20.7	83	21.1	43	20.0
Accidents (unintentional injuries)	37	6.1	25	6.3	12	5.6
Malignant neoplasms	18	3.0	10	2.5	8	3.7
Intentional self-harm (suicide)	10	1.6	8	2.0	2	0.9
Assault (homicide)	7	1.2	3	0.8	4	1.9
Congenital malformations, deformations and abnormalities	7	1.2	7	1.8	0	0.0
Diseases of heart	6	1.0	3	0.8	3	1.4
15-19 YEARS	235	74.9	126	62.2	109	98.2
Accidents (unintentional injuries)	103	32.8	77	38.0	26	23.4
Assault (homicide)	47	15.0	6	3.0	41	36.9
Intentional self-harm (suicide)	36	11.5	24	11.8	12	10.8
Diseases of heart	14	4.5	3	1.5	11	9.9
Malignant neoplasms	5	1.6	3	1.5	2	1.8
20-24 YEARS	388	120.5	212	102.8	176	152.0
Accidents (unintentional injuries)	166	51.5	111	53.8	55	47.5
Assault (homicide)	80	24.8	15	7.3	65	56.1
Intentional self-harm (suicide)	58	18.0	44	21.3	14	12.1
Diseases of heart	19	5.9	7	3.4	12	10.4
Malignant neoplasms	4	1.2	2	1.0	2	1.7
25-34 YEARS	1,158	178.9	715	169.1	443	197.5
Accidents (unintentional injuries)	413	63.8	311	73.5	102	45.5
Assault (homicide)	155	23.9	33	7.8	122	54.4
Intentional self-harm (suicide)	129	19.9	110	26.0	19	8.5
Diseases of heart	105	16.2	61	14.4	44	19.6
Malignant neoplasms	57	8.8	33	7.8	24	10.7

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

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

TABLE 37 (Continued)
LEADING CAUSES OF DEATH¹ AND DEATH RATES² BY RACE AND AGE GROUP
ALABAMA, 2019

AGE GROUP AND CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
35-44 YEARS	1,793	302.2	1,134	281.7	659	345.5
Accidents (unintentional injuries)	419	70.6	318	79.0	101	52.9
Diseases of heart	319	53.8	181	45.0	138	72.3
Malignant neoplasms	167	28.1	113	28.1	54	28.3
Intentional self-harm (suicide)	157	26.5	138	34.3	19	10.0
Assault (homicide)	127	21.4	38	9.4	89	46.7
45-54 YEARS	3,447	559.0	2,369	541.6	1,078	601.5
Diseases of heart	826	134.0	545	124.6	281	156.8
Malignant neoplasms	626	101.5	416	95.1	210	117.2
Accidents (unintentional injuries)	369	59.8	286	65.4	83	46.3
Chronic liver disease and cirrhosis	148	24.0	134	30.6	14	7.8
Intentional self-harm (suicide)	137	22.2	125	28.6	12	6.7
55-64 YEARS	7,944	1,207.9	5,457	1,148.6	2,487	1,362.3
Malignant neoplasms	2,093	318.2	1,439	302.9	654	358.2
Diseases of heart	1,923	292.4	1,300	273.6	623	341.3
Chronic lower respiratory diseases	497	75.6	423	89.0	74	40.5
Accidents (unintentional injuries)	383	58.2	272	57.3	111	60.8
Cerebrovascular diseases	339	51.5	192	40.4	147	80.5
65-74 YEARS	11,917	2,376.5	8,887	2,332.4	3,030	2,516.2
Malignant neoplasms	3,211	640.3	2,401	630.1	810	672.7
Diseases of heart	2,929	584.1	2,142	562.2	787	653.6
Chronic lower respiratory diseases	1,028	205.0	900	236.2	128	106.3
Cerebrovascular diseases	618	123.2	415	108.9	203	168.6
Diabetes mellitus	346	69.0	225	59.1	121	100.5
75-84 YEARS	13,459	5,240.1	10,887	5,255.6	2,572	5,175.3
Diseases of heart	3,264	1,270.8	2,613	1,261.4	651	1,309.9
Malignant neoplasms	2,716	1,057.4	2,187	1,055.8	529	1,064.4
Chronic lower respiratory diseases	1,154	449.3	1,035	499.6	119	239.4
Cerebrovascular diseases	955	371.8	736	355.3	219	440.7
Alzheimer's disease	932	362.9	790	381.4	142	285.7
85+ YEARS	13,080	14,288.4	10,906	14,859.5	2,174	11,978.6
Diseases of heart	4,020	4,391.4	3,384	4,610.7	636	3,504.3
Alzheimer's disease	1,466	1,601.4	1,234	1,681.3	232	1,278.3
Malignant neoplasms	1,365	1,491.1	1,115	1,519.2	250	1,377.5
Cerebrovascular diseases	1,014	1,107.7	810	1,103.6	204	1,124.0
Chronic lower respiratory diseases	702	766.9	636	866.6	66	363.7

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, 2019

CAUSE OF DEATH	AGE GROUP											
	TOTAL	UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL	54,109	449	113	126	623	1,158	1,793	3,447	7,944	11,917	13,459	13,080
Diseases of heart	13,445	11	9	6	33	105	319	826	1,923	2,929	3,264	4,020
Malignant neoplasms	10,263	0	1	18	9	57	167	626	2,093	3,211	2,716	1,365
Chronic lower respiratory diseases	3,530	2	0	4	3	7	19	114	497	1,028	1,154	702
Cerebrovascular diseases	3,139	1	3	1	4	17	51	136	339	618	955	1,014
Accidents (unintentional injuries)	2,757	21	45	37	269	413	419	369	383	309	274	218
Alzheimer's disease	2,659	0	0	0	0	0	0	5	28	228	932	1,466
Diabetes mellitus	1,223	0	0	0	4	22	45	110	253	346	294	149
Septicemia	1,034	6	2	3	4	14	31	74	201	265	272	162
Influenza and pneumonia	1,018	1	0	3	1	15	19	52	150	218	255	304
Nephritis, nephrotic syndrome and nephrosis	1,007	3	0	0	0	14	25	59	151	240	288	227
Chronic liver disease and cirrhosis	831	0	0	0	0	5	60	148	286	228	88	16
Intentional self-harm (suicide)	804	0	0	10	94	129	157	137	119	84	51	23
Essential hypertension and hypertensive renal disease	624	0	0	0	1	6	24	46	94	137	144	172
Assault (homicide)	587	9	14	7	127	155	127	65	46	19	13	5
Parkinson's disease	571	0	0	0	0	0	0	3	22	114	245	187
Pneumonitis due to solids and liquids	319	0	0	0	1	4	3	11	33	60	103	104
In situ, benign, or uncertain neoplasms	228	1	2	2	1	3	4	10	21	52	70	62
Certain conditions originating in the perinatal period	185	180	5	0	0	0	0	0	0	0	0	0
Congenital anomalies	153	89	9	7	1	4	4	12	11	7	8	1
Aortic aneurysm and dissection	135	0	0	0	1	1	7	8	17	36	39	26
Atherosclerosis	101	0	0	0	0	0	1	7	19	17	25	32
Human immunodeficiency virus infection	88	0	0	0	0	13	23	25	18	7	2	0
All other causes	9,408	125	23	28	70	174	288	604	1,240	1,764	2,267	2,825

TABLE 39
ALABAMA HEART DISEASE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES HEART DISEASE DEATH RATES
1970-2019

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	362.0	11,311	328.0	8,404	331.5	2,907	318.2
1971	360.5	11,412	329.2	8,562	333.8	2,850	316.2
1972	363.0	11,346	325.7	8,581	331.3	2,765	309.3
1973	360.8	11,605	331.4	8,696	332.5	2,909	328.1
1974	349.2	11,612	329.9	8,792	333.0	2,820	320.7
1975	336.2	10,967	310.0	8,457	317.3	2,510	287.8
1976	337.2	11,158	313.9	8,498	315.9	2,660	307.6
1977	332.3	11,210	313.8	8,607	317.0	2,603	303.5
1978	334.3	11,326	302.7	8,574	306.6	2,752	291.1
1979	326.5	11,470	302.9	8,668	306.4	2,802	292.6
1980	336.0	11,807	302.6	8,960	311.3	2,847	278.3
1981	328.7	12,010	304.4	9,275	318.5	2,735	264.5
1982	326.0	12,091	302.7	9,220	312.7	2,871	274.4
1983	329.2	12,385	302.5	9,357	308.5	3,028	285.4
1984	323.5	12,695	307.2	9,558	311.9	3,137	293.8
1985	323.0	13,048	312.9	9,774	315.7	3,274	304.9
1986	317.5	12,887	314.2	9,678	320.2	3,209	297.3
1987	312.4	13,093	315.6	9,855	322.4	3,238	296.2
1988	311.3	13,211	314.9	10,017	324.2	3,194	288.8
1989	295.6	13,118	309.3	9,900	317.0	3,218	287.5
1990	289.5	12,893	319.1	9,778	328.6	3,115	292.5
1991	285.9	13,186	323.4	9,931	331.7	3,255	300.7
1992	282.5	12,806	314.6	9,682	322.6	3,124	292.1
1993	288.4	13,549	331.7	10,324	342.9	3,225	300.1
1994	281.3	13,107	319.7	10,104	334.6	3,003	278.1
1995	280.7	13,341	324.3	10,159	335.5	3,182	293.3
1996	276.4	13,466	326.2	10,415	342.9	3,051	279.7
1997	271.6	13,522	326.5	10,493	344.6	3,029	276.3
1998	268.2	13,449	323.7	10,361	339.4	3,088	280.2
1999	259.9	13,381	321.0	10,340	337.9	3,041	274.4
2000	252.6	13,354	300.3	10,358	327.5	2,996	233.3
2001	245.7	13,177	293.7	10,141	319.1	3,036	232.1
2002	242.3	13,183	291.3	10,132	317.2	3,051	229.0
2003	236.1	13,149	292.2	10,070	313.6	3,079	238.7
2004	222.8	12,734	281.1	9,822	303.6	2,912	224.8
2005	220.7	12,800	280.8	9,872	303.5	2,928	224.4
2006	211.7	12,434	270.4	9,606	303.5	2,828	213.8
2007	204.5	11,761	254.1	9,035	274.8	2,726	203.4
2008	202.8	12,091	259.4	9,383	283.4	2,708	200.5
2009	195.4	11,962	254.0	9,282	277.9	2,680	195.8
2010	193.6	12,035	251.8	9,272	283.1	2,763	183.7
2011	191.5	11,882	247.4	9,194	273.0	2,688	187.4
2012	191.0	12,002	248.9	9,231	273.6	2,771	191.3
2013	193.3	12,453	257.6	9,523	282.1	2,930	210.0
2014	192.7	12,438	256.4	9,613	284.6	2,825	191.9
2015	197.2	12,970	266.9	10,139	300.6	2,831	189.9
2016	196.6	12,824	263.1	9,912	293.9	2,912	195.3
2017	198.8	13,105	268.8	10,171	301.4	2,934	195.5
2018	200.3	13,473	275.6	10,251	303.3	3,222	213.7
2019	200.8	13,445	274.2	10,251	302.4	3,194	211.0

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, 2019

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	13,445	274.2	5,534	332.9	4,717	273.1	1,706	241.3	1,488	184.5
Under 1	11	18.7	4	20.9	2	10.9	2	18.5	3	28.2
1-4	9	3.8	4	5.2	2	2.7	0	0.0	3	7.1
5-9	3	1.0	1	1.0	0	0.0	1	1.9	1	1.9
10-14	3	1.0	2	1.9	0	0.0	1	1.8	0	0.0
15-19	14	4.5	1	1.0	2	2.0	10	18.0	1	1.8
20-24	19	5.9	5	4.8	2	2.0	7	12.4	5	8.4
25-29	35	10.4	13	11.9	7	6.5	8	13.6	7	11.3
30-34	70	22.6	27	26.3	14	13.6	17	35.1	12	21.8
35-39	115	37.8	32	31.4	27	26.3	35	77.4	21	38.7
40-44	204	70.5	82	83.4	40	40.2	48	116.9	34	67.6
45-49	341	110.4	154	142.0	55	50.4	86	209.8	46	91.4
50-54	485	157.6	221	202.1	115	104.2	97	243.3	52	108.3
55-59	830	246.8	372	312.0	173	140.5	178	422.2	107	206.6
60-64	1,093	340.1	488	434.6	267	221.7	202	515.4	136	275.2
65-69	1,376	499.5	629	652.2	344	319.7	248	802.5	155	382.8
70-74	1,553	687.2	717	873.0	452	476.6	225	1,068.5	159	568.4
75-79	1,607	1,031.4	738	1,320.5	519	745.1	194	1,591.1	156	862.9
80-84	1,657	1,640.1	714	2,101.8	642	1,347.7	140	1,932.6	161	1,321.6
85+	4,020	4,391.4	1,330	5,120.5	2,054	4,331.5	207	3,870.6	429	3,351.3

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

TABLE 41
ALABAMA MALIGNANT NEOPLASM DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES MALIGNANT NEOPLASM DEATH RATES
1970-2019

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	162.8	4,943	143.3	3,633	143.3	1,310	143.4
1971	163.6	5,261	151.8	3,826	149.2	1,435	159.2
1972	166.0	5,437	156.1	4,044	156.1	1,393	155.8
1973	167.3	5,499	157.0	4,074	155.8	1,425	160.7
1974	170.5	5,755	163.5	4,293	162.6	1,462	166.2
1975	171.7	5,889	166.5	4,415	165.7	1,474	169.0
1976	175.8	6,046	170.1	4,452	165.5	1,594	184.3
1977	178.7	6,278	175.7	4,619	170.1	1,659	193.4
1978	181.9	6,507	173.9	4,740	169.5	1,767	186.9
1979	179.6	6,512	172.0	4,721	166.9	1,791	187.0
1980	183.9	7,024	180.0	5,197	180.6	1,827	178.6
1981	184.0	7,204	182.6	5,380	184.8	1,824	176.4
1982	187.2	7,343	183.8	5,489	186.1	1,854	177.2
1983	189.3	7,495	183.1	5,578	183.9	1,917	180.7
1984	191.8	7,845	189.8	5,828	190.2	2,017	188.9
1985	193.3	8,011	192.1	5,977	193.0	2,034	189.4
1986	194.7	8,206	200.1	6,177	204.4	2,029	188.0
1987	195.9	8,378	201.9	6,399	209.4	1,979	181.1
1988	197.3	8,502	202.6	6,365	206.0	2,137	193.2
1989	199.9	8,618	203.2	6,527	209.0	2,091	186.8
1990	201.7	8,697	215.2	6,485	217.9	2,212	207.7
1991	204.1	8,844	216.9	6,668	222.7	2,176	201.0
1992	204.1	9,005	221.2	6,761	225.3	2,244	209.8
1993	205.6	9,141	223.8	6,888	228.8	2,253	209.7
1994	205.2	9,442	230.3	7,138	236.4	2,304	213.4
1995	204.9	9,445	229.6	7,226	238.6	2,219	204.5
1996	203.4	9,524	230.7	7,286	239.9	2,238	205.2
1997	201.6	9,585	231.4	7,312	240.1	2,273	207.3
1998	200.3	9,687	233.1	7,422	243.1	2,265	205.5
1999	197.0	9,489	227.6	7,283	238.0	2,206	199.0
2000	196.5	9,772	219.7	7,549	238.7	2,223	173.1
2001	194.3	9,783	218.1	7,406	233.0	2,377	181.7
2002	193.7	9,685	214.0	7,427	232.5	2,258	169.5
2003	192.0	9,790	217.5	7,529	234.5	2,261	175.3
2004	189.2	9,745	215.1	7,509	232.1	2,236	172.6
2005	189.3	9,854	216.2	7,569	232.7	2,285	175.1
2006	187.6	9,759	212.2	7,539	230.1	2,220	167.9
2007	186.9	9,862	213.1	7,530	229.1	2,332	174.0
2008	186.0	10,152	217.8	7,791	235.3	2,361	174.8
2009	185.0	10,255	217.8	7,877	235.8	2,378	173.8
2010	186.2	10,156	212.5	7,842	239.4	2,314	153.8
2011	185.1	10,153	211.4	7,774	230.8	2,379	165.8
2012	185.6	10,264	212.9	7,865	233.1	2,399	165.7
2013	185.0	10,331	213.7	7,881	233.4	2,450	168.1
2014	185.6	10,285	212.1	7,848	232.4	2,437	165.6
2015	185.4	10,348	213.0	7,888	233.7	2,460	165.7
2016	185.1	10,419	214.2	7,991	236.9	2,428	162.9
2017	183.9	10,415	213.7	7,949	235.6	2,466	164.3
2018	183.2	10,630	217.5	8,173	241.8	2,457	162.9
2019	182.7	10,263	209.3	7,719	227.7	2,544	168.1

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, 2019

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	10,263	209.3	4,277	257.3	3,442	199.3	1,328	187.8	1,216	150.7
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	1	2.3	0	0.0
5-9	8	2.7	1	1.0	3	3.2	3	5.6	1	1.9
10-14	10	3.2	3	2.9	3	3.1	1	1.8	3	5.5
15-19	5	1.6	2	1.9	1	1.0	1	1.8	1	1.8
20-24	4	1.2	1	1.0	1	1.0	0	0.0	2	3.4
25-29	17	5.0	5	4.6	3	2.8	2	3.4	7	11.3
30-34	40	12.9	14	13.6	11	10.7	7	14.5	8	14.5
35-39	64	21.0	20	19.6	18	17.5	9	19.9	17	31.4
40-44	103	35.6	38	38.7	37	37.2	8	19.5	20	39.8
45-49	236	76.4	84	77.4	68	62.3	37	90.2	47	93.4
50-54	390	126.8	152	139.0	112	101.5	64	160.5	62	129.1
55-59	857	254.8	340	285.2	257	208.7	146	346.3	114	220.1
60-64	1,236	384.6	490	436.3	352	292.3	213	543.5	181	366.3
65-69	1,546	561.3	661	685.4	440	408.9	259	838.1	186	459.4
70-74	1,665	736.7	732	891.3	568	598.9	198	940.3	167	597.0
75-79	1,469	942.8	639	1,143.4	518	743.7	171	1,402.4	141	779.9
80-84	1,247	1,234.3	567	1,669.1	463	972.0	112	1,546.1	105	861.9
85+	1,365	1,491.1	528	2,032.8	587	1,237.9	96	1,795.1	154	1,203.0

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

TABLE 43
MALIGNANT NEOPLASM DEATHS AND DEATH RATES¹ BY PRIMARY SITE AND SEX
ALABAMA, 2019

PRIMARY SITE	ICD-10 CODE	TOTAL		MALE		FEMALE	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	C00-C97	10,263	209.3	5,605	236.5	4,658	183.8
Lip, oral cavity and pharynx	C00-C14	206	4.2	150	6.3	56	2.2
Esophagus	C15	244	5.0	203	8.6	41	1.6
Stomach	C16	203	4.1	110	4.6	93	3.7
Colon, rectum and anus	C18-C21	900	18.4	482	20.3	418	16.5
Liver and intrahepatic bile ducts	C22	489	10.0	306	12.9	183	7.2
Pancreas	C25	744	15.2	373	15.7	371	14.6
Larynx	C32	78	1.6	59	2.5	19	0.7
Trachea, bronchus and lung	C33-C34	2,745	56.0	1,665	70.3	1,080	42.6
Skin	C43	117	2.4	73	3.1	44	1.7
Breast	C50	716	14.6	6	0.3	710	28.0
Cervix uteri	C53	84	1.7	... ²	... ²	84	3.3
Corpus uteri and uterus, part unspecified	C54-C55	137	2.8	... ²	... ²	137	5.4
Ovary	C56	220	4.5	... ²	... ²	220	8.7
Prostate	C61	507	10.3	507	21.4	... ²	... ²
Kidney and renal pelvis	C64-C65	222	4.5	152	6.4	70	2.8
Bladder	C67	262	5.3	176	7.4	86	3.4
Meninges, brain and other parts of central nervous system	C70-C72	309	6.3	171	2.7	138	2.0
Lymphoid, hematopoietic and related tissue		887	18.1	511	21.6	376	14.8
Hodgkin's disease	C81	15	0.3	13	0.5	2	0.1
Non-Hodgkin's lymphoma	C82-C85	295	6.0	173	7.3	122	4.8
Leukemia	C91-C95	345	7.0	193	8.1	152	6.0
Multiple myeloma and immunoproliferative neoplasms	C88 or C90	228	4.7	130	2.7	98	2.0
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96	4	0.1	2	0.1	2	0.1
All other and unspecified malignant neoplasms	C00-C97 not listed above	1,193	24.3	661	27.9	532	21.0

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
1970-2019**

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	101.9	4,618	133.9	3,001	118.4	1,617	177.0
1971	101.1	4,601	132.7	3,046	118.7	1,555	172.5
1972	102.5	4,713	135.3	3,116	120.3	1,597	178.6
1973	102.1	4,953	141.4	3,293	125.9	1,660	187.2
1974	98.1	4,571	129.9	3,059	115.9	1,512	171.9
1975	91.1	4,241	119.9	2,846	106.8	1,395	160.0
1976	87.9	4,291	120.7	2,839	105.5	1,452	167.9
1977	84.1	4,052	113.4	2,705	99.6	1,347	157.1
1978	80.5	3,835	102.5	2,626	93.9	1,209	127.9
1979	75.5	3,487	92.1	2,409	85.2	1,078	112.6
1980	75.1	3,465	88.8	2,348	81.6	1,117	109.2
1981	71.3	3,462	87.7	2,347	80.6	1,115	107.8
1982	68.1	3,365	84.2	2,292	77.7	1,073	102.6
1983	66.6	3,152	77.0	2,137	70.5	1,015	95.7
1984	65.4	3,241	78.4	2,225	72.6	1,016	95.2
1985	64.3	3,304	79.2	2,283	73.7	1,021	95.1
1986	62.3	3,022	73.7	2,140	70.8	882	81.7
1987	61.8	3,000	72.3	2,065	67.6	935	85.5
1988	61.6	2,939	70.0	2,011	65.1	928	83.9
1989	59.0	2,905	68.5	2,014	64.5	891	79.6
1990	57.9	2,931	72.5	1,992	66.9	939	88.2
1991	56.9	2,829	69.4	1,996	66.7	833	77.0
1992	56.4	2,750	67.6	1,966	65.5	784	73.3
1993	58.2	2,833	69.4	2,034	67.6	799	74.4
1994	58.9	2,636	64.3	1,905	63.1	731	67.7
1995	60.1	2,793	67.9	2,007	66.3	786	72.4
1996	60.3	2,890	70.0	2,066	68.0	824	75.6
1997	59.7	2,922	70.6	2,150	70.6	772	70.4
1998	58.5	2,936	70.7	2,137	70.0	799	72.5
1999	60.0	3,137	75.3	2,341	76.5	796	71.8
2000	59.6	3,177	71.4	2,343	74.1	834	64.9
2001	57.4	2,983	66.5	2,214	69.7	769	58.8
2002	56.6	3,203	70.8	2,339	73.2	864	64.9
2003	54.4	3,020	67.1	2,225	69.3	795	61.6
2004	51.3	2,974	65.6	2,156	66.7	818	63.1
2005	48.6	2,940	64.5	2,131	65.5	809	62.0
2006	46.0	2,685	58.4	1,914	58.4	771	58.3
2007	45.1	2,693	58.2	1,951	59.3	742	55.4
2008	44.1	2,814	60.4	2,052	62.0	762	56.4
2009	42.0	2,647	56.2	1,943	58.2	704	51.4
2010	41.9	2,601	54.4	1,907	58.2	694	46.1
2011	41.4	2,538	52.8	1,868	55.5	670	46.7
2012	40.9	2,620	54.3	1,971	58.4	649	44.8
2013	40.8	2,589	53.6	1,927	57.1	662	45.4
2014	41.7	2,650	54.6	1,958	58.0	692	47.0
2015	43.7	2,937	60.4	2,173	64.4	764	51.5
2016	44.0	2,962	60.9	2,185	64.8	777	52.1
2017	44.9	2,932	60.1	2,176	64.5	756	50.4
2018	45.2	3,088	63.2	2,215	65.5	873	57.9
2019	45.7	3,139	64.0	2,276	67.2	863	57.0

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, 2019**

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	3,139	64.0	977	58.8	1,299	75.2	417	59.0	446	55.3
Under 1	1	1.7	0	0.0	0	0.0	0	0.0	1	9.4
1-4	3	1.3	1	1.3	0	0.0	0	0.0	2	4.7
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	1	0.3	0	0.0	0	0.0	1	1.8	0	0.0
15-19	1	0.3	1	1.0	0	0.0	0	0.0	0	0.0
20-24	3	0.9	1	1.0	1	1.0	0	0.0	1	1.7
25-29	5	1.5	0	0.0	2	1.9	3	5.1	0	0.0
30-34	12	3.9	3	2.9	1	1.0	3	6.2	5	9.1
35-39	23	7.6	4	3.9	3	2.9	9	19.9	7	12.9
40-44	28	9.7	13	13.2	4	4.0	8	19.5	3	6.0
45-49	52	16.8	15	13.8	19	17.4	13	31.7	5	9.9
50-54	84	27.3	33	30.2	22	19.9	17	42.6	12	25.0
55-59	135	40.1	44	36.9	23	18.7	35	83.0	33	63.7
60-64	204	63.5	68	60.6	57	47.3	54	137.8	25	50.6
65-69	291	105.6	97	100.6	87	80.8	70	226.5	37	91.4
70-74	327	144.7	116	141.2	115	121.3	49	232.7	47	168.0
75-79	421	270.2	153	273.8	169	242.6	54	442.9	45	248.9
80-84	534	528.5	161	473.9	253	531.1	51	704.0	69	566.4
85+	1,014	1,107.7	267	1,028.0	543	1,145.1	50	934.9	154	1,203.0

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

TABLE 46

**ALABAMA CHRONIC LOWER RESPIRATORY DISEASE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES CHRONIC LOWER RESPIRATORY DISEASE DEATH RATES
1980-2019**

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1980	24.7	881	22.6	752	26.1	129	12.6
1981	25.7	1,022	25.8	880	30.2	142	13.7
1982	25.8	1,012	25.4	879	29.8	133	12.7
1983	28.3	1,063	26.0	951	31.4	112	10.6
1984	29.2	1,234	29.9	1,076	35.1	158	14.8
1985	31.3	1,340	32.1	1,160	37.5	180	16.8
1986	31.8	1,361	33.2	1,175	38.9	186	17.2
1987	32.2	1,281	30.9	1,109	36.3	172	15.7
1988	33.7	1,454	34.7	1,257	40.7	197	17.8
1989	34.0	1,417	33.4	1,227	39.3	190	17.0
1990	34.9	1,504	37.2	1,297	43.6	207	19.4
1991	35.9	1,620	39.7	1,413	47.2	207	19.1
1992	36.0	1,461	35.9	1,275	42.5	186	17.4
1993	39.2	1,675	41.0	1,432	47.6	243	22.6
1994	39.0	1,806	44.1	1,562	51.7	244	22.6
1995	39.2	1,663	40.4	1,451	47.9	212	19.5
1996	40.0	1,724	41.8	1,491	49.1	233	21.4
1997	40.7	1,858	44.9	1,604	52.7	254	23.2
1998	41.7	1,994	48.0	1,755	57.5	239	21.7
1999	44.5	2,174	52.2	1,944	63.5	230	20.8
2000	43.4	2,043	45.9	1,818	57.5	225	17.5
2001	43.2	2,196	48.9	1,964	61.8	232	17.7
2002	43.4	2,328	51.4	2,061	64.5	267	20.0
2003	43.6	2,426	53.9	2,159	67.2	267	20.7
2004	41.7	2,359	52.1	2,087	64.5	272	21.0
2005	44.3	2,371	52.0	2,108	64.8	263	20.2
2006	41.8	2,277	49.5	2,038	62.2	239	18.1
2007	42.5	2,510	54.2	2,247	68.4	263	19.6
2008	46.4	2,723	58.4	2,422	73.1	301	22.3
2009	44.8	2,761	58.6	2,480	74.2	281	20.5
2010	44.7	2,845	59.5	2,547	77.8	298	19.8
2011	45.9	2,892	60.2	2,576	76.5	316	22.0
2012	45.7	3,006	62.3	2,714	80.4	292	20.2
2013	47.2	3,040	62.9	2,714	80.4	326	22.4
2014	46.1	3,046	62.8	2,728	80.8	318	21.6
2015	48.2	3,275	67.4	2,937	87.0	338	22.8
2016	47.8	3,325	68.4	2,962	87.8	363	24.3
2017	49.2	3,484	71.5	3,087	91.5	397	26.5
2018	48.7	3,595	73.5	3,171	93.8	424	28.1
2019	47.8	3,530	72.0	3,110	91.8	420	27.7

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, 2019

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	3,530	72.0	1,480	89.0	1,630	94.4	246	34.8	174	21.6
Under 1	2	3.4	2	10.5	0	0.0	0	0.0	0	0.0
1-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	2	0.7	1	1.0	1	1.1	0	0.0	0	0.0
10-14	2	0.6	2	1.9	0	0.0	0	0.0	0	0.0
15-19	2	0.6	0	0.0	0	0.0	2	3.6	0	0.0
20-24	1	0.3	0	0.0	0	0.0	1	1.8	0	0.0
25-29	2	0.6	0	0.0	1	0.9	1	1.7	0	0.0
30-34	5	1.6	0	0.0	1	1.0	2	4.1	2	3.6
35-39	9	3.0	3	2.9	3	2.9	2	4.4	1	1.8
40-44	10	3.5	2	2.0	5	5.0	1	2.4	2	4.0
45-49	33	10.7	9	8.3	19	17.4	4	9.8	1	2.0
50-54	81	26.3	23	21.0	44	39.9	8	20.1	6	12.5
55-59	178	52.9	68	57.0	83	67.4	16	38.0	11	21.2
60-64	319	99.3	143	127.3	129	107.1	28	71.4	19	38.4
65-69	448	162.6	202	209.4	181	168.2	33	106.8	32	79.0
70-74	580	256.6	252	306.8	265	279.4	39	185.2	24	85.8
75-79	609	390.9	290	518.9	265	380.5	31	254.2	23	127.2
80-84	545	539.4	214	629.9	266	558.4	40	552.2	25	205.2
85+	702	766.9	269	1,035.7	367	773.9	38	710.5	28	218.7

¹Rate 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
1970-2019

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	56.4	2,457	71.2	1,702	67.1	755	82.6
1971	55.0	2,603	74.9	1,817	71.0	786	86.0
1972	55.4	2,528	72.0	1,800	69.5	728	79.3
1973	55.2	2,577	72.7	1,817	69.3	760	82.4
1974	49.5	2,347	65.6	1,677	63.2	670	72.3
1975	48.4	2,204	61.0	1,562	58.2	642	69.0
1976	46.9	2,305	63.1	1,617	59.5	688	73.5
1977	47.7	2,459	66.6	1,746	63.5	713	75.9
1978	48.4	2,480	66.3	1,793	64.1	687	72.7
1979	46.9	2,161	57.1	1,551	54.8	610	63.7
1980	46.7	2,295	58.8	1,596	55.5	699	68.3
1981	43.9	2,160	54.7	1,551	53.3	609	58.9
1982	40.6	1,907	47.7	1,439	48.8	468	44.7
1983	39.5	2,037	49.8	1,473	48.6	564	53.2
1984	39.3	1,958	47.4	1,461	47.7	497	46.6
1985	39.1	1,985	47.6	1,400	45.2	585	54.5
1986	39.5	2,204	53.7	1,623	53.7	581	53.8
1987	39.0	2,169	52.3	1,564	51.2	605	55.4
1988	39.5	2,165	51.6	1,537	49.7	628	56.8
1989	38.3	2,186	52.1	1,581	51.2	605	54.7
1990	37.0	2,299	56.9	1,697	57.0	602	56.5
1991	35.4	2,201	54.0	1,605	53.6	596	55.1
1992	34.0	2,049	50.3	1,508	50.3	541	50.6
1993	35.1	2,143	52.5	1,546	51.4	597	55.6
1994	35.1	2,148	52.4	1,565	51.8	583	54.0
1995	35.5	2,232	54.3	1,620	53.5	612	56.4
1996	35.8	2,237	54.2	1,675	55.2	562	51.5
1997	35.7	2,313	55.9	1,749	57.4	564	51.4
1998	34.5	2,209	53.2	1,680	55.0	529	48.0
1999	35.1	2,284	54.8	1,667	54.5	617	55.7
2000	34.8	2,097	47.2	1,567	49.5	530	41.3
2001	35.6	2,187	48.7	1,648	51.9	539	41.2
2002	37.1	2,212	48.9	1,732	54.2	480	36.0
2003	37.7	2,183	48.5	1,658	51.6	525	40.7
2004	38.3	2,381	52.6	1,811	56.0	570	44.0
2005	39.9	2,368	52.0	1,796	55.2	572	43.8
2006	40.8	2,451	53.3	1,925	58.8	526	39.8
2007	41.1	2,476	53.5	1,971	60.0	505	37.7
2008	40.1	2,497	53.6	2,004	60.5	493	36.5
2009	38.5	2,342	49.7	1,903	57.0	439	32.1
2010	39.1	2,369	49.6	1,891	57.7	478	31.8
2011	40.6	2,596	54.1	2,064	61.3	532	37.1
2012	40.7	2,255	46.8	1,800	53.4	455	31.4
2013	41.3	2,302	47.6	1,819	53.9	483	33.1
2014	42.6	2,421	49.9	1,930	57.1	491	33.4
2015	45.6	2,529	52.0	1,987	58.9	542	36.5
2016	49.9	2,747	56.5	2,119	62.8	628	42.1
2017	52.2	2,700	55.4	2,109	62.5	591	39.4
2018	51.1	2,682	54.9	2,026	59.9	656	43.5
2019	52.7	2,757	56.2	2,112	62.3	645	42.6

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, 2019

AGE GROUP	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,757	56.2	2,112	62.3	645	42.6
Under 1	21	35.7	16	42.7	5	23.3
1-4	45	19.1	30	20.0	15	17.5
5-9	19	6.4	12	6.2	7	6.6
10-14	18	5.8	13	6.5	5	4.6
15-19	103	32.8	77	38.0	26	23.4
20-24	166	51.5	111	53.8	55	47.5
25-29	190	56.2	139	64.0	51	42.2
30-34	223	72.1	172	83.6	51	49.3
35-39	206	67.7	150	73.3	56	56.3
40-44	213	73.7	168	84.9	45	49.3
45-49	184	59.6	147	67.5	37	40.5
50-54	185	60.1	139	63.2	46	52.3
55-59	197	58.6	144	59.4	53	56.4
60-64	186	57.9	128	55.0	58	65.5
65-69	165	59.9	124	60.8	41	57.4
70-74	144	63.7	120	67.8	24	49.0
75-79	132	84.7	111	88.4	21	69.4
80-84	142	140.5	123	150.7	19	97.8
85+	218	238.1	188	256.2	30	165.3

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

TABLE 50
ACCIDENTAL DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2019

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,757	56.2	1,391	83.7	721	41.7	458	64.8	187	23.2
Under 1	21	35.7	10	52.3	6	32.8	4	37.0	1	9.4
1-4	45	19.1	19	24.8	11	15.0	8	18.5	7	16.5
5-9	19	6.4	6	6.1	6	6.4	5	9.4	2	3.8
10-14	18	5.8	10	9.7	3	3.1	3	5.4	2	3.7
15-19	103	32.8	54	52.2	23	23.2	17	30.6	9	16.2
20-24	166	51.5	73	69.6	38	37.5	39	69.1	16	27.0
25-29	190	56.2	105	95.8	34	31.6	36	61.0	15	24.2
30-34	223	72.1	115	111.8	57	55.4	37	76.4	14	25.4
35-39	206	67.7	101	99.0	49	47.7	43	95.1	13	24.0
40-44	213	73.7	119	121.0	49	49.2	34	82.8	11	21.9
45-49	184	59.6	106	97.7	41	37.6	31	75.6	6	11.9
50-54	185	60.1	94	85.9	45	40.8	38	95.3	8	16.7
55-59	197	58.6	111	93.1	33	26.8	43	102.0	10	19.3
60-64	186	57.9	87	77.5	41	34.0	41	104.6	17	34.4
65-69	165	59.9	86	89.2	38	35.3	30	97.1	11	27.2
70-74	144	63.7	73	88.9	47	49.6	20	95.0	4	14.3
75-79	132	84.7	71	127.0	40	57.4	11	90.2	10	55.3
80-84	142	140.5	65	191.3	58	121.8	5	69.0	14	114.9
85+	218	238.1	86	331.1	102	215.1	13	243.1	17	132.8

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

TABLE 51
ACCIDENTAL DEATHS BY TYPE OF ACCIDENT AND AGE GROUP
ALABAMA, 2019

TYPE OF ACCIDENT (ICD-10 CODE)	TOTAL	AGE GROUP										
		Under 1	1- 4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL	2,757	21	45	37	269	413	419	369	383	309	274	218
Occupant of railway train (V81.0-V-81.8)	0	0	0	0	0	0	0	0	0	0	0	0
Motor vehicle ¹	1,013	1	11	20	176	183	163	132	144	103	53	27
Drowning (W65-W74)	81	2	16	4	11	7	6	10	8	8	8	1
Air and space transport (V95-V97)	4	0	0	0	0	0	1	1	0	2	0	0
Poisoning (X40-X49)	739	1	1	0	51	188	200	149	111	23	10	5
Falls (W00-W19)	295	0	0	0	3	2	5	17	32	64	85	87
Smoke, fire and flames (X00-X09)	87	0	7	2	4	4	12	10	10	18	13	7
Contact with venomous life forms (X20-X29)	3	0	0	0	0	0	0	2	0	0	1	0
Excessive natural heat (X30)	18	1	2	0	0	0	4	3	3	2	3	0
Excessive natural cold (X31)	8	0	0	0	0	0	2	1	1	2	1	1
Lightning (X33)	2	0	0	0	0	1	0	0	1	0	0	0
Cataclysmic storms and floods (X37-X38)	25	0	0	4	2	1	3	2	7	3	1	2
Suffocation (W75-W84)	116	16	3	1	4	6	1	10	15	20	19	21
Struck by falling objects, etc. (W20)	23	0	1	0	2	5	3	1	4	5	2	0
Firearms (W32-W34)	29	0	3	4	4	3	1	5	2	3	4	0
Electrocution (W85-W87)	7	0	0	0	2	1	2	1	0	1	0	0
All other accidents and late effects	307	0	1	2	10	12	16	25	45	55	74	67

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
1980-2019

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1980	17.0	664	17.0	377	13.1	227	22.2
1981	15.1	632	16.0	397	13.6	235	22.7
1982	14.9	637	15.9	419	14.2	218	20.8
1983	15.5	603	14.7	369	12.2	234	22.1
1984	15.1	661	16.0	387	12.6	274	25.7
1985	15.5	720	17.3	421	13.6	299	27.8
1986	15.4	712	17.4	410	13.6	302	28.0
1987	15.8	670	16.1	402	13.2	268	24.5
1988	16.4	777	18.5	459	14.9	318	28.7
1989	18.9	724	17.1	442	14.2	282	25.2
1990	19.2	850	21.0	507	17.0	343	32.2
1991	19.4	891	21.9	547	18.3	344	31.8
1992	19.6	850	20.9	505	16.8	345	32.3
1993	20.9	856	21.0	515	17.1	341	31.7
1994	21.8	1,071	26.1	645	21.4	426	39.5
1995	22.6	1,151	28.0	707	23.3	444	40.9
1996	23.3	1,127	27.3	695	22.9	432	39.6
1997	23.4	1,173	28.3	699	23.0	474	43.2
1998	24.0	1,303	31.4	778	25.5	525	47.6
1999	24.5	1,337	32.1	826	27.0	511	46.1
2000	24.6	1,315	29.6	832	26.3	483	37.6
2001	25.0	1,339	29.8	820	25.8	519	39.7
2002	25.5	1,485	32.8	901	28.2	584	43.8
2003	25.6	1,411	31.4	892	27.8	519	40.2
2004	25.0	1,442	31.8	856	26.5	586	45.2
2005	25.4	1,420	31.2	885	27.2	535	41.0
2006	24.3	1,430	31.1	888	27.1	542	41.0
2007	23.7	1,288	27.8	801	24.4	487	36.3
2008	23.2	1,380	29.6	841	25.4	539	39.9
2009	22.4	1,271	27.0	760	22.8	511	37.3
2010	22.4	1,314	27.5	818	25.0	496	33.0
2011	23.7	1,255	26.1	787	23.4	468	32.6
2012	23.6	1,295	26.9	807	23.9	488	33.7
2013	23.9	1,346	27.8	870	25.8	476	32.7
2014	24.0	1,277	26.3	786	23.3	491	33.4
2015	24.7	1,253	25.8	755	22.4	498	33.5
2016	24.8	1,181	24.3	739	21.9	442	29.6
2017	25.7	1,172	24.0	707	21.0	465	31.0
2018	26.0	1,176	24.1	741	21.9	435	28.8
2019	26.7	1,223	24.9	755	22.3	468	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, 2019

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	1,223	24.9	467	28.1	288	16.7	238	33.7	230	28.5
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	1	0.3	0	0.0	0	0.0	1	1.8	0	0.0
20-24	3	0.9	0	0.0	2	2.0	0	0.0	1	1.7
25-29	8	2.4	5	4.6	0	0.0	2	3.4	1	1.6
30-34	14	4.5	2	1.9	2	1.9	4	8.3	6	10.9
35-39	22	7.2	5	4.9	3	2.9	10	22.1	4	7.4
40-44	23	8.0	5	5.1	3	3.0	11	26.8	4	8.0
45-49	40	12.9	11	10.1	12	11.0	10	24.4	7	13.9
50-54	70	22.8	31	28.3	11	10.0	12	30.1	16	33.3
55-59	114	33.9	41	34.4	21	17.1	29	68.8	23	44.4
60-64	139	43.3	52	46.3	26	21.6	36	91.9	25	50.6
65-69	179	65.0	67	69.5	39	36.2	37	119.7	36	88.9
70-74	167	73.9	78	95.0	41	43.2	27	128.2	21	75.1
75-79	171	109.7	67	119.9	41	58.9	26	213.2	37	204.7
80-84	123	121.7	43	126.6	40	84.0	19	262.3	21	172.4
85+	149	162.8	60	231.0	47	99.1	14	261.8	28	218.7

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

TABLE 54
ALABAMA ALZHEIMER'S DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES ALZHEIMER'S DEATH RATES
1980-2019

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1980	0.4	14	0.4	12	0.4	2	0.2
1981	15.1	32	0.8	30	1.0	2	0.2
1982	1.1	46	1.2	42	1.4	4	0.4
1983	1.9	58	1.4	56	1.8	2	0.2
1984	2.7	114	2.8	100	3.3	14	1.3
1985	3.5	136	3.3	124	4.0	12	1.1
1986	3.9	172	4.2	159	5.3	13	1.2
1987	4.7	181	4.4	158	5.2	23	2.1
1988	5.0	224	5.3	198	6.4	26	2.4
1989	5.3	237	5.6	214	6.9	23	2.1
1990	5.5	275	6.8	244	8.2	31	2.9
1991	5.6	250	6.1	221	7.4	29	2.7
1992	5.7	278	6.8	233	7.8	45	4.2
1993	6.5	323	7.9	278	9.2	45	4.2
1994	7.1	342	8.3	299	9.9	43	4.0
1995	7.8	426	10.4	357	11.8	69	6.4
1996	8.1	441	10.7	382	12.6	59	5.4
1997	8.4	459	11.1	407	13.4	52	4.7
1998	8.4	450	10.8	394	12.9	56	5.1
1999	16.0	772	18.5	668	21.8	104	9.4
2000	17.6	891	20.0	753	23.8	138	10.7
2001	18.9	1,100	24.5	938	29.5	162	12.4
2002	20.5	1,189	26.3	1,031	32.3	158	11.9
2003	21.9	1,266	28.1	1,063	33.1	203	15.7
2004	22.5	1,385	30.6	1,160	35.9	225	17.4
2005	24.2	1,494	32.8	1,276	39.2	218	16.7
2006	24.3	1,487	32.3	1,278	39.0	209	15.8
2007	24.8	1,506	32.5	1,266	38.5	240	17.9
2008	27.1	1,516	32.5	1,286	38.8	230	17.0
2009	25.8	1,510	32.1	1,274	38.1	236	17.2
2010	27.0	1,518	31.8	1,302	39.8	216	14.4
2011	27.3	1,470	30.6	1,241	36.8	229	16.0
2012	26.6	1,386	28.7	1,187	35.2	199	13.7
2013	26.8	1,399	28.9	1,189	35.2	210	14.5
2014	29.3	1,881	38.8	1,565	46.3	316	21.5
2015	34.4	2,281	46.9	1,878	55.7	403	27.1
2016	35.9	2,506	51.5	2,123	62.9	383	25.7
2017	37.3	2,562	52.6	2,136	63.3	426	28.4
2018	37.3	2,616	53.5	2,187	64.7	429	28.4
2019	37.0	2,659	54.2	2,235	65.9	424	28.0

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, 2019

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,659	54.2	689	41.4	1,546	89.5	121	17.1	303	37.6
Under 1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
25-29	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
30-34	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
35-39	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
40-44	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
45-49	1	0.3	0	0.0	0	0.0	0	0.0	1	2.0
50-54	4	1.3	1	0.9	2	1.8	1	2.5	0	0.0
55-59	3	0.9	1	0.8	0	0.0	2	4.7	0	0.0
60-64	25	7.8	7	6.2	15	12.5	1	2.6	2	4.0
65-69	73	26.5	18	18.7	36	33.5	9	29.1	10	24.7
70-74	155	68.6	51	62.1	80	84.4	7	33.2	17	60.8
75-79	342	219.5	138	246.9	154	221.1	18	147.6	32	177.0
80-84	590	584.0	172	506.3	326	684.4	31	427.9	61	500.7
85+	1,466	1,601.4	301	1,158.9	933	1,967.5	52	972.3	180	1,406.1

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

TABLE 56
ALABAMA SUICIDE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES SUICIDE DEATH RATES
1970-2019

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	9.1	313	9.1	285	11.2	28	3.1
1971	15.1	360	10.4	333	13.0	27	3.0
1972	12.0	378	10.8	340	13.1	38	4.3
1973	12.0	352	10.1	317	12.1	35	3.9
1974	12.1	380	10.8	331	12.5	49	5.6
1975	12.7	394	11.1	353	13.2	41	4.7
1976	12.5	407	11.4	361	13.4	46	5.3
1977	13.3	405	11.3	369	13.6	36	4.2
1978	12.5	399	10.7	347	12.4	52	5.5
1979	12.1	417	11.0	368	13.0	49	5.1
1980	11.9	444	11.4	405	14.1	39	3.8
1981	12.0	398	10.1	353	12.1	45	4.4
1982	12.2	427	10.7	375	12.7	52	5.0
1983	12.1	428	10.5	385	12.7	43	4.1
1984	12.4	465	11.3	417	13.6	48	4.5
1985	12.3	442	10.6	399	12.9	43	4.0
1986	12.8	512	12.5	464	15.4	48	4.4
1987	12.7	450	10.8	401	13.1	49	4.5
1988	12.4	497	11.8	435	14.1	62	5.6
1989	12.2	516	12.2	451	14.4	65	5.8
1990	12.4	527	13.0	462	15.5	65	6.1
1991	12.2	573	14.1	498	16.6	75	6.9
1992	12.0	525	12.9	437	14.6	88	8.2
1993	12.1	575	14.1	490	16.3	85	7.9
1994	12.0	584	14.2	502	16.6	82	7.6
1995	11.9	564	13.7	479	15.8	85	7.8
1996	11.6	549	13.3	482	15.9	67	6.1
1997	11.4	531	12.8	456	15.0	75	6.8
1998	11.3	567	13.6	499	16.3	68	6.2
1999	10.5	560	13.4	498	16.3	62	5.6
2000	10.4	579	13.0	513	16.2	66	5.1
2001	10.7	508	11.3	450	14.2	58	4.4
2002	11.0	515	11.4	450	14.1	65	4.9
2003	10.9	525	11.7	472	14.7	53	4.1
2004	11.1	535	11.8	453	14.0	82	6.3
2005	11.0	526	11.5	460	14.1	66	5.1
2006	11.2	573	12.5	509	15.5	64	4.8
2007	11.5	586	12.7	530	16.1	56	4.2
2008	11.8	603	12.9	533	16.1	70	5.2
2009	12.0	667	14.2	602	18.0	65	4.7
2010	12.4	676	14.1	617	18.8	59	3.9
2011	12.7	640	13.3	567	16.8	73	5.1
2012	12.9	721	15.0	633	18.8	88	6.1
2013	13.0	719	14.9	649	19.2	70	4.8
2014	13.4	711	14.7	638	18.9	73	5.0
2015	13.7	748	15.4	672	19.9	76	5.1
2016	13.9	785	16.2	711	21.1	74	5.0
2017	14.5	834	17.1	750	22.2	84	5.6
2018	14.8	823	16.8	721	21.3	102	6.8
2019	14.5	804	16.4	711	21.0	93	6.1

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, 2019

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	804	16.4	554	33.3	157	9.1	76	10.7	17	2.1
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	10	3.2	8	7.8	0	0.0	2	3.6	0	0.0
15-19	36	11.5	17	16.4	7	7.1	9	16.2	3	5.4
20-24	58	18.0	39	37.2	5	4.9	11	19.5	3	5.1
25-29	56	16.6	36	32.8	9	8.4	9	15.3	2	3.2
30-34	73	23.6	56	54.5	9	8.8	5	10.3	3	5.4
35-39	84	27.6	56	54.9	20	19.5	7	15.5	1	1.8
40-44	73	25.2	46	46.8	16	16.1	9	21.9	2	4.0
45-49	71	23.0	45	41.5	21	19.2	3	7.3	2	4.0
50-54	66	21.5	44	40.2	15	13.6	7	17.6	0	0.0
55-59	58	17.2	40	33.6	15	12.2	3	7.1	0	0.0
60-64	61	19.0	36	32.1	21	17.4	4	10.2	0	0.0
65-69	36	13.1	27	28.0	4	3.7	4	12.9	1	2.5
70-74	48	21.2	38	46.3	8	8.4	2	9.5	0	0.0
75-79	30	19.3	27	48.3	2	2.9	1	8.2	0	0.0
80-84	21	20.8	19	55.9	2	4.2	0	0.0	0	0.0
85+	23	25.1	20	77.0	3	6.3	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
1970-2019

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	8.3	473	13.7	168	6.6	305	33.4
1971	9.1	526	15.2	188	7.3	338	37.5
1972	9.4	536	15.4	193	7.5	343	38.4
1973	9.8	540	15.4	213	8.1	327	36.9
1974	10.2	593	16.8	214	8.1	379	43.1
1975	10.0	613	17.3	243	9.1	370	42.4
1976	9.1	550	15.5	191	7.1	359	41.5
1977	9.2	546	15.3	203	7.5	343	40.0
1978	9.4	516	13.8	210	7.5	306	32.4
1979	10.0	531	14.0	181	6.4	350	36.5
1980	10.7	614	15.7	260	9.0	354	34.6
1981	10.3	554	14.0	217	7.5	337	32.6
1982	9.6	517	12.9	188	6.4	329	31.4
1983	8.6	423	10.3	165	5.4	258	24.3
1984	8.4	424	10.3	160	5.2	264	24.7
1985	8.3	468	11.2	180	5.8	288	26.8
1986	9.0	465	11.3	186	6.2	279	25.8
1987	8.7	471	11.4	201	6.6	270	24.7
1988	9.0	473	11.3	167	5.4	306	27.7
1989	9.2	512	12.1	195	6.2	317	28.3
1990	10.0	562	13.9	207	7.0	355	33.3
1991	10.5	608	14.9	191	6.4	417	38.5
1992	10.0	570	14.0	191	6.4	379	35.4
1993	10.1	599	14.7	217	7.2	382	35.6
1994	9.6	607	14.8	221	7.3	386	35.8
1995	8.2	588	14.3	207	6.8	381	35.1
1996	7.9	561	13.6	191	6.3	370	33.9
1997	7.4	535	12.9	182	6.0	353	32.2
1998	6.8	463	11.1	186	6.1	277	25.1
1999	6.1	438	10.5	180	5.9	258	23.3
2000	6.0	441	9.9	159	5.0	282	22.0
2001	7.1	424	9.5	185	5.8	239	18.3
2002	6.1	416	9.2	153	4.8	263	19.7
2003	6.1	436	9.7	161	5.0	275	21.3
2004	5.9	369	8.1	159	4.9	210	16.2
2005	6.1	428	9.4	138	4.2	290	22.2
2006	6.2	435	9.5	141	4.3	294	22.2
2007	6.1	477	10.3	176	5.4	301	22.5
2008	5.9	450	9.7	164	5.0	286	21.2
2009	5.5	411	8.7	172	5.1	239	17.5
2010	5.3	391	8.2	138	4.2	253	16.8
2011	5.1	379	7.9	130	3.9	249	17.4
2012	5.3	403	8.4	127	3.8	276	19.1
2013	5.1	420	8.7	134	4.0	286	19.6
2014	5.0	375	7.7	126	3.7	249	16.9
2015	5.5	472	9.7	158	4.7	314	21.2
2016	6.0	543	11.2	184	5.5	359	24.1
2017	6.0	601	12.3	168	5.0	433	28.9
2018	5.8	567	11.6	185	5.5	382	25.3
2019	5.8	587	12.0	180	5.0	407	26.9

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, 2019

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	587	12.0	131	7.9	49	2.8	348	49.2	59	7.3
Under 1	9	15.3	1	5.2	1	5.5	3	27.8	4	37.6
1-4	14	5.9	5	6.5	2	2.7	5	11.6	2	4.7
5-9	5	1.7	2	2.0	0	0.0	3	5.6	0	0.0
10-14	2	0.6	1	1.0	0	0.0	1	1.8	0	0.0
15-19	47	15.0	4	3.9	2	2.0	37	66.6	4	7.2
20-24	80	24.8	10	9.5	5	4.9	57	101.0	8	13.5
25-29	87	25.7	14	12.8	2	1.9	64	108.5	7	11.3
30-34	68	22.0	9	8.8	8	7.8	43	88.8	8	14.5
35-39	72	23.7	19	18.6	7	6.8	40	88.5	6	11.1
40-44	55	19.0	11	11.2	1	1.0	38	92.6	5	9.9
45-49	40	12.9	15	13.8	3	2.7	15	36.6	7	13.9
50-54	25	8.1	5	4.6	7	6.3	11	27.6	2	4.2
55-59	28	8.3	11	9.2	1	0.8	15	35.6	1	1.9
60-64	18	5.6	6	5.3	2	1.7	8	20.4	2	4.0
65-69	8	2.9	4	4.1	1	0.9	3	9.7	0	0.0
70-74	11	4.9	5	6.1	3	3.2	2	9.5	1	3.6
75-79	9	5.8	6	10.7	1	1.4	1	8.2	1	5.5
80-84	4	4.0	1	2.9	0	0.0	2	27.6	1	8.2
85+	5	5.5	2	7.7	3	6.3	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 60
INFANT DEATHS AND INFANT MORTALITY RATES¹ BY RACE²
ALABAMA AND UNITED STATES³, 1970-2019

YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE
	NUMBER	RATE		NUMBER	RATE		NUMBER	RATE	
1970	1,628	24.1	20.0	838	18.4	17.8	790	35.8	30.9
1971	1,566	23.5	19.1	797	18.0	17.1	769	34.1	28.5
1972	1,385	22.4	18.5	691	17.2	16.4	694	32.1	27.7
1973	1,313	22.1	17.7	679	17.5	15.8	634	30.7	26.2
1974	1,231	20.7	16.7	648	16.8	14.8	583	28.2	24.9
1975	1,130	19.5	16.1	553	14.7	14.2	577	28.3	24.2
1976	1,156	20.0	15.2	569	15.2	13.3	587	28.7	23.5
1977	1,053	17.0	14.1	538	13.4	12.3	515	23.8	21.7
1978	970	16.1	13.8	466	12.1	12.0	504	23.5	21.1
1979	891	14.3	13.1	448	11.3	11.4	443	19.5	19.8
1980	960	15.1	12.6	472	11.6	11.0	488	21.4	19.1
1981	796	12.9	11.9	404	10.2	10.5	392	18.0	17.8
1982	831	13.8	11.5	400	10.3	10.1	431	20.1	17.3
1983	774	13.1	11.2	397	10.3	9.7	377	18.3	16.8
1984	764	12.9	10.8	368	9.6	9.4	396	19.0	16.1
1985	752	12.6	10.6	405	10.4	9.3	347	16.8	15.8
1986	788	13.3	10.4	374	9.7	8.9	414	19.9	15.7
1987	726	12.2	10.1	338	8.5	8.6	388	18.7	15.4
1988	735	12.1	10.0	365	9.3	8.5	370	17.2	15.0
1989	756	12.1	9.8	375	9.4	8.2	381	17.0	15.2
1990	689	10.9	9.2	338	8.2	7.6	351	15.7	15.5
1991	704	11.2	8.9	330	8.1	7.3	374	16.9	15.1
1992	651	10.5	8.5	303	7.5	6.9	348	15.8	14.4
1993	636	10.3	8.4	314	7.9	6.8	322	14.8	14.1
1994	617	10.1	8.0	275	6.9	6.6	342	16.1	13.5
1995	592	9.8	7.6	282	7.1	6.3	310	15.0	12.6
1996	634	10.5	7.3	331	8.2	6.1	303	14.9	12.2
1997	579	9.5	7.2	302	7.5	6.0	277	13.5	11.8
1998	632	10.2	7.2	316	7.6	6.0	316	15.4	11.8
1999	607	9.8	7.1	289	6.9	5.8	318	15.6	12.0
2000	594	9.4	6.9	274	6.5	5.7	320	15.1	11.4
2001	567	9.4	6.9	275	6.8	5.7	292	14.7	11.3
2002	538	9.1	7.0	278	7.0	5.8	260	13.7	11.4
2003	519	8.7	6.9	264	6.5	5.7	255	13.6	11.1
2004	516	8.7	6.8	270	6.7	5.7	246	12.9	10.9
2005	561	9.3	6.9	293	7.2	5.7	268	13.8	10.9
2006	569	9.0	6.7	284	6.7	5.6	285	13.9	10.6
2007	641	10.0	6.8	345	8.0	5.6	296	14.0	10.6
2008	612	9.5	6.6	324	7.6	5.6	288	13.4	10.1
2009	513	8.2	6.4	254	6.1	5.3	259	12.6	9.9
2010	522	8.7	6.1	265	6.6	5.2	257	13.0	9.2
2011	481	8.1	6.1	242	6.1	5.1	239	12.2	9.2
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	4.9	288	14.4	8.9
2016	537	9.1	5.9	255	6.5	4.9	282	14.2	8.6
2017	435	7.4	5.8	213	5.5	4.9	222	11.0	8.5
2018	405	7.0	5.7	196	5.1	4.8	209	10.7	8.4
2019	449	7.7	5.5	214	5.6	4.6	235	11.4	8.4

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 1990-2019 are by race of mother.

³ U.S. rates (2007-2019) were obtained from CDC WONDER online database.

TABLE 61
NEONATAL DEATHS AND NEONATAL MORTALITY RATES¹ BY RACE²
ALABAMA AND UNITED STATES³, 1970-2019

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	7.0
2008	378	5.9	4.3	200	4.7	3.6	178	8.3	6.6
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	3.4	148	7.6	6.1
2012	337	5.8	4.0	169	4.4	3.4	168	8.5	5.9
2013	322	5.5	4.0	164	4.2	3.4	158	8.1	6.0
2014	307	5.2	4.0	144	3.6	3.3	163	8.1	5.8
2015	300	5.0	3.9	126	3.2	3.3	174	8.7	5.9
2016	324	5.5	3.9	144	3.7	3.3	180	9.1	5.7
2017	257	4.4	3.9	123	3.2	3.3	134	6.6	5.6
2018	252	4.4	3.8	125	3.3	3.2	127	6.5	5.5
2019	243	4.1	-- ³	114	3.0	-- ³	129	6.3	-- 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 1990-2019 are by race of mother.

³ U.S. rates (2007-2018) were obtained from CDC WONDER online database. U.S. rates are not available for 2019.

TABLE 62

**POSTNEONATAL DEATHS AND POSTNEONATAL MORTALITY RATES¹ BY RACE²
ALABAMA AND UNITED STATES³, 1970-2019**

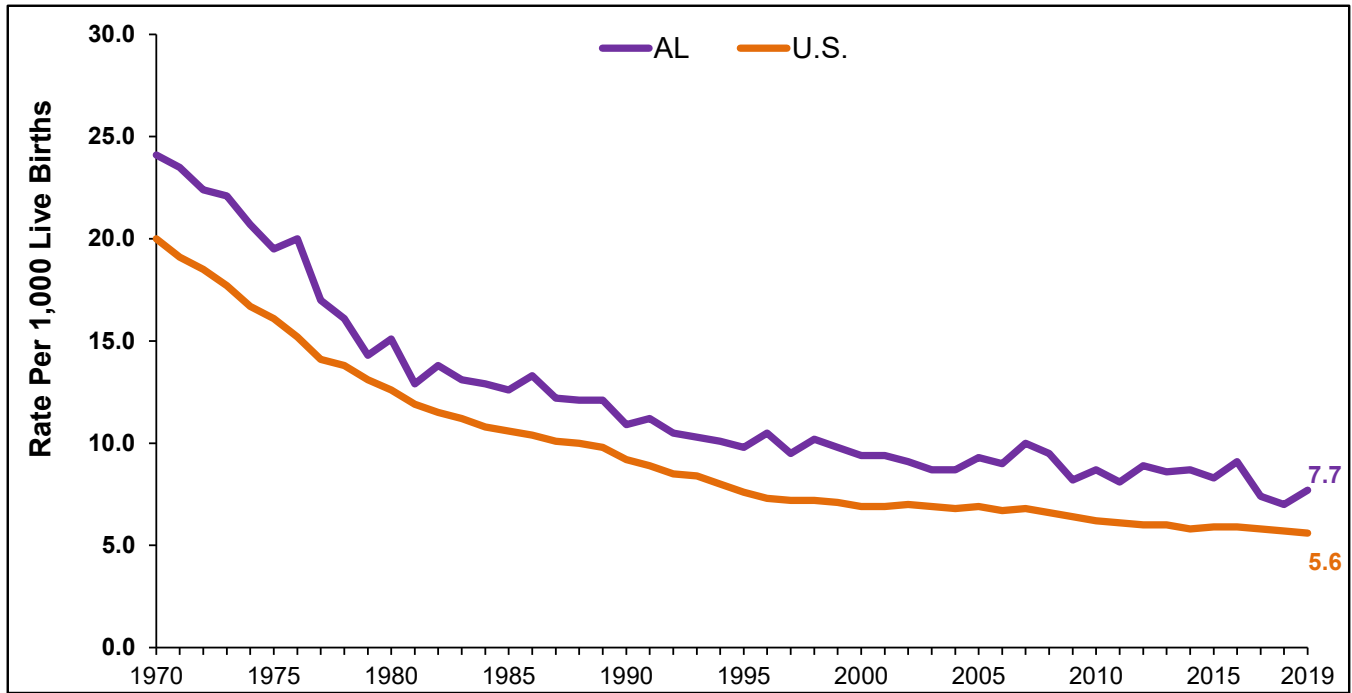
YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE
	NUMBER	RATE		NUMBER	RATE		NUMBER	RATE	
1970	457	6.8	4.9	171	3.8	4.0	286	12.9	9.5
1971	453	6.8	4.9	186	4.2	4.1	267	11.8	8.9
1972	427	6.9	4.9	175	4.4	4.0	252	11.6	8.5
1973	423	7.1	4.7	178	4.6	4.0	245	11.9	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	2.0	110	5.1	3.5
2009	200	3.2	2.2	105	2.5	1.9	95	4.6	3.4
2010	197	3.3	2.1	108	2.7	1.8	89	4.5	3.2
2011	175	3.0	2.0	84	2.1	1.7	91	4.7	3.0
2012	182	3.1	2.0	84	2.2	1.7	98	5.0	2.9
2013	178	3.1	1.9	102	2.6	1.6	76	3.9	2.8
2014	210	3.5	1.9	94	2.4	1.6	116	5.8	2.7
2015	194	3.3	2.0	80	2.0	1.6	114	5.7	3.0
2016	213	3.6	2.0	111	2.8	1.7	102	5.1	2.9
2017	178	3.0	1.9	90	2.3	1.6	88	4.4	2.9
2018	153	2.6	1.9	71	1.9	1.6	82	4.2	2.9
2019	206	3.5	-- ³	100	2.6	-- ³	106	5.1	-- 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 1990-2019 are by race of mother.

³ U.S. rates (2007-2018) were obtained from CDC WONDER online database. U.S. rates are not available for 2019.

**FIGURE 11. INFANT MORTALITY RATES
ALABAMA AND UNITED STATES, 1970-2019**



**FIGURE 12. NEONATAL AND POSNEONATAL MORTALITY RATES
ALABAMA, 1970-2019**

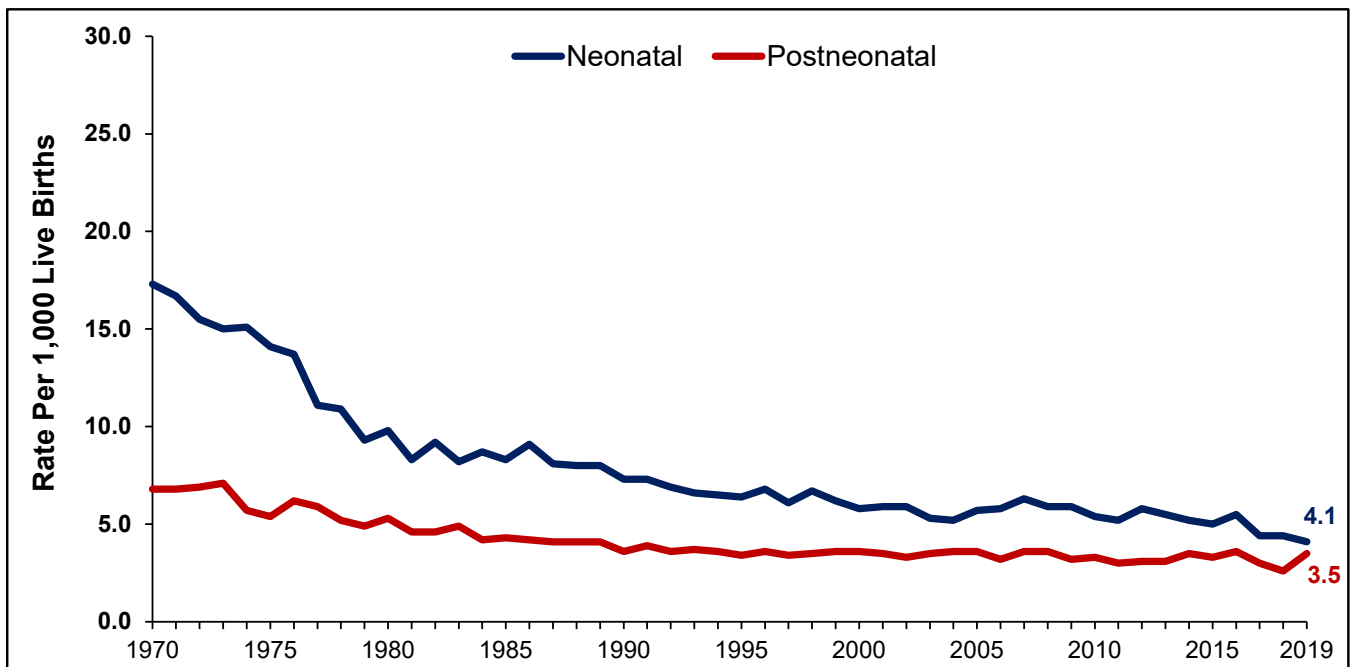


TABLE 63
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY COUNTY OF RESIDENCE AND RACE²
ALABAMA, 2019

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	449	7.7	214	5.6	235	11.4
Autauga	3	4.5	3	6.1	0	0.0
Baldwin	12	5.2	9	4.5	3	8.7
Barbour	3	10.8	1	8.6	2	12.4
Bibb	5	20.3	4	20.5	1	19.6
Blount	1	1.6	0	0.0	1	62.5
Bullock	0	0.0	0	0.0	0	0.0
Butler	1	4.5	0	0.0	1	7.3
Calhoun	9	6.5	5	5.0	4	10.4
Chambers	2	5.3	2	9.9	0	0.0
Cherokee	2	8.2	2	8.5	0	0.0
Chilton	3	5.1	2	3.8	1	16.9
Choctaw	0	0.0	0	0.0	0	0.0
Clarke	0	0.0	0	0.0	0	0.0
Clay	1	6.7	0	0.0	1	41.7
Cleburne	2	12.9	2	13.2	0	0.0
Coffee	3	4.5	3	6.1	0	0.0
Colbert	3	4.8	3	6.2	0	0.0
Conecuh	3	21.1	0	0.0	3	40.5
Coosa	2	26.3	1	17.2	1	55.6
Covington	2	4.8	2	5.7	0	0.0
Crenshaw	0	0.0	0	0.0	0	0.0
Cullman	5	5.2	5	5.3	0	0.0
Dale	6	9.0	4	8.5	2	10.0
Dallas	3	6.5	1	10.0	2	5.5
DeKalb	8	10.0	6	8.3	2	27.4
Elmore	11	11.6	6	9.0	5	18.1
Escambia	3	6.7	1	3.4	2	12.8
Etowah	7	5.7	5	5.4	2	6.4
Fayette	2	10.2	2	11.2	0	0.0
Franklin	2	4.7	2	5.3	0	0.0
Geneva	4	14.8	4	17.1	0	0.0
Greene	2	23.3	0	0.0	2	25.3
Hale	4	20.7	0	0.0	4	32.0
Henry	3	16.8	1	7.4	2	45.5
Houston	10	7.5	2	2.5	8	15.1
Jackson	5	9.2	5	10.2	0	0.0
Jefferson	85	10.0	32	7.3	53	12.9
Lamar	1	8.2	0	0.0	1	83.3
Lauderdale	5	5.2	3	3.7	2	13.5
Lawrence	0	0.0	0	0.0	0	0.0
Lee	8	4.2	3	2.4	5	8.1
Limestone	7	7.1	5	5.8	2	17.4
Lowndes	2	13.9	0	0.0	2	16.7
Macon	2	12.9	0	0.0	2	14.9
Madison	30	7.0	13	4.7	17	11.3
Marengo	5	21.8	1	9.1	4	33.6
Marion	2	5.8	2	6.0	0	0.0
Marshall	8	5.6	7	6.0	1	4.0
Mobile	37	6.9	12	4.4	25	9.5
Monroe	2	8.5	0	0.0	2	16.8
Montgomery	32	10.1	3	3.4	29	12.7
Morgan	9	6.3	5	4.2	4	15.9
Perry	1	9.4	0	0.0	1	11.0
Pickens	2	10.7	2	21.3	0	0.0
Pike	4	10.4	1	5.2	3	15.5
Randolph	4	16.4	4	21.1	0	0.0
Russell	8	9.7	2	4.7	6	15.0
St. Clair	5	4.9	3	3.3	2	16.3
Shelby	9	4.1	8	4.4	1	2.5
Sumter	1	7.5	0	0.0	1	9.3
Talladega	7	8.1	4	7.3	3	9.5
Tallapoosa	2	5.0	0	0.0	2	13.2
Tuscaloosa	29	11.0	12	8.6	17	13.8
Walker	7	8.8	6	8.3	1	13.0
Washington	0	0.0	0	0.0	0	0.0
Wilcox	0	0.0	0	0.0	0	0.0
Winston	3	13.6	3	13.8	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, 2019

AGE AT DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	449	7.7	214	5.6	235	11.4
Under 1 day	148	2.5	65	1.7	83	4.0
1 day - 6 days	32	0.5	19	0.5	13	0.6
7 days - 27 days	63	1.1	30	0.8	33	1.6
28 days - 364 days	206	3.5	100	2.6	106	5.1

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.

TABLE 65
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY LIVE BIRTH ORDER
ALABAMA, 2019

LIVE BIRTH ORDER	LIVE BIRTHS	INFANT DEATHS	RATE
TOTAL	58,615	449	7.7
First	18,402	178	9.7
Second	16,635	117	7.0
Third	11,029	93	8.4
Fourth	6,241	33	5.3
Fifth	3,186	13	4.1
Sixth	1,519	7	4.6
Seventh and above	1,533	8	5.2
Not stated	70	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, 2019

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	449	7.7	214	5.6	235	11.4
Certain infectious and parasitic diseases	20	34.1	6	15.8	14	67.9
Septicemia	6	10.2	1	2.6	5	24.2
Viral diseases	1	1.7	1	2.6	0	0.0
Other and unspecified infectious and parasitic diseases	13	22.2	4	10.5	9	43.6
Neoplasms	1	1.7	0	0.0	1	4.8
Malignant neoplasms	0	0.0	0	0.0	0	0.0
In situ neoplasms, benign neoplasms and uncertain or unknown neoplasms	1	1.7	0	0.0	1	4.8
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	1	1.7	1	2.6	0	0.0
Endocrine, nutritional and metabolic diseases	1	1.7	0	0.0	1	4.8
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	0	0.0	1	4.8
Diseases of the nervous system	9	15.4	5	13.2	4	19.4
Meningitis	1	1.7	1	2.6	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	3	5.1	2	5.3	1	4.8
Other diseases of the nervous system	5	8.5	2	5.3	3	14.5
Diseases of the ear and mastoid process	0	0.0	0	0.0	0	0.0
Diseases of the circulatory system	12	20.5	6	15.8	6	29.1
Pulmonary heart disease and diseases of pulmonary circulation	5	8.5	3	7.9	2	9.7
Cardiomyopathy	2	3.4	2	5.3	0	0.0
Cardiac arrest	1	1.7	0	0.0	1	4.8
Cerebrovascular diseases	1	1.7	0	0.0	1	4.8
Other diseases of the circulatory system	3	5.1	1	2.6	2	9.7
Diseases of the respiratory system	9	15.4	3	7.9	6	29.1
Acute upper respiratory infections	0	0.0	0	0.0	0	0.0
Influenza and pneumonia	1	1.7	0	0.0	1	4.8
Acute bronchitis and acute bronchiolitis	2	3.4	0	0.0	2	9.7
Bronchitis, chronic and unspecified	1	1.7	1	2.6	0	0.0
Asthma	1	1.7	1	2.6	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	4	6.8	1	2.6	3	14.5
Diseases of the digestive system	2	3.4	2	5.3	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	1	1.7	1	2.6	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	5	8.5	3	7.9	2	9.7
Renal failure and other disorders of the kidney	3	5.1	2	5.3	1	4.8
Other and unspecified diseases of the genitourinary system	2	3.4	1	2.6	1	4.8

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

TABLE 66 (Continued)
INFANT DEATHS AND INFANT MORTALITY RATES¹ BY CAUSE OF DEATH AND RACE OF CHILD
ALABAMA, 2019

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	449	7.7	214	5.6	235	11.4
Certain conditions originating in the perinatal period	180	307.1	72	189.5	108	523.5
Newborn affected by maternal factors and complications of pregnancy, labor and delivery	24	40.9	6	15.8	18	87.3
Newborn affected by maternal hypertensive disorders	1	1.7	0	0.0	1	4.8
Newborn affected by other maternal conditions which may be unrelated to present pregnancy	1	1.7	0	0.0	1	4.8
Newborn affected by maternal complications of pregnancy	10	17.1	2	5.3	8	38.8
Newborn affected by incompetent cervix	3	5.1	0	0.0	3	14.5
Newborn affected by premature rupture of membranes	6	10.2	2	5.3	4	19.4
Newborn affected by multiple pregnancy	0	0.0	0	0.0	0	0.0
Newborn affected by other maternal complications of pregnancy	1	1.7	0	0.0	1	4.8
Newborn affected by complications of placenta, cord and membranes	11	18.8	3	7.9	8	38.8
Newborn affected by complications involving placenta	2	3.4	0	0.0	2	9.7
Newborn affected by complications involving cord	1	1.7	0	0.0	1	4.8
Newborn affected by chorioamnionitis	8	13.6	3	7.9	5	24.2
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	1	2.6	0	0.0
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	70	119.4	24	63.2	46	223.0
Slow growth and fetal malnutrition	2	3.4	0	0.0	2	9.7
Disorders related to short gestation and low birth weight, not elsewhere classified	68	116.0	24	63.2	44	213.3
Extremely low birth weight or extreme immaturity	51	87.0	16	42.1	35	169.7
Other low birth weight or preterm	17	29.0	8	21.1	9	43.6
Disorders related to long gestation and high birthweight	0	0.0	0	0.0	0	0.0
Birth trauma	0	0.0	0	0.0	0	0.0
Intrauterine hypoxia and birth asphyxia	2	3.4	1	2.6	1	4.8
Intrauterine hypoxia	1	1.7	1	2.6	0	0.0
Birth asphyxia	1	1.7	0	0.0	1	4.8
Respiratory distress of newborn	8	13.6	3	7.9	5	24.2
Other respiratory conditions originating in the perinatal period	14	23.9	5	13.2	9	43.6
Congenital pneumonia	1	1.7	0	0.0	1	4.8
Neonatal aspiration syndromes	0	0.0	0	0.0	0	0.0
Interstitial emphysema and related conditions originating in the perinatal period	0	0.0	0	0.0	0	0.0
Pulmonary hemorrhage originating in the perinatal period	2	3.4	0	0.0	2	9.7
Chronic respiratory disease originating in the perinatal period	6	10.2	3	7.9	3	14.5
Atelectasis	4	6.8	2	5.3	2	9.7
Other respiratory conditions originating in the perinatal period	1	1.7	0	0.0	1	4.8
Infections specific to the perinatal period	14	23.9	6	15.8	8	38.8
Bacterial sepsis of newborn	11	18.8	4	10.5	7	33.9
Other infections specific to the perinatal period	3	5.1	2	5.3	1	4.8
Hemorrhagic and hematological disorders of newborn	8	13.6	4	10.5	4	19.4
Neonatal hemorrhage	7	11.9	4	10.5	3	14.5
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	4.8

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

TABLE 66 (Continued)
INFANT DEATHS AND INFANT MORTALITY RATES¹ BY CAUSE OF DEATH AND RACE OF CHILD
ALABAMA, 2019

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	449	7.7	214	5.6	235	11.4
Neonatal diabetes mellitus and syndrome of infant of diabetic mother	0	0.0	0	0.0	0	0.0
Necrotizing enterocolitis of newborn	7	11.9	4	10.5	3	14.5
Hydrops fetalis not due to hemolytic disease	3	5.1	3	7.9	0	0.0
Other perinatal conditions	30	51.2	16	42.1	14	67.9
Congenital malformations, deformations and chromosomal abnormalities	89	151.8	54	142.2	35	169.7
Anencephaly and similar malformations	5	8.5	5	13.2	0	0.0
Congenital hydrocephalus	3	5.1	1	2.6	2	9.7
Spina bifida	0	0.0	0	0.0	0	0.0
Other congenital malformations of the nervous system	3	5.1	3	7.9	0	0.0
Congenital malformations of the heart	18	30.7	9	23.7	9	43.6
Other congenital malformations of the circulatory system	2	3.4	1	2.6	1	4.8
Congenital malformations of the respiratory system	6	10.2	3	7.9	3	14.5
Congenital malformations of the digestive system	0	0.0	0	0.0	0	0.0
Congenital malformations of the genitourinary system	11	18.8	10	26.3	1	4.8
Congenital malformations and deformations of musculoskeletal system, limbs and integument	13	22.2	8	21.1	5	24.2
Down's syndrome	1	1.7	1	2.6	0	0.0
Edward's syndrome	4	6.8	2	5.3	2	9.7
Patau's syndrome	1	1.7	1	2.6	0	0.0
Other congenital malformations and deformations	20	34.1	10	26.3	10	48.5
Other chromosomal abnormalities, not elsewhere classified	2	3.4	0	0.0	2	9.7
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	89	151.8	43	113.2	46	223.0
Sudden infant death syndrome	24	40.9	10	26.3	14	67.9
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	65	110.9	33	86.9	32	155.1
All other diseases (residual of A00-R99)	0	0.0	0	0.0	0	0.0
External causes of mortality	31	52.9	19	50.0	12	58.2
Accidents	21	35.8	16	42.1	5	24.2
Motor vehicle accidents	1	1.7	1	2.6	0	33.9
Falls	0	0.0	0	0.0	0	0.0
Accidental discharge of firearms	0	0.0	0	0.0	0	0.0
Drowning	2	3.4	1	2.6	1	4.8
Accidental suffocation and strangulation in bed	12	20.5	8	21.1	4	19.4
Other accidental suffocation and strangulation	1	1.7	1	2.6	0	0.0
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	3	5.1	3	7.9	0	0.0
Accidents caused by exposure to smoke, fire and flames	0	0.0	0	0.0	0	0.0
Accidental poisoning and exposure to noxious substances	1	1.7	1	2.6	0	0.0
Other and unspecified accidents and their sequelae	1	1.7	1	2.6	0	0.0
Homicide (assault)	9	15.4	2	5.3	7	33.9
Homicide by hanging, strangulation and suffocation	0	0.0	0	0.0	0	0.0
Homicide by discharge of firearms	4	6.8	1	2.6	3	14.5
Neglect, abandonment and other maltreatment syndromes	0	0.0	0	0.0	0	0.0
Homicide by other and unspecified means	5	8.5	1	2.6	4	19.4
Complications of medical and surgical care	0	0.0	0	0.0	0	0.0
Other external causes	1	1.7	1	2.6	0	0.0

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

TABLE 67
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY RACE² OF CHILD AND AGE GROUP OF MOTHER
ALABAMA, 2019

AGE GROUP OF MOTHER	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	449	7.7	214	5.6	235	11.4
Under 15	0	0.0	0	0.0	0	0.0
15-17	9	9.7	5	10.0	4	9.4
18-19	25	8.3	14	8.1	11	8.5
20-24	137	9.0	61	6.5	76	12.7
25-29	125	6.7	58	4.8	67	10.3
30-34	94	6.8	45	4.6	49	12.0
35-39	47	8.1	23	6.0	24	12.5
40+	11	9.9	8	11.1	3	7.6
Not stated	1	--	0	--	1	--

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

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

TABLE 68
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY WEIGHT AT BIRTH AND RACE² OF CHILD
ALABAMA, 2019

BIRTH WEIGHT IN GRAMS	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	449	7.7	214	5.6	235	11.4
0-499 grams	120	805.4	44	916.7	76	752.5
500-999 grams	70	181.8	28	198.6	42	172.1
1,000-1,499 grams	21	35.6	13	47.6	8	25.2
1,500-1,999 grams	30	25.6	17	29.5	13	21.9
2,000-2,499 grams	49	12.7	23	12.0	26	13.4
2,500-4,499 grams	154	3.0	88	2.5	66	3.8
4,500+ grams	2	4.3	1	2.6	1	11.4
Not stated	3	--	0	--	3	--

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

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

TABLE 69
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY PLURALITY AT BIRTH, RACE² AND SEX
ALABAMA, 2019

PLURALITY AT BIRTH	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	449	7.7	116	5.9	98	5.3	130	12.3	105	10.4
Single	386	6.8	105	5.5	85	4.8	111	10.9	85	8.8
Multiple	63	30.9	11	17.9	13	22.6	19	46.3	20	45.4
Twins	62	31.0	11	18.2	12	21.7	19	46.7	20	46.0
Triplets or higher order	1	22.2	0	0.0	1	41.7	0	0.0	0	0.0

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, 2019

ADEQUACY OF PRENATAL CARE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Adequate plus	205	9.8	95	6.9	110	15.0
Adequate	68	3.3	32	2.3	36	5.8
Intermediate	18	4.1	8	2.8	10	6.1
Inadequate	100	9.4	51	8.4	49	10.6

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, 2000-2019

YEAR	MARRIAGES			DIVORCES		
	NUMBER	AL RATE	U.S. RATE	NUMBER	AL RATE	U.S. RATE
1970	46,959	13.6	10.6	15,109	4.4	3.5
1980	49,018	12.6	10.6	26,745	6.9	5.2
1990	43,050	10.7	9.8	25,678	6.4	4.7
1995	42,234	10.3	8.9	25,813	6.3	4.4
2000	47,087	10.6	8.2	24,630	5.5	4.0
2001	45,052	10.0	8.2	24,159	5.4	4.0
2002	44,158	9.8	8.0	24,059	5.3	3.9
2003	43,139	9.6	7.7	23,205	5.2	3.8
2004	42,537	9.4	7.8	22,405	4.9	3.7
2005	41,962	9.2	7.6	22,430	4.9	3.6
2006	42,386	9.2	7.5	22,867	5.0	3.7
2007	41,622	9.0	7.3	21,255	4.6	3.6
2008	40,638	8.7	7.1	20,311	4.4	3.5
2009	39,278	8.3	6.8	20,757	4.4	3.5
2010	39,382	8.2	6.8	21,238	4.4	3.6
2011	40,523	8.4	6.8	20,550	4.3	3.6
2012	39,489	8.2	6.8	17,193	3.6	3.4
2013	37,789	7.8	6.8	17,805	3.7	3.3
2014	37,945	7.8	6.9	18,504	3.8	3.2
2015	35,726	7.4	6.9	18,946	3.9	3.1
2016	34,822	7.2	7.0	18,329	3.8	3.0
2017	34,329	7.0	6.9	17,887	3.7	2.9
2018	33,057	6.8	6.5	18,200	3.7	2.9
2019	32,832	6.7	6.1	17,979	3.7	2.7

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, 2000-2019

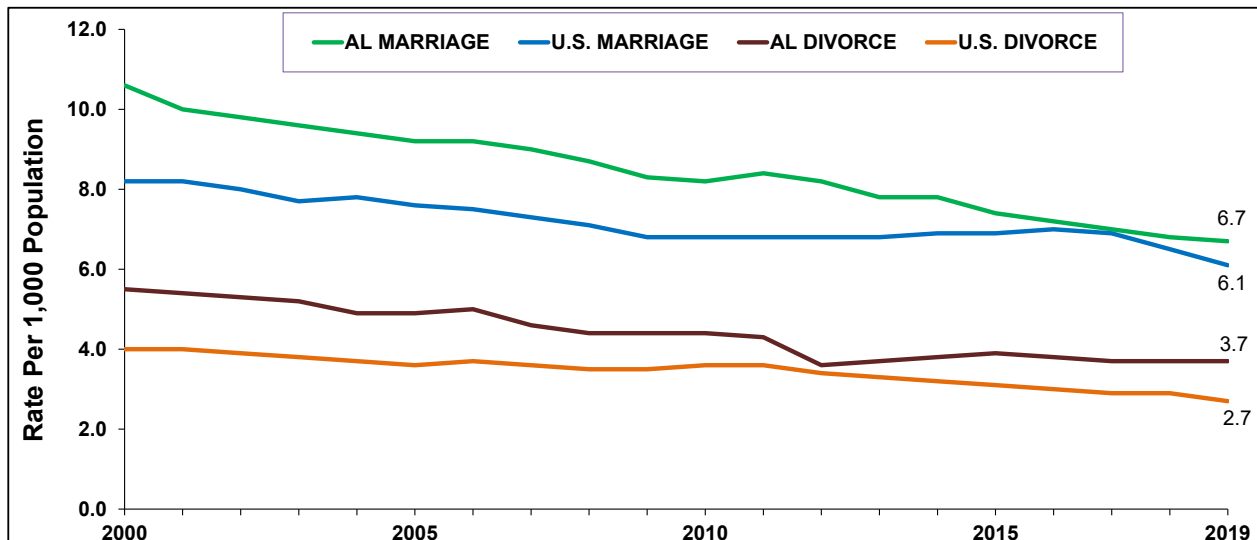


TABLE 72
NUMBERS AND RATES¹ OF MARRIAGES AND DIVORCES BY ISSUING COUNTY
ALABAMA, 2019

ISSUING COUNTY	MARRIAGES		DIVORCES	
	NUMBER	RATE	NUMBER	RATE
TOTAL	32,832	6.7	17,979	3.7
Autauga	140	2.5	165	3.0
Baldwin	2,210	9.9	879	3.9
Barbour	114	4.6	61	2.5
Bibb	126	5.6	0	0.0
Blount	387	6.7	188	3.3
Bullock	36	3.6	5	0.5
Butler	194	10.0	72	3.7
Calhoun	709	6.2	467	4.1
Chambers	133	4.0	130	3.9
Cherokee	178	6.8	110	4.2
Chilton	358	8.1	277	6.2
Choctaw	83	6.6	32	2.5
Clarke	54	2.3	90	3.8
Clay	77	5.8	39	2.9
Cleburne	48	3.2	44	3.0
Coffee	663	12.7	240	4.6
Colbert	336	6.1	235	4.3
Conecuh	116	9.6	28	2.3
Coosa	41	3.8	20	1.9
Covington	113	3.1	133	3.6
Crenshaw	96	7.0	69	5.0
Cullman	748	8.9	454	5.4
Dale	319	6.5	193	3.9
Dallas	196	5.3	109	2.9
DeKalb	432	6.0	196	2.7
Elmore	137	1.7	300	3.7
Escambia	231	6.3	108	2.9
Etowah	773	7.6	437	4.3
Fayette	101	6.2	37	2.3
Franklin	211	6.7	161	5.1
Geneva	61	2.3	114	4.3
Greene	46	5.7	9	1.1
Hale	50	3.4	46	3.1
Henry	94	5.5	64	3.7
Houston	756	7.1	477	4.5
Jackson	421	8.2	252	4.9
Jefferson	4,559	6.9	2,086	3.2
Lamar	81	5.9	104	7.5
Lauderdale	642	6.9	337	3.6
Lawrence	180	5.5	119	3.6
Lee	760	4.6	451	2.7
Limestone	607	6.1	335	3.4
Lowndes	33	3.4	30	3.1
Macon	78	4.3	25	1.4
Madison	2,608	7.0	1,392	3.7
Marengo	71	3.8	58	3.1
Marion	276	9.3	141	4.7
Marshall	692	7.2	510	5.3
Mobile	2,886	7.0	1,535	3.7
Monroe	140	6.8	74	3.6
Montgomery	2,316	10.2	865	3.8
Morgan	783	6.5	500	4.2
Perry	45	5.0	17	1.9
Pickens	101	5.1	58	2.9
Pike	48	1.4	94	2.8
Randolph	175	7.7	93	4.1
Russell	442	7.6	291	5.0
St. Clair	694	7.8	379	4.2
Shelby	1,090	5.0	628	2.9
Sumter	34	2.7	10	0.8
Talladega	508	6.4	346	4.3
Tallapoosa	207	5.1	102	2.5
Tuscaloosa	1,226	5.9	699	3.3
Walker	494	7.8	275	4.3
Washington	37	2.3	65	4.0
Wilcox	87	8.4	15	1.4
Winston	144	6.1	104	4.4

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, 2019

MONTH	ALL MARRIAGES		SAME SEX MARRIAGES
	NUMBER	RATE	
TOTAL	32,832	6.7	771
January	1,459	3.5	35
February	1,700	4.5	42
March	2,955	7.1	81
April	2,679	6.6	59
May	3,279	7.9	67
June	3,201	7.9	71
July	2,412	5.8	54
August	2,670	6.4	65
September	3,245	8.1	91
October	3,835	9.2	88
November	2,690	6.7	50
December	2,707	6.5	68

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

TABLE 74
MARRIAGES BY RACE OF SPOUSE
ALABAMA, 2019

RACE OF SPOUSE 1	RACE OF SPOUSE 2				
	TOTAL	WHITE	BLACK	OTHER	NOT STATED
TOTAL	32,832	24,983	6,758	974	117
WHITE	24,928	23,808	512	556	52
BLACK	7,031	759	6,138	102	32
OTHER	774	382	79	310	3
NOT STATED	99	34	29	6	30

TABLE 75
MARRIAGES BY PREVIOUS MARITAL STATUS OF SPOUSE
ALABAMA, 2019

MARITAL STATUS OF SPOUSE 1	MARITAL STATUS OF SPOUSE 2				
	TOTAL	NEVER MARRIED	WIDOWED	DIVORCED	NOT STATED
TOTAL	32,832	19,667	1,137	11,624	404
NEVER MARRIED	19,623	16,280	142	3,135	66
WIDOWED	1,088	129	344	610	5
DIVORCED	11,703	3,202	643	7,773	85
NOT STATED	418	56	8	106	248

**TABLE 76
MARRIAGES BY AGE GROUP OF SPOUSE
ALABAMA, 2019**

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	32,832	1,171	7,066	7,224	4,532	3,301	2,731	2,367	1,688	1,108	734	450	257	193	10
15-19	827	485	296	31	9	5	0	1	0	0	0	0	0	0	0
20-24	6,232	570	4,298	1,064	200	61	24	7	4	2	0	0	0	0	2
25-29	7,282	81	1,916	3,760	1,085	281	101	34	14	4	3	1	0	1	1
30-34	4,664	17	359	1,563	1,717	646	240	74	30	12	2	2	1	0	1
35-39	3,351	11	117	480	892	1,064	513	185	51	27	9	2	0	0	0
40-44	2,722	5	40	186	365	675	820	436	134	39	13	4	2	1	2
45-49	2,320	0	15	85	162	334	594	713	295	92	25	2	2	0	1
50-54	1,834	0	7	25	56	130	258	503	555	204	65	23	4	4	0
55-59	1,396	1	7	13	28	61	117	277	345	348	128	42	16	10	3
60-64	935	1	5	11	13	35	42	101	160	227	218	88	25	9	0
65-69	554	0	4	3	2	3	16	24	53	93	150	141	48	17	0
70-74	418	0	1	2	3	4	4	11	34	46	92	97	91	33	0
75+	295	0	1	0	0	2	2	1	13	14	28	48	68	118	0
NOT STATED	2	0	0	1	0	0	0	0	0	0	1	0	0	0	0

TABLE 77
DIVORCES¹ AND ANNULMENTS BY DURATION OF MARRIAGE
AND NUMBER OF MINOR CHILDREN²
ALABAMA, 2019

DURATION OF MARRIAGE (IN YEARS)	NUMBER OF MINOR CHILDREN											
	TOTAL	0	1	2	3	4	5	6	7	8	9+	NOT STATED
TOTAL	17,979	11,005	3,487	2,506	754	169	31	11	4	1	1	10
UNDER 1	624	570	39	11	3	0	0	1	0	0	0	0
1-4	5,215	3,811	984	349	54	12	1	1	0	0	0	3
5-9	4,737	2,534	1,063	851	233	44	7	2	0	0	0	3
10-14	2,684	1,205	568	618	225	51	10	2	2	1	0	2
15-19	1,785	746	378	431	170	46	7	4	2	0	0	1
20-24	1,305	761	285	185	56	11	5	1	0	0	0	1
25-29	741	551	127	48	12	2	1	0	0	0	0	0
30-34	395	355	30	7	0	2	0	0	0	0	1	0
35-39	246	237	5	4	0	0	0	0	0	0	0	0
40+	203	199	3	1	0	0	0	0	0	0	0	0
NOT STATED	44	36	5	1	1	1	0	0	0	0	0	0

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, 2019

PARTY TO WHOM DIVORCE GRANTED	TOTAL	DIVORCES	ANNULMENTS
TOTAL	17,979	17,917	62
Spouse 1	1,216	1,206	10
Spouse 2	1,973	1,961	12
Spouse 1 and Spouse 2	14,742	14,702	40
Not stated	48	48	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, 2019

RACE OF SPOUSE 1	RACE OF SPOUSE 2		
	TOTAL	WHITE	BLACK AND OTHER
TOTAL	17,979	13,328	4,651
WHITE	13,597	13,062	535
BLACK AND OTHER	4,382	266	4,116

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, 2019

LEGAL GROUNDS	TOTAL	DIVORCES	ANNULMENTS
TOTAL	17,979	17,917	62
Abandonment	49	48	1
Adultery	147	147	0
Bigamy	15	7	8
Cruelty or violence	95	95	0
Fraud	17	4	13
Incompatibility	13,774	13,749	25
Irretrievable breakdown	3,716	3,709	7
All other causes	150	143	7
Not stated	16	15	1

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

TABLE 81
DIVORCES¹ AND ANNULMENTS BY AGE GROUP OF SPOUSE
ALABAMA, 2019

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	17,979	70	1,047	2,436	2,850	2,803	2,558	2,165	1,568	1,069	695	354	167	135	62
UNDER 20	18	11	4	2	0	1	0	0	0	0	0	0	0	0	0
20-24	655	42	473	95	22	7	4	6	2	0	0	0	0	0	4
25-29	2,005	13	432	1,232	233	56	22	8	5	0	0	1	0	1	2
30-34	2,593	0	82	773	1,267	326	89	31	9	5	0	0	0	2	9
35-39	2,710	3	30	196	825	1,169	354	86	28	7	2	1	0	0	9
40-44	2,585	0	13	71	297	774	1,003	330	64	16	6	2	1	0	8
45-49	2,357	1	8	32	121	283	687	855	264	78	18	1	1	1	7
50-54	1,811	0	2	15	53	112	261	524	567	187	62	17	3	2	6
55-59	1,327	0	0	10	20	43	87	209	407	392	122	24	8	2	3
60-64	881	0	1	1	6	18	22	76	149	255	255	70	20	7	1
65-69	517	0	0	1	0	8	12	27	52	89	152	131	33	9	3
70-74	259	0	0	3	1	4	8	6	10	30	49	74	49	23	2
75+	223	0	0	0	4	1	0	4	5	10	26	33	52	88	0
NOT STATED	38	0	2	5	1	1	9	3	6	0	3	0	0	0	8

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

TABLE 82
ESTIMATED POPULATION¹ BY COUNTY OF RESIDENCE, RACE AND SEX
ALABAMA, 2019

COUNTY OF RESIDENCE	ALL RACES			WHITE			BLACK AND OTHER		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	4,903,185	2,369,517	2,533,668	3,389,396	1,662,441	1,726,955	1,513,789	707,076	806,713
Autauga	55,869	27,092	28,777	42,607	20,878	21,729	13,262	6,214	7,048
Baldwin	223,234	108,247	114,987	195,198	94,810	100,388	28,036	13,437	14,599
Barbour	24,686	13,064	11,622	12,134	6,389	5,745	12,552	6,675	5,877
Bibb	22,394	11,929	10,465	17,191	8,766	8,425	5,203	3,163	2,040
Blount	57,826	28,472	29,354	55,412	27,258	28,154	2,414	1,214	1,200
Bullock	10,101	5,508	4,593	2,689	1,629	1,060	7,412	3,879	3,533
Butler	19,448	9,024	10,424	10,127	4,829	5,298	9,321	4,195	5,126
Calhoun	113,605	54,481	59,124	85,322	41,342	43,980	28,283	13,139	15,144
Chambers	33,254	15,895	17,359	18,970	9,157	9,813	14,284	6,738	7,546
Cherokee	26,196	12,926	13,270	24,409	12,033	12,376	1,787	893	894
Chilton	44,428	21,800	22,628	38,677	18,965	19,712	5,751	2,835	2,916
Choctaw	12,589	5,938	6,651	7,191	3,499	3,692	5,398	2,439	2,959
Clarke	23,622	11,153	12,469	12,518	6,057	6,461	11,104	5,096	6,008
Clay	13,235	6,447	6,788	11,015	5,400	5,615	2,220	1,047	1,173
Cleburne	14,910	7,340	7,570	14,176	6,999	7,177	734	341	393
Coffee	52,342	25,742	26,600	39,669	19,647	20,022	12,673	6,095	6,578
Colbert	55,241	26,408	28,833	44,440	21,424	23,016	10,801	4,984	5,817
Conecuh	12,067	5,758	6,309	6,245	3,103	3,142	5,822	2,655	3,167
Coosa	10,663	5,335	5,328	7,118	3,604	3,514	3,545	1,731	1,814
Covington	37,049	17,927	19,122	31,311	15,234	16,077	5,738	2,693	3,045
Crenshaw	13,772	6,685	7,087	9,939	4,895	5,044	3,833	1,790	2,043
Cullman	83,768	41,408	42,360	80,188	39,626	40,562	3,580	1,782	1,798
Dale	49,172	24,214	24,958	36,273	18,256	18,017	12,899	5,958	6,941
Dallas	37,196	17,178	20,018	10,259	4,910	5,349	26,937	12,268	14,669
DeKalb	71,513	35,577	35,936	66,303	32,870	33,433	5,210	2,707	2,503
Elmore	81,209	39,236	41,973	61,461	29,676	31,785	19,748	9,560	10,188
Escambia	36,633	18,425	18,208	22,815	11,261	11,554	13,818	7,164	6,654
Etowah	102,268	49,496	52,772	82,501	40,115	42,386	19,767	9,381	10,386
Fayette	16,302	7,937	8,365	13,980	6,817	7,163	2,322	1,120	1,202
Franklin	31,362	15,782	15,580	28,757	14,388	14,369	2,605	1,394	1,211
Geneva	26,271	12,827	13,444	22,895	11,187	11,708	3,376	1,640	1,736
Greene	8,111	3,829	4,282	1,500	735	765	6,611	3,094	3,517
Hale	14,651	6,950	7,701	5,963	2,956	3,007	8,688	3,994	4,694
Henry	17,205	8,309	8,896	12,315	5,992	6,323	4,890	2,317	2,573
Houston	105,882	50,628	55,254	72,872	35,314	37,558	33,010	15,314	17,696
Jackson	51,626	25,367	26,259	47,173	23,189	23,984	4,453	2,178	2,275
Jefferson	658,573	311,232	347,341	349,516	169,820	179,696	309,057	141,412	167,645
Lamar	13,805	6,760	7,045	12,083	5,940	6,143	1,722	820	902
Lauderdale	92,729	44,490	48,239	80,633	38,812	41,821	12,096	5,678	6,418
Lawrence	32,924	16,034	16,890	25,757	12,596	13,161	7,167	3,438	3,729
Lee	164,542	80,840	83,702	116,411	58,022	58,389	48,131	22,818	25,313
Limestone	98,915	49,444	49,471	80,121	39,932	40,189	18,794	9,512	9,282
Lowndes	9,726	4,570	5,156	2,527	1,258	1,269	7,199	3,312	3,887
Macon	18,068	8,218	9,850	3,130	1,579	1,551	14,938	6,639	8,299
Madison	372,909	182,366	190,543	256,828	128,106	128,722	116,081	54,260	61,821
Marengo	18,863	8,839	10,024	8,793	4,275	4,518	10,070	4,564	5,506
Marion	29,709	14,626	15,083	27,939	13,657	14,282	1,770	969	801
Marshall	96,774	47,717	49,057	89,814	44,023	45,791	6,960	3,694	3,266
Mobile	413,210	196,374	216,836	243,845	118,447	125,398	169,365	77,927	91,438
Monroe	20,733	9,869	10,864	11,477	5,637	5,840	9,256	4,232	5,024
Montgomery	226,486	106,394	120,092	80,422	39,387	41,035	146,064	67,007	79,057
Morgan	119,679	58,888	60,791	99,114	48,936	50,178	20,565	9,952	10,613
Perry	8,923	4,152	4,771	2,698	1,305	1,393	6,225	2,847	3,378
Pickens	19,930	10,014	9,916	11,568	5,985	5,583	8,362	4,029	4,333
Pike	33,114	15,919	17,195	19,036	9,410	9,626	14,078	6,509	7,569
Randolph	22,722	11,078	11,644	17,719	8,724	8,995	5,003	2,354	2,649
Russell	57,961	27,767	30,194	28,946	14,195	14,751	29,015	13,572	15,443
St. Clair	89,512	44,352	45,160	78,309	38,585	39,724	11,203	5,767	5,436
Shelby	217,702	105,203	112,499	179,689	87,513	92,176	38,013	17,690	20,323
Sumter	12,427	5,684	6,743	3,187	1,517	1,670	9,240	4,167	5,073
Talladega	79,978	38,479	41,499	51,242	25,080	26,162	28,736	13,399	15,337
Tallapoosa	40,367	19,562	20,805	28,472	13,968	14,504	11,895	5,594	6,301
Tuscaloosa	209,355	100,780	108,575	134,441	66,468	67,973	74,914	34,312	40,602
Walker	63,521	30,982	32,539	57,760	28,171	29,589	5,761	2,811	2,950
Washington	16,326	8,001	8,325	10,776	5,336	5,440	5,550	2,665	2,885
Wilcox	10,373	4,922	5,451	2,868	1,418	1,450	7,505	3,504	4,001
Winston	23,629	11,627	12,002	22,662	11,129	11,533	967	498	469

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

TABLE 83
ESTIMATED POPULATION¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2019

AGE GROUP	TOTAL POPULATION	WHITE			BLACK AND OTHER		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
ALL AGES	4,903,185	3,389,396	1,662,441	1,726,955	1,513,789	707,076	806,713
0-4	294,357	187,163	95,671	91,492	107,194	54,044	53,150
5-9	297,968	192,683	98,760	93,923	105,285	53,251	52,034
10-14	310,498	201,119	102,983	98,136	109,379	55,151	54,228
15-19	313,615	202,598	103,539	99,059	111,017	55,547	55,470
20-24	322,092	206,276	104,930	101,346	115,816	56,463	59,353
25-29	338,138	217,285	109,639	107,646	120,853	58,995	61,858
30-34	309,091	205,635	102,825	102,810	103,456	48,406	55,050
35-39	304,145	204,712	102,013	102,699	99,433	45,208	54,225
40-44	289,161	197,839	98,313	99,526	91,322	41,046	50,276
45-49	308,951	217,635	108,462	109,173	91,316	41,000	50,316
50-54	307,665	219,775	109,376	110,399	87,890	39,869	48,021
55-59	336,320	242,366	119,225	123,141	93,954	42,159	51,795
60-64	321,347	232,739	112,298	120,441	88,608	39,193	49,415
65-69	275,448	204,057	96,445	107,612	71,391	30,902	40,489
70-74	225,999	176,971	82,129	94,842	49,028	21,057	27,971
75-79	155,814	125,542	55,888	69,654	30,272	12,193	18,079
80-84	101,033	81,607	33,971	47,636	19,426	7,244	12,182
85+	91,543	73,394	25,974	47,420	18,149	5,348	12,801

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

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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 are also sent to the National Center for Health Statistics (NCHS) for inclusion in national reports and tabulations.

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

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

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

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

MARRIAGES. Starting August 29, 2019, marriage licenses are no longer issued and certified in Alabama. On and after that date, a marriage certificate is completed by the persons entering the marriage and delivered to a county probate court. The certificate is recorded by the probate court who forwards it to CHS. Marriage data are believed to be nearly 100 percent representative of valid marriage certificates recorded in the probate courts.

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 94 percent of the deaths were submitted through the Electronic Death Registration System in 2019. This electronic system contains edits and consistency checks to verify data prior to being submitted. The remainder of the deaths are filed using paper certificates. These certificates are manually checked for accuracy and completeness. If data are incomplete or missing, the provider is queried and asked to verify the information provided or to furnish the correct data. Once these certificates are complete, they are keyed into a computer database by CHS staff.

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

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

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

RESIDENCE DATA

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

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

POPULATION DENOMINATORS

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

populations and associated rates become. Based on 2000 Census data, the CBER population projections for the late 1990s appear to be too low, and thus the rates for those years may be too high.

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

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

RACE

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

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

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

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

CAUSE OF DEATH

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

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

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

Cause of death data in this publication are coded according to procedures established by NCHS.² Starting with death records for 1999, cause of death data are processed through computer software programs from NCHS which allow CHS staff to enter the literal information provided by the physician or coroner in the medical certification section of the death certificate. The software programs are written to apply WHO rules to select the underlying cause of death from all the conditions given on the death certificate. Tables in this publication contain the underlying cause of death as determined through these procedures.

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

CHANGE IN ICD. The ICD has been revised approximately once every 10 years to stay abreast with advances in medical science and to ensure the international comparability of

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

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

HANDLING OF UNKNOWNNS

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

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

DATA TECHNIQUES

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

Demographic rates make all populations equal in size. Demographic rates such as the

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

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

SMALL NUMBER LIMITATIONS

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

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

REFERENCES:

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

DEFINITIONS

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

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

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

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

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

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

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

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

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

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

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

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

FETAL DEATH - "Death prior to the complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy and which is not an induced termination of pregnancy. The death is indicated by the fact that after the expulsion or extraction the fetus does not breathe or show any other evidence of life, such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps." *Code of Alabama, 1975, Section 22-9A-1*. While the definition of fetal death includes all gestations, only fetal deaths that have advanced to or are beyond the twentieth week of utero-gestation are required to be reported under Alabama law and are the only ones counted as fetal deaths in this publication.

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

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

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

INTERNATIONAL CLASSIFICATION OF DISEASES (ICD) - A publication of the World Health Organization (WHO) that provides the essential ground rules for the coding and classification of cause of death data. The purpose of the ICD and of WHO sponsorship is to promote international comparability in the collection, classification, processing and presentation of health statistics. In addition to being a classification system, the rules provide for identification of a single condition on the death certificate that is considered most informative from a public health point of view, called the underlying cause of death.

LIVE BIRTH - "The complete expulsion or extraction from the mother of a product of human

conception, irrespective of the duration of the pregnancy, which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached. Heartbeats are to be distinguished from transient cardiac contractions; respirations are to be distinguished from fleeting respiratory efforts or gasps." *Code of Alabama, 1975, Section 22-9A-1.* In these publications, the terms *live birth* and *birth* are used synonymously.

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

MARRIAGE – The legal union of two persons which establishes their relationship as spouses. Marriage data are reported by the county where the marriage license was issued (prior to August 29, 2019) or the county where the marriage certificate was recorded (on or after August 29, 2019).

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

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

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

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

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

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

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

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

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

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

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

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

ALABAMA VITAL STATISTICS FORMULAS (Continued)

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

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

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

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

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

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

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

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

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

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

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

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

ALABAMA VITAL STATISTICS FORMULAS (Continued)

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

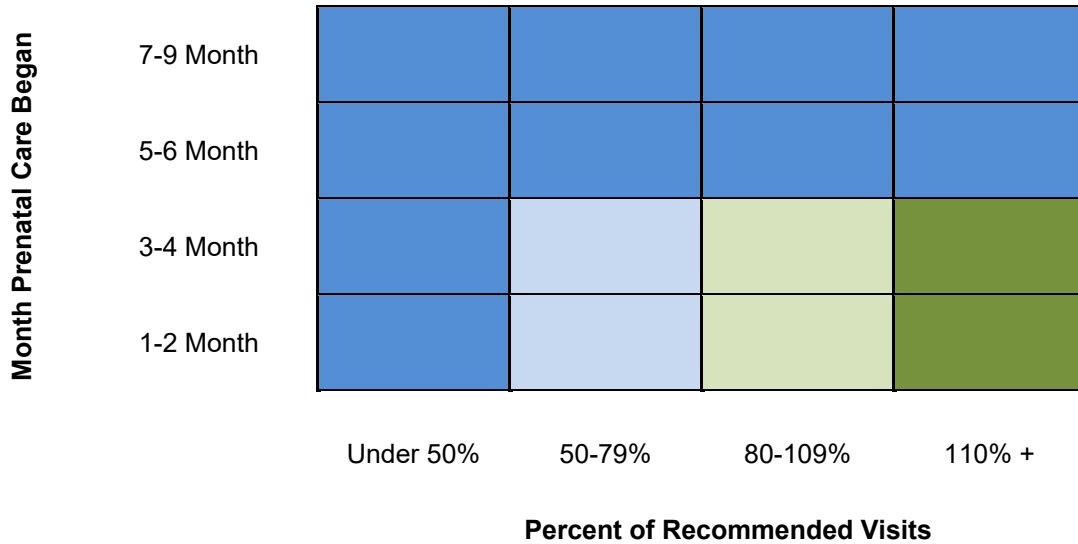
TEENAGE PREGNANCY RATE = $\frac{\begin{aligned} &\text{Number of Live Births to Females Aged 10-19} \\ &+ \text{Number of Abortions to Females Aged 10-19} \\ &+ \text{Estimated Total Fetal Losses to Females Aged 10-19} \end{aligned}}{\text{Estimated Female Population Aged 10-19}} \times 1,000$

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

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

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

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



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

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

GRAMS CONVERSION TABLE

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

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Appendix C

CAUSE OF DEATH LISTS

NCHS 113 Selected Causes of Death

Selected Causes of Infant Death

NCHS 113 SELECTED CAUSES OF DEATH

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

#Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

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

#Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
Other chronic lower respiratory diseases	J44, J47
Pneumoconioses and chemical effects #	J60-J66, J68
Pneumonitis due to solids and liquids #	J69
Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
Peptic ulcer #	K25-K28
Diseases of appendix #	K35-K38
Hernia #	K40-K46
Chronic liver disease and cirrhosis #	K70, K73-K74
Alcoholic liver disease	K70
Other chronic liver disease and cirrhosis	K73-K74
Cholelithiasis and other disorders of gallbladder #	K80-K82
Nephritis, nephrotic syndrome and nephrosis #	N00-N07, N17-N19, N25-N27
Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01, N04
Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
Renal failure	N17-N19
Other disorders of kidney	N25, N27
Infections of kidney #	N10-N12, N13.6, N15.1
Hyperplasia of prostate #	N40
Inflammatory diseases of female pelvic organs #	N70-N76
Pregnancy, childbirth and the puerperium #	O00-O99
Pregnancy with abortive outcome	O00-O07
Other complications of pregnancy, childbirth and the puerperium	O10-O99
Certain conditions originating in the perinatal period #	P00-P96
Congenital malformations, deformations and chromosomal abnormalities #	Q00-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
All other diseases (residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.0-N13.5, N13.7-N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
Accidents (unintentional injuries) #	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99, Y85
Nontransport accidents	W00-X59, Y86

#Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

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

Eligible to be a leading cause of death

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

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

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

#Eligible to be a leading cause of death

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

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

#Eligible to be a leading cause of death

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

CAUSE OF DEATH	ICD-10 CODE
Congenital malformations of heart	Q20-Q24
Other congenital malformations of circulatory system	Q25-Q28
Congenital malformations of respiratory system	Q30-Q34
Congenital malformations of digestive system	Q35-Q45
Congenital malformations of genitourinary system	Q50-Q64
Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
Down's syndrome	Q90
Edward's syndrome	Q91.0-Q91.3
Patau's syndrome	Q91.4-Q91.7
Other congenital malformations and deformations	Q10-Q18, Q86-Q89
Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
Sudden infant death syndrome #	R95
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94, R96-R99
All other diseases (residual) of A00 - R99	A00 R99 not listed above
External causes of mortality	V01 Y89
Accidents #	V01-X59
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Falls	W00-W19
Accidental discharge of firearms	W32-W34
Accidental drowning and submersion	W65-W74
Accidental suffocation and strangulation in bed	W75
Other accidental suffocation and strangulation	W76-W77, W81-W84
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78 W80
Accidents caused by exposure to smoke, fire and flames	X00-X09
Other and unspecified accidents and their sequelae	Residual of V01 X59
Homicide (assault) #	X85 Y09, Y87.1
Neglect, abandonment and other maltreatment syndrome	Y06-Y07
Homicide by other and unspecified means	*U01.0-*U01.3, *U01.5-*U01.9, X85-X90, X92, X96-Y05, Y08-Y09
Complications of medical and surgical care	Y40-Y84, Y88
Other external causes	Y60-X84, Y10-Y36, Y87.0, Y87.2, Y89

Eligible to be a leading cause of death

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