

ALABAMA VITAL STATISTICS

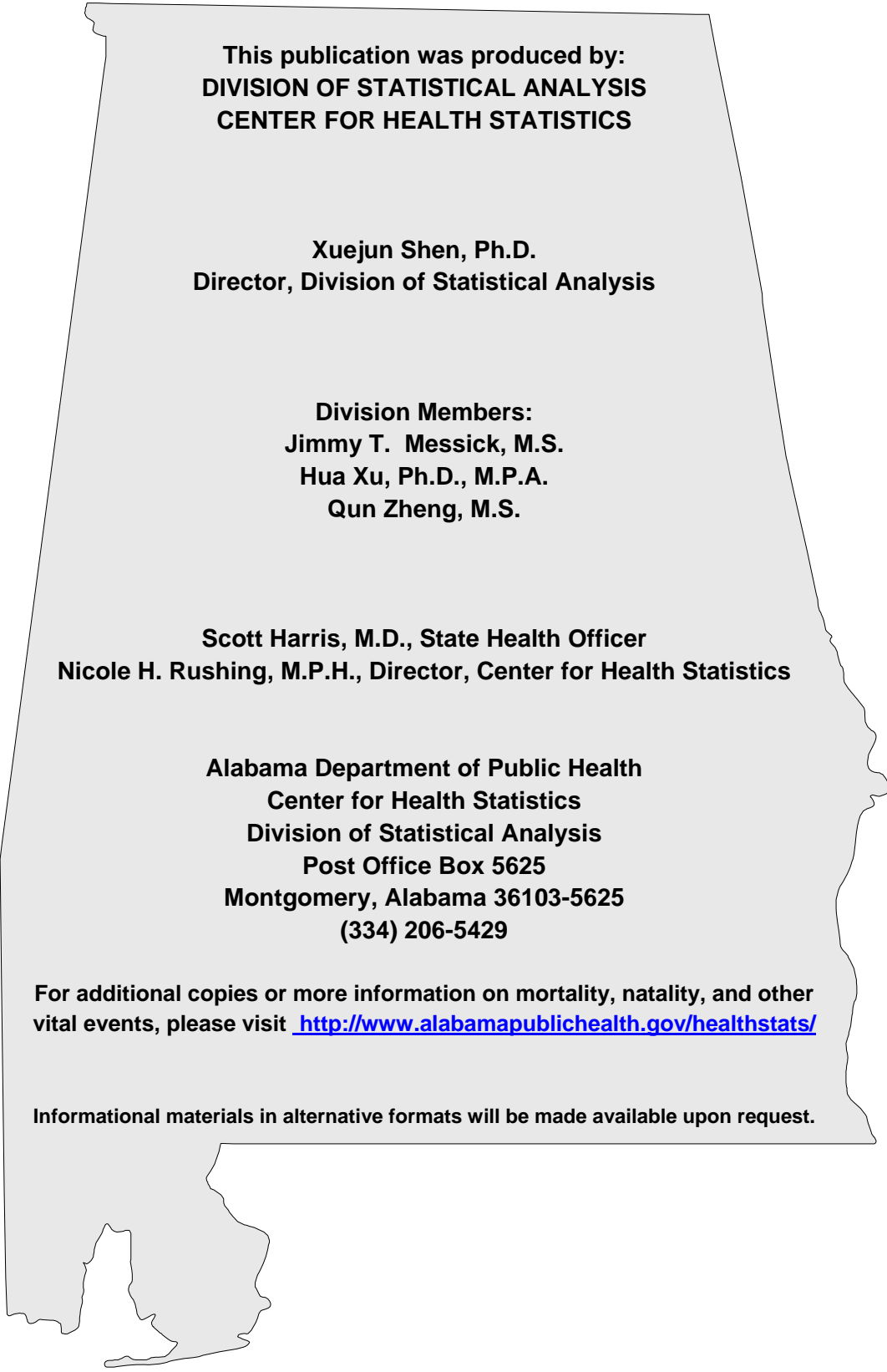
2016



ALABAMA
CENTER FOR
HEALTH STATISTICS



ALABAMA
PUBLIC
HEALTH



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

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INTRODUCTION

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

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

Tables from this publication, *County Health Profiles*, and other publications of the Alabama Center for Health Statistics are available online and may be accessed through the Alabama Department of Public Health's website at <http://www.alabamapublichealth.gov/healthstats>. You will see a listing of our publications from years 2005-2016 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.

TABLE 1
RESIDENT BIRTHS AND BIRTH RATES ¹ BY RACE ²
ALABAMA AND UNITED STATES, 1970-2016

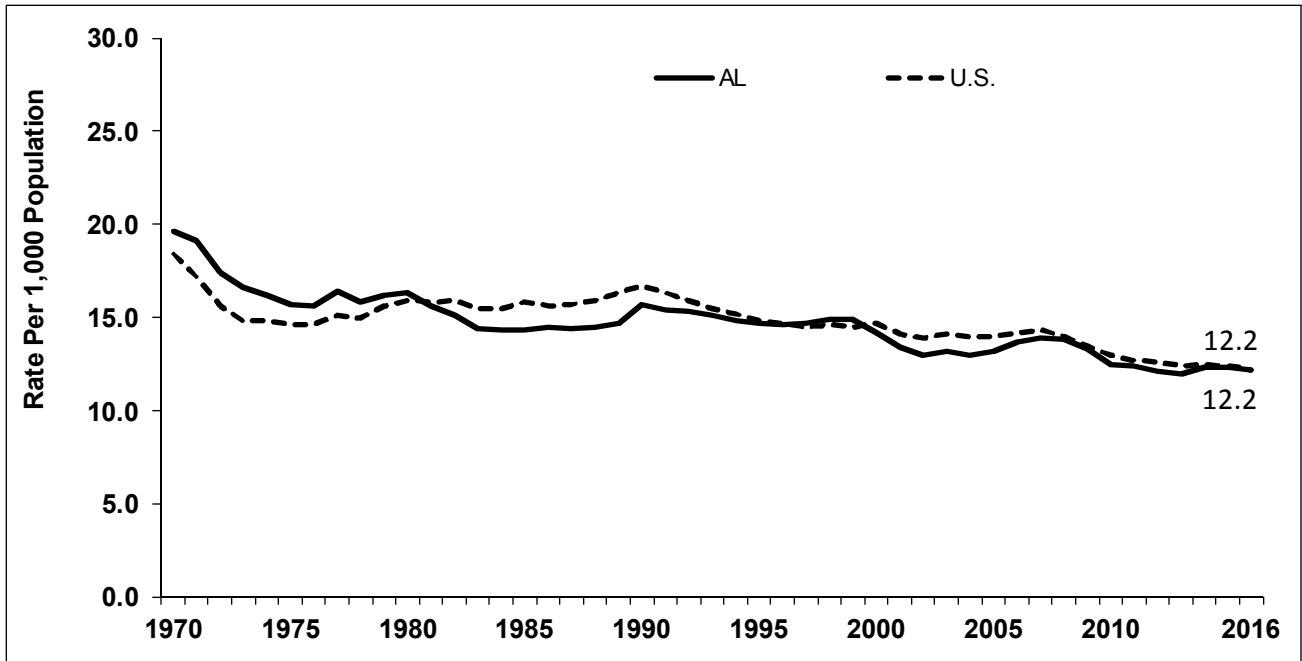
YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S.	ALABAMA		U.S.	ALABAMA		U.S.
	NUMBER	RATE	RATE	NUMBER	RATE	RATE	NUMBER	RATE	RATE
1970	67,570	19.6	18.4	45,479	17.9	17.4	22,091	24.3	25.1
1971	66,750	19.1	17.2	44,209	17.2	16.1	22,541	24.4	24.6
1972	61,765	17.4	15.6	40,134	15.4	14.5	21,631	23.1	22.8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

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

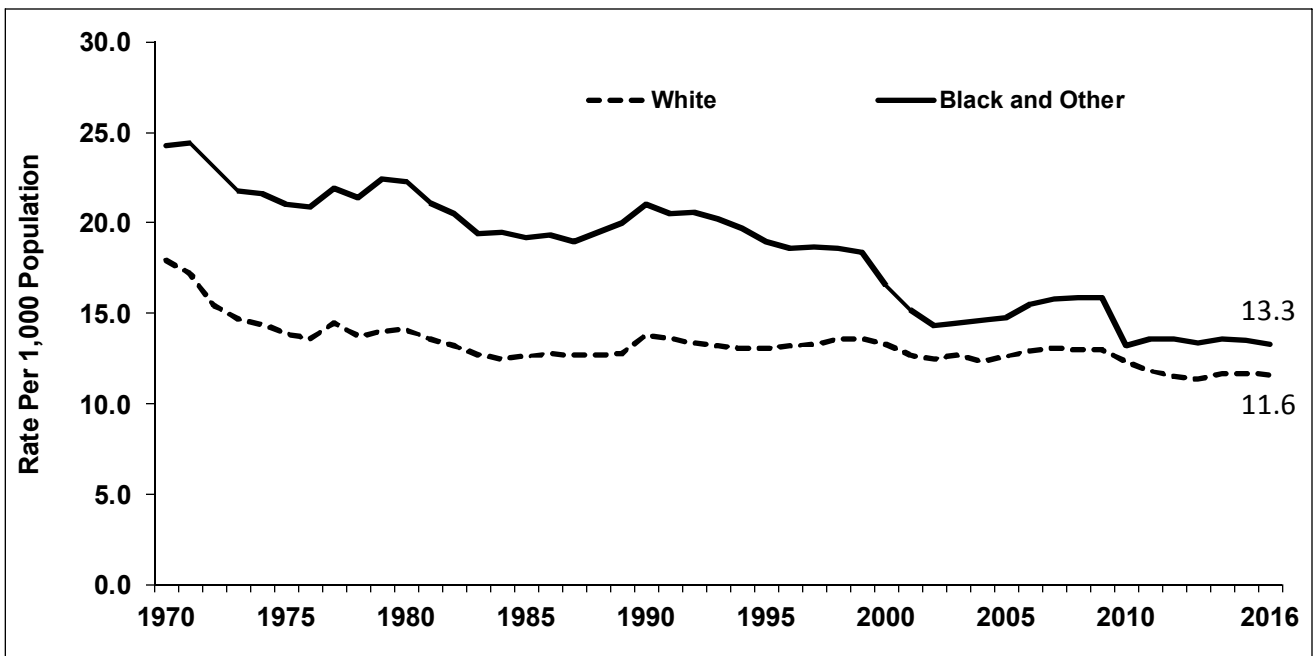
² Data for 1970-1989 are by race of child. Data for 1990-2016 are by race of mother.

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

**FIGURE 1. LIVE BIRTH RATES
ALABAMA AND UNITED STATES, 1970-2016**



**FIGURE 2. LIVE BIRTH RATES BY RACE OF MOTHER
ALABAMA, 1970-2016**

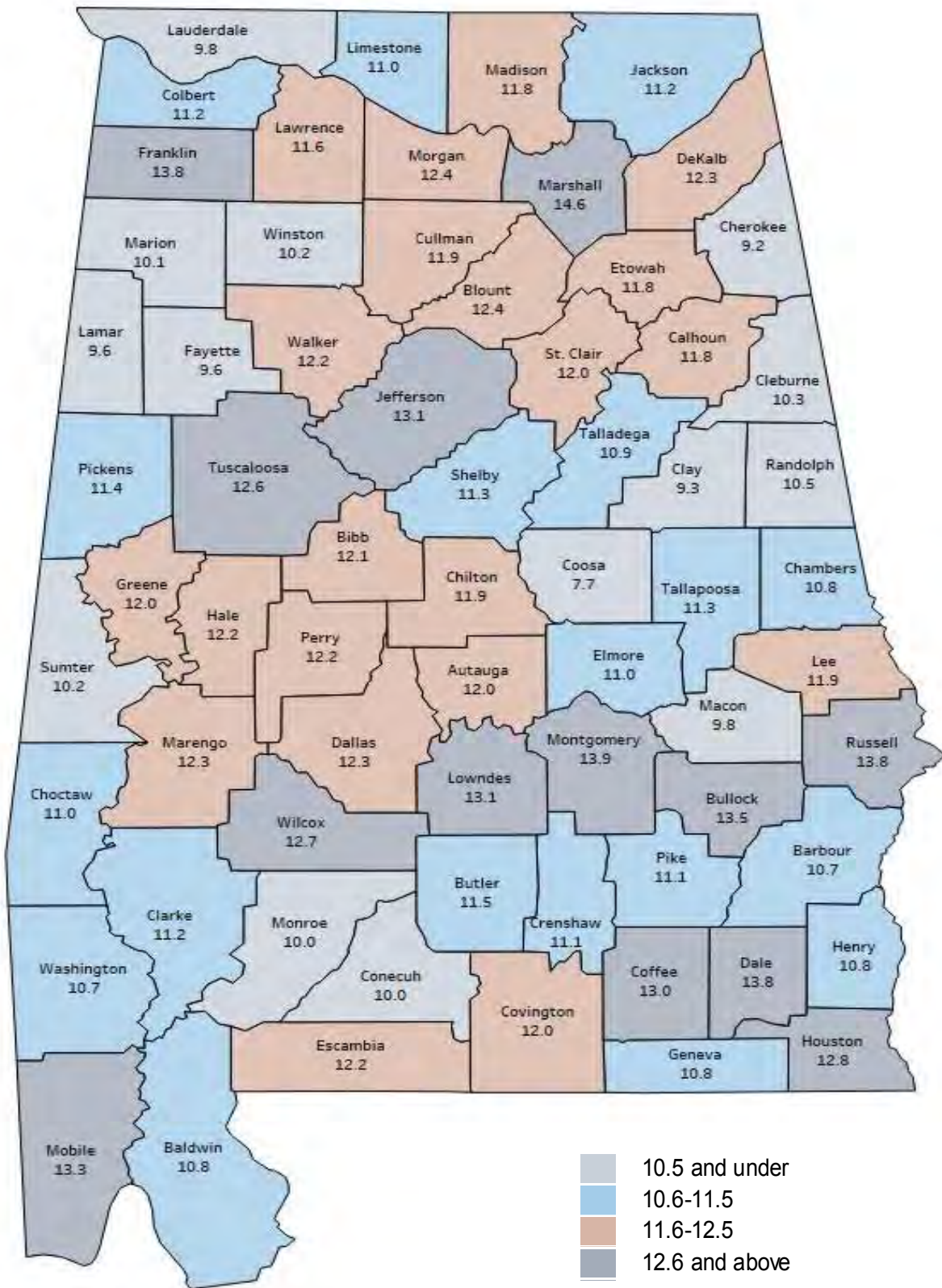


**TABLE 2
RESIDENT BIRTHS AND BIRTH RATES ¹
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2016**

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	59,090	12.2	39,241	11.6	19,849	13.3
Autauga	663	12.0	485	11.3	178	14.1
Baldwin	2,247	10.8	1,929	10.6	318	11.9
Barbour	279	10.7	119	9.2	160	12.3
Bibb	273	12.1	212	12.2	61	11.5
Blount	715	12.4	705	12.7	10	4.3
Bullock	140	13.5	30	11.0	110	14.4
Butler	230	11.5	100	9.4	130	13.9
Calhoun	1,357	11.8	1,002	11.6	355	12.7
Chambers	367	10.8	189	9.7	178	12.4
Cherokee	237	9.2	222	9.3	15	8.5
Chilton	521	11.9	462	12.1	59	10.5
Choctaw	143	11.0	66	8.9	77	13.9
Clarke	273	11.2	128	9.8	145	12.9
Clay	126	9.3	108	9.6	18	7.9
Cleburne	154	10.3	147	10.4	7	9.3
Coffee	668	13.0	499	12.8	169	13.8
Colbert	607	11.2	494	11.3	113	10.8
Conecuh	124	10.0	65	10.2	59	9.8
Coosa	82	7.7	59	8.3	23	6.6
Covington	450	12.0	396	12.5	54	9.3
Crenshaw	154	11.1	117	11.6	37	9.6
Cullman	978	11.9	953	12.0	25	8.1
Dale	680	13.8	498	13.6	182	14.5
Dallas	494	12.3	99	8.8	395	13.7
DeKalb	869	12.3	817	12.4	52	10.1
Elmore	898	11.0	668	10.8	230	11.6
Escambia	462	12.2	278	11.9	184	12.8
Etowah	1,214	11.8	926	11.1	288	14.8
Fayette	159	9.6	128	9.0	31	13.5
Franklin	438	13.8	424	14.7	14	5.2
Geneva	287	10.8	253	10.9	34	10.0
Greene	101	12.0	11	7.2	90	13.1
Hale	182	12.2	67	10.9	115	13.0
Henry	186	10.8	135	11.1	51	10.2
Houston	1,334	12.8	845	11.7	489	15.5
Jackson	586	11.2	541	11.3	45	10.3
Jefferson	8,650	13.1	4,566	13.0	4,084	13.3
Lamar	133	9.6	119	9.8	14	7.9
Lauderdale	908	9.8	782	9.7	126	10.4
Lawrence	384	11.6	342	13.1	42	5.8
Lee	1,892	11.9	1,278	11.4	614	13.2
Limestone	1,023	11.0	892	11.8	131	7.7
Lowndes	136	13.1	30	11.5	106	13.7
Macon	185	9.8	34	11.0	151	9.5
Madison	4,223	11.8	2,784	11.3	1,439	13.0
Marengo	241	12.3	109	11.8	132	12.7
Marion	303	10.1	284	10.1	19	10.7
Marshall	1,393	14.6	1,214	13.7	179	28.1
Mobile	5,502	13.3	2,998	12.1	2,504	14.9
Monroe	216	10.0	108	9.0	108	11.3
Montgomery	3,139	13.9	1,031	12.2	2,108	14.8
Morgan	1,470	12.4	1,188	12.0	282	14.1
Perry	117	12.2	28	9.4	89	13.5
Pickens	231	11.4	130	11.0	101	11.8
Pike	368	11.1	195	10.2	173	12.2
Randolph	237	10.5	194	11.0	43	8.5
Russell	800	13.8	419	14.1	381	13.3
St. Clair	1,056	12.0	959	12.4	97	9.2
Shelby	2,387	11.3	1,969	11.2	418	12.2
Sumter	133	10.2	30	9.0	103	10.6
Talladega	877	10.9	533	10.3	344	12.2
Tallapoosa	462	11.3	289	10.0	173	14.5
Tuscaloosa	2,589	12.6	1,451	10.8	1,138	15.8
Walker	794	12.2	707	12.0	87	14.9
Washington	180	10.7	133	12.1	47	8.1
Wilcox	140	12.7	31	10.0	109	13.8
Winston	243	10.2	237	10.3	6	7.0

¹ Rate is per 1,000 population for 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, 2016**



**TABLE 3
RESIDENT BIRTHS BY PLURALITY
ALABAMA, 1980-2016**

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

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 HOSPITAL OF OCCURRENCE
ALABAMA, 2016**

COUNTY AND HOSPITAL	TOTAL	COUNTY AND HOSPITAL	TOTAL
ALABAMA	57,647		
AUTAUGA	5	DALE	2
Prattville Baptist Hospital	1	Out of Hospital	2
Out of Hospital	4	DALLAS	609
BALDWIN	2,084	Vaughan Regional Medical Center	606
North Baldwin Infirmary	213	Out of Hospital	3
South Baldwin Regional Medical Center	610	DEKALB	702
Thomas Hospital	1,258	DeKalb Regional Medical Center	699
Out of Hospital	3	Out of Hospital	3
BARBOUR	1	ELMORE	2
Out of Hospital	1	Out of Hospital	2
BIBB	60	ESCAMBIA	257
Bibb Medical Center	60	D.W. McMillan Memorial Hospital	254
BLOUNT	4	Out of Hospital	3
St. Vincent's Blount	2	ETOWAH	1,049
Out of Hospital	2	Gadsden Regional Medical Center	1,043
BULLOCK	1	Out of Hospital	6
Out of Hospital	1	FAYETTE	1
BUTLER	2	Fayette Medical Center	1
L.V. Stabler Memorial Hospital	1	FRANKLIN	2
Out of Hospital	1	Out of Hospital	2
CALHOUN	1,890	GENEVA	1
Regional Medical Center-Anniston	1,890	Out of Hospital	1
CHAMBERS	0	GREENE	0
CHEROKEE	3	HALE	2
Cherokee Medical Center	1	Hale County Hospital	1
Out of Hospital	2	Out of Hospital	1
CHILTON	2	HENRY	3
Out of Hospital	2	Out of Hospital	3
CHOCTAW	0	HOUSTON	2,827
CLARKE	211	Flowers Hospital	1,317
Grove Hill Memorial Hospital	210	Southeast Alabama Medical Center	1,506
Out of Hospital	1	Out of Hospital	4
CLAY	1	JACKSON	372
Out of Hospital	1	Highlands Medical Center	371
CLEBURNE	0	Out of Hospital	1
COFFEE	971	JEFFERSON	14,301
Medical Center Enterprise	969	Princeton Baptist Medical Center	319
Out of Hospital	2	Brookwood Medical Center	4,006
COLBERT	805	Grandview Medical Center	957
Helen Keller Memorial Hospital	804	St. Vincent's Birmingham	3,347
Shoals Hospital	1	St. Vincent's East	932
CONECUH	0	UAB Medical West	396
COOSA	1	University of Alabama Hospital	4,297
Out of Hospital	1	Out of Hospital	47
COVINGTON	389	LAMAR	0
Andalusia Regional Hospital	389	LAUDERDALE	1,229
CRENSHAW	1	Eliza Coffee Memorial Hospital	1,228
Crenshaw Community Hospital	1	Out of Hospital	1
CULLMAN	608	LAWRENCE	1
Cullman Regional Medical Center	600	Out of Hospital	1
Out of Hospital	8		

TABLE 4 (Continued)
BIRTHS BY HOSPITAL OF OCCURRENCE
ALABAMA, 2016

COUNTY AND HOSPITAL	TOTAL	COUNTY AND HOSPITAL	TOTAL
LEE	2,085	MORGAN	961
East Alabama Medical Center	2,077	Decatur Morgan Hospital-Parkway	957
Out of Hospital	8	Out of Hospital	4
LIMESTONE	529	PERRY	0
Athens-Limestone Hospital	523	Out of Hospital	3
Out of Hospital	6	PICKENS	0
LOWNDES	0	PIKE	1
MACON	0	Troy Regional Medical Center	1
MADISON	6,152	RANDOLPH	0
Crestwood Medical Center	873	RUSSELL	4
Huntsville Hospital	4,383	Jack Hughston Memorial Hospital	1
Madison Hospital	885	Out of Hospital	3
Out of Hospital	11	ST. CLAIR	6
MARENGO	2	St. Vincent's St. Clair	1
Bryan W. Whitfield Memorial Hospital	1	Out of Hospital	5
Out of Hospital	1	SHELBY	1,020
MARION	0	Shelby Baptist Medical Center	1,008
MARSHALL	1,067	Out of Hospital	12
Marshall Medical Center North	437	SUMTER	0
Marshall Medical Center South	626	TALLADEGA	688
Out of Hospital	4	Citizens Baptist Medical Center	215
MOBILE	6,259	Coosa Valley Medical Center	472
Mobile Infirmary Medical Center	1,115	Out of Hospital	1
Providence Hospital	1,585	TALLAPOOSA	415
Springhill Memorial Hospital	873	Russell Medical Center	415
USA Children's and Women's Hospital	2,670	TUSCALOOSA	3,486
Out of Hospital	16	DCH Regional Medical Center	1,935
MONROE	190	Nortport Medical Center	1,540
Monroe County Hospital	190	Out of Hospital	11
MONTGOMERY	5,604	WALKER	776
Baptist Medical Center East	3,634	Walker Baptist Medical Center	773
Baptist Medical Center South	747	Out of Hospital	3
Jackson Hospital	1,210	WASHINGTON	0
Out of Hospital	13	WILCOX	0
		WINSTON	0

TABLE 5
BIRTHS BY METHODS OF DELIVERY AND HOSPITAL ¹ OF OCCURRENCE
WITH CESAREAN SECTION AND VAGINAL BIRTH AFTER CESAREAN RATES
ALABAMA, 2016

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	57,647	37,004	708	12,533	7,398	4	34.6	8.7
BALDWIN								
North Baldwin Infirmary	213	125	0	41	47	0	41.3	0.0
South Baldwin Medical Center	610	364	1	184	61	0	40.2	1.6
Thomas Hospital	1,258	887	20	179	172	0	27.9	10.4
BIBB								
Bibb Medical Center	60	47	1	6	6	0	20.0	14.3
CALHOUN								
Regional Medical Center-Anniston	1,890	1,322	37	297	234	0	28.1	13.7
CLARKE								
Grove Hill Memorial Hospital	210	108	0	64	38	0	48.6	0.0
COFFEE								
Medical Center Enterprise	969	649	11	186	123	0	31.9	8.2
COLBERT								
Helen Keller Memorial Center	804	481	2	162	159	0	39.9	1.2
COVINGTON								
Andalusia Regional Hospital	389	287	6	56	40	0	24.7	13.0
CULLMAN								
Cullman Regional Medical Center	600	387	14	110	89	0	33.2	13.6
DALLAS								
Vaughn Regional Medical Center	606	435	3	167	1	0	27.7	75.0
DEKALB								
DeKalb Regional Medical Center	699	498	7	159	35	0	27.8	16.7
ESCAMBIA								
D.W. McMillan Memorial Hospital	254	117	0	74	63	0	53.9	0.0
ETOWAH								
Gadsden Regional Medical Center	1,043	712	12	184	135	0	30.6	8.2
HOUSTON								
Flowers Hospital	1,317	811	14	310	182	0	37.4	7.1
Southeast Alabama Medical Center	1,506	912	31	317	246	0	37.4	11.2
JACKSON								
Highland Medical Center	371	255	6	70	40	0	29.6	13.0
JEFFERSON								
Brookwood Medical Center	4,006	2,458	30	925	592	1	37.9	4.8
Grandview Medical Center	956	546	1	376	33	0	42.8	2.9
Princeton Baptist Medical Center	319	224	30	46	19	0	20.4	61.2
St. Vincent's Birmingham	3,347	2,160	10	893	284	0	35.2	3.4
St. Vincent's East	932	587	14	228	103	0	35.5	12.0
UAB Medical West	396	258	1	127	10	0	34.6	9.1
University of Alabama Hospital	4,297	2,796	132	954	415	0	31.9	24.1

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 5 (Continued)
BIRTHS BY METHODS OF DELIVERY AND HOSPITAL ¹ OF OCCURRENCE
WITH CESAREAN SECTION AND VAGINAL BIRTH AFTER CESAREAN RATES
ALABAMA, 2016

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								
Eliza Coffee Memorial Hospital	1,228	841	11	216	160	0	30.6	6.4
LEE								
East Alabama Medical Center	2,077	1,337	43	398	299	0	33.6	12.6
LIMESTONE								
Athens-Limestone Hospital	523	364	6	94	59	0	29.3	9.2
MADISON								
Crestwood Medical Center	873	622	21	123	107	0	26.3	16.4
Huntsville Hospital	4,383	2,573	44	1,027	739	0	40.3	5.6
Madison Hospital	885	616	5	148	116	0	29.8	4.1
MARSHALL								
Marshall Medical Center North	437	309	8	58	62	0	27.5	11.4
Marshall Medical Center South	626	453	15	107	51	0	25.2	22.7
MOBILE								
Mobile Infirmary Medical Center	1,115	663	2	292	158	0	40.4	1.3
Providence Hospital	1,585	1,008	9	319	249	0	35.8	3.5
Springhill Memorial Hospital	873	482	9	227	155	0	43.8	5.5
USA Children's and Women's Hospital	2,670	1,666	24	709	271	0	36.7	8.1
MONROE								
Monroe County Hospital	190	82	1	55	52	0	56.3	1.9
MONTGOMERY								
Baptist Medical Center East	3,634	2,331	27	704	572	0	35.1	4.5
Baptist Medical Center South	747	466	4	146	131	0	37.1	3.0
Jackson Hospital	1,210	758	9	268	175	0	36.6	4.9
MORGAN								
Decatur Morgan Hospital-Parkway	957	664	11	134	148	0	29.5	6.9
SHELBY								
Shelby Baptist Medical Center	1,008	701	27	157	123	0	27.8	18.0
TALLADEGA								
Citizens Baptist Medical Center	215	125	1	50	39	0	41.4	2.5
Coosa Valley Medical Center	472	278	1	95	98	0	40.9	1.0
TALLAPOOSA								
Russell Hospital	415	185	1	134	94	1	55.1	1.1
TUSCALOOSA								
DCH Regional Medical Center	1,935	1,238	33	399	265	0	34.3	11.1
Northport Medical Center	1,540	1,026	6	366	142	0	33.0	4.1
WALKER								
Walker Baptist Medical Center	773	575	1	191	6	0	25.5	14.3
All Other Hospitals	13	13	0	0	0	0	0.0	----
Out of Hospital	211	202	6	1	0	2	0.5	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 6
TOTAL BIRTHS, BIRTHS TO UNMARRIED WOMEN AND PERCENT¹ OF
BIRTHS TO UNMARRIED WOMEN BY RACE AND AGE GROUP OF MOTHER
ALABAMA, 2016

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	59,090	39,241	19,849	26,408	12,011	14,397	44.7	30.6	72.6
Under 15	48	19	29	48	19	29	--	--	--
15-17	1,231	673	558	1,162	611	551	94.5	90.9	98.7
18-19	3,247	1,950	1,297	2,668	1,431	1,237	82.2	73.4	95.4
20-24	16,053	9,694	6,359	10,353	4,741	5,612	64.5	48.9	88.3
25-29	18,626	12,737	5,889	7,116	2,948	4,168	38.2	23.1	70.8
30-34	13,424	9,708	3,716	3,451	1,539	1,912	25.7	15.9	51.5
35-39	5,496	3,800	1,696	1,334	581	753	24.3	15.3	44.4
40-44	923	628	295	269	136	133	29.2	21.7	45.1
45+	39	29	10	7	5	2	--	--	--
Not Stated	3	3	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 7
PERCENT¹ OF BIRTHS TO UNMARRIED WOMEN BY RACE AND AGE GROUP OF MOTHER
ALABAMA, 2007-2016

RACE AND AGE GROUP OF MOTHER	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
TOTAL	38.4	39.9	40.9	41.9	42.1	42.6	42.2	43.2	43.8	44.7
Under 15	94.1	98.1	99.4	99.1	96.8	98.8	98.4	98.4	100.0	--
15-17	85.8	88.4	90.0	91.3	93.5	93.4	91.2	92.3	93.0	94.5
18-19	70.4	73.3	73.8	78.2	78.1	79.3	77.9	80.4	79.7	82.2
20-24	50.2	52.3	54.7	56.8	58.6	59.9	60.4	61.6	63.5	64.5
25-29	28.0	28.9	29.4	31.4	31.4	32.1	32.9	35.2	36.6	38.2
30-34	17.0	18.2	19.8	20.2	21.4	21.9	22.3	24.0	24.3	25.7
35-39	15.4	16.8	17.7	19.3	18.3	21.5	20.6	22.9	24.1	24.3
40-44	17.3	18.9	18.3	18.0	20.6	20.6	22.6	25.0	22.4	29.2
45+	---	---	---	---	19.6	---	19.3	---	20.4	---
WHITE	23.9	25.4	27.0	27.6	27.9	28.3	28.3	29.2	29.9	30.6
Under 15	80.5	96.2	98.3	97.3	91.9	97.1	96.3	96.6	---	--
15-17	75.2	79.2	82.7	84.5	88.9	88.6	86.1	87.4	88.7	90.9
18-19	55.4	58.4	60.8	66.0	65.2	68.4	66.6	71.1	70.5	73.4
20-24	32.6	35.3	38.3	40.2	41.7	43.1	44.3	45.0	47.3	48.9
25-29	15.3	16.2	17.1	18.1	18.7	18.8	19.4	21.1	22.5	23.1
30-34	9.5	10.1	11.1	11.3	12.3	12.0	12.6	13.9	14.2	15.9
35-39	9.8	10.6	11.4	11.4	11.6	13.5	12.7	13.7	16.4	15.3
40-44	10.4	13.3	12.4	10.5	15.6	13.1	15.3	17.9	16.3	21.7
45+	---	---	---	---	---	---	---	---	---	---
BLACK AND OTHER	67.7	68.8	69.4	71.0	70.8	70.6	69.8	71.0	71.5	72.6
Under 15	100.0	99.1	100.0	100.0	100.0	100.0	100.0	100.0	---	--
15-17	97.4	98.2	98.0	98.9	99.1	99.1	98.1	99.0	98.4	98.7
18-19	91.2	93.4	92.8	95.3	95.9	94.4	94.9	95.3	94.7	95.4
20-24	79.1	80.1	81.7	83.9	85.0	85.6	84.8	86.8	87.2	88.3
25-29	57.6	58.5	60.0	63.1	62.7	63.0	63.7	66.0	68.3	70.8
30-34	39.1	41.3	44.2	45.4	46.5	47.8	46.9	49.9	50.5	51.5
35-39	32.3	35.2	34.5	39.4	35.7	40.5	40.1	43.7	41.9	44.4
40-44	36.4	32.8	33.1	34.7	35.4	35.2	38.0	38.8	34.7	45.1
45+	---	---	---	---	---	---	---	---	---	---

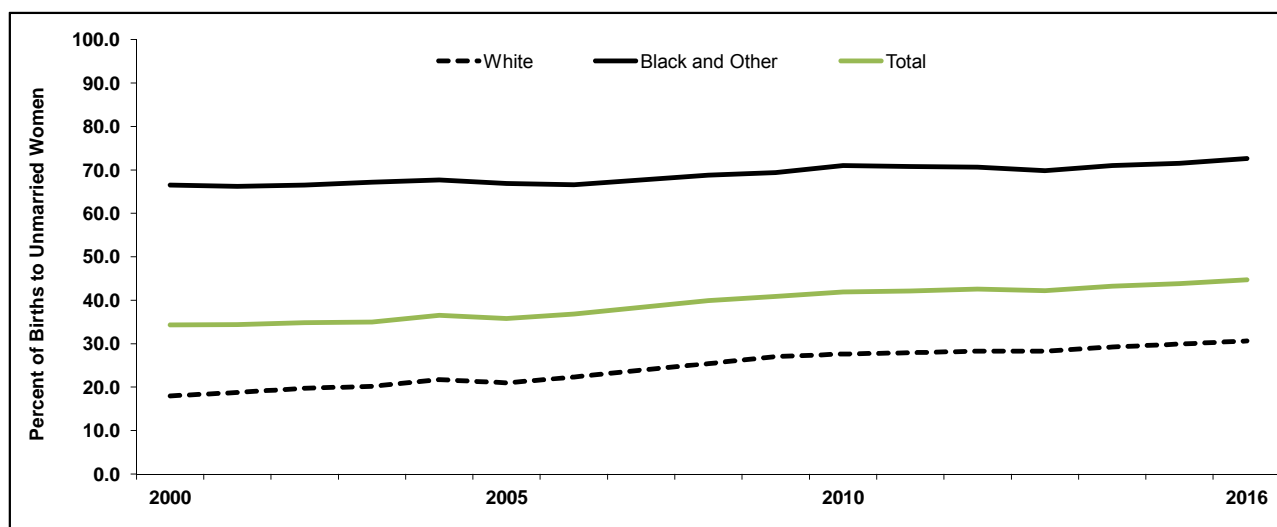
¹ Percentages were not calculated in instances where there were fewer than 50 live births in specified population. Denominator includes only live births where the marital status was known.

TABLE 8
NUMBER AND PERCENT ¹ OF BIRTHS TO UNMARRIED WOMEN
BY RACE OF MOTHER
ALABAMA, 2000-2016

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

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

FIGURE 4. PERCENT ¹ OF BIRTHS TO UNMARRIED WOMEN BY RACE OF MOTHER
ALABAMA, 2000-2016



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

**TABLE 9
NUMBER AND PERCENT ¹ OF BIRTHS TO UNMARRIED WOMEN
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2016**

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	26,408	44.7	12,011	30.6	14,397	72.6
Autauga	278	41.9	158	32.6	120	67.4
Baldwin	929	41.4	700	36.3	229	72.0
Barbour	178	63.8	46	38.7	132	82.5
Bibb	129	47.3	80	37.7	49	80.3
Blount	232	32.4	224	31.8	8	80.0
Bullock	101	72.1	11	36.7	90	81.8
Butler	156	67.8	48	48.0	108	83.1
Calhoun	618	45.5	367	36.6	251	70.7
Chambers	216	58.9	73	38.6	143	80.3
Cherokee	87	36.7	78	35.1	9	60.0
Chilton	182	34.9	143	31.0	39	66.1
Choctaw	76	53.1	27	40.9	49	63.6
Clarke	157	57.5	37	28.9	120	82.8
Clay	46	36.5	31	28.7	15	83.3
Cleburne	44	28.6	41	27.9	3	42.9
Coffee	264	39.5	154	30.9	110	65.1
Colbert	270	44.5	179	36.2	91	80.5
Conecuh	72	58.5	26	40.0	46	79.3
Coosa	45	54.9	23	39.0	22	95.7
Covington	177	39.5	135	34.2	42	79.2
Crenshaw	81	52.9	52	44.4	29	80.6
Cullman	350	35.8	344	36.1	6	24.0
Dale	278	40.9	157	31.5	121	66.5
Dallas	373	75.5	36	36.4	337	85.3
DeKalb	353	40.6	334	40.9	19	36.5
Elmore	383	42.7	226	33.8	157	68.3
Escambia	249	53.9	109	39.2	140	76.1
Etowah	491	40.4	301	32.5	190	66.0
Fayette	62	39.2	39	30.7	23	74.2
Franklin	175	40.0	166	39.2	9	64.3
Geneva	129	44.9	108	42.7	21	61.8
Greene	76	75.2	2	18.2	74	82.2
Hale	122	67.0	22	32.8	100	87.0
Henry	88	47.3	48	35.6	40	78.4
Houston	601	45.1	239	28.3	362	74.0
Jackson	260	44.4	230	42.5	30	66.7
Jefferson	4,131	47.8	1,085	23.8	3,046	74.6
Lamar	53	39.8	43	36.1	10	71.4
Lauderdale	365	40.2	267	34.1	98	77.8
Lawrence	152	39.6	123	36.0	29	69.0
Lee	640	33.9	271	21.2	369	60.2
Limestone	342	33.4	268	30.0	74	56.5
Lowndes	95	69.9	9	30.0	86	81.1
Macon	143	77.3	11	32.4	132	87.4
Madison	1,583	37.5	671	24.1	912	63.4
Marengo	141	58.5	30	27.5	111	84.1
Marion	91	30.0	82	28.9	9	47.4
Marshall	541	38.8	476	39.2	65	36.3
Mobile	2,947	53.6	1,075	35.9	1,872	74.8
Monroe	130	60.2	38	35.2	92	85.2
Montgomery	1,836	58.5	234	22.7	1,602	76.0
Morgan	643	43.7	416	35.0	227	80.5
Perry	86	73.5	10	35.7	76	85.4
Pickens	125	54.1	36	27.7	89	88.1
Pike	191	51.9	57	29.2	134	77.5
Randolph	105	44.3	72	37.1	33	76.7
Russell	396	49.6	122	29.2	274	71.9
St. Clair	358	33.9	300	31.3	58	59.8
Shelby	457	19.1	314	15.9	143	34.2
Sumter	91	68.4	5	16.7	86	83.5
Talladega	520	59.3	234	43.9	286	83.1
Tallapoosa	270	58.6	123	42.7	147	85.0
Tuscaloosa	1,226	47.4	390	26.9	836	73.5
Walker	184	23.2	156	22.1	28	32.2
Washington	71	39.4	33	24.8	38	80.9
Wilcox	110	78.6	12	38.7	98	89.9
Winston	57	23.5	54	22.8	3	50.0

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

**TABLE 10
BIRTHS BY LIVE BIRTH ORDER, RACE AND AGE GROUP OF MOTHER
ALABAMA, 2016**

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	59,090	48	4,478	16,053	18,626	13,424	5,496	962	3
WHITE	39,241	19	2,623	9,694	12,737	9,708	3,800	657	3
BLACK AND OTHER	19,849	29	1,855	6,359	5,889	3,716	1,696	305	0
FIRST	22,361	47	3,728	7,901	6,292	3,186	1,044	163	0
WHITE	15,021	18	2,199	4,877	4,708	2,390	722	107	0
BLACK AND OTHER	7,340	29	1,529	3,024	1,584	796	322	56	0
SECOND	19,379	1	661	5,452	6,605	4,725	1,690	245	0
WHITE	13,295	1	379	3,385	4,583	3,560	1,213	174	0
BLACK AND OTHER	6,084	0	282	2,067	2,022	1,165	477	71	0
THIRD	10,465	0	81	2,032	3,656	3,146	1,342	208	0
WHITE	6,873	0	42	1,125	2,326	2,299	934	147	0
BLACK AND OTHER	3,592	0	39	907	1,330	847	408	61	0
FOURTH	4,196	0	5	519	1,348	1,439	746	139	0
WHITE	2,528	0	2	240	754	931	517	84	0
BLACK AND OTHER	1,668	0	3	279	594	508	229	55	0
FIFTH AND ABOVE	2,665	0	3	148	714	924	669	206	1
WHITE	1,505	0	1	66	357	525	411	144	1
BLACK AND OTHER	1,160	0	2	82	357	399	258	62	0
NOT STATED	24	0	0	1	11	4	5	1	2
WHITE	19	0	0	1	9	3	3	1	2
BLACK AND OTHER	5	0	0	0	2	1	2	0	0

TABLE 11
BIRTHS BY TRIMESTER PRENATAL CARE BEGAN AND PERCENT PRENATAL CARE BEGAN
IN FIRST TRIMESTER BY COUNTY OF RESIDENCE
ALABAMA, 2016

COUNTY	TOTAL	NO PRENATAL CARE	PERCENT FIRST TRIMESTER	FIRST TRIMESTER	SECOND TRIMESTER	THIRD TRIMESTER	NOT STATED ¹
TOTAL	59,090	1,218	66.5	39,122	14,970	3,485	295
Autauga	663	5	59.2	391	209	55	3
Baldwin	2,247	14	73.9	1,646	475	92	20
Barbour	279	8	50.0	137	103	26	5
Bibb	273	1	67.2	182	64	24	2
Blount	715	12	67.7	482	179	39	3
Bullock	140	4	47.5	66	56	13	1
Butler	230	1	67.1	153	59	15	2
Calhoun	1,357	13	76.6	1,032	253	49	10
Chambers	367	4	65.1	239	92	32	0
Cherokee	237	2	69.6	165	59	11	0
Chilton	521	5	63.0	328	154	34	0
Choctaw	143	3	67.8	97	35	8	0
Clarke	273	1	72.1	196	66	9	1
Clay	126	1	79.2	99	24	1	1
Cleburne	154	0	75.3	116	30	8	0
Coffee	668	23	59.3	395	182	66	2
Colbert	607	6	63.6	386	174	41	0
Conecuh	124	1	64.2	79	37	6	1
Coosa	82	1	69.5	57	20	4	0
Covington	450	1	70.1	312	110	22	5
Crenshaw	154	0	78.4	120	27	6	1
Cullman	978	11	58.5	567	337	55	8
Dale	680	14	62.5	424	180	60	2
Dallas	494	7	64.8	318	131	35	3
DeKalb	869	64	56.2	483	242	71	9
Elmore	898	8	65.0	583	241	65	1
Escambia	462	4	71.7	330	105	21	2
Etowah	1,214	36	57.5	697	396	84	1
Fayette	159	4	59.1	94	54	7	0
Franklin	438	8	53.8	235	128	66	1
Geneva	287	4	62.7	178	85	17	3
Greene	101	2	57.4	58	34	7	0
Hale	182	8	57.8	104	62	6	2
Henry	186	1	66.1	123	51	11	0
Houston	1,334	14	72.3	959	289	64	8
Jackson	586	5	75.6	439	117	20	5
Jefferson	8,650	137	63.8	5,501	2,428	554	30
Lamar	133	1	63.4	83	42	5	2
Lauderdale	908	5	68.9	624	226	51	2
Lawrence	384	2	71.1	273	96	13	0
Lee	1,892	25	76.8	1,432	321	87	27
Limestone	1,023	22	70.3	718	221	60	2
Lowndes	136	2	68.1	92	33	8	1
Macon	185	6	63.6	117	47	14	1
Madison	4,223	118	62.7	2,640	1,223	231	11
Marengo	241	3	65.6	158	63	17	0
Marion	303	1	68.1	205	72	23	2
Marshall	1,393	188	52.2	725	376	99	5
Mobile	5,502	66	78.8	4,329	921	176	10
Monroe	216	2	69.4	150	58	6	0
Montgomery	3,139	120	58.3	1,827	874	314	4
Morgan	1,470	84	60.5	886	402	93	5
Perry	117	1	61.2	71	40	4	1
Pickens	231	1	58.4	135	76	19	0
Pike	368	6	70.9	261	84	17	0
Randolph	237	2	63.3	150	67	18	0
Russell	800	17	72.1	548	162	33	40
St. Clair	1,056	6	69.5	733	283	32	2
Shelby	2,387	21	71.9	1,709	529	119	9
Sumter	133	3	63.9	85	37	8	0
Talladega	877	7	70.5	608	210	37	15
Tallapoosa	462	8	77.9	357	75	18	4
Tuscaloosa	2,589	44	59.0	1,523	813	200	9
Walker	794	16	67.2	528	184	58	8
Washington	180	2	78.2	140	33	4	1
Wilcox	140	3	59.0	82	47	7	1
Winston	243	3	66.9	162	67	10	1

¹ Includes unknown and missing data.

TABLE 12
BIRTHS AND PERCENT ¹ OF BIRTHS BY THE ADEQUACY OF PRENATAL CARE AND COUNTY OF RESIDENCE
ALABAMA, 2016

COUNTY	TOTAL	ADEQUATE PLUS	PERCENT ¹ ADEQUATE PLUS	ADEQUATE	PERCENT ¹ ADEQUATE	INTER-MEDIATE	PERCENT ¹ INTER-MEDIATE	INADEQUATE	PERCENT ¹ INADEQUATE	UNKNOWN
TOTAL	59,090	20,783	36.2	21,992	38.3	4,165	7.3	10,445	18.2	1,705
Autauga	663	230	35.2	240	36.8	23	3.5	160	24.5	10
Baldwin	2,247	977	44.8	787	36.1	123	5.6	295	13.5	65
Barbour	279	76	28.6	89	33.5	17	6.4	84	31.6	13
Bibb	273	90	33.7	74	27.7	45	16.9	58	21.7	6
Blount	715	266	38.1	279	40.0	39	5.6	114	16.3	17
Bullock	140	41	30.4	37	27.4	11	8.1	46	34.1	5
Butler	230	91	40.3	94	41.6	5	2.2	36	15.9	4
Calhoun	1,357	457	34.3	635	47.6	75	5.6	167	12.5	23
Chambers	367	117	32.3	133	36.7	29	8.0	83	22.9	5
Cherokee	237	64	27.4	99	42.3	31	13.2	40	17.1	3
Chilton	521	148	28.8	225	43.8	35	6.8	106	20.6	7
Choctaw	143	81	57.9	31	22.1	5	3.6	23	16.4	3
Clarke	273	139	51.3	93	34.3	4	1.5	35	12.9	2
Clay	126	53	42.7	50	40.3	9	7.3	12	9.7	2
Cleburne	154	44	28.6	78	50.6	12	7.8	20	13.0	0
Coffee	668	229	35.8	234	36.6	12	1.9	164	25.7	29
Colbert	607	235	39.2	226	37.7	23	3.8	116	19.3	7
Conecuh	124	48	39.7	44	36.4	9	7.4	20	16.5	3
Coosa	82	36	45.0	28	35.0	5	6.3	11	13.8	2
Covington	450	204	46.2	164	37.1	11	2.5	63	14.3	8
Crenshaw	154	57	37.3	72	47.1	2	1.3	22	14.4	1
Cullman	978	309	32.3	373	38.9	72	7.5	204	21.3	20
Dale	680	268	40.5	236	35.6	22	3.3	136	20.5	18
Dallas	494	163	33.7	188	38.9	26	5.4	106	21.9	11
DeKalb	869	226	28.4	246	30.9	129	16.2	195	24.5	73
Elmore	898	358	40.5	323	36.5	29	3.3	175	19.8	13
Escambia	462	188	41.5	175	38.6	29	6.4	61	13.5	9
Etowah	1,214	319	27.2	528	45.0	57	4.9	270	23.0	40
Fayette	159	58	37.4	39	25.2	26	16.8	32	20.6	4
Franklin	438	151	35.3	141	32.9	14	3.3	122	28.5	10
Geneva	287	104	37.3	112	40.1	10	3.6	53	19.0	8
Greene	101	28	28.3	21	21.2	18	18.2	32	32.3	2
Hale	182	45	26.2	60	34.9	33	19.2	34	19.8	10
Henry	186	72	38.9	78	42.2	6	3.2	29	15.7	1

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

TABLE 12 (Continued)
BIRTHS AND PERCENT ¹ OF BIRTHS BY THE ADEQUACY OF PRENATAL CARE AND COUNTY OF RESIDENCE
ALABAMA, 2016

COUNTY	TOTAL	ADEQUATE PLUS	PERCENT ¹ ADEQUATE PLUS	ADEQUATE	PERCENT ¹ ADEQUATE	INTER-MEDIATE	PERCENT ¹ INTER-MEDIATE	INADEQUATE	PERCENT ¹ INADEQUATE	UNKNOWN
Houston	1,334	611	46.7	450	34.4	49	3.7	198	15.1	26
Jackson	586	238	41.5	211	36.8	42	7.3	82	14.3	13
Jefferson	8,650	2,948	34.9	3,286	38.9	552	6.5	1665	19.7	199
Lamar	133	57	44.5	40	31.3	10	7.8	21	16.4	5
Lauderdale	908	418	46.4	307	34.1	25	2.8	151	16.8	7
Lawrence	384	185	48.6	122	32.0	16	4.2	58	15.2	3
Lee	1,892	975	53.2	521	28.4	114	6.2	224	12.2	58
Limestone	1,023	421	42.1	332	33.2	69	6.9	177	17.7	24
Lowndes	136	59	44.7	43	32.6	11	8.3	19	14.4	4
Macon	185	62	35.0	60	33.9	13	7.3	42	23.7	8
Madison	4,223	1,285	31.4	1,654	40.4	368	9.0	783	19.1	133
Marengo	241	65	27.5	71	30.1	54	22.9	46	19.5	5
Marion	303	104	34.7	124	41.3	11	3.7	61	20.3	3
Marshall	1,393	467	39.0	383	32.0	72	6.0	276	23.0	195
Mobile	5,502	1,718	31.8	2,577	47.6	486	9.0	629	11.6	92
Monroe	216	96	44.9	77	36.0	7	3.3	34	15.9	2
Montgomery	3,139	1,035	34.5	1,077	35.9	140	4.7	751	25.0	136
Morgan	1,470	569	41.3	430	31.2	66	4.8	312	22.7	93
Perry	117	28	24.6	45	39.5	16	14.0	25	21.9	3
Pickens	231	72	31.3	67	29.1	32	13.9	59	25.7	1
Pike	368	150	41.6	155	42.9	11	3.0	45	12.5	7
Randolph	237	76	32.3	94	40.0	12	5.1	53	22.6	2
Russell	800	269	36.3	250	33.7	109	14.7	114	15.4	58
St. Clair	1,056	366	35.0	459	43.9	79	7.6	142	13.6	10
Shelby	2,387	748	31.8	1,113	47.4	161	6.9	327	13.9	38
Sumter	133	60	46.2	28	21.5	15	11.5	27	20.8	3
Talladega	877	274	32.2	367	43.1	70	8.2	140	16.5	26
Tallapoosa	462	250	55.8	119	26.6	16	3.6	63	14.1	14
Tuscaloosa	2,589	757	30.0	723	28.7	482	19.1	561	22.2	66
Walker	794	245	31.9	341	44.3	27	3.5	156	20.3	25
Washington	180	78	44.3	65	36.9	15	8.5	18	10.2	4
Wilcox	140	42	30.9	51	37.5	12	8.8	31	22.8	4
Winston	243	83	34.7	118	49.4	7	2.9	31	13.0	4

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

TABLE 13
BIRTHS BY RACE, AGE GROUP OF MOTHER AND ADEQUACY OF PRENATAL CARE ¹
ALABAMA, 2016

RACE AND AGE GROUP OF MOTHER	TOTAL	ADEQUACY OF PRENATAL CARE				
		ADEQUATE PLUS	ADEQUATE	INTERMEDIATE	INADEQUATE	UNKNOWN
ALL RACES	59,090	20,783	21,992	4,165	10,445	1,705
Under 15	48	5	9	3	26	5
15-19	4,478	1,334	1,463	342	1,181	158
20-24	16,053	5,340	5,651	1,189	3,425	448
25-29	18,626	6,626	7,238	1,272	2,991	499
30-34	13,424	4,948	5,312	943	1,846	375
35-39	5,496	2,138	2,014	352	811	181
40-44	923	371	298	59	159	36
45+	39	21	7	5	6	0
Not stated	3	0	0	0	0	3
WHITE	39,241	13,994	15,382	2,732	6,139	994
Under 15	19	2	6	1	6	4
15-19	2,623	856	905	192	595	75
20-24	9,694	3,349	3,527	691	1,884	243
25-29	12,737	4,595	5,187	855	1,802	298
30-34	9,708	3,495	4,068	691	1,223	231
35-39	3,800	1,443	1,470	251	523	113
40-44	628	238	214	47	102	27
45+	29	16	5	4	4	0
Not stated	3	0	0	0	0	3
BLACK AND OTHER	19,849	6,789	6,610	1,433	4,306	711
Under 15	29	3	3	2	20	1
15-19	1,855	478	558	150	586	83
20-24	6,359	1,991	2,124	498	1,541	205
25-29	5,889	2,031	2,051	417	1,189	201
30-34	3,716	1,453	1,244	252	623	144
35-39	1,696	695	544	101	288	68
40-44	295	133	84	12	57	9
45+	10	5	2	1	2	0
Not stated	0	0	0	0	0	0

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

TABLE 14
BIRTHS BY BIRTH WEIGHT ¹, RACE AND AGE GROUP OF MOTHER
ALABAMA, 2016

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	59,090	48	1,231	3,247	16,053	18,626	13,424	5,496	923	39	3
WHITE	39,241	19	673	1,950	9,694	12,737	9,708	3,800	628	29	3
BLACK AND OTHER	19,849	29	558	1,297	6,359	5,889	3,716	1,696	295	10	0
LESS THAN 500 GRAMS	162	0	7	12	49	36	46	11	1	0	0
WHITE	52	0	0	5	17	10	16	4	0	0	0
BLACK AND OTHER	110	0	7	7	32	26	30	7	1	0	0
500-999 GRAMS	484	0	7	43	120	150	110	47	7	0	0
WHITE	206	0	4	18	45	60	58	20	1	0	0
BLACK AND OTHER	278	0	3	25	75	90	52	27	6	0	0
1,000-1,499 GRAMS	533	0	17	28	150	150	118	59	10	0	1
WHITE	251	0	9	12	60	63	67	34	5	0	1
BLACK AND OTHER	282	0	8	16	90	87	51	25	5	0	0
1,500-1,999 GRAMS	1,172	1	21	69	325	345	269	117	24	1	0
WHITE	587	1	11	27	151	175	151	57	14	0	0
BLACK AND OTHER	585	0	10	42	174	170	118	60	10	1	0
2,000-2,499 GRAMS	3,753	1	96	223	1,104	1,099	788	357	81	4	0
WHITE	2,035	0	41	116	510	609	498	211	48	2	0
BLACK AND OTHER	1,718	1	55	107	594	490	290	146	33	2	0
2,500-4,499 GRAMS	52,452	46	1,079	2,859	14,197	16,685	11,930	4,834	787	33	2
WHITE	35,667	18	607	1,759	8,820	11,686	8,784	3,412	553	26	2
BLACK AND OTHER	16,785	28	472	1,100	5,377	4,999	3,146	1,422	234	7	0
4,500 GRAMS AND OVER	525	0	3	13	106	160	162	68	12	1	0
WHITE	439	0	1	13	89	134	133	61	7	1	0
BLACK AND OTHER	86	0	2	0	17	26	29	7	5	0	0
NOT STATED	9	0	1	0	2	1	1	3	1	0	0
WHITE	4	0	0	0	2	0	1	1	0	0	0
BLACK AND OTHER	5	0	1	0	0	1	0	2	1	0	0

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

TABLE 15
LOW WEIGHT BIRTHS ¹ AND PERCENT ² OF LOW WEIGHT BIRTHS BY RACE ³
ALABAMA, 1970-2016

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

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 1990-2016 are by race of mother.

TABLE 16
LOW WEIGHT BIRTHS ¹ AND PERCENT ² OF LOW WEIGHT BIRTHS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2016

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	6,104	10.3	3,131	8.0	2,973	15.0
Autauga	57	8.6	35	7.2	22	12.4
Baldwin	174	7.7	135	7.0	39	12.3
Barbour	35	12.5	11	9.2	24	15.0
Bibb	26	9.5	14	6.6	12	19.7
Blount	54	7.6	54	7.7	0	0.0
Bullock	26	18.6	1	3.3	25	22.7
Butler	36	15.7	11	11.0	25	19.2
Calhoun	128	9.4	78	7.8	50	14.1
Chambers	46	12.5	14	7.4	32	18.0
Cherokee	13	5.5	11	5.0	2	13.3
Chilton	39	7.5	34	7.4	5	8.5
Choctaw	16	11.2	4	6.1	12	15.6
Clarke	43	15.8	12	9.4	31	21.4
Clay	11	8.7	10	9.3	1	5.6
Cleburne	11	7.1	9	6.1	2	28.6
Coffee	59	8.8	40	8.0	19	11.2
Colbert	71	11.7	57	11.5	14	12.4
Conecuh	12	9.7	7	10.8	5	8.5
Coosa	9	11.0	4	6.8	5	21.7
Covington	40	8.9	32	8.1	8	14.8
Crenshaw	17	11.0	11	9.4	6	16.2
Cullman	88	9.0	82	8.6	6	24.0
Dale	68	10.0	40	8.0	28	15.4
Dallas	65	13.2	12	12.1	53	13.4
DeKalb	77	8.9	72	8.8	5	9.6
Elmore	80	8.9	45	6.7	35	15.2
Escambia	45	9.7	20	7.2	25	13.6
Etowah	101	8.3	63	6.8	38	13.2
Fayette	14	8.8	11	8.6	3	9.7
Franklin	42	9.6	41	9.7	1	7.1
Geneva	24	8.4	16	6.3	8	23.5
Greene	17	16.8	1	9.1	16	17.8
Hale	26	14.3	3	4.5	23	20.0
Henry	17	9.1	10	7.4	7	13.7
Houston	150	11.2	66	7.8	84	17.2
Jackson	54	9.2	46	8.5	8	17.8
Jefferson	1,013	11.7	377	8.3	636	15.6
Lamar	15	11.3	10	8.4	5	35.7
Lauderdale	89	9.8	69	8.8	20	15.9
Lawrence	25	6.5	22	6.4	3	7.1
Lee	161	8.5	76	5.9	85	13.8
Limestone	94	9.2	78	8.7	16	12.2
Lowndes	16	11.8	1	3.3	15	14.2
Macon	20	10.8	3	8.8	17	11.3
Madison	410	9.7	198	7.1	212	14.7
Marengo	31	12.9	13	11.9	18	13.6
Marion	31	10.2	29	10.2	2	10.5
Marshall	109	7.8	94	7.7	15	8.4
Mobile	654	11.9	268	8.9	386	15.4
Monroe	24	11.1	14	13.0	10	9.3
Montgomery	395	12.6	78	7.6	317	15.0
Morgan	139	9.5	93	7.8	46	16.3
Perry	11	9.4	1	3.6	10	11.2
Pickens	33	14.3	19	14.6	14	13.9
Pike	31	8.4	17	8.7	14	8.1
Randolph	21	8.9	16	8.2	5	11.6
Russell	77	9.6	27	6.4	50	13.2
St. Clair	94	8.9	73	7.6	21	21.6
Shelby	175	7.3	116	5.9	59	14.1
Sumter	16	12.0	2	6.7	14	13.6
Talladega	110	12.5	66	12.4	44	12.8
Tallapoosa	65	14.1	24	8.3	41	23.8
Tuscaloosa	305	11.8	119	8.2	186	16.3
Walker	81	10.2	71	10.0	10	11.5
Washington	23	12.8	16	12.0	7	14.9
Wilcox	15	10.7	1	3.2	14	12.8
Winston	30	12.3	28	11.8	2	33.3

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 17
LOW WEIGHT BIRTHS¹ AND PERCENT² OF LOW WEIGHT BIRTHS
BY RACE AND AGE GROUP OF MOTHER
ALABAMA, 2016

RACE AND AGE GROUP OF MOTHER	TOTAL BIRTHS	LOW WEIGHT BIRTHS	PERCENT OF LOW WEIGHT BIRTHS	UNKNOWN/ NOT STATED
ALL RACES	59,090	6,104	10.3	9
UNDER 15	48	2	--	0
15-17	1,231	148	12.0	1
18-19	3,247	375	11.5	0
20-24	16,053	1,748	10.9	2
25-29	18,626	1,780	9.6	1
30-34	13,424	1,331	9.9	1
35-39	5,496	591	10.8	3
40-44	923	123	13.3	1
45+	39	5	--	0
NOT STATED	3	1	--	0
WHITE	39,241	3,131	8.0	4
UNDER 15	19	1	--	0
15-17	673	65	9.7	0
18-19	1,950	178	9.1	0
20-24	9,694	783	8.1	2
25-29	12,737	917	7.2	0
30-34	9,708	790	8.1	1
35-39	3,800	326	8.6	1
40-44	628	68	10.8	0
45+	29	2	--	0
NOT STATED	3	1	--	0
BLACK AND OTHER	19,849	2,973	15.0	5
UNDER 15	29	1	--	0
15-17	558	83	14.9	1
18-19	1,297	197	15.2	0
20-24	6,359	965	15.2	0
25-29	5,889	863	14.7	1
30-34	3,716	541	14.6	0
35-39	1,696	265	15.6	2
40-44	295	55	18.7	1
45+	10	3	--	0
NOT STATED	0	0	--	0

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

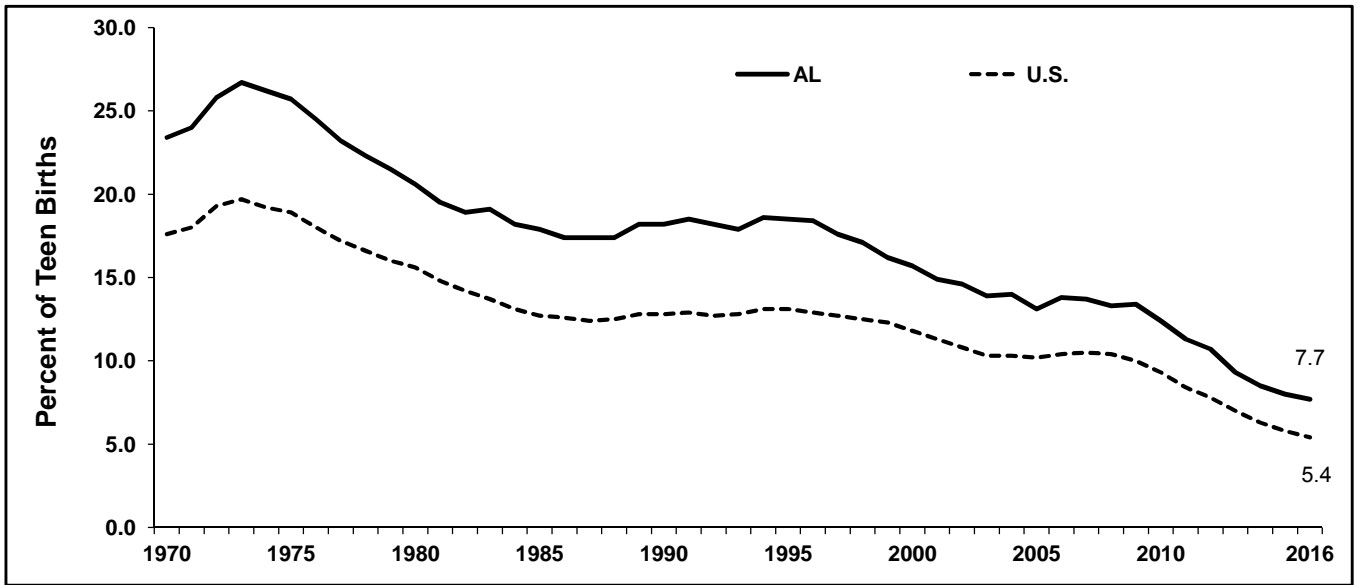
² Percentages were not calculated in instances where there were fewer than 50 live births in specified population. Denominator includes only births with known birth weights.

TABLE 18
NUMBER AND PERCENT OF BIRTHS TO TEENAGE MOTHERS BY RACE ¹
ALABAMA AND UNITED STATES, 1970-2016

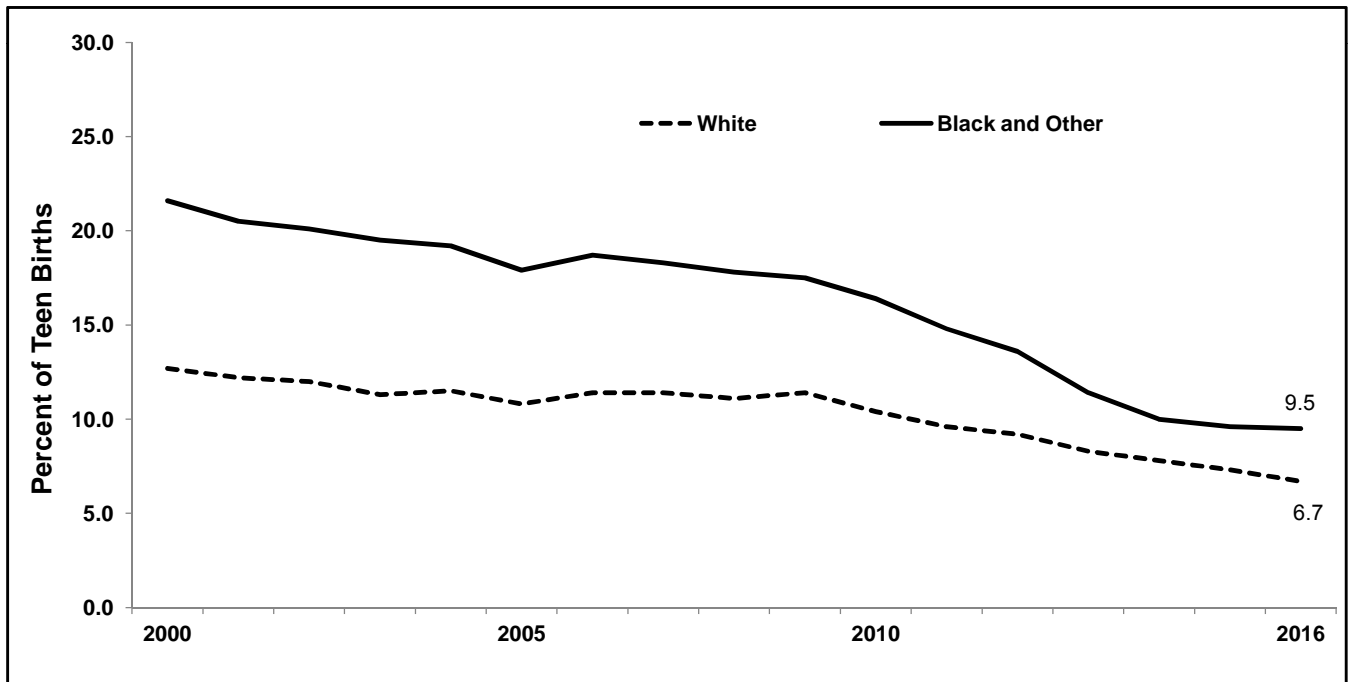
YEAR	ALL RACES			WHITE		BLACK AND OTHER	
	ALABAMA		U.S.	ALABAMA		ALABAMA	
	NUMBER	PERCENT	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
1970	15,834	23.4	17.6	8,734	19.2	7,100	32.1
1971	15,990	24.0	18.0	8,568	19.4	7,422	32.9
1972	15,917	25.8	19.3	8,279	20.6	7,638	35.3
1973	15,895	26.7	19.7	8,338	21.5	7,557	36.6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

¹ Data for 1970-1989 are by race of child. Data for 1990-2016 are by race of mother.

**FIGURE 5. PERCENT OF BIRTHS TO TEENAGE MOTHERS
ALABAMA AND UNITED STATES, 1970-2016**



**FIGURE 6. PERCENT OF BIRTHS TO TEENAGE MOTHERS BY RACE OF MOTHER
ALABAMA, 2000-2016**



**TABLE 19
NUMBER AND PERCENT ¹ OF BIRTHS TO TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2016**

COUNTY	ALL RACES		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	4,526	7.7	2,642	6.7	1,884	9.5
Autauga	47	7.1	33	6.8	14	7.9
Baldwin	160	7.1	132	6.8	28	8.8
Barbour	27	9.7	10	8.4	17	10.6
Bibb	25	9.2	23	10.8	2	3.3
Blount	52	7.3	50	7.1	2	20.0
Bullock	14	10.0	3	10.0	11	10.0
Butler	14	6.1	10	10.0	4	3.1
Calhoun	115	8.5	92	9.2	23	6.5
Chambers	39	10.6	21	11.1	18	10.1
Cherokee	29	12.2	25	11.3	4	26.7
Chilton	55	10.6	48	10.4	7	11.9
Choctaw	13	9.1	7	10.6	6	7.8
Clarke	38	13.9	14	10.9	24	16.6
Clay	14	11.1	13	12.0	1	5.6
Cleburne	14	9.1	14	9.5	0	0.0
Coffee	51	7.6	36	7.2	15	8.9
Colbert	46	7.6	39	7.9	7	6.2
Conecuh	6	4.8	1	1.5	5	8.5
Coosa	11	13.4	8	13.6	3	13.0
Covington	48	10.7	41	10.4	7	13.0
Crenshaw	15	9.7	12	10.3	3	8.1
Cullman	86	8.8	84	8.8	2	8.0
Dale	54	7.9	34	6.8	20	11.0
Dallas	44	8.9	5	5.1	39	9.9
DeKalb	91	10.5	87	10.6	4	7.7
Elmore	62	6.9	41	6.1	21	9.1
Escambia	48	10.4	24	8.6	24	13.0
Etowah	112	9.2	83	9.0	29	10.1
Fayette	11	6.9	9	7.0	2	6.5
Franklin	40	9.1	39	9.2	1	7.1
Geneva	38	13.2	33	13.0	5	14.7
Greene	12	11.9	1	9.1	11	12.2
Hale	15	8.2	4	6.0	11	9.6
Henry	14	7.5	8	5.9	6	11.8
Houston	105	7.9	46	5.4	59	12.1
Jackson	58	9.9	54	10.0	4	8.9
Jefferson	536	6.2	171	3.7	365	8.9
Lamar	17	12.8	15	12.6	2	14.3
Lauderdale	57	6.3	42	5.4	15	11.9
Lawrence	34	8.9	30	8.8	4	9.5
Lee	100	5.3	57	4.5	43	7.0
Limestone	74	7.2	62	7.0	12	9.2
Lowndes	13	9.6	1	3.3	12	11.3
Macon	21	11.4	4	11.8	17	11.3
Madison	207	4.9	105	3.8	102	7.1
Marengo	10	4.1	4	3.7	6	4.5
Marion	44	14.5	42	14.8	2	10.5
Marshall	140	10.1	117	9.6	23	12.8
Mobile	424	7.7	174	5.8	250	10.0
Monroe	32	14.8	18	16.7	14	13.0
Montgomery	272	8.7	48	4.7	224	10.6
Morgan	130	8.8	98	8.2	32	11.3
Perry	11	9.4	1	3.6	10	11.2
Pickens	17	7.4	9	6.9	8	7.9
Pike	27	7.3	10	5.1	17	9.8
Randolph	23	9.7	14	7.2	9	20.9
Russell	54	6.8	22	5.3	32	8.4
St. Clair	82	7.8	75	7.8	7	7.2
Shelby	94	3.9	80	4.1	14	3.3
Sumter	16	12.0	0	0.0	16	15.5
Talladega	78	8.9	43	8.1	35	10.2
Tallapoosa	43	9.3	27	9.3	16	9.2
Tuscaloosa	197	7.6	71	4.9	126	11.1
Walker	87	11.0	75	10.6	12	13.8
Washington	16	8.9	9	6.8	7	14.9
Wilcox	15	10.7	3	9.7	12	11.0
Winston	32	13.2	31	13.1	1	16.7

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

**TABLE 20
NUMBER AND RATE ¹ OF BIRTHS TO TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2016**

COUNTY	ALL RACES		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	4,526	14.7	2,642	13.3	1,884	17.1
Autauga	47	12.0	33	11.2	14	14.6
Baldwin	160	12.6	132	12.6	28	12.2
Barbour	27	18.1	10	15.8	17	19.9
Bibb	25	21.5	23	24.9	2	8.3
Blount	52	14.0	50	14.2	2	9.6
Bullock	14	25.3	3	28.0	11	24.6
Butler	14	11.6	10	18.9	4	5.9
Calhoun	115	16.0	92	18.3	23	10.5
Chambers	39	20.8	21	22.1	18	19.5
Cherokee	29	19.3	25	18.3	4	28.8
Chilton	55	19.5	48	20.0	7	16.6
Choctaw	13	17.3	7	17.5	6	17.1
Clarke	38	23.7	14	17.6	24	29.6
Clay	14	18.2	13	21.1	1	6.6
Cleburne	14	15.7	14	16.6	0	0.0
Coffee	51	15.6	36	15.0	15	17.1
Colbert	46	14.7	39	16.1	7	10.0
Conecuh	6	8.2	1	3.4	5	11.3
Coosa	11	20.2	8	23.2	3	15.0
Covington	48	21.7	41	22.9	7	16.5
Crenshaw	15	17.5	12	20.6	3	11.0
Cullman	86	17.4	84	17.8	2	9.2
Dale	54	18.0	34	17.0	20	20.1
Dallas	44	15.7	5	9.3	39	17.3
DeKalb	91	19.5	87	20.6	4	8.9
Elmore	62	12.0	41	11.1	21	14.4
Escambia	48	20.2	24	17.8	24	23.4
Etowah	112	17.8	83	17.2	29	19.9
Fayette	11	11.5	9	10.9	2	15.6
Franklin	40	19.6	39	20.9	1	5.8
Geneva	38	23.5	33	24.5	5	18.8
Greene	12	23.6	1	21.3	11	23.8
Hale	15	15.5	4	12.3	11	17.2
Henry	14	14.1	8	11.9	6	18.5
Houston	105	16.0	46	11.2	59	24.0
Jackson	58	18.9	54	19.4	4	14.5
Jefferson	536	13.1	171	8.8	365	16.9
Lamar	17	19.8	15	20.4	2	16.3
Lauderdale	57	9.8	42	8.7	15	14.5
Lawrence	34	17.4	30	21.0	4	7.6
Lee	100	8.8	57	7.3	43	12.1
Limestone	74	12.5	62	13.2	12	9.7
Lowndes	13	20.9	1	8.9	12	23.5
Macon	21	15.1	4	31.0	17	13.5
Madison	207	9.1	105	7.4	102	12.0
Marengo	10	8.4	4	8.4	6	8.3
Marion	44	25.8	42	26.3	2	17.9
Marshall	140	22.8	117	20.7	23	46.0
Mobile	424	15.9	174	12.4	250	19.8
Monroe	32	22.8	18	24.8	14	20.6
Montgomery	272	19.4	48	12.2	224	22.2
Morgan	130	17.6	98	16.8	32	20.8
Perry	11	15.2	1	4.8	10	19.5
Pickens	17	15.6	9	16.8	8	14.5
Pike	27	10.6	10	7.2	17	14.5
Randolph	23	16.0	14	13.3	9	23.6
Russell	54	15.3	22	14.6	32	15.9
St. Clair	82	15.8	75	16.8	7	9.6
Shelby	94	6.5	80	6.8	14	5.0
Sumter	16	17.4	0	0.0	16	23.0
Talladega	78	15.4	43	14.5	35	16.6
Tallapoosa	43	18.7	27	18.2	16	19.5
Tuscaloosa	197	13.3	71	7.8	126	21.9
Walker	87	23.1	75	22.7	12	26.0
Washington	16	14.6	9	13.4	7	16.4
Wilcox	15	18.9	3	19.5	12	18.8
Winston	32	22.5	31	22.9	1	15.2

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

**Figure 7. Birth Rates to Teenage Mothers by County of Residence
Alabama, 2016**

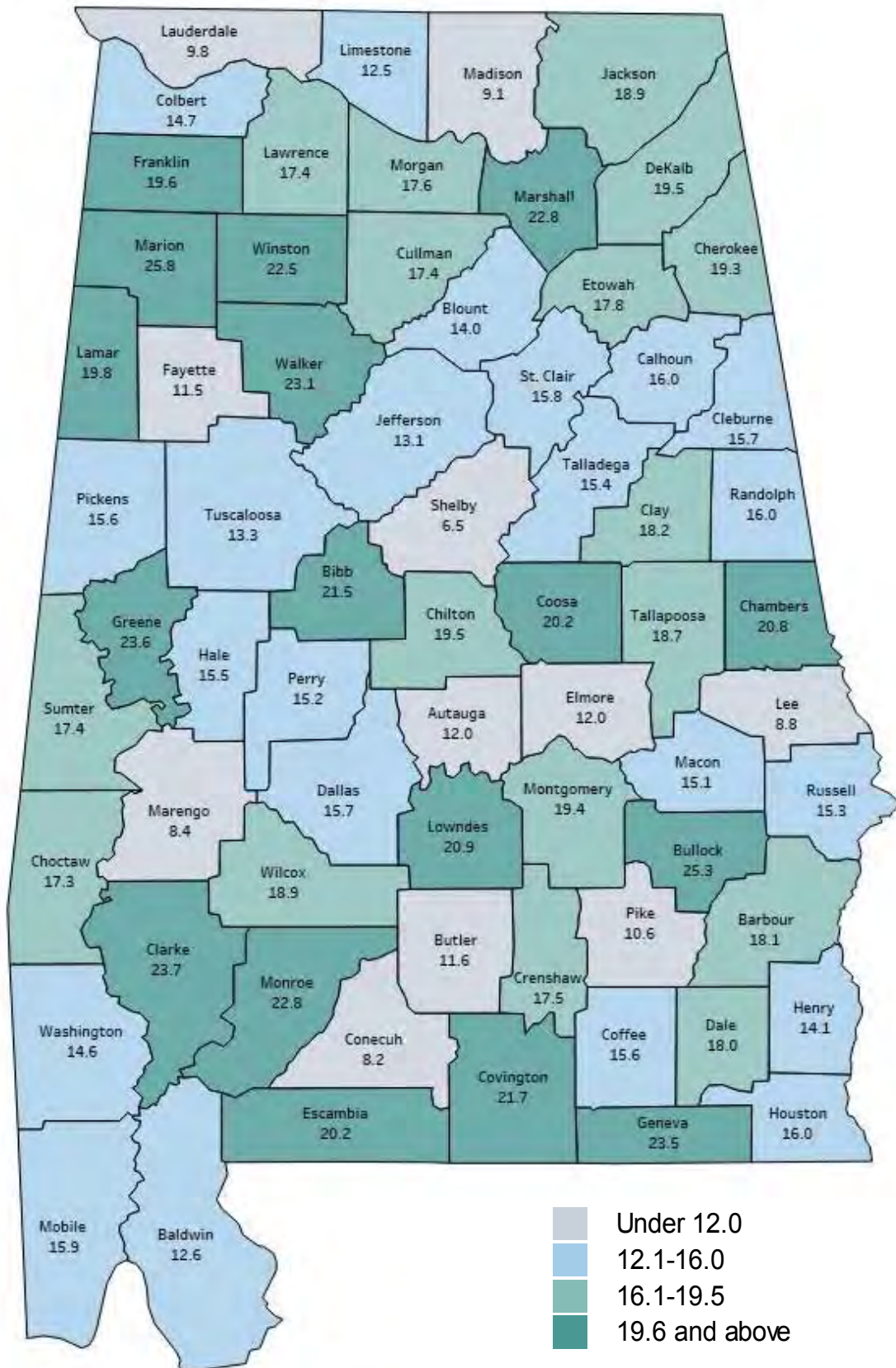


TABLE 21
NUMBER AND PERCENT ¹ OF BIRTHS
TO UNMARRIED TEENAGE MOTHERS BY RACE ²
ALABAMA AND UNITED STATES, 1970-2016 ³

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

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 1990-2016 are by race of mother.

³ Data for 1970 are by occurrence. Data for 1971-2016 are by residence.

TABLE 22
NUMBER AND PERCENT ¹ OF BIRTHS TO UNMARRIED TEENAGE MOTHERS
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2016

COUNTY OF RESIDENCE	ALL RACES		WHITE		BLACK AND OTHER	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
TOTAL	3,878	85.7	2,061	78.0	1,817	96.4
Autauga	39	83.0	26	78.8	13	92.9
Baldwin	143	89.4	118	89.4	25	89.3
Barbour	25	92.6	8	80.0	17	100.0
Bibb	21	84.0	19	82.6	2	100.0
Blount	43	82.7	42	84.0	1	50.0
Bullock	14	100.0	3	100.0	11	100.0
Butler	14	100.0	10	100.0	4	100.0
Calhoun	99	86.1	76	82.6	23	100.0
Chambers	36	92.3	18	85.7	18	100.0
Cherokee	18	62.1	16	64.0	2	50.0
Chilton	41	74.5	34	70.8	7	100.0
Choctaw	13	100.0	7	100.0	6	100.0
Clarke	36	94.7	13	92.9	23	95.8
Clay	7	50.0	6	46.2	1	100.0
Cleburne	12	85.7	12	85.7	0	---
Coffee	42	82.4	27	75.0	15	100.0
Colbert	39	84.8	32	82.1	7	100.0
Conecuh	5	83.3	0	0.0	5	100.0
Coosa	10	90.9	7	87.5	3	100.0
Covington	39	81.3	32	78.0	7	100.0
Crenshaw	14	93.3	11	91.7	3	100.0
Cullman	65	75.6	63	75.0	2	100.0
Dale	50	92.6	31	91.2	19	95.0
Dallas	42	95.5	3	60.0	39	100.0
DeKalb	61	67.0	60	69.0	1	25.0
Elmore	54	87.1	35	85.4	19	90.5
Escambia	42	87.5	19	79.2	23	95.8
Etowah	88	78.6	61	73.5	27	93.1
Fayette	10	90.9	8	88.9	2	100.0
Franklin	30	75.0	29	74.4	1	100.0
Geneva	33	86.8	28	84.8	5	100.0
Greene	10	83.3	0	0.0	10	90.9
Hale	13	86.7	2	50.0	11	100.0
Henry	12	85.7	6	75.0	6	100.0
Houston	91	86.7	35	76.1	56	94.9
Jackson	44	75.9	42	77.8	2	50.0
Jefferson	503	93.8	141	82.5	362	99.2
Lamar	11	64.7	9	60.0	2	100.0
Lauderdale	47	82.5	33	78.6	14	93.3
Lawrence	25	73.5	21	70.0	4	100.0
Lee	85	85.0	45	78.9	40	93.0
Limestone	60	81.1	48	77.4	12	100.0
Lowndes	12	92.3	1	100.0	11	91.7
Macon	21	100.0	4	100.0	17	100.0
Madison	181	87.4	81	77.1	100	98.0
Marengo	9	90.0	3	75.0	6	100.0
Marion	29	65.9	27	64.3	2	100.0
Marshall	103	73.6	87	74.4	16	69.6
Mobile	391	92.2	148	85.1	243	97.2
Monroe	28	87.5	14	77.8	14	100.0
Montgomery	254	93.4	36	75.0	218	97.3
Morgan	113	86.9	81	82.7	32	100.0
Perry	11	100.0	1	100.0	10	100.0
Pickens	17	100.0	9	100.0	8	100.0
Pike	24	88.9	7	70.0	17	100.0
Randolph	20	87.0	11	78.6	9	100.0
Russell	50	92.6	18	81.8	32	100.0
St. Clair	66	80.5	60	80.0	6	85.7
Shelby	68	72.3	57	71.3	11	78.6
Sumter	16	100.0	0	---	16	100.0
Talladega	71	91.0	36	83.7	35	100.0
Tallapoosa	36	83.7	20	74.1	16	100.0
Tuscaloosa	184	93.4	61	85.9	123	97.6
Walker	45	51.7	40	53.3	5	41.7
Washington	15	93.8	8	88.9	7	100.0
Wilcox	15	100.0	3	100.0	12	100.0
Winston	13	40.6	12	38.7	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 23
FERTILITY RATES AND AGE-SPECIFIC BIRTH RATES ¹
ALABAMA, 1970-2016

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

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 24
FERTILITY RATES AND AGE-SPECIFIC BIRTH RATES¹ FOR WHITE FEMALES
ALABAMA, 1970-2016

YEAR	TOTAL FERTILITY RATE	GENERAL FERTILITY RATE	AGE-SPECIFIC BIRTH RATES							
			10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
1970	2,321.5	83.4	0.7	74.8	170.8	129.5	58.3	24.1	5.7	0.4
1971	2,196.0	79.8	0.8	72.3	164.7	119.7	54.5	21.6	5.3	0.3
1972	1,940.5	70.8	0.9	68.4	135.8	109.8	49.0	19.2	4.7	0.3
1973	1,821.5	67.0	0.9	67.7	122.4	105.2	46.7	17.4	3.8	0.2
1974	1,760.0	65.3	0.9	64.7	122.7	102.0	43.3	14.7	3.4	0.2
1975	1,668.5	62.2	0.9	60.7	115.6	97.6	41.5	14.1	3.1	0.2
1976	1,634.0	60.8	1.0	57.0	113.5	98.0	41.0	13.4	2.7	0.2
1977	1,730.0	64.2	1.1	58.7	119.4	104.7	45.2	13.6	3.1	0.2
1978	1,625.0	60.1	0.9	54.5	111.4	97.0	45.3	13.1	2.7	0.1
1979	1,627.0	60.1	0.8	53.1	112.3	99.0	45.0	12.8	2.4	— ²
1980	1,691.5	61.9	0.8	52.4	116.5	105.5	47.5	13.1	2.3	0.2
1981	1,622.0	58.6	0.6	48.3	111.2	102.2	47.0	12.8	2.1	0.2
1982	1,592.0	56.9	0.6	46.2	108.7	101.1	46.3	13.5	1.9	0.1
1983	1,575.5	55.8	0.6	46.0	105.4	101.2	45.6	14.2	2.0	0.1
1984	1,568.0	55.0	0.6	44.5	105.2	98.4	47.7	15.2	1.9	0.1
1985	1,598.5	55.6	0.7	45.8	106.7	100.6	49.6	14.2	2.0	0.1
1986	1,616.0	56.4	0.6	45.1	100.7	104.6	54.2	15.5	2.4	0.1
1987	1,625.5	56.1	0.6	44.3	97.6	106.8	57.7	15.7	2.3	0.1
1988	1,639.5	56.1	0.5	44.7	98.2	105.3	59.8	17.2	2.2	— ²
1989	1,679.5	56.9	0.5	45.7	100.5	108.2	60.5	17.7	2.7	0.1
1990	1,820.5	61.0	0.7	55.6	112.7	111.2	61.1	20.0	2.7	0.1
1991	1,814.5	60.4	0.8	57.6	109.8	111.1	61.1	19.9	2.5	0.1
1992	1,820.5	60.3	0.9	54.3	112.0	109.9	64.0	19.8	3.1	0.1
1993	1,827.6	60.2	1.0	53.7	111.5	108.6	66.2	21.3	3.0	0.1
1994	1,836.5	60.2	0.6	56.2	107.7	108.3	68.6	22.6	3.1	0.2
1995	1,862.5	60.8	0.8	57.9	107.6	108.1	71.7	22.9	3.4	0.1
1996	1,906.5	62.0	0.9	57.9	106.6	113.8	72.6	25.5	3.9	0.1
1997	1,941.5	62.9	0.6	57.7	107.1	119.0	73.6	26.5	3.7	0.1
1998	2,015.5	65.0	0.6	57.6	114.5	123.4	75.0	27.5	4.4	0.1
1999	2,047.0	65.9	0.7	55.9	118.6	123.0	77.6	28.9	4.6	0.1
2000	2,022.5	64.1	0.6	51.9	120.8	119.8	78.7	28.1	4.4	0.2
2001	1,957.0	62.1	0.6	47.7	116.9	113.6	80.0	27.8	4.5	0.3
2002	1,933.0	61.5	0.5	46.1	113.9	111.4	83.1	26.6	4.7	0.3
2003	1,971.5	63.3	0.5	45.9	109.6	119.2	84.5	29.5	4.9	0.2
2004	1,931.0	62.3	0.4	45.9	109.3	113.9	80.1	31.1	5.3	0.2
2005	1,971.5	63.6	0.4	43.9	114.8	115.1	82.4	32.2	5.2	0.3
2006	2,060.0	66.7	0.5	46.8	121.1	121.7	82.6	33.6	5.4	0.3
2007	2,091.0	68.1	0.4	47.6	122.7	121.5	86.0	34.0	5.8	0.2
2008	2,047.5	68.1	0.5	45.9	119.3	120.8	84.3	33.0	5.5	0.2
2009	2,005.5	66.3	0.6	46.0	112.0	120.1	85.2	31.1	5.8	0.3
2010	1,997.5	65.4	0.4	40.1	105.5	126.4	89.1	31.7	6.1	0.2
2011	1,898.5	63.0	0.4	36.6	96.2	121.0	86.3	32.4	6.5	0.3
2012	1,845.5	61.5	0.3	35.1	91.3	118.4	86.3	32.1	5.3	0.3
2013	1,844.5	63.2	0.3	31.8	93.0	118.0	86.7	33.2	5.5	0.4
2014	1,885.5	63.0	0.3	30.6	93.7	119.9	92.1	34.7	5.5	0.3
2015	1,897.0	63.7	0.2	28.5	94.1	119.8	93.8	36.9	5.8	0.3
2016	1,888.5	63.7	0.2	26.0	94.8	117.3	95.3	37.7	6.2	0.2

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 25
FERTILITY RATES AND AGE-SPECIFIC BIRTH RATES ¹ FOR BLACK AND OTHER FEMALES
ALABAMA, 1970-2016

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

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 26
ESTIMATED PREGNANCIES ¹, PREGNANCY RATES ² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2016

COUNTY	ALL RACES					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	78,563	82.5	59,090	6,959	12,514	49,755	80.8	39,241	2,423	8,091	28,808	85.5	19,849	4,536	4,423
Autauga	877	80.7	663	74	140	622	77.3	485	36	101	255	90.2	178	38	39
Baldwin	2,761	75.3	2,247	59	455	2,351	76.4	1,929	33	389	410	69.6	318	26	66
Barbour	377	92.9	279	38	60	148	84.9	119	5	24	228	99.0	160	33	35
Bibb	344	90.6	273	15	56	264	87.5	212	9	43	80	102.2	61	6	13
Blount	888	86.1	715	27	146	872	88.1	705	24	143	15	36.8	10	3	2
Bullock	194	116.1	140	24	30	38	116.1	30	2	6	156	116.1	110	22	24
Butler	298	78.5	230	20	48	123	73.3	100	3	20	175	82.6	130	17	28
Calhoun	1,813	81.4	1,357	168	288	1,289	81.2	1,002	79	208	524	81.9	355	89	80
Chambers	504	82.6	367	58	79	247	78.6	189	18	40	258	86.9	178	40	40
Cherokee	295	71.2	237	10	48	277	71.5	222	10	45	18	66.9	15	0	3
Chilton	663	81.1	521	34	108	578	82.3	462	21	95	85	73.7	59	13	13
Choctaw	199	89.9	143	25	31	85	70.2	66	5	14	114	113.5	77	20	17
Clarke	345	75.8	273	16	56	158	72.8	128	4	26	187	78.5	145	12	30
Clay	159	66.6	126	7	26	135	69.0	108	5	22	24	55.6	18	2	4
Cleburne	188	74.0	154	3	31	179	73.8	147	2	30	10	78.5	7	1	2
Coffee	841	87.4	668	36	137	622	88.6	499	21	102	219	84.1	169	15	35
Colbert	775	79.3	607	42	126	627	81.4	494	31	102	148	71.3	113	11	24
Conecuh	160	75.9	124	10	26	78	85.5	65	0	13	82	68.5	59	10	13
Coosa	108	66.1	82	9	17	72	67.6	59	1	12	36	63.2	23	8	5
Covington	554	85.6	450	13	91	485	91.6	396	9	80	69	58.6	54	4	11
Crenshaw	191	77.5	154	6	31	145	86.1	117	4	24	47	59.1	37	2	8
Cullman	1,228	83.2	978	49	201	1,195	84.2	953	47	195	32	56.9	25	2	5
Dale	847	90.4	680	28	139	610	92.6	498	11	101	237	85.2	182	17	38
Dallas	693	87.5	494	91	108	123	73.5	99	4	20	570	91.2	395	87	88
DeKalb	1,081	83.1	869	35	177	1,011	84.6	817	28	166	70	65.6	52	7	11
Elmore	1,172	70.4	898	86	188	841	69.9	668	36	137	331	71.6	230	50	51
Escambia	565	88.5	462	10	93	339	89.0	278	5	56	226	87.7	184	5	37
Etowah	1,568	82.3	1,214	101	253	1,164	78.7	926	48	190	404	95.2	288	53	63
Fayette	206	74.4	159	14	33	168	69.7	128	13	27	38	105.2	31	1	6
Franklin	539	93.2	438	12	89	520	98.3	424	10	86	19	38.5	14	2	3
Geneva	351	76.9	287	6	58	307	78.2	253	3	51	44	69.1	34	3	7
Greene	150	106.6	101	26	23	13	72.9	11	0	2	137	111.6	90	26	21
Hale	257	91.6	182	35	40	85	91.1	67	4	14	172	91.9	115	31	26

¹ Estimated pregnancy is the sum of abortion, live birth and estimated total fetal loss.

² Estimated pregnancy rate is per 1,000 females aged 15-44 years. See pregnancy rate formulas in Appendix B.

³ Estimated total fetal loss is equal to two-tenths of live birth plus one-tenth of the abortion. Estimated total fetal loss should not be confused with fetal death. Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

TABLE 26 (Continued)
ESTIMATED PREGNANCIES ¹, PREGNANCY RATES ² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2016

COUNTY	ALL RACES					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	78,563	82.5	59,090	6,959	12,514	49,755	80.8	39,241	2,423	8,091	28,808	85.5	19,849	4,536	4,423
Henry	232	79.3	186	8	38	163	81.4	135	1	27	69	74.8	51	7	11
Houston	1,693	84.0	1,334	84	275	1,056	81.6	845	38	173	637	88.3	489	46	102
Jackson	724	79.1	586	19	119	665	79.7	541	14	110	60	73.8	45	5	10
Jefferson	12,271	90.5	8,650	1,719	1,902	5,974	89.8	4,566	450	958	6,297	91.2	4,084	1,269	944
Lamar	164	69.4	133	4	27	145	71.0	119	2	24	19	59.0	14	2	3
Lauderdale	1,170	65.8	908	73	189	989	66.2	782	46	161	181	63.9	126	27	28
Lawrence	493	83.9	384	29	80	430	95.3	342	18	70	63	46.0	42	11	10
Lee	2,606	66.8	1,892	305	409	1,680	61.9	1,278	133	269	926	78.0	614	172	140
Limestone	1,344	77.7	1,023	106	215	1,131	81.4	892	55	184	213	62.8	131	51	31
Lowndes	195	106.0	136	29	30	38	109.1	30	2	6	157	105.3	106	27	24
Macon	283	66.0	185	55	43	44	87.5	34	3	7	238	63.1	151	52	35
Madison	5,795	81.7	4,223	661	911	3,606	82.6	2,784	241	581	2,189	80.2	1,439	420	330
Marengo	322	91.4	241	30	51	136	95.2	109	5	22	186	88.7	132	25	29
Marion	379	75.9	303	14	62	352	74.4	284	10	58	27	100.7	19	4	4
Marshall	1,745	102.2	1,393	67	285	1,518	95.3	1,214	56	248	227	198.9	179	11	37
Mobile	6,972	83.4	5,502	336	1,134	3,703	80.4	2,998	96	609	3,269	87.1	2,504	240	525
Monroe	274	69.8	216	13	45	132	69.4	108	2	22	142	70.1	108	11	23
Montgomery	4,507	93.8	3,139	673	695	1,347	97.8	1,031	100	216	3,160	92.2	2,108	573	479
Morgan	1,911	88.8	1,470	134	307	1,516	88.7	1,188	82	246	396	88.9	282	52	62
Perry	157	80.5	117	15	25	34	58.0	28	0	6	123	90.1	89	15	19
Pickens	315	87.8	231	34	50	162	88.2	130	5	27	153	87.4	101	29	23
Pike	486	58.5	368	40	78	252	56.4	195	16	41	234	61.0	173	24	37
Randolph	303	78.1	237	17	49	245	84.6	194	11	40	58	59.2	43	6	9
Russell	1,112	93.4	800	138	174	544	98.6	419	37	88	568	88.9	381	101	86
St. Clair	1,348	83.4	1,056	73	219	1,204	85.6	959	48	197	144	68.9	97	25	22
Shelby	3,094	73.9	2,387	209	498	2,506	75.0	1,969	130	407	589	69.5	418	79	92
Sumter	200	69.0	133	37	30	38	53.0	30	2	6	162	74.3	103	35	24
Talladega	1,161	77.0	877	99	185	677	75.7	533	34	110	484	79.0	344	65	75
Tallapoosa	608	88.1	462	49	97	363	81.8	289	15	59	245	99.4	173	34	38
Tuscaloosa	3,776	75.4	2,589	608	579	1,946	63.4	1,451	186	309	1,830	94.5	1,138	422	270
Walker	1,003	88.4	794	46	163	887	87.1	707	35	145	117	99.8	87	11	19
Washington	222	74.8	180	5	37	162	90.9	133	2	27	60	50.4	47	3	10
Wilcox	187	91.8	140	17	30	38	95.8	31	1	6	148	90.9	109	16	23
Winston	300	76.3	243	8	49	293	77.3	237	8	48	7	50.7	6	0	1

¹ Estimated pregnancy is the sum of abortion, live birth and estimated total fetal loss.

² Estimated pregnancy rate is per 1,000 females aged 15-44 years. See pregnancy rate formulas in Appendix B.

³ Estimated total fetal loss is equal to two-tenths of live birth plus one-tenth of the abortion. Estimated total fetal loss should not be confused with fetal death. Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

TABLE 27
ESTIMATED PREGNANCY RATES BY RACE AND AGE GROUP OF FEMALE
ALABAMA, 2007-2016

AGE GROUP OF FEMALE	YEAR									
	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
ALL RACES										
ALL AGES ¹	92.7	93.4	89.8	85.3	83.9	82.2	81.2	82.2	80.6	82.5
10-19 ²	39.7	39.2	37.9	32.5	29.6	27.7	24.2	22.5	20.7	20.3
10-14 ²	1.6	1.9	1.8	1.3	1.2	1.0	0.8	0.7	0.6	0.6
15-17 ²	41.5	38.0	37.2	31.9	29.2	26.1	21.7	20.4	18.4	18.4
18-19 ²	126.8	128.3	122.9	105.8	98.9	96.7	85.6	79.6	72.6	70.1
20 AND ABOVE ³	78.2	77.9	76.2	73.6	73.3	72.4	72.9	74.6	73.9	75.7
WHITE										
ALL AGES ¹	88.6	88.6	86.2	85.0	81.3	79.2	78.7	80.2	79.8	80.8
10-19 ²	33.2	32.4	32.1	28.5	24.9	23.6	21.3	20.3	18.6	17.6
10-14 ²	0.6	0.9	0.9	0.7	0.6	0.5	0.4	0.4	0.3	0.4
15-17 ²	32.9	29.7	29.4	26.3	23.9	21.5	18.5	17.9	15.4	14.9
18-19 ²	112.0	112.1	111.1	97.0	86.6	85.5	78.0	73.8	68.1	63.1
20 AND ABOVE ³	75.4	74.3	73.5	73.3	71.2	69.8	70.3	72.3	72.7	73.9
BLACK AND OTHER										
ALL AGES ¹	101.0	103.0	97.0	85.8	88.9	87.9	86.0	85.9	82.1	85.5
10-19 ²	51.3	51.6	48.4	39.0	37.9	35.0	29.4	26.6	24.5	25.2
10-14 ²	3.5	3.8	3.5	2.3	2.2	1.8	1.6	1.2	1.0	1.0
15-17 ²	56.3	52.2	50.7	40.8	38.3	34.0	27.4	24.8	23.7	24.5
18-19 ²	152.6	156.0	143.3	119.8	119.7	116.1	98.8	89.8	80.5	82.3
20 AND ABOVE ³	84.3	85.5	82.1	74.2	77.6	77.6	78.0	79.0	76.0	79.3

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

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

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

TABLE 28
ESTIMATED PREGNANCIES, PREGNANCY RATES AND PREGNANCY OUTCOMES BY RACE AND AGE GROUP OF FEMALE
ALABAMA, 2016

	AGE GROUP OF FEMALE						
	TOTAL	10-14	15-17	18-19	10-19	20 AND ABOVE	UNKNOWN
ESTIMATED PREGNANCY ¹	78,563	90	1,743	4,428	6,261	72,298	5
WHITE	49,755	35	903	2,547	3,485	46,265	4
BLACK AND OTHER	28,808	55	840	1,881	2,776	26,033	0
ESTIMATED PREGNANCY RATE ²	82.5	0.6	18.4	70.1	20.3	75.7	--
WHITE	80.8	0.4	14.9	63.1	17.6	73.9	--
BLACK AND OTHER	85.5	1.0	24.5	82.3	25.2	79.3	--
LIVE BIRTH	59,090	48	1231	3,247	4,526	54,561	3
WHITE	39,241	19	673	1,950	2,642	36,596	3
BLACK AND OTHER	19,849	29	558	1,297	1,884	17,965	0
ABORTION	6,959	29	242	483	754	5,790	1
WHITE	2,423	11	87	188	286	2,136	1
BLACK AND OTHER	4,536	18	155	295	468	3,654	0
ESTIMATED TOTAL FETAL LOSS ³	12,514	13	270	698	981	11,533	1
WHITE	8,091	5	143	409	557	7,533	0
BLACK AND OTHER	4,423	8	127.1	288.9	424	4,000	0
FEMALE POPULATION	952,796	150,217	94,805	63,203	308,225	954,588	--
WHITE	616,035	97,408	60,514	40,342	198,264	626,116	--
BLACK AND OTHER	336,761	52,809	34,291	22,861	109,961	328,472	--

¹ Estimated pregnancy is the sum of abortion, live birth and estimated total fetal loss.

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 birth plus one-tenth of the abortion. Estimated total fetal loss should not be confused with fetal death.

TABLE 29
ESTIMATED TEENAGE PREGNANCIES ¹, PREGNANCY RATES ² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2016

COUNTY	ALL RACES					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	6,261	20.3	4,526	754	981	3,485	17.6	2,642	286	557	2,776	25.2	1,884	468	424
Autauga	64	16.4	47	7	10	46	15.7	33	6	7	18	18.7	14	1	3
Baldwin	199	15.6	160	6	33	162	15.5	132	3	27	37	16.0	28	3	6
Barbour	37	24.7	27	4	6	12	19.0	10	0	2	25	29.0	17	4	4
Bibb	31	26.7	25	1	5	29	31.1	23	1	5	2	10.0	2	0	0
Blount	66	17.7	52	3	11	63	18.0	50	3	10	2	11.5	2	0	0
Bullock	19	34.3	14	2	3	4	33.6	3	0	1	15	34.5	11	2	2
Butler	20	16.6	14	3	3	13	24.8	10	1	2	7	10.2	4	2	1
Calhoun	168	23.3	115	27	26	126	25.1	92	14	20	42	19.1	23	13	6
Chambers	55	29.1	39	7	9	31	32.2	21	5	5	24	25.8	18	2	4
Cherokee	37	24.6	29	2	6	32	23.6	25	2	5	5	34.5	4	0	1
Chilton	68	24.1	55	2	11	60	24.9	48	2	10	8	20.0	7	0	1
Choctaw	17	22.2	13	1	3	8	20.9	7	0	1	8	23.6	6	1	1
Clarke	47	29.1	38	1	8	18	22.5	14	1	3	29	35.5	24	0	5
Clay	19	24.7	14	2	3	16	25.3	13	0	3	3	22.4	1	2	0
Cleburne	17	18.8	14	0	3	17	20.0	14	0	3	0	0.0	0	0	0
Coffee	65	19.7	51	3	11	45	19.0	36	2	7	19	21.8	15	1	3
Colbert	55	17.6	46	0	9	47	19.3	39	0	8	8	12.0	7	0	1
Conecuh	7	9.8	6	0	1	1	4.1	1	0	0	6	13.6	5	0	1
Coosa	15	28.3	11	2	2	11	31.0	8	1	2	5	23.5	3	1	1
Covington	58	26.1	48	0	10	49	27.5	41	0	8	8	19.9	7	0	1
Crenshaw	18	21.0	15	0	3	14	24.7	12	0	2	4	13.2	3	0	1
Cullman	108	21.8	86	4	18	105	22.3	84	4	17	2	11.0	2	0	0
Dale	68	22.7	54	3	11	43	21.5	34	2	7	25	25.2	20	1	4
Dallas	61	21.7	44	7	10	6	11.2	5	0	1	55	24.1	39	7	9
DeKalb	113	24.0	91	3	19	106	25.0	87	1	18	7	15.6	4	2	1
Elmore	88	17.0	62	12	14	60	16.3	41	10	9	27	18.8	21	2	4
Escambia	59	24.7	48	1	10	29	21.3	24	0	5	30	29.2	24	1	5
Etowah	158	25.1	112	21	25	112	23.2	83	11	18	46	31.4	29	10	7
Fayette	13	13.8	11	0	2	11	13.0	9	0	2	2	18.8	2	0	0
Franklin	51	25.1	40	3	8	49	26.2	39	2	8	2	13.5	1	1	0
Geneva	48	29.6	38	2	8	40	29.4	33	0	7	8	30.8	5	2	1
Greene	18	34.8	12	3	3	1	25.5	1	0	0	17	35.7	11	3	3
Hale	26	26.6	15	7	4	6	18.1	4	1	1	20	31.0	11	6	3

¹ Estimated pregnancy is the sum of abortion, live birth and estimated total fetal loss.

² Estimated pregnancy rate is per 1,000 females aged 10-19 years. See pregnancy rate formulas in Appendix B.

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

Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

TABLE 29 (Continued)
ESTIMATED TEENAGE PREGNANCIES ¹, PREGNANCY RATES ² AND PREGNANCY OUTCOMES
BY COUNTY OF RESIDENCE AND RACE OF FEMALE, ALABAMA, 2016

COUNTY	ALL RACES					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	6,261	20.3	4,526	754	981	3,485	17.6	2,642	286	557	2,776	25.2	1,884	468	424
Henry	19	19.1	14	2	3	10	14.3	8	0	2	9	29.0	6	2	1
Houston	134	20.4	105	7	22	57	14.0	46	2	9	76	31.1	59	5	12
Jackson	73	23.8	58	3	12	68	24.4	54	3	11	5	17.4	4	0	1
Jefferson	832	20.3	536	172	124	259	13.4	171	49	39	573	26.5	365	123	85
Lamar	20	23.8	17	0	3	18	24.5	15	0	3	2	19.5	2	0	0
Lauderdale	77	13.2	57	8	12	54	11.2	42	3	9	24	22.6	15	5	4
Lawrence	46	23.8	34	5	7	40	28.3	30	4	6	6	11.3	4	1	1
Lee	157	13.8	100	34	23	88	11.3	57	18	13	69	19.5	43	16	10
Limestone	101	17.0	74	11	16	82	17.5	62	7	13	19	15.2	12	4	3
Lowndes	21	33.9	13	5	3	1	10.7	1	0	0	20	39.0	12	5	3
Macon	32	22.8	21	6	5	6	45.7	4	1	1	26	20.5	17	5	4
Madison	328	14.4	207	72	49	149	10.5	105	21	23	179	20.9	102	51	26
Marengo	16	13.7	10	4	2	5	10.0	4	0	1	12	16.1	6	4	2
Marion	54	31.6	44	1	9	50	31.6	42	0	8	4	31.3	2	1	1
Marshall	182	29.6	140	13	29	154	27.2	117	12	25	29	57.4	23	1	5
Mobile	551	20.7	424	38	89	225	16.0	174	15	36	325	25.8	250	23	52
Monroe	42	29.7	32	3	7	22	29.8	18	0	4	20	29.6	14	3	3
Montgomery	391	28.0	272	59	60	69	17.5	48	10	11	323	32.0	224	49	50
Morgan	170	23.0	130	13	27	128	21.8	98	9	21	43	27.8	32	4	7
Perry	17	22.9	11	3	3	1	5.7	1	0	0	15	29.8	10	3	2
Pickens	23	20.7	17	2	4	11	20.1	9	0	2	12	21.3	8	2	2
Pike	40	15.7	27	7	6	16	11.9	10	4	2	24	20.2	17	3	4
Randolph	31	21.5	23	3	5	18	17.0	14	1	3	13	34.1	9	2	2
Russell	73	20.6	54	7	12	26	17.5	22	0	4	46	22.9	32	7	7
St. Clair	109	21.0	82	10	17	97	21.6	75	6	16	13	17.6	7	4	2
Shelby	141	9.8	94	26	21	111	9.5	80	14	17	30	10.8	14	12	4
Sumter	23	24.5	16	3	4	0	0.0	0	0	0	23	32.3	16	3	4
Talladega	107	21.1	78	12	17	56	18.9	43	4	9	51	24.1	35	8	8
Tallapoosa	67	29.1	43	14	10	39	26.2	27	6	6	28	34.2	16	8	4
Tuscaloosa	304	20.5	197	61	46	105	11.6	71	18	16	199	34.5	126	43	30
Walker	110	29.2	87	5	18	96	28.9	75	5	16	14	31.2	12	0	2
Washington	21	19.5	16	2	3	12	17.7	9	1	2	10	22.2	7	1	2
Wilcox	21	26.9	15	3	3	4	23.4	3	0	1	18	27.7	12	3	3
Winston	38	27.0	32	0	6	37	27.5	31	0	6	1	18.2	1	0	0

¹ Estimated pregnancy is the sum of abortion, live birth and estimated total fetal loss.

² Estimated pregnancy rate is per 1,000 females aged 10-19 years. See pregnancy rate formulas in Appendix B.

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

Use caution with rates derived from small numbers or rates that are based on small populations. Rates which apply to populations under 1,000 are shaded.

TABLE 30
FETAL DEATHS AND FETAL DEATH RATES ¹ BY RACE ²
ALABAMA AND UNITED STATES, 1970-2016

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	-- ³	249	6.3	268	13.4
2016	569	9.6	-- ³	288	7.3	281	14.2

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

² Data for 1970-1989 are by race of fetus for fetal deaths and by race of child for live births. Data for 1990-2016 are by race of mother for fetal deaths live births.

³ U.S. rates are not available.

TABLE 31
FETAL DEATHS AND FETAL DEATH RATES ¹
BY COUNTY OF RESIDENCE AND RACE OF MOTHER
ALABAMA, 2016

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Total	569	9.6	288	7.3	281	14.2
Autauga	5	7.5	2	4.1	3	16.9
Baldwin	18	8.0	14	7.3	4	12.6
Barbour	8	28.7	2	16.8	6	37.5
Bibb	4	14.7	3	14.2	1	16.4
Blount	7	9.8	7	9.9	0	0.0
Bullock	0	0.0	0	0.0	0	0.0
Butler	1	4.3	1	10.0	0	0.0
Calhoun	14	10.3	10	10.0	4	11.3
Chambers	7	19.1	2	10.6	5	28.1
Cherokee	3	12.7	3	13.5	0	0.0
Chilton	4	7.7	1	2.2	3	50.8
Choctaw	3	21.0	2	30.3	1	13.0
Clarke	2	7.3	1	7.8	1	6.9
Clay	3	23.8	2	18.5	1	55.6
Cleburne	1	6.5	1	6.8	0	0.0
Coffee	8	12.0	4	8.0	4	23.7
Colbert	8	13.2	7	14.2	1	8.8
Conecuh	1	8.1	0	0.0	1	16.9
Coosa	2	24.4	1	16.9	1	43.5
Covington	3	6.7	1	2.5	2	37.0
Crenshaw	1	6.5	0	0.0	1	27.0
Cullman	4	4.1	4	4.2	0	0.0
Dale	8	11.8	3	6.0	5	27.5
Dallas	7	14.2	1	10.1	6	15.2
DeKalb	5	5.8	5	6.1	0	0.0
Elmore	4	4.5	1	1.5	3	13.0
Escambia	3	6.5	2	7.2	1	5.4
Etowah	12	9.9	10	10.8	2	6.9
Fayette	0	0.0	0	0.0	0	0.0
Franklin	4	9.1	4	9.4	0	0.0
Geneva	0	0.0	0	0.0	0	0.0
Greene	2	19.8	0	0.0	2	22.2
Hale	1	5.5	0	0.0	1	8.7
Henry	1	5.4	1	7.4	0	0.0
Houston	15	11.2	7	8.3	8	16.4
Jackson	5	8.5	4	7.4	1	22.2
Jefferson	103	11.9	26	5.7	77	18.9
Lamar	1	7.5	1	8.4	0	0.0
Lauderdale	10	11.0	9	11.5	1	7.9
Lawrence	2	5.2	1	2.9	1	23.8
Lee	25	13.2	19	14.9	6	9.8
Limestone	8	7.8	4	4.5	4	30.5
Lowndes	1	7.4	0	0.0	1	9.4
Macon	3	16.2	1	29.4	2	13.2
Madison	25	5.9	19	6.8	6	4.2
Marengo	4	16.6	1	9.2	3	22.7
Marion	7	23.1	7	24.6	0	0.0
Marshall	6	4.3	5	4.1	1	5.6
Mobile	49	8.9	21	7.0	28	11.2
Monroe	0	0.0	0	0.0	0	0.0
Montgomery	29	9.2	5	4.8	24	11.4
Morgan	13	8.8	11	9.3	2	7.1
Perry	2	17.1	0	0.0	2	22.5
Pickens	1	4.3	0	0.0	1	9.9
Pike	7	19.0	3	15.4	4	23.1
Randolph	4	16.9	1	5.2	3	69.8
Russell	15	18.8	5	11.9	10	26.2
St. Clair	6	5.7	4	4.2	2	20.6
Shelby	20	8.4	15	7.6	5	12.0
Sumter	1	7.5	0	0.0	1	9.7
Talladega	10	11.4	4	7.5	6	17.4
Tallapoosa	6	13.0	4	13.8	2	11.6
Tuscaloosa	27	10.4	8	5.5	19	16.7
Walker	7	8.8	6	8.5	1	11.5
Washington	1	5.6	1	7.5	0	0.0
Wilcox	1	7.1	0	0.0	1	9.2
Winston	1	4.1	1	4.2	0	0.0

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

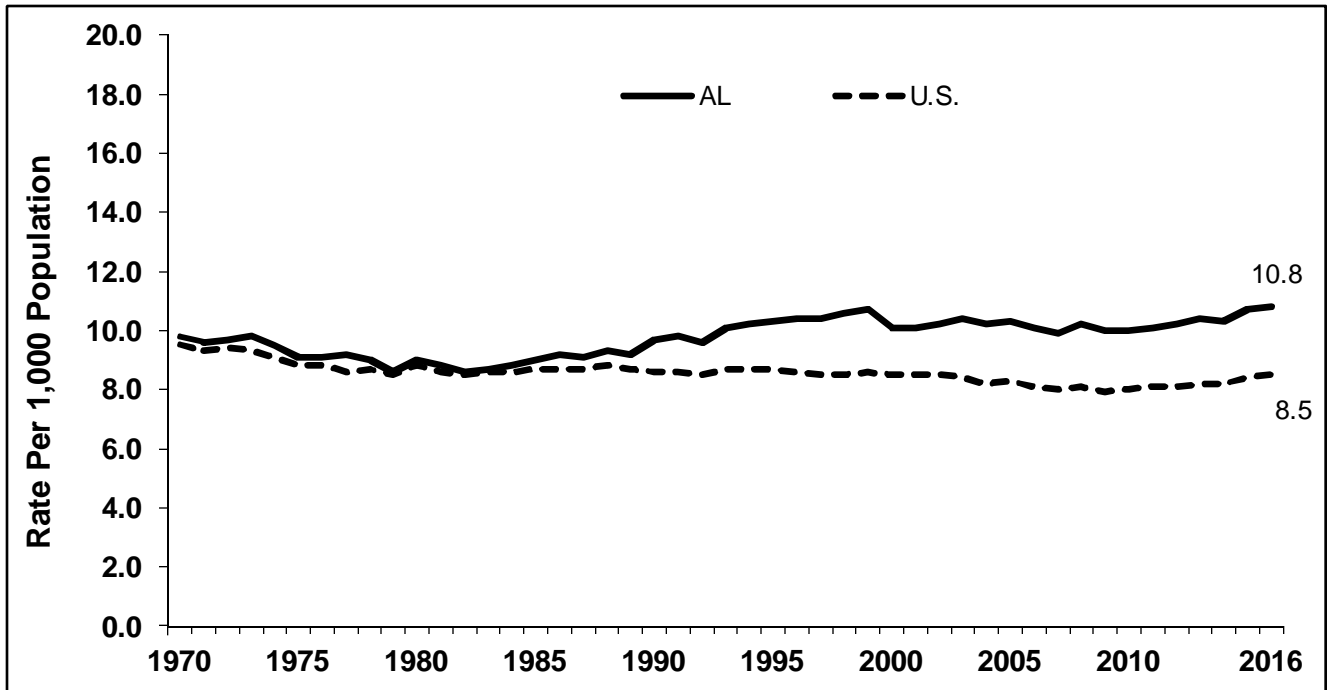
TABLE 32
RESIDENT DEATHS AND DEATH RATES ¹ BY RACE
ALABAMA AND UNITED STATES, 1970-2016

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

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

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

**FIGURE 8. DEATH RATES
ALABAMA AND UNITED STATES, 1970-2016**



**FIGURE 9. DEATH RATES BY RACE
ALABAMA, 1970-2016**

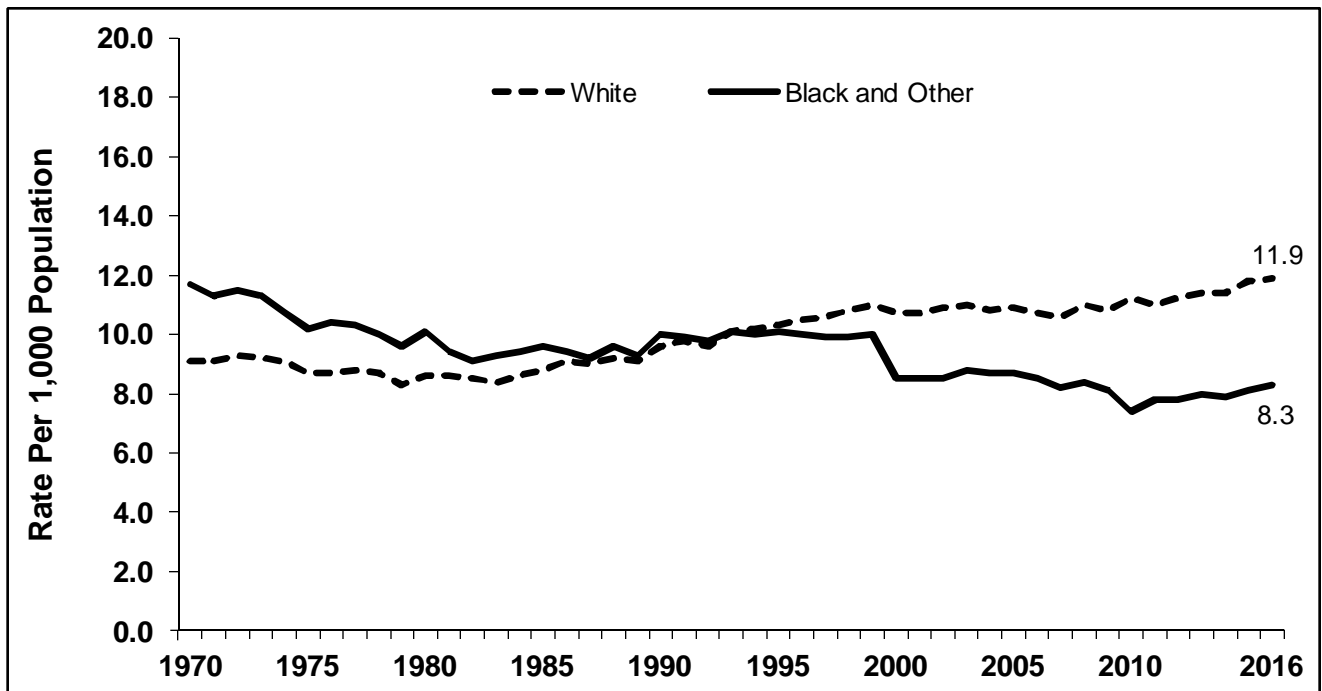


TABLE 33
DEATHS AND DEATH RATES ¹ BY COUNTY OF RESIDENCE AND RACE
ALABAMA, 2016

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	52,452	10.8	40,129	11.9	12,323	8.3
Autauga	520	9.4	441	10.3	79	6.2
Baldwin	1,974	9.5	1,816	10.0	158	5.9
Barbour	256	9.9	150	11.6	106	8.1
Bibb	239	10.6	203	11.7	36	6.8
Blount	696	12.1	686	12.4	10	4.3
Bullock	133	12.8	44	16.1	89	11.7
Butler	273	13.7	158	14.9	115	12.3
Calhoun	1,404	12.3	1,190	13.7	214	7.6
Chambers	461	13.6	328	16.8	133	9.3
Cherokee	364	14.1	343	14.3	21	11.8
Chilton	475	10.8	424	11.1	51	9.1
Choctaw	180	13.9	112	15.0	68	12.3
Clarke	315	12.9	200	15.2	115	10.2
Clay	177	13.1	154	13.7	23	10.1
Cleburne	191	12.8	184	13.0	7	9.3
Coffee	508	9.9	423	10.8	85	7.0
Colbert	706	13.0	606	13.8	100	9.6
Conecuh	153	12.3	102	16.1	51	8.4
Coosa	160	15.1	124	17.5	36	10.3
Covington	503	13.4	450	14.2	53	9.1
Crenshaw	191	13.7	156	15.5	35	9.1
Cullman	1,012	12.3	1,002	12.6	10	3.2
Dale	550	11.2	444	12.1	106	8.5
Dallas	572	14.3	235	20.8	337	11.7
DeKalb	788	11.1	771	11.7	17	3.3
Elmore	799	9.8	666	10.7	133	6.7
Escambia	521	13.8	363	15.5	158	11.0
Etowah	1,390	13.6	1,203	14.5	187	9.6
Fayette	249	15.0	224	15.7	25	10.9
Franklin	376	11.9	355	12.3	21	7.8
Geneva	379	14.2	339	14.6	40	11.8
Greene	104	12.3	22	14.4	82	11.9
Hale	189	12.6	84	13.7	105	11.9
Henry	216	12.6	147	12.1	69	13.8
Houston	1,112	10.7	851	11.7	261	8.3
Jackson	737	14.1	714	14.9	23	5.3
Jefferson	7,125	10.8	4,400	12.5	2,725	8.9
Lamar	204	14.7	182	15.0	22	12.5
Lauderdale	1,160	12.6	1,029	12.8	131	10.8
Lawrence	398	12.0	354	13.6	44	6.1
Lee	1,005	6.3	736	6.5	269	5.8
Limestone	727	7.8	637	8.4	90	5.3
Lowndes	149	14.4	44	16.9	105	13.5
Macon	259	13.7	47	15.1	212	13.4
Madison	3,282	9.2	2,617	10.6	665	6.0
Marengo	271	13.8	147	15.9	124	11.9
Marion	387	12.9	378	13.4	9	5.1
Marshall	1,187	12.5	1,161	13.1	26	4.1
Mobile	4,410	10.6	2,954	12.0	1,456	8.7
Monroe	237	11.0	147	12.3	90	9.4
Montgomery	2,151	9.5	1,088	12.9	1,063	7.5
Morgan	1,320	11.1	1,198	12.1	122	6.1
Perry	129	13.5	36	12.1	93	14.1
Pickens	250	12.3	154	13.1	96	11.2
Pike	302	9.1	204	10.7	98	6.9
Randolph	295	13.0	252	14.3	43	8.5
Russell	656	11.3	424	14.3	232	8.1
St. Clair	979	11.1	920	11.9	59	5.6
Shelby	1,491	7.1	1,352	7.7	139	4.0
Sumter	164	12.6	38	11.4	126	13.0
Talladega	1,019	12.7	762	14.7	257	9.1
Tallapoosa	588	14.4	443	15.4	145	12.2
Tuscaloosa	1,762	8.5	1,269	9.5	493	6.9
Walker	1,012	15.6	946	16.0	66	11.3
Washington	213	12.7	133	12.1	80	13.9
Wilcox	123	11.2	42	13.5	81	10.3
Winston	324	13.6	321	14.0	3	3.5

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. Rates which apply to populations under 1,000 are shaded.

Figure 10. Death Rates by County of Residence Alabama, 2016

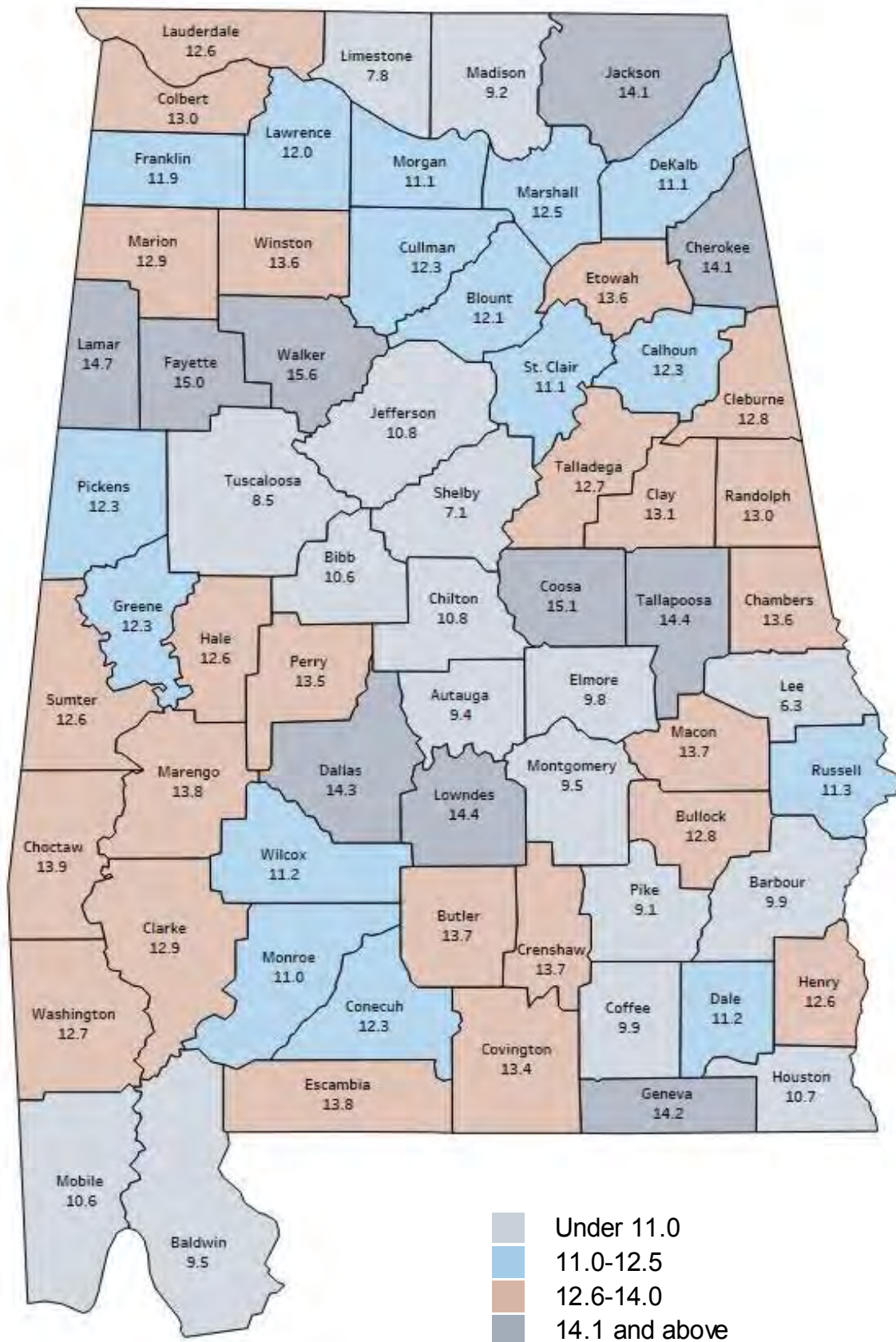


TABLE 34
DEATHS AND DEATH RATES¹ BY COUNTY OF RESIDENCE AND SEX
ALABAMA, 2016

COUNTY	TOTAL		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	52,452	10.8	25,611	10.9	26,841	10.7
Autauga	520	9.4	265	9.8	255	9.0
Baldwin	1,974	9.5	872	8.6	1,102	10.3
Barbour	256	9.9	120	8.7	136	11.2
Bibb	239	10.6	100	8.2	139	13.2
Blount	696	12.1	355	12.5	341	11.7
Bullock	133	12.8	63	11.3	70	14.7
Butler	273	13.7	138	14.8	135	12.6
Calhoun	1,404	12.3	692	12.6	712	12.0
Chambers	461	13.6	233	14.3	228	13.0
Cherokee	364	14.1	164	12.8	200	15.4
Chilton	475	10.8	234	10.8	241	10.8
Choctaw	180	13.9	85	13.8	95	13.9
Clarke	315	12.9	154	13.3	161	12.5
Clay	177	13.1	94	14.2	83	12.1
Cleburne	191	12.8	88	11.9	103	13.7
Coffee	508	9.9	239	9.4	269	10.4
Colbert	706	13.0	355	13.6	351	12.5
Conecuh	153	12.3	76	12.7	77	12.0
Coosa	160	15.1	82	15.3	78	15.0
Covington	503	13.4	260	14.4	243	12.5
Crenshaw	191	13.7	85	12.5	106	14.9
Cullman	1,012	12.3	494	12.1	518	12.4
Dale	550	11.2	262	10.8	288	11.5
Dallas	572	14.3	276	14.9	296	13.7
DeKalb	788	11.1	377	10.7	411	11.5
Elmore	799	9.8	374	9.4	425	10.1
Escambia	521	13.8	236	12.2	285	15.5
Etowah	1,390	13.6	710	14.3	680	12.9
Fayette	249	15.0	114	13.9	135	16.1
Franklin	376	11.9	181	11.5	195	12.3
Geneva	379	14.2	174	13.3	205	15.1
Greene	104	12.3	54	13.5	50	11.3
Hale	189	12.6	86	12.2	103	13.1
Henry	216	12.6	93	11.2	123	13.9
Houston	1,112	10.7	560	11.2	552	10.2
Jackson	737	14.1	357	13.9	380	14.4
Jefferson	7,125	10.8	3,613	11.6	3,512	10.1
Lamar	204	14.7	89	13.1	115	16.1
Lauderdale	1,160	12.6	575	13.0	585	12.1
Lawrence	398	12.0	174	10.7	224	13.2
Lee	1,005	6.3	480	6.1	525	6.5
Limestone	727	7.8	347	7.5	380	8.2
Lowndes	149	14.4	60	12.3	89	16.3
Macon	259	13.7	114	13.2	145	14.1
Madison	3,282	9.2	1,587	9.1	1,695	9.3
Marengo	271	13.8	125	13.4	146	14.1
Marion	387	12.9	204	13.7	183	12.1
Marshall	1,187	12.5	572	12.2	615	12.8
Mobile	4,410	10.6	2,167	10.9	2,243	10.4
Monroe	237	11.0	125	12.2	112	9.9
Montgomery	2,151	9.5	1,099	10.3	1,052	8.8
Morgan	1,320	11.1	655	11.2	665	11.0
Perry	129	13.5	53	11.8	76	15.0
Pickens	250	12.3	134	13.2	116	11.4
Pike	302	9.1	145	9.1	157	9.0
Randolph	295	13.0	147	13.4	148	12.7
Russell	656	11.3	328	11.6	328	10.9
St. Clair	979	11.1	435	9.9	544	12.3
Shelby	1,491	7.1	705	6.9	786	7.2
Sumter	164	12.6	80	13.5	84	11.8
Talladega	1,019	12.7	489	12.6	530	12.8
Tallapoosa	588	14.4	300	15.1	288	13.8
Tuscaloosa	1,762	8.5	884	8.9	878	8.2
Walker	1,012	15.6	507	16.0	505	15.2
Washington	213	12.7	110	13.4	103	12.1
Wilcox	123	11.2	59	11.3	64	11.1
Winston	324	13.6	147	12.5	177	14.7

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

TABLE 35
RESIDENT DEATHS AND DEATH RATES ¹
BY MONTH OF OCCURRENCE
ALABAMA, 2016

MONTH	TOTAL		WHITE		BLACK AND OTHER	
	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
TOTAL	52,452	10.8	40,129	11.9	12,323	8.3
January	4,651	11.3	3,554	12.4	1,097	8.7
February	4,428	11.9	3,357	13.0	1,071	9.4
March	4,592	11.1	3,506	12.2	1,086	8.6
April	4,244	10.6	3,257	11.7	987	8.1
May	4,263	10.3	3,248	11.3	1,015	8.0
June	4,106	10.3	3,154	11.4	952	7.8
July	4,189	10.1	3,229	11.3	960	7.6
August	4,197	10.2	3,215	11.2	982	7.8
September	4,121	10.3	3,181	11.5	940	7.7
October	4,344	10.5	3,304	11.5	1,040	8.2
November	4,425	11.1	3,388	12.2	1,037	8.5
December	4,892	11.8	3,736	13.0	1,156	9.1

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

TABLE 36
RESIDENT DEATHS AND DEATH RATES¹ BY SELECTED CAUSES², RACE AND SEX
ALABAMA, 2016

CAUSE OF DEATH	TOTAL		WHITE				BLACK AND OTHER			
	TOTAL	RATE	MALE	RATE	FEMALE	RATE	MALE	RATE	FEMALE	RATE
ALL CAUSES	52,452	10.8	20,477	12.4	19,652	11.5	6,364	9.1	5,959	7.5
Salmonella infections (A01-A02)	2	0.0	1	0.1	0	0.0	1	0.1	0	0.0
Shigellosis and amebiasis (A03, A06)	1	0.0	0	0.0	0	0.0	1	0.1	0	0.0
Certain other intestinal infections (A04, A07-A09)	140	2.9	33	2.0	74	4.3	12	1.7	21	2.7
Tuberculosis (A16-A19)	10	0.2	2	0.1	2	0.1	5	0.7	1	0.1
Respiratory tuberculosis (A16)	10	0.2	2	0.1	2	0.1	5	0.7	1	0.1
Other tuberculosis (A17-A19)	0	0.0	0	0.0	0	0.0	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)	1,025	21.1	354	21.4	365	21.3	140	20.0	166	21.0
Syphilis (A50-A53)	3	0.1	1	0.1	1	0.1	1	0.1	0	0.0
Acute poliomyelitis (A80)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Arthropod-borne viral encephalitis (A83-A84, A85.2)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Measles (B05)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Viral hepatitis (B15-B19)	72	1.5	38	2.3	15	0.9	13	1.9	6	0.8
Human immunodeficiency virus (B20-B24)	106	2.2	23	1.4	7	0.4	58	8.3	18	2.3
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)	97	2.0	43	2.6	37	2.2	7	1.0	10	1.3
Malignant neoplasms (C00-C97)	10,419	214.2	4,398	265.5	3,593	209.4	1,248	178.6	1,180	149.0
Lip, oral cavity and pharynx (C00-C14)	191	3.9	109	6.6	38	2.2	34	4.9	10	1.3
Esophagus (C15)	238	4.9	146	8.8	35	2.0	41	5.9	16	2.0
Stomach (C16)	181	3.7	50	3.0	51	3.0	50	7.2	30	3.8
Colon, rectum and anus (C18-C21)	891	18.3	355	21.4	289	16.8	136	19.5	111	14.0
Liver and intrahepatic bile ducts (C22)	464	9.5	235	14.2	120	7.0	71	10.2	38	4.8
Pancreas (C25)	724	14.9	308	18.6	240	14.0	75	10.7	101	12.8
Larynx (C32)	76	1.6	41	2.5	8	0.5	22	3.1	5	0.6
Trachea, bronchus and lung (C33-C34)	3,008	61.9	1,389	83.8	1,045	60.9	363	51.9	211	26.6
Skin (C43)	137	2.8	78	4.7	55	3.2	2	0.3	2	0.3
Breast (C50)	684	14.1	3	0.2	468	27.3	3	0.4	210	26.5
Cervix uteri (C53)	87	1.8	0	0.0	55	3.2	0	0.0	32	4.0
Corpus uteri and uterus, part unspecified (C54-C55)	132	2.7	0	0.0	90	5.2	0	0.0	42	5.3
Ovary (C56)	244	5.0	0	0.0	191	11.1	0	0.0	53	6.7
Prostate (C61)	512	10.5	329	19.9	0	0.0	183	26.2	0	0.0
Kidney and renal pelvis (C64-C65)	220	4.5	117	7.1	57	3.3	23	3.3	23	2.9
Bladder (C67)	240	4.9	158	9.5	45	2.6	24	3.4	13	1.6
Meninges, brain and other parts of central nervous system (C70-C72)	311	6.4	159	9.6	105	6.1	16	2.3	31	3.9
Lymphoid, hematopoietic and related tissue (C81-C96)	908	18.7	414	25.0	312	18.2	78	11.2	104	13.1
Hodgkin's disease (C81)	14	0.3	7	0.4	6	0.3	1	0.1	0	0.0
Non-Hodgkin's lymphoma (C82-C85)	303	6.2	138	8.3	109	6.4	27	3.9	29	3.7
Leukemia (C91-C95)	376	7.7	183	11.0	132	7.7	28	4.0	33	4.2
Multiple myeloma and immunoproliferative neoplasms (C88,C90)	213	4.4	84	5.1	65	3.8	22	3.1	42	5.3
Other and unspecified lymphoid, hematopoietic and related tissue (C96)	2	0.0	2	0.1	0	0.0	0	0.0	0	0.0
All other and unspecified malignant neoplasms (C17,C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66,C68-C69, C73-C80,C97)	1,171	24.1	507	30.6	389	22.7	127	18.2	148	18.7
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	243	5.0	101	6.1	91	5.3	23	3.3	28	3.5
Anemias (D50-D64)	111	2.3	35	2.1	33	1.9	18	2.6	25	3.2
Diabetes mellitus (E10-E14)	1,181	24.3	428	25.8	311	18.1	205	29.3	237	29.9

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

² See Appendix C.

TABLE 36
RESIDENT DEATHS AND DEATH RATES ¹ BY SELECTED CAUSES ², RACE AND SEX
ALABAMA, 2016

CAUSE OF DEATH	TOTAL		WHITE				BLACK AND OTHER			
	TOTAL	RATE	MALE	RATE	FEMALE	RATE	MALE	RATE	FEMALE	RATE
ALL CAUSES	52,452	10.8	20,477	12.4	19,652	11.5	6,364	9.1	5,959	7.5
Nutritional deficiencies (E40–E64)	177	3.6	40	2.41	87	5.1	25	3.6	25	3.2
Malnutrition (E40–E46)	171	3.5	38	2.3	85	5.0	24	3.4	24	3.0
Other nutritional deficiencies (E50–E64)	6	0.1	2	0.1	2	0.1	1	0.1	1	0.1
Meningitis (G00,G03)	7	0.1	3	0.2	1	0.1	1	0.1	2	0.3
Parkinson's disease (G20–G21)	505	10.4	288	17.4	172	10.0	28	4.0	17	2.1
Alzheimer's disease (G30)	2,506	51.5	607	36.6	1,516	88.4	89	12.7	294	37.1
Major cardiovascular diseases (I00–I78)	16,739	344.2	6,543	394.9	6,200	361.4	2,005	286.9	1,991	251.4
Diseases of the heart (I00–I09, I11, I13, I20–I51)	12,824	263.7	5,293	319.5	4,619	269.2	1,513	216.5	1,399	176.6
Acute rheumatic fever and chronic rheumatic heart diseases (I00–I09)	32	0.7	9	0.5	17	1.0	2	0.3	4	0.5
Hypertensive heart disease (I11)	473	9.7	153	9.2	153	8.9	106	15.2	61	7.7
Hypertensive heart and renal disease (I13)	83	1.7	32	1.9	18	1.0	20	2.9	13	1.6
Ischemic heart diseases (I20–I25)	5,032	103.5	2,315	139.7	1,661	96.8	583	83.4	473	59.7
Acute myocardial infarction (I21–I22)	1,817	37.4	842	50.8	554	32.3	221	31.6	200	25.3
Other acute ischemic heart diseases (I24)	36	0.7	15	0.9	9	0.5	8	1.1	4	0.5
Other forms of chronic ischemic heart disease (I20, I25)	3,179	65.4	1,458	88.0	1,098	64.0	354	50.7	269	34.0
Atherosclerotic cardiovascular disease, so described (I25.0)	727	14.9	340	20.5	235	13.7	90	12.9	62	7.8
All other forms of chronic ischemic heart disease (I20,I25.1–I25.9)	2,452	50.4	1,118	67.5	863	50.3	264	37.8	207	26.1
Other heart diseases (I26–I51)	7,204	148.1	2,784	168.0	2,770	161.4	802	114.8	848	107.1
Acute and subacute endocarditis (I33)	32	0.7	16	1.0	4	0.2	6	0.9	6	0.8
Diseases of pericardium and acute myocarditis (I30–I31, I40)	12	0.2	5	0.3	2	0.1	1	0.1	4	0.5
Heart failure (I50)	2,541	52.2	940	56.7	1,090	63.5	242	34.6	269	34.0
All other forms of heart disease (I26–I28, I34–I38, I42–I49, I51)	4,619	95.0	1,823	110.0	1,674	97.6	553	79.1	569	71.8
Essential (primary) hypertension and hypertensive renal disease (I10, I12, I15)	560	11.5	169	10.2	180	10.5	106	15.2	105	13.3
Cerebrovascular diseases (I60–I69)	2,962	60.9	922	55.6	1,263	73.6	344	49.2	433	54.7
Atherosclerosis (I70)	113	2.3	43	2.6	42	2.4	10	1.4	18	2.3
Other diseases of circulatory system (I71–I78)	280	5.8	116	7.0	96	5.6	32	4.6	36	4.5
Aortic aneurysm and dissection (I71)	142	2.9	63	3.8	51	3.0	17	2.4	11	1.4
Other diseases of arteries, arterioles and capillaries (I72–I78)	138	2.8	53	3.2	45	2.6	15	2.1	25	3.2
Other disorders of circulatory system (I80–I99)	141	2.9	49	3.0	51	3.0	23	3.3	18	2.3
Influenza and pneumonia (J09–J18)	987	20.3	355	21.4	416	24.2	105	15.0	111	14.0
Influenza (J09–J11)	18	0.4	4	0.2	8	0.5	5	0.7	1	0.1
Pneumonia (J12–J18)	969	19.9	351	21.2	408	23.8	100	14.3	110	13.9
Other acute lower respiratory infections (J20–J22, U04)	3	0.1	1	0.1	1	0.1	1	0.1	0	0.0
Acute bronchitis and bronchiolitis (J20–J21)	2	0.0	1	0.1	0	0.0	1	0.1	0	0.0
Unspecified acute lower respiratory infection (J22, U04)	1	0.0	0	0.0	1	0.1	0	0.0	0	0.0
Chronic lower respiratory diseases (J40–J47)	3,325	68.4	1,430	86.3	1,532	89.3	199	28.5	164	20.7
Bronchitis, chronic and unspecified (J40–J42)	13	0.3	8	0.5	4	0.2	1	0.1	0	0.0
Emphysema (J43)	73	1.5	37	2.2	25	1.5	6	0.9	5	0.6
Asthma (J45–J46)	49	1.0	10	0.6	16	0.9	10	1.4	13	1.6
Other chronic lower respiratory diseases (J44, J47)	3,190	65.6	1,375	83.0	1,487	86.7	182	26.0	146	18.4
Pneumoconiosis and chemical effects (J60–J66, J68)	19	0.4	17	1.0	0	0.0	2	0.3	0	0.0
Pneumonitis due to solids and liquids (J69)	325	6.7	140	8.5	110	6.4	39	5.6	36	4.5
Other diseases of the respiratory system (J00–J06, J30–J39, J67, J70–J98)	920	18.9	357	21.5	372	21.7	85	12.2	106	13.4
Peptic ulcer (K25–K28)	53	1.1	21	1.3	22	1.3	5	0.7	5	0.6
Diseases of the appendix (K35–K38)	7	0.1	4	0.2	0	0.0	3	0.4	0	0.0
Hernia (K40–K46)	33	0.7	9	0.5	14	0.8	4	0.6	6	0.8
Chronic liver disease and cirrhosis (K70, K73–K74)	781	16.1	397	24.0	262	15.3	83	11.9	39	4.9
Alcoholic liver disease (K70)	257	5.3	158	9.5	51	3.0	30	4.3	18	2.3
Other chronic liver disease and cirrhosis (K73–K74)	524	10.8	239	14.4	211	12.3	53	7.6	21	2.7
Cholelithiasis and other gallbladder disorders (K80–K82)	63	1.3	25	1.5	22	1.3	8	1.1	8	1.0

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

² See Appendix C.

TABLE 36 (Continued)
RESIDENT DEATHS AND DEATH RATES¹ BY SELECTED CAUSES², RACE AND SEX
ALABAMA, 2016

CAUSE OF DEATH	TOTAL		WHITE				BLACK AND OTHER			
	TOTAL	RATE	MALE	RATE	FEMALE	RATE	MALE	RATE	FEMALE	RATE
ALL CAUSES	52,452	10.8	20,477	12.4	19,652	11.5	6,364	9.1	5,959	7.5
Nephritis, nephrotic syndrome and nephrosis (N00–N07, N17–N19, N25–N27)	1,012	20.8	346	20.9	320	18.7	146	20.9	200	25.3
Acute and rapidly progressive nephritic and nephrotic syndrome (N00–N01, N04)	8	0.2	2	0.1	4	0.2	1	0.1	1	0.1
Chronic glomerulonephritis nephritis and nephritis not specified as acute and renal sclerosis (N02–N03, N05–N07, N26)	2	0.0	1	0.1	0	0.0	1	0.1	0	0.0
Renal failure (N17–N19)	1,002	20.6	343	20.7	316	18.4	144	20.6	199	25.1
Other disorders of kidney (N25, N27)	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Infections of kidney (N10–N12, N13.6, N15.1)	20	0.4	5	0.3	10	0.6	2	0.3	3	0.4
Hyperplasia of prostate (N40)	4	0.1	3	0.2	0	0.0	1	0.1	0	0.0
Inflammatory diseases of female pelvic organs (N70–N76)	2	0.0	0	0.0	1	0.1	0	0.0	1	0.1
Pregnancy, childbirth and the puerperium (O00–O99)	35	0.7	0	0.0	21	1.2	0	0.0	14	1.8
Pregnancy with abortive outcome (O00–O07)	1	0.0	0	0.0	0	0.0	0	0.0	1	0.1
Other complications of pregnancy, childbirth and the puerperium (O10–O99)	34	0.7	0	0.0	21	1.2	0	0.0	13	1.6
Certain conditions originating in the perinatal period (P00–P96)	242	5.0	46	2.8	51	3.0	90	12.9	55	6.9
Congenital malformations, deformations and chromosomal abnormalities (Q00–Q99)	170	3.5	50	3.0	52	3.0	32	4.6	36	4.5
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00–R99)	1,199	24.7	384	23.2	409	23.8	210	30.1	196	24.7
All other diseases (Residual)	5,564	114.4	1,798	108.5	2,473	144.1	595	85.1	698	88.1
Accidents (V01–X59, Y85–Y86)	2,747	56.5	1,366	82.4	753	43.9	457	65.4	171	21.6
Transport accidents (V01–V99, Y85)	1,190	24.5	600	36.2	252	14.7	258	36.9	80	10.1
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)	1,157	23.8	576	34.8	249	14.5	254	36.3	78	9.8
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)	11	0.2	7	0.4	0	0.0	4	0.6	0	0.0
Water, air, space and other and unspecified transport accidents and their sequelae (V90–V99, Y85)	22	0.5	17	1.0	3	0.2	0	0.0	2	0.3
Nontransport accidents (W00–X59, Y86)	1,557	32.0	766	46.2	501	29.2	199	28.5	91	11.5
Falls (W00–W19)	244	5.0	137	8.3	81	4.7	17	2.4	9	1.1
Accidental discharge of firearms (W32–W34)	21	0.4	9	0.5	3	0.2	9	1.3	0	0.0
Accidental drowning and submersion (W65–W74)	75	1.5	36	2.2	21	1.2	14	2.0	4	0.5
Accidental exposure to smoke, fire and flames (X00–X09)	94	1.9	33	2.0	22	1.3	25	3.6	14	1.8
Accidental poisoning and exposure to noxious substances (X40–X49)	720	14.8	363	21.9	242	14.1	83	11.9	32	4.0
Other and unspecified nontransport accidents and their sequelae (W20–W31, W35–W64, W75–W99, X10–X39, X50–X59, Y86)	403	8.3	188	11.3	132	7.7	51	7.3	32	4.0
Intentional self-harm (suicide) (*U03, X60–X84, Y87.0)	786	16.2	555	33.5	157	9.2	69	9.9	5	0.6
Suicide by discharge of firearms (X72–X74)	550	11.3	396	23.9	105	6.1	48	6.9	1	0.1
Suicide by other and unspecified means and their sequelae (*U03, X60–X71, X75–X84, Y87.0)	236	4.9	159	9.6	52	3.0	21	3.0	4	0.5
Assault (homicide) (*U01–*U02, X85–Y09, Y87.1)	543	11.2	138	8.3	46	2.7	307	43.9	52	6.6
Homicide by discharge of firearms (*U01.4, X93–X95)	454	9.3	110	6.6	27	1.6	279	39.9	38	4.8
Homicide by other and unspecified means and their sequelae (*U01.0–*U01.3, *U01.5–*U01.9, *U02, X85–X92, X96–Y09, Y87.1)	89	1.8	28	1.7	19	1.1	28	4.0	14	1.8
Legal intervention (Y35, Y89.0)	13	0.3	6	0.4	2	0.1	5	0.7	0	0.0
Events of undetermined intent (Y10–Y34, Y87.2, Y89.9)	54	1.1	21	1.3	21	1.2	5	0.7	7	0.9
Discharge of firearms, undetermined intent (Y22–Y24)	9	0.2	3	0.2	3	0.2	1	0.1	2	0.3
Other and unspecified events of undetermined intent and their sequelae (Y10–Y21, Y25–Y34, Y87.2, Y89.9)	45	0.9	18	1.1	18	1.0	4	0.6	5	0.6
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)	57	1.2	16	1.0	27	1.6	7	1.0	7	0.9

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

² See Appendix C.

TABLE 37
LEADING CAUSES OF DEATH, DEATH PERCENTAGES AND DEATH RATES¹
BY RACE AND SEX
ALABAMA, 2016

CAUSE OF DEATH		NUMBER	PERCENT	RATE
RANK	TOTAL	52,452	100.0	10.8
1	Diseases of heart	12,824	24.4	263.7
2	Malignant neoplasms	10,419	19.9	214.2
3	Chronic lower respiratory diseases	3,325	6.3	68.4
4	Cerebrovascular diseases	2,962	5.6	60.9
5	Accidents (unintentional injuries)	2,747	5.2	56.5
6	Alzheimer's disease	2,506	4.8	51.5
7	Diabetes mellitus	1,181	2.3	24.3
8	Septicemia	1,025	2.0	21.1
9	Nephritis, nephrotic syndrome and nephrosis	1,012	1.9	20.8
10	Influenza and pneumonia	987	1.9	20.3
11	Intentional self-harm (suicide)	786	1.5	16.2
12	Chronic liver disease and cirrhosis	781	1.5	16.1
13	Essential (primary) hypertension and hypertensive renal disease	560	1.1	11.5
14	Assault (homicide)	543	1.0	11.2
15	Parkinson's disease	505	1.0	10.4
	All other causes	10,289	19.6	--
RANK	WHITE	40,129	100.0	11.9
1	Diseases of heart	9,912	24.7	293.9
2	Malignant neoplasms	7,991	19.9	236.9
3	Chronic lower respiratory diseases	2,962	7.4	87.8
4	Cerebrovascular diseases	2,185	5.4	64.8
5	Alzheimer's disease	2,123	5.3	62.9
6	Accidents (unintentional injuries)	2,119	5.3	62.8
7	Influenza and pneumonia	771	1.9	22.9
8	Diabetes mellitus	739	1.8	21.9
9	Septicemia	719	1.8	21.3
10	Intentional self-harm (suicide)	712	1.8	21.1
11	Nephritis, nephrotic syndrome and nephrosis	666	1.7	19.7
12	Chronic liver disease and cirrhosis	659	1.6	19.5
13	Parkinson's disease	460	1.1	13.6
14	Essential (primary) hypertension and hypertensive renal disease	349	0.9	10.3
15	Pneumonitis due to solids and liquids	250	0.6	7.4
	All other causes	7,512	18.7	--
RANK	WHITE MALE	20,477	100.0	12.4
1	Diseases of heart	5,293	25.8	319.5
2	Malignant neoplasms	4,398	21.5	265.5
3	Chronic lower respiratory diseases	1,430	7.0	86.3
4	Accidents (unintentional injuries)	1,366	6.7	82.4
5	Cerebrovascular diseases	922	4.5	55.6
6	Alzheimer's disease	607	3.0	36.6
7	Intentional self-harm (suicide)	555	2.7	33.5
8	Diabetes mellitus	428	2.1	25.8
9	Chronic liver disease and cirrhosis	397	1.9	24.0
10	Influenza and pneumonia	355	1.7	21.4
11	Septicemia	354	1.7	21.4
12	Nephritis, nephrotic syndrome and nephrosis	346	1.7	20.9
13	Parkinson's disease	288	1.4	17.4
14	Essential (primary) hypertension and hypertensive renal disease	169	0.8	10.2
15	Pneumonitis due to solids and liquids	140	0.7	8.5
	All other causes	3,429	16.7	--
RANK	WHITE FEMALE	19,652	100.0	11.5
1	Diseases of heart	4,619	23.5	269.2
2	Malignant neoplasms	3,593	18.3	209.4
3	Chronic lower respiratory diseases	1,532	7.8	89.3
4	Alzheimer's disease	1,516	7.7	88.4
5	Cerebrovascular diseases	1,263	6.4	73.6
6	Accidents (unintentional injuries)	753	3.8	43.9
7	Influenza and pneumonia	416	2.1	24.2
8	Septicemia	365	1.9	21.3
9	Nephritis, nephrotic syndrome and nephrosis	320	1.6	18.7
10	Diabetes mellitus	311	1.6	18.1
11	Chronic liver disease and cirrhosis	262	1.3	15.3
12	Essential (primary) hypertension and hypertensive renal disease	180	0.9	10.5
13	Parkinson's disease	172	0.9	10.0
14	Intentional self-harm (suicide)	157	0.8	9.2
15	Pneumonitis due to solids and liquids	110	0.6	6.4
	All other causes	4,083	20.8	--

TABLE 37 (Continued)
LEADING CAUSES OF DEATH, DEATH PERCENTAGES AND DEATH RATES¹
BY RACE AND SEX
ALABAMA, 2016

CAUSE OF DEATH		NUMBER	PERCENT	RATE
RANK	BLACK AND OTHER	12,323	100.0	8.3
1	Diseases of heart	2,912	23.6	195.3
2	Malignant neoplasms	2,428	19.7	162.9
3	Cerebrovascular diseases	777	6.3	52.1
4	Accidents (unintentional injuries)	628	5.1	42.1
5	Diabetes mellitus	442	3.6	29.6
6	Alzheimer's disease	383	3.1	25.7
7	Chronic lower respiratory diseases	363	2.9	24.3
8	Assault (homicide)	359	2.9	24.1
9	Nephritis, nephrotic syndrome and nephrosis	346	2.8	23.2
10	Septicemia	306	2.5	20.5
11	Influenza and pneumonia	216	1.8	14.5
12	Essential (primary) hypertension and hypertensive renal disease	211	1.7	14.2
13	Certain conditions originating in the perinatal period	145	1.2	9.7
14	Chronic liver disease and cirrhosis	122	1.0	8.2
15	Human immunodeficiency virus (HIV) disease	76	0.6	5.1
	All other causes	2,609	21.2	--
RANK	BLACK AND OTHER MALE	6,364	100.0	9.1
1	Diseases of heart	1,513	23.8	216.5
2	Malignant neoplasms	1,248	19.6	178.6
3	Accidents (unintentional injuries)	457	7.2	65.4
4	Cerebrovascular diseases	344	5.4	49.2
5	Assault (homicide)	307	4.8	43.9
6	Diabetes mellitus	205	3.2	29.3
7	Chronic lower respiratory diseases	199	3.1	28.5
8	Nephritis, nephrotic syndrome and nephrosis	146	2.3	20.9
9	Septicemia	140	2.2	20.0
10	Essential (primary) hypertension and hypertensive renal disease	106	1.7	15.2
10	Influenza and pneumonia	105	1.6	15.0
12	Certain conditions originating in the perinatal period	90	1.4	12.9
13	Alzheimer's disease	89	1.4	12.7
14	Chronic liver disease and cirrhosis	83	1.3	11.9
15	Intentional self-harm (suicide)	69	1.1	9.9
	All other causes	1,263	19.8	--
RANK	BLACK AND OTHER FEMALE	5,959	100.0	1.2
1	Diseases of heart	1,399	23.5	176.6
2	Malignant neoplasms	1,180	19.8	149.0
3	Cerebrovascular diseases	433	7.3	54.7
4	Alzheimer's disease	294	4.9	37.1
5	Diabetes mellitus	237	4.0	29.9
6	Nephritis, nephrotic syndrome and nephrosis	200	3.4	25.3
7	Accidents (unintentional injuries)	171	2.9	21.6
8	Septicemia	166	2.8	21.0
9	Chronic lower respiratory diseases	164	2.8	20.7
10	Influenza and pneumonia	111	1.9	14.0
11	Essential (primary) hypertension and hypertensive renal disease	105	1.8	13.3
12	Certain conditions originating in the perinatal period	55	0.9	6.9
13	Assault (homicide)	52	0.9	6.6
14	Chronic liver disease and cirrhosis	39	0.7	4.9
15	Congenital malformations, deformations and abnormalities	36	0.6	4.5
	All other causes	1,317	22.1	--

¹ Total rates are per 1,000 population. Cause-specific rates are per 100,000 population. See formulas in Appendix B.

TABLE 38
LEADING CAUSES ¹ OF DEATH AND DEATH RATES ² BY RACE AND AGE GROUP
ALABAMA, 2016

AGE GROUP AND CAUSE OF DEATH	ALL RACES		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
UNDER 1 YEAR	537	9.2	255	6.9	282	13.0
Congenital malformations, deformations and chromosomal abnormalities	92	157.2	56	151.8	36	166.6
Disorders related to short gestation and low birth weight, not elsewhere classified	89	152.1	31	84.0	58	268.3
Sudden infant death syndrome (SIDS)	51	87.2	27	73.2	24	111.0
Accidents (unintentional injuries)	26	44.4	12	32.5	14	64.8
Newborn affected by maternal complications of pregnancy	22	37.6	5	13.6	17	78.7
1-4 YEARS	74	0.3	40	0.3	34	0.4
Accidents (unintentional injuries)	22	9.4	15	10.2	7	8.1
Congenital malformations, deformations and chromosomal abnormalities	9	3.8	4	2.7	5	5.8
Malignant neoplasms	5	2.1	4	2.7	1	1.2
Assault (homicide)	4	1.7	2	1.4	2	2.3
5-14 YEARS	96	0.2	59	0.1	37	0.2
Accidents (unintentional injuries)	42	6.9	27	6.8	15	7.0
Malignant neoplasms	10	1.6	8	2.0	2	0.9
Congenital malformations, deformations and chromosomal abnormalities	6	1.0	1	0.3	5	2.3
Intentional self-harm (suicide)	6	1.0	6	1.5	0	0.0
Assault (homicide)	5	0.8	3	0.8	2	0.9
Diseases of heart	5	0.8	2	0.5	3	1.4
15-19 YEARS	269	0.8	152	0.7	117	1.0
Accidents (unintentional injuries)	120	37.4	83	40.3	37	32.3
Assault (homicide)	51	15.9	9	4.4	42	36.7
Intentional self-harm (suicide)	33	10.3	26	12.6	7	6.1
Malignant neoplasms	10	3.1	8	3.9	2	1.7
Diseases of heart	7	2.2	3	1.5	4	3.5
20-24 YEARS	472	1.4	277	1.3	195	1.6
Accidents (unintentional injuries)	190	57.0	146	69.7	44	35.5
Assault (homicide)	97	29.1	15	7.2	82	66.2
Intentional self-harm (suicide)	59	17.7	47	22.4	12	9.7
Malignant neoplasms	21	6.3	15	7.2	6	4.8
Diseases of heart	20	6.0	12	5.7	8	6.5
25-34 YEARS	1,172	1.8	742	1.8	430	2.0
Accidents (unintentional injuries)	466	73.1	355	84.0	111	51.7
Assault (homicide)	155	24.3	42	9.9	113	52.6
Intentional self-harm (suicide)	130	20.4	112	26.5	18	8.4
Diseases of heart	89	14.0	50	11.8	39	18.2
Malignant neoplasms	72	11.3	45	10.6	27	12.6

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

² Age-specific rate is per 1,000 population in specified group. Cause-specific rates are per 100,000 population. Use caution with rates based on small populations.

TABLE 38 (Continued)
LEADING CAUSES¹ OF DEATH AND DEATH RATES² BY RACE AND AGE GROUP
ALABAMA, 2016

AGE GROUP AND CAUSE OF DEATH	ALL RACES		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
35-44 YEARS	1,829	3.1	1,225	3.0	604	3.2
Accidents (unintentional injuries)	433	72.7	325	80.1	108	56.9
Diseases of heart	333	55.9	223	54.9	110	58.0
Malignant neoplasms	210	35.3	142	35.0	68	35.8
Intentional self-harm (suicide)	116	19.5	102	25.1	14	7.4
Assault (homicide)	110	18.5	45	11.1	65	34.2
45-54 YEARS	3,869	6.0	2,763	6.0	1,106	6.0
Diseases of heart	905	140.5	644	139.8	261	142.4
Malignant neoplasms	826	128.3	596	129.3	230	125.5
Accidents (unintentional injuries)	398	61.8	300	65.1	98	53.5
Chronic liver disease and cirrhosis	168	26.1	141	30.6	27	14.7
Intentional self-harm (suicide)	158	24.5	149	32.3	9	4.9
55-64 YEARS	7,780	12.1	5,437	11.6	2,343	13.2
Malignant neoplasms	2,182	338.2	1,553	332.1	629	354.4
Diseases of heart	1,882	291.7	1,254	268.2	628	353.9
Chronic lower respiratory diseases	443	68.7	380	81.3	63	35.5
Accidents (unintentional injuries)	355	55.0	264	56.5	91	51.3
Cerebrovascular diseases	338	52.4	195	41.7	143	80.6
65-74 YEARS	11,006	23.7	8,331	23.0	2,675	26.0
Malignant neoplasms	3,076	662.0	2,348	648.8	728	708.2
Diseases of heart	2,555	549.9	1,927	532.5	628	610.9
Chronic lower respiratory diseases	928	199.7	805	222.5	123	119.7
Cerebrovascular diseases	572	123.1	389	107.5	183	178.0
Diabetes mellitus	338	72.7	213	58.9	125	121.6
75-84 YEARS	12,534	53.8	10,238	54.1	2,296	52.1
Diseases of heart	3,116	1,336.6	2,519	1,332.3	597	1,355.2
Malignant neoplasms	2,653	1,138.0	2,180	1,153.0	473	1,073.7
Chronic lower respiratory diseases	1,126	483.0	1,031	545.3	95	215.6
Cerebrovascular diseases	806	345.7	635	335.8	171	388.2
Alzheimer's disease	756	324.3	643	340.1	113	256.5
85+ YEARS	12,814	147.7	10,610	152.1	2,204	129.7
Diseases of heart	3,901	4,496.7	3,272	4,690.4	629	3,701.3
Alzheimer's disease	1,510	1,740.6	1,282	1,837.8	228	1,341.6
Malignant neoplasms	1,351	1,557.3	1,090	1,562.5	261	1,535.8
Cerebrovascular diseases	1,033	1,190.7	842	1,207.0	191	1,123.9
Chronic lower respiratory diseases	679	782.7	625	895.9	54	317.8

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

² Age-specific rate is per 1,000 population in specified group. Cause-specific rates are per 100,000 population. Use caution with rates based on small populations.

TABLE 39
SELECTED CAUSES OF DEATH BY AGE GROUP
ALABAMA, 2016

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	52,452	537	74	96	741	1,172	1,829	3,869	7,780	11,006	12,534	12,814
Diseases of heart	12,824	9	2	5	27	89	333	905	1,882	2,555	3,116	3,901
Malignant neoplasms	10,419	3	5	10	31	72	210	826	2,182	3,076	2,653	1,351
Chronic lower respiratory diseases	3,325	1	0	0	7	9	18	114	443	928	1,126	679
Cerebrovascular diseases	2,962	4	2	2	1	10	51	143	338	572	806	1,033
Accidents (unintentional injuries)	2,747	26	22	42	310	466	433	398	355	268	226	201
Alzheimer's disease	2,506	0	0	0	0	1	1	3	21	214	756	1,510
Diabetes mellitus	1,181	0	0	0	6	18	46	125	244	338	252	152
Septicemia	1,025	7	1	1	9	13	41	85	194	255	241	178
Nephritis, nephrotic syndrome and nephrosis	1,012	0	0	1	2	8	29	49	146	249	285	243
Influenza and pneumonia	987	4	1	0	2	9	16	61	137	191	277	289
Intentional self-harm (suicide)	786	0	0	6	92	130	116	158	129	85	53	17
Chronic liver disease and cirrhosis	781	0	0	0	1	11	42	168	258	189	84	28
Essential hypertension and hypertensive renal disease	560	0	0	0	0	3	34	58	104	113	110	138
Assault (homicide)	543	0	4	5	148	155	110	54	31	22	10	4
Parkinson's disease	505	0	0	0	0	0	0	4	13	107	234	147
Pneumonitis due to solids and liquids	325	1	0	1	1	3	2	12	38	71	96	100
In situ, benign, or uncertain neoplasms	243	0	1	0	3	1	2	7	26	58	79	66
Certain conditions originating in the perinatal period	242	241	1	0	0	0	0	0	0	0	0	0
Congenital anomalies	170	92	9	6	10	7	6	12	17	4	5	2
Aortic aneurysm and dissection	142	0	0	0	0	1	4	11	24	36	35	31
Atherosclerosis	113	0	0	0	0	0	1	5	8	27	29	43
Human immunodeficiency virus (HIV) infection	106	0	0	0	2	12	17	32	27	10	6	0
All other causes	8,948	149	26	17	89	154	317	639	1,163	1,638	2,055	2,701

TABLE 40
ALABAMA HEART DISEASE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES HEART DISEASE DEATH RATES
1970-2016

YEAR	U.S. RATE	ALABAMA					
		ALL RACES		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	263.7	9,912	293.9	2,912	195.3

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

TABLE 41
HEART DISEASE DEATHS AND DEATH RATES ¹
BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	12,824	263.7	5,293	319.5	4,619	269.2	1,513	216.5	1,399	176.6
UNDER 1	9	15.4	2	10.6	2	11.1	3	27.5	2	18.7
1-4	2	0.9	1	1.3	0	0.0	0	0.0	1	2.3
5-9	3	1.0	1	1.0	1	1.0	0	0.0	1	1.9
10-14	2	0.7	0	0.0	1	1.0	1	1.9	0	0.0
15-19	7	2.2	1	0.9	2	2.0	3	5.2	1	1.7
20-24	20	6.0	10	9.3	2	2.0	2	3.3	6	9.5
25-29	32	9.6	6	5.5	9	8.3	14	25.5	3	5.1
30-34	57	18.7	21	20.4	14	13.7	11	23.5	11	20.4
35-39	133	44.2	55	54.3	30	29.8	34	75.1	14	26.1
40-44	200	67.9	79	77.4	59	58.0	43	104.4	19	38.2
45-49	352	112.8	167	149.6	80	72.1	65	160.1	40	81.9
50-54	553	166.6	248	209.6	149	124.3	89	208.6	67	131.0
55-59	823	243.0	375	313.4	183	147.4	164	382.9	101	193.9
60-64	1,059	345.7	471	436.5	225	194.1	229	623.7	134	292.4
65-69	1,237	455.9	598	607.3	289	265.1	219	778.4	131	367.1
70-74	1,318	681.6	615	864.5	425	510.5	151	904.4	127	570.0
75-79	1,461	1,051.4	691	1,392.7	480	762.8	147	1,393.5	143	901.3
80-84	1,655	1,757.4	697	2,184.5	651	1,458.8	131	2,108.5	176	1,540.3
85+	3,901	4,496.7	1,255	5,330.4	2,017	4,364.4	207	4,381.0	422	3,439.6

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

TABLE 42
ALABAMA MALIGNANT NEOPLASM DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES MALIGNANT NEOPLASM DEATH RATES
1970-2016

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

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

TABLE 43
MALIGNANT NEOPLASM DEATHS AND DEATH RATES ¹
BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	10,419	214.2	4,398	265.5	3,593	209.4	1,248	178.6	1,180	149.0
UNDER 1	3	5.1	0	0.0	2	11.1	1	9.2	0	0.0
1-4	5	2.1	2	2.6	2	2.8	1	2.3	0	0.0
5-9	6	2.0	4	4.0	2	2.1	0	0.0	0	0.0
10-14	4	1.3	1	1.0	1	1.0	0	0.0	2	3.8
15-19	10	3.1	3	2.8	5	5.0	2	3.5	0	0.0
20-24	21	6.3	11	10.3	4	3.9	4	6.6	2	3.2
25-29	27	8.1	7	6.4	12	11.1	2	3.6	6	10.1
30-34	45	14.7	12	11.7	14	13.7	6	12.8	13	24.1
35-39	87	28.9	24	23.7	28	27.8	13	28.7	22	41.0
40-44	123	41.7	39	38.2	51	50.1	10	24.3	23	46.3
45-49	245	78.5	79	70.7	103	92.8	26	64.1	37	75.7
50-54	581	175.0	219	185.1	195	162.7	81	189.9	86	168.2
55-59	912	269.2	381	318.4	263	211.8	137	319.9	131	251.5
60-64	1,270	414.5	527	488.5	382	329.5	218	593.7	143	312.0
65-69	1,521	560.6	666	676.4	446	409.1	227	806.8	182	510.0
70-74	1,555	804.2	689	968.6	547	657.1	183	1,096.0	136	610.4
75-79	1,433	1,031.3	649	1,308.0	508	807.3	150	1,421.9	126	794.2
80-84	1,220	1,295.5	539	1,689.3	484	1,084.5	90	1,448.6	107	936.5
85+	1,351	1,557.3	546	2,319.1	544	1,177.1	97	2,052.9	164	1,336.7

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

TABLE 44
MALIGNANT NEOPLASM DEATHS AND DEATH RATES ¹
BY PRIMARY SITE AND SEX
ALABAMA, 2016

PRIMARY SITE		TOTAL		MALE		FEMALE	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	C00-C97	10,419	214.2	5,646	239.7	4,773	190.3
Lip, oral cavity and pharynx	C00-C14	191	3.9	143	6.1	48	1.9
Esophagus	C15	238	4.9	187	7.9	51	2.0
Stomach	C16	181	3.7	100	4.2	81	3.2
Colon, rectum and anus	C18-C21	891	18.3	491	20.8	400	16.0
Liver and intrahepatic bile ducts	C22	464	9.5	306	13.0	158	6.3
Pancreas	C25	724	14.9	383	16.3	341	13.6
Larynx	C32	76	1.6	63	2.7	13	0.5
Trachea, bronchus and lung	C33-C34	3,008	61.9	1,752	74.4	1,256	50.1
Skin	C43	137	2.8	80	3.4	57	2.3
Breast	C50	684	14.1	6	0.3	678	27.0
Cervix uteri	C53	87	1.8	0	0.0	87	3.5
Corpus uteri and uterus, part unspecified	C54-C55	132	2.7	0	0.0	132	5.3
Ovary	C56	244	5.0	0	0.0	244	9.7
Prostate	C61	512	10.5	512	21.7	0	0.0
Kidney and renal pelvis	C64-C65	220	4.5	140	5.9	80	3.2
Bladder	C67	240	4.9	182	7.7	58	2.3
Meninges, brain and other parts of central nervous system	C70-C72	311	6.4	175	2.7	136	2.0
Lymphoid, hematopoietic and related tissue		908	18.7	492	20.9	416	16.6
Hodgkin's disease	C81	14	0.3	8	0.3	6	0.2
Non-Hodgkin's lymphoma	C82-C85	303	6.2	165	7.0	138	5.5
Leukemia	C91-C95	376	7.7	211	9.0	165	6.6
Multiple myeloma and immunoproliferative neoplasms	C88 or C90	213	4.4	106	2.7	107	2.0
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96	2	0.0	2	0.1	0	0.0
All other and unspecified malignant neoplasms	C00-C97 not listed above	1,171	24.1	634	26.9	537	21.4

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

TABLE 45
ALABAMA CEREBROVASCULAR DISEASE DEATHS AND DEATH RATES¹ BY
AND UNITED STATES CEREBROVASCULAR DISEASE DEATH RATES
1970-2016

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

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

TABLE 46
CEREBROVASCULAR DISEASE DEATHS AND DEATH RATES¹
BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,962	60.9	922	55.6	1,263	73.6	344	49.2	433	54.7
UNDER 1	4	6.8	1	5.3	2	11.1	1	9.2	0	0.0
1-4	2	0.9	0	0.0	0	0.0	0	0.0	2	4.7
5-9	1	0.3	1	1.0	0	0.0	0	0.0	0	0.0
10-14	1	0.3	0	0.0	0	0.0	0	0.0	1	1.9
15-19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
20-24	1	0.3	0	0.0	0	0.0	1	1.6	0	0.0
25-29	5	1.5	1	0.9	1	0.9	3	5.5	0	0.0
30-34	5	1.6	1	1.0	2	2.0	1	2.1	1	1.9
35-39	14	4.7	3	3.0	3	3.0	5	11.0	3	5.6
40-44	37	12.6	10	9.8	9	8.8	13	31.6	5	10.1
45-49	54	17.3	19	17.0	11	9.9	17	41.9	7	14.3
50-54	89	26.8	31	26.2	29	24.2	19	44.5	10	19.6
55-59	142	41.9	45	37.6	34	27.4	40	93.4	23	44.1
60-64	196	64.0	60	55.6	56	48.3	42	114.4	38	82.9
65-69	273	100.6	98	99.5	74	67.9	59	209.7	42	117.7
70-74	299	154.6	105	147.6	112	134.5	45	269.5	37	166.1
75-79	370	266.3	128	258.0	155	246.3	27	255.9	60	378.2
80-84	436	463.0	156	488.9	196	439.2	28	450.7	56	490.1
85+	1,033	1,190.7	263	1,117.1	579	1,252.8	43	910.1	148	1,206.3

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

TABLE 47
ALABAMA CHRONIC LOWER RESPIRATORY DISEASE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES CHRONIC LOWER RESPIRATORY DISEASE DEATH RATES
1980-2016

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

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

TABLE 48
CHRONIC LOWER RESPIRATORY DISEASE DEATHS AND DEATH RATES ¹
BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	3,325	68.4	1,430	86.3	1,532	89.3	199	28.5	164	20.7
UNDER 1	1	1.7	1	5.3	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	6	1.9	2	1.9	0	0.0	2	3.5	2	3.5
20-24	1	0.3	0	0.0	0	0.0	0	0.0	1	1.6
25-29	2	0.6	0	0.0	1	0.9	0	0.0	1	1.7
30-34	7	2.3	1	1.0	2	2.0	3	6.4	1	1.9
35-39	2	0.7	0	0.0	2	2.0	0	0.0	0	0.0
40-44	16	5.4	6	5.9	4	3.9	3	7.3	3	6.0
45-49	29	9.3	10	9.0	13	11.7	5	12.3	1	2.0
50-54	85	25.6	35	29.6	44	36.7	2	4.7	4	7.8
55-59	185	54.6	87	72.7	69	55.6	10	23.3	19	36.5
60-64	258	84.2	131	121.4	93	80.2	21	57.2	13	28.4
65-69	422	155.5	182	184.8	172	157.8	37	131.5	31	86.9
70-74	506	261.7	229	321.9	222	266.7	29	173.7	26	116.7
75-79	550	395.8	232	467.6	267	424.3	33	312.8	18	113.5
80-84	576	611.6	243	761.6	289	647.6	21	338.0	23	201.3
85+	679	782.7	271	1,151.0	354	766.0	33	698.4	21	171.2

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

TABLE 49
ALABAMA ACCIDENTAL DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES ACCIDENTAL DEATH RATES
1970-2016

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

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

TABLE 50
ACCIDENTAL DEATHS AND DEATH RATES ¹ BY AGE GROUP AND RACE
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,747	56.5	2,119	62.8	628	42.1
UNDER 1	26	44.4	12	32.5	14	64.8
1-4	22	9.4	15	10.2	7	8.1
5-9	24	7.9	15	7.7	9	8.3
10-14	18	5.9	12	6.0	6	5.6
15-19	120	37.4	83	40.3	37	32.3
20-24	190	57.0	146	69.7	44	35.5
25-29	225	67.7	173	79.3	52	45.6
30-34	241	78.9	182	89.0	59	58.6
35-39	218	72.4	159	78.7	59	59.6
40-44	215	73.0	166	81.5	49	53.9
45-49	190	60.9	143	64.2	47	52.5
50-54	208	62.7	157	65.9	51	54.4
55-59	193	57.0	149	61.1	44	46.4
60-64	162	52.9	115	51.4	47	56.9
65-69	127	46.8	99	47.7	28	43.9
70-74	141	72.9	114	73.8	27	69.3
75-79	104	74.8	91	80.9	13	49.2
80-84	122	129.5	105	137.2	17	96.4
85+	201	231.7	183	262.3	18	105.9

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

TABLE 51
ACCIDENTAL DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,747	56.5	1,366	82.4	753	43.9	457	65.4	171	21.6
UNDER 1	26	44.4	6	31.8	6	33.3	9	82.4	5	46.8
1-4	22	9.4	10	13.2	5	6.9	5	11.4	2	4.7
5-9	24	7.9	5	5.0	10	10.5	2	3.6	7	13.1
10-14	18	5.9	6	5.9	6	6.2	2	3.7	4	7.6
15-19	120	37.4	53	50.3	30	29.7	29	50.6	8	14.0
20-24	190	57.0	105	97.9	41	40.1	33	54.3	11	17.5
25-29	225	67.7	132	120.5	41	37.8	41	74.7	11	18.6
30-34	241	78.9	130	126.6	52	51.0	52	111.3	7	13.0
35-39	218	72.4	112	110.5	47	46.6	38	84.0	21	39.1
40-44	215	73.0	108	105.8	58	57.0	40	97.1	9	18.1
45-49	190	60.9	94	84.2	49	44.2	36	88.7	11	22.5
50-54	208	62.7	94	79.5	63	52.6	34	79.7	17	33.2
55-59	193	57.0	94	78.6	55	44.3	33	77.1	11	21.1
60-64	162	52.9	79	73.2	36	31.1	38	103.5	9	19.6
65-69	127	46.8	68	69.1	31	28.4	22	78.2	6	16.8
70-74	141	72.9	70	98.4	44	52.9	17	101.8	10	44.9
75-79	104	74.8	48	96.7	43	68.3	9	85.3	4	25.2
80-84	122	129.5	69	216.3	36	80.7	10	161.0	7	61.3
85+	201	231.7	83	352.5	100	216.4	7	148.1	11	89.7

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

TABLE 52
ACCIDENTAL DEATHS BY TYPE OF ACCIDENT AND AGE GROUP
ALABAMA, 2016

TYPE OF ACCIDENT (ICD CODE)	TOTAL	AGE GROUP										
		UNDER 1	1- 4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
TOTAL	2,747	26	22	42	310	466	433	398	355	268	226	201
Occupant of railway train (V81.0-V-81.8)	1	0	0	0	0	0	1	0	0	0	0	0
Motor vehicle ¹	1,157	3	8	24	210	236	192	171	126	105	62	20
Drowning (W65-W74)	75	0	9	10	6	6	9	6	9	8	10	2
Air and space transport (V95-V97)	6	0	0	0	0	3	1	0	0	2	0	0
Poisoning (X40-X49)	720	0	0	0	61	187	196	135	103	26	7	5
Falls (W00-W19)	244	0	0	0	2	4	4	21	36	44	61	72
Smoke, fire and flames (X00-X09)	94	0	3	4	5	6	12	8	22	21	9	4
Contact with venomous life forms (X20-X29)	2	0	0	0	0	0	0	1	0	1	0	0
Excessive natural heat (X30)	12	2	0	0	0	0	2	3	3	1	1	0
Excessive natural cold (X31)	9	0	0	0	0	0	0	2	3	1	2	1
Lightning (X33)	1	0	0	0	1	0	0	0	0	0	0	0
Cataclysmic storms and floods (X37-X38)	2	0	0	0	1	0	0	0	1	0	0	0
Suffocation (W75-W84)	124	21	0	1	3	7	6	14	14	17	22	19
Struck by falling objects, etc. (W20)	15	0	0	0	2	0	2	4	5	1	1	0
Firearms (W32-W34)	21	0	2	2	6	2	1	3	1	4	0	0
Electrocution (W85-W87)	4	0	0	0	1	1	1	1	0	0	0	0
All other accidents and late effects	260	0	0	1	12	14	6	29	32	37	51	78

¹ See Appendix C for list of ICD 10 codes.

TABLE 53
ALABAMA DIABETES DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES DIABETES DEATH RATES
1980-2016

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

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

TABLE 54
DIABETES DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	1,181	24.3	428	25.8	311	18.1	205	29.3	237	29.9
UNDER 1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1-4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
5-9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
10-14	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	6	1.8	0	0.0	2	2.0	0	0.0	4	6.3
25-29	7	2.1	2	1.8	2	1.8	3	5.5	0	0.0
30-34	11	3.6	5	4.9	0	0.0	3	6.4	3	5.6
35-39	16	5.3	5	4.9	3	3.0	5	11.0	3	5.6
40-44	30	10.2	9	8.8	10	9.8	4	9.7	7	14.1
45-49	50	16.0	19	17.0	9	8.1	14	34.5	8	16.4
50-54	75	22.6	27	22.8	13	10.8	22	51.6	13	25.4
55-59	101	29.8	36	30.1	24	19.3	17	39.7	24	46.1
60-64	143	46.7	69	64.0	26	22.4	32	87.2	16	34.9
65-69	171	63.0	66	67.0	44	40.4	26	92.4	35	98.1
70-74	167	86.4	68	95.6	35	42.0	31	185.7	33	148.1
75-79	142	102.2	51	102.8	42	66.7	24	227.5	25	157.6
80-84	110	116.8	39	122.2	26	58.3	9	144.9	36	315.1
85+	152	175.2	32	135.9	75	162.3	15	317.5	30	244.5

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

TABLE 55
ALABAMA ALZHEIMER'S DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES ALZHEIMER'S DEATH RATES
ALABAMA, 1980-2016

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

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

TABLE 56
ALZHEIMER'S DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,506	51.5	607	36.6	1,516	88.4	89	12.7	294	37.1
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	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	1	0.3	1	1.0	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	1	0.3	0	0.0	1	1.0	0	0.0	0	0.0
45-49	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
50-54	3	0.9	3	2.5	0	0.0	0	0.0	0	0.0
55-59	8	2.4	4	3.3	4	3.2	0	0.0	0	0.0
60-64	13	4.2	5	4.6	2	1.7	4	10.9	2	4.4
65-69	72	26.5	22	22.3	36	33.0	5	17.8	9	25.2
70-74	142	73.4	46	64.7	74	88.9	10	59.9	12	53.9
75-79	265	190.7	89	179.4	144	228.8	9	85.3	23	145.0
80-84	491	521.4	131	410.6	279	625.2	28	450.7	53	463.9
85+	1,510	1,740.6	306	1,299.7	976	2,111.9	33	698.4	195	1,589.4

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

TABLE 57
ALABAMA SUICIDE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES SUICIDE DEATH RATES
1970-2016

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1970	11.6	313	9.1	285	11.2	28	3.1
1971	11.7	360	10.4	333	13.0	27	3.0
1972	12.0	378	10.8	340	13.1	38	4.3
1973	12.0	352	10.1	317	12.1	35	3.9
1974	12.1	380	10.8	331	12.5	49	5.6
1975	12.7	394	11.1	353	13.2	41	4.7
1976	12.5	407	11.4	361	13.4	46	5.3
1977	13.3	405	11.3	369	13.6	36	4.2
1978	12.5	399	10.7	347	12.4	52	5.5
1979	12.1	417	11.0	368	13.0	49	5.1
1980	11.9	444	11.4	405	14.1	39	3.8
1981	12.0	398	10.1	353	12.1	45	4.4
1982	12.2	427	10.7	375	12.7	52	5.0
1983	12.1	428	10.5	385	12.7	43	4.1
1984	12.4	465	11.3	417	13.6	48	4.5
1985	12.3	442	10.6	399	12.9	43	4.0
1986	12.8	512	12.5	464	15.4	48	4.4
1987	12.7	450	10.8	401	13.1	49	4.5
1988	12.4	497	11.8	435	14.1	62	5.6
1989	12.2	516	12.2	451	14.4	65	5.8
1990	12.4	527	13.0	462	15.5	65	6.1
1991	12.2	573	14.1	498	16.6	75	6.9
1992	12.0	525	12.9	437	14.6	88	8.2
1993	12.1	575	14.1	490	16.3	85	7.9
1994	12.0	584	14.2	502	16.6	82	7.6
1995	11.9	564	13.7	479	15.8	85	7.8
1996	11.6	549	13.3	482	15.9	67	6.1
1997	11.4	531	12.8	456	15.0	75	6.8
1998	11.3	567	13.6	499	16.3	68	6.2
1999	10.5	560	13.4	498	16.3	62	5.6
2000	10.4	579	13.0	513	16.2	66	5.1
2001	10.7	508	11.3	450	14.2	58	4.4
2002	11.0	515	11.4	450	14.1	65	4.9
2003	10.9	525	11.7	472	14.7	53	4.1
2004	11.1	535	11.8	453	14.0	82	6.3
2005	11.0	526	11.5	460	14.1	66	5.1
2006	11.2	573	12.5	509	15.5	64	4.8
2007	11.5	586	12.7	530	16.1	56	4.2
2008	11.8	603	12.9	533	16.1	70	5.2
2009	12.0	667	14.2	602	18.0	65	4.7
2010	12.4	676	14.1	617	18.8	59	3.9
2011	12.7	640	13.3	567	16.8	73	5.1
2012	12.9	721	15.0	633	18.8	88	6.1
2013	13.0	719	14.9	649	19.2	70	4.8
2014	13.4	711	14.7	638	18.9	73	5.0
2015	13.7	748	15.4	672	19.9	76	5.1
2016	13.9	786	16.2	712	21.1	74	5.0

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

TABLE 58
SUICIDE DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	786	16.2	555	33.5	157	9.2	69	9.9	5	0.6
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	6	2.0	4	3.9	2	2.1	0	0.0	0	0.0
15-19	33	10.3	22	20.9	4	4.0	7	12.2	0	0.0
20-24	59	17.7	41	38.2	6	5.9	12	19.8	0	0.0
25-29	68	20.5	51	46.6	5	4.6	11	20.0	1	1.7
30-34	62	20.3	41	39.9	15	14.7	6	12.8	0	0.0
35-39	59	19.6	35	34.5	14	13.9	10	22.1	0	0.0
40-44	57	19.3	39	38.2	14	13.8	3	7.3	1	2.0
45-49	71	22.8	48	43.0	18	16.2	4	9.9	1	2.0
50-54	87	26.2	68	57.5	15	12.5	4	9.4	0	0.0
55-59	77	22.7	45	37.6	27	21.7	4	9.3	1	1.9
60-64	52	17.0	34	31.5	14	12.1	4	10.9	0	0.0
65-69	48	17.7	39	39.6	7	6.4	2	7.1	0	0.0
70-74	37	19.1	30	42.2	5	6.0	1	6.0	1	4.5
75-79	31	22.3	25	50.4	6	9.5	0	0.0	0	0.0
80-84	22	23.4	18	56.4	4	9.0	0	0.0	0	0.0
85+	17	19.6	15	63.7	1	2.2	1	21.2	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 59
ALABAMA HOMICIDE DEATHS AND DEATH RATES¹ BY RACE
AND UNITED STATES HOMICIDE DEATH RATES
1970-2016

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

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

TABLE 60
HOMICIDE DEATHS AND DEATH RATES¹ BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	543	11.2	138	8.3	46	2.7	307	43.9	52	6.6
UNDER 1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
1-4	4	1.7	0	0.0	2	2.8	1	2.3	1	2.3
5-9	1	0.3	1	1.0	0	0.0	0	0.0	0	0.0
10-14	4	1.3	0	0.0	1	1.0	1	1.9	2	3.8
15-19	51	15.9	8	7.6	1	1.0	38	66.4	4	7.0
20-24	97	29.1	14	13.1	1	1.0	70	115.2	12	19.0
25-29	84	25.3	17	15.5	3	2.8	55	100.2	9	15.2
30-34	71	23.3	19	18.5	3	2.9	42	89.9	7	13.0
35-39	56	18.6	15	14.8	8	7.9	31	68.5	2	3.7
40-44	54	18.3	16	15.7	6	5.9	25	60.7	7	14.1
45-49	33	10.6	8	7.2	6	5.4	15	37.0	4	8.2
50-54	21	6.3	9	7.6	6	5.0	5	11.7	1	2.0
55-59	19	5.6	7	5.8	2	1.6	9	21.0	1	1.9
60-64	12	3.9	6	5.6	2	1.7	4	10.9	0	0.0
65-69	15	5.5	9	9.1	1	0.9	4	14.2	1	2.8
70-74	7	3.6	2	2.8	3	3.6	1	6.0	1	4.5
75-79	7	5.0	4	8.1	0	0.0	3	28.4	0	0.0
80-84	3	3.2	1	3.1	0	0.0	2	32.2	0	0.0
85+	4	4.6	2	8.5	1	2.2	1	21.2	0	0.0

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

TABLE 61
INFANT DEATHS AND INFANT MORTALITY RATES¹ BY RACE²
ALABAMA AND UNITED STATES, 1970-2016

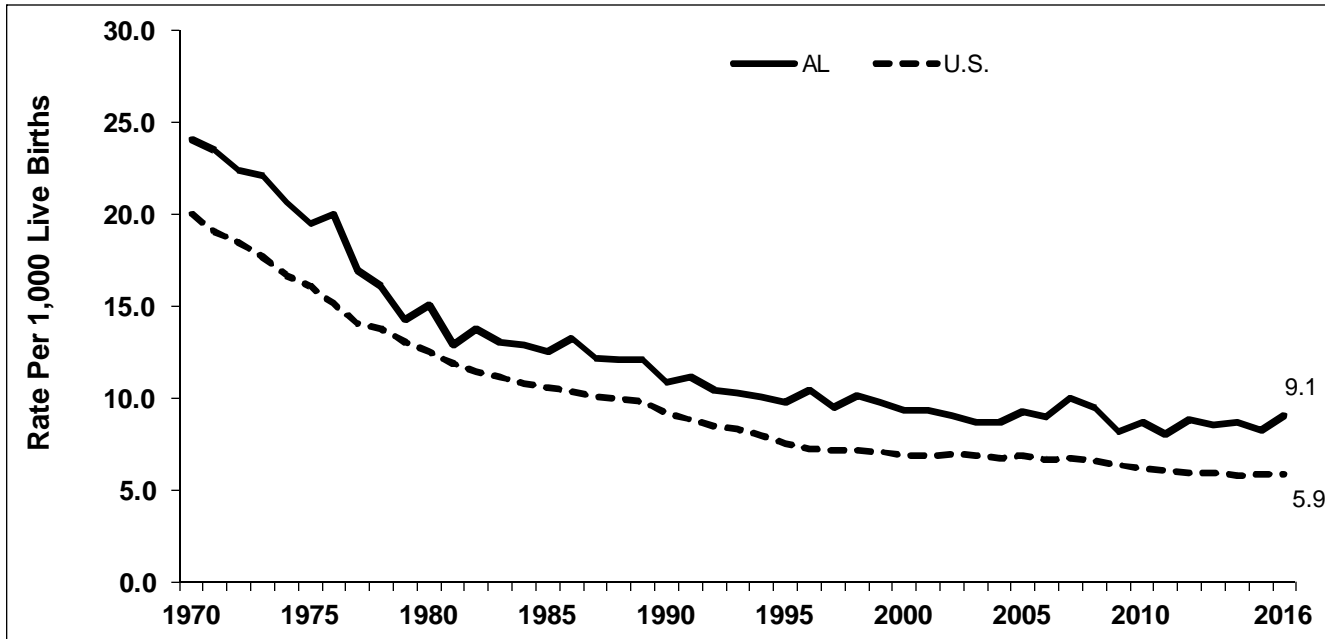
YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S.	ALABAMA		U.S.	ALABAMA		U.S.
	NUMBER	RATE	RATE	NUMBER	RATE	RATE	NUMBER	RATE	RATE
1970	1,628	24.1	20.0	838	18.4	17.8	790	35.8	30.9
1971	1,566	23.5	19.1	797	18.0	17.1	769	34.1	28.5
1972	1,385	22.4	18.5	691	17.2	16.4	694	32.1	27.7
1973	1,313	22.1	17.7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

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 1990-2016 are by race of mother.

³ U.S. race-specific rates are not comparable to the Alabama race-specific rates for 2015 and 2016 due to a different tabulation method.

**FIGURE 11. INFANT MORTALITY RATES
ALABAMA AND UNITED STATES, 1970-2016**



**FIGURE 12. NEONATAL AND POSNEONATAL MORTALITY RATES
ALABAMA, 1970-2016**

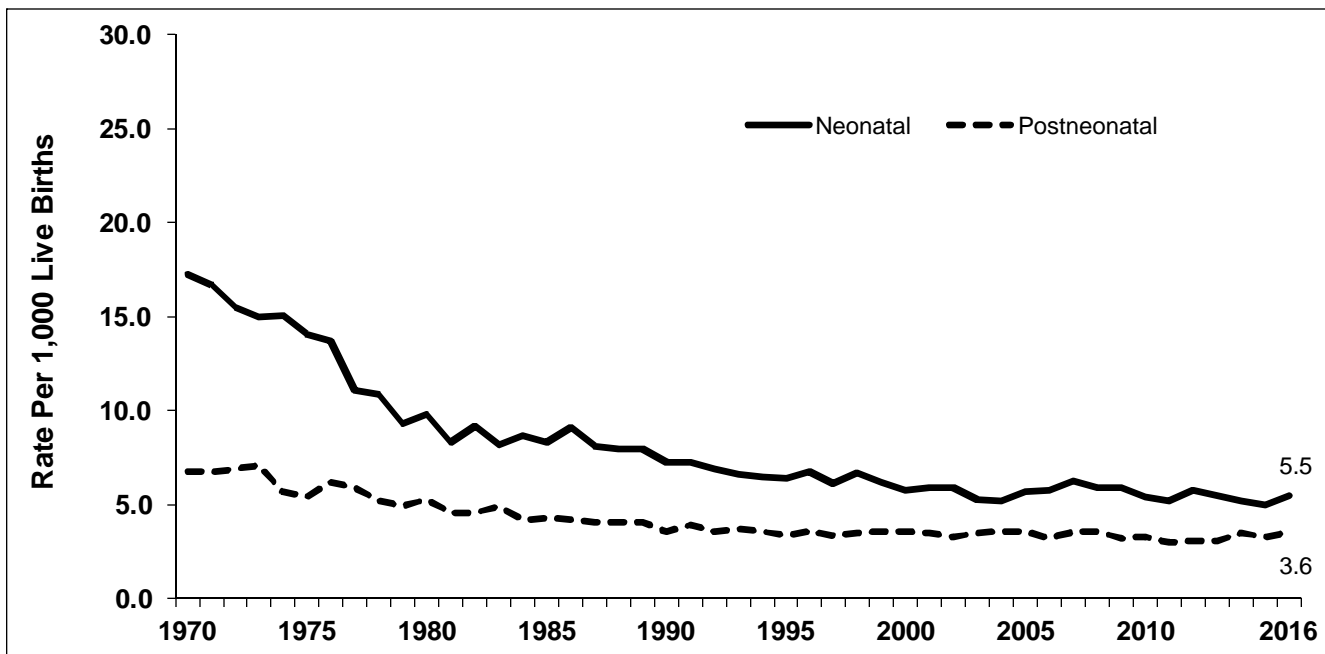


TABLE 62
NEONATAL DEATHS AND NEONATAL MORTALITY RATES ¹ BY RACE ²
ALABAMA AND UNITED STATES, 1970-2016

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

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 1990-2016 are by race of mother.

³ U.S. race-specific rates are not comparable to the Alabama race-specific rates for 2015 and 2016 due to a different tabulation method.

TABLE 63
POSTNEONATAL DEATHS AND POSTNEONATAL MORTALITY RATES ¹ BY RACE ²
ALABAMA AND UNITED STATES, 1970-2016

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

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 1990-2016 are by race of mother.

³ U.S. race-specific rates are not comparable to the Alabama race-specific rates for 2015 and 2016 due to a different tabulation method.

TABLE 64
INFANT DEATHS AND INFANT MORTALITY RATES ¹
BY COUNTY OF RESIDENCE AND RACE ²
ALABAMA, 2016

COUNTY	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	537	9.1	255	6.5	282	14.2
Autauga	6	9.0	2	4.1	4	22.5
Baldwin	11	4.9	9	4.7	2	6.3
Barbour	3	10.8	1	8.4	2	12.5
Bibb	5	18.3	1	4.7	4	65.6
Blount	6	8.4	5	7.1	1	100.0
Bullock	2	14.3	0	0.0	2	18.2
Butler	3	13.0	0	0.0	3	23.1
Calhoun	17	12.5	8	8.0	9	25.4
Chambers	4	10.9	2	10.6	2	11.2
Cherokee	1	4.2	0	0.0	1	66.7
Chilton	1	1.9	1	2.2	0	0.0
Choctaw	3	21.0	1	15.2	2	26.0
Clarke	4	14.7	1	7.8	3	20.7
Clay	1	7.9	1	9.3	0	0.0
Cleburne	1	6.5	1	6.8	0	0.0
Coffee	3	4.5	1	2.0	2	11.8
Colbert	7	11.5	5	10.1	2	17.7
Conecuh	0	0.0	0	0.0	0	0.0
Coosa	1	12.2	1	16.9	0	0.0
Covington	6	13.3	3	7.6	3	55.6
Crenshaw	0	0.0	0	0.0	0	0.0
Cullman	7	7.2	6	6.3	1	40.0
Dale	6	8.8	3	6.0	3	16.5
Dallas	5	10.1	1	10.1	4	10.1
DeKalb	7	8.1	6	7.3	1	19.2
Elmore	10	11.1	6	9.0	4	17.4
Escambia	5	10.8	3	10.8	2	10.9
Etowah	13	10.7	8	8.6	5	17.4
Fayette	1	6.3	0	0.0	1	32.3
Franklin	2	4.6	1	2.4	1	71.4
Geneva	4	13.9	3	11.9	1	29.4
Greene	0	0.0	0	0.0	0	0.0
Hale	0	0.0	0	0.0	0	0.0
Henry	0	0.0	0	0.0	0	0.0
Houston	14	10.5	3	3.6	11	22.5
Jackson	6	10.2	6	11.1	0	0.0
Jefferson	89	10.3	24	5.3	65	15.9
Lamar	1	7.5	1	8.4	0	0.0
Lauderdale	7	7.7	6	7.7	1	7.9
Lawrence	3	7.8	3	8.8	0	0.0
Lee	11	5.8	5	3.9	6	9.8
Limestone	6	5.9	4	4.5	2	15.3
Lowndes	0	0.0	0	0.0	0	0.0
Macon	2	10.8	0	0.0	2	13.2
Madison	35	8.3	25	9.0	10	6.9
Marengo	1	4.1	0	0.0	1	7.6
Marion	5	16.5	5	17.6	0	0.0
Marshall	11	7.9	8	6.6	3	16.8
Mobile	57	10.4	21	7.0	36	14.4
Monroe	3	13.9	2	18.5	1	9.3
Montgomery	35	11.2	6	5.8	29	13.8
Morgan	8	5.4	3	2.5	5	17.7
Perry	3	25.6	0	0.0	3	33.7
Pickens	7	30.3	6	46.2	1	9.9
Pike	2	5.4	2	10.3	0	0.0
Randolph	0	0.0	0	0.0	0	0.0
Russell	8	10.0	3	7.2	5	13.1
St. Clair	11	10.4	10	10.4	1	10.3
Shelby	14	5.9	9	4.6	5	12.0
Sumter	1	7.5	0	0.0	1	9.7
Talladega	5	5.7	3	5.6	2	5.8
Tallapoosa	5	10.8	3	10.4	2	11.6
Tuscaloosa	33	12.7	12	8.3	21	18.5
Walker	3	3.8	1	1.4	2	23.0
Washington	3	16.7	1	7.5	2	42.6
Wilcox	0	0.0	0	0.0	0	0.0
Winston	3	12.3	3	12.7	0	0.0

¹ Rate is per 1,000 live births.

² 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 65
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY AGE AT DEATH AND RACE²
ALABAMA, 2016

AGE AT DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	537	9.1	255	6.5	282	14.2
Under 1 day	177	3.0	71	1.8	106	5.3
1 day - 6 days	64	1.1	34	0.9	30	1.5
7 days - 27 days	83	1.4	39	1.0	44	2.2
28 days - 364 days	213	3.6	111	2.8	102	5.1

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

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

TABLE 66
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY LIVE BIRTH ORDER
ALABAMA, 2016

LIVE BIRTH ORDER	LIVE BIRTHS	INFANT DEATHS	RATE
TOTAL	59,090	537	9.1
First	19,131	208	10.9
Second	17,350	167	9.6
Third	11,164	83	7.4
Fourth	5,836	42	7.2
Fifth	2,876	13	4.5
Sixth	1,422	9	6.3
Seventh and above	1,285	9	7.0
Not stated	26	6	--

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 67
INFANT DEATHS AND INFANT MORTALITY RATES ¹ BY CAUSE OF DEATH AND RACE OF CHILD
ALABAMA, 2016

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	537	9.1	255	6.5	282	14.2
Certain infectious and parasitic diseases	15	25.4	6	15.3	9	45.3
Septicemia	7	11.8	3	7.6	4	20.2
Viral diseases	1	1.7	0	0.0	1	5.0
Other and unspecified infectious and parasitic diseases	7	11.8	3	7.6	4	20.2
Neoplasms	3	5.1	2	5.1	1	5.0
Malignant neoplasms	3	5.1	2	5.1	1	5.0
In situ neoplasms, benign neoplasms and uncertain or unknown neoplasms	0	0.0	0	0.0	0	0.0
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	2	3.4	0	0.0	2	10.1
Endocrine, nutritional and metabolic diseases	9	15.2	2	5.1	7	35.3
Short stature, not elsewhere classified	1	1.7	0	0.0	1	5.0
Nutritional deficiencies	0	0.0	0	0.0	0	0.0
Cystic fibrosis	1	1.7	0	0.0	1	5.0
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	7	11.8	2	5.1	5	25.2
Diseases of the nervous system	2	3.4	0	0.0	2	10.1
Meningitis	0	0.0	0	0.0	0	0.0
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	0	0.0	0	0.0	0	0.0
Infantile cerebral palsy	0	0.0	0	0.0	0	0.0
Anoxic brain damage, not elsewhere classified	0	0.0	0	0.0	0	0.0
Other diseases of the nervous system	2	3.4	0	0.0	2	10.1
Diseases of the ear and mastoid process	0	0.0	0	0.0	0	0.0
Diseases of the circulatory system	13	22.0	7	17.8	6	30.2
Pulmonary heart disease and diseases of pulmonary circulation	5	8.5	3	7.6	2	10.1
Cardiomyopathy	2	3.4	1	2.5	1	5.0
Cardiac arrest	1	1.7	0	0.0	1	5.0
Cerebrovascular diseases	4	6.8	3	7.6	1	5.0
Other diseases of the circulatory system	1	1.7	0	0.0	1	5.0
Diseases of the respiratory system	16	27.1	4	10.2	12	60.5
Acute upper respiratory infections	0	0.0	0	0.0	0	0.0
Influenza and pneumonia	4	6.8	0	0.0	4	20.2
Acute bronchitis and acute bronchiolitis	0	0.0	0	0.0	0	0.0
Bronchitis, chronic and unspecified	1	1.7	1	2.5	0	0.0
Asthma	0	0.0	0	0.0	0	0.0
Pneumonitis due to solids and liquids	1	1.7	1	2.5	0	0.0
Other and unspecified diseases of the respiratory system	10	16.9	2	5.1	8	40.3
Diseases of the digestive system	6	10.2	4	10.2	2	10.1
Gastritis, duodenitis, and noninfective enteritis and colitis	1	1.7	0	0.0	1	5.0
Hernia of abdominal cavity and intestinal obstruction without hernia	2	3.4	1	2.5	1	5.0
Other and unspecified diseases of the digestive system	3	5.1	3	7.6	0	0.0
Diseases of the genitourinary system	0	0.0	0	0.0	0	0.0
Renal failure and other disorders of the kidney	0	0.0	0	0.0	0	0.0
Other and unspecified diseases of the genitourinary system	0	0.0	0	0.0	0	0.0

¹Total rates are per 1,000 live births and cause-specific rates are per 100,000 live births. See formula in Appendix B. Use caution with rates derived from small numbers.

TABLE 67 (Continued)
INFANT DEATHS AND INFANT MORTALITY RATES ¹ BY CAUSE OF DEATH AND RACE OF CHILD
ALABAMA, 2016

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	537	9.1	255	6.5	282	14.2
Certain conditions originating in the perinatal period	241	407.9	97	247.2	144	725.5
Newborn affected by maternal factors and complications of pregnancy, labor and delivery	44	74.5	15	38.2	29	146.1
Newborn affected by maternal hypertensive disorders	1	1.7	0	0.0	1	5.0
Newborn affected by other maternal conditions which may be unrelated to present pregnancy	1	1.7	0	0.0	1	5.0
Newborn affected by maternal complications of pregnancy	22	37.2	5	12.7	17	85.6
Newborn affected by incompetent cervix	6	10.2	1	2.5	5	25.2
Newborn affected by premature rupture of membranes	14	23.7	2	5.1	12	60.5
Newborn affected by multiple pregnancy	0	0.0	0	0.0	0	0.0
Newborn affected by other maternal complications of pregnancy	2	3.4	2	5.1	0	0.0
Newborn affected by complications of placenta, cord and membranes	17	28.8	9	22.9	8	40.3
Newborn affected by complications involving placenta	13	22.0	7	17.8	6	30.2
Newborn affected by complications involving cord	0	0.0	0	0.0	0	0.0
Newborn affected by chorioamnionitis	4	6.8	2	5.1	2	10.1
Newborn affected by other and unspecified abnormalities of membranes	0	0.0	0	0.0	0	0.0
Newborn affected by other complications of labor and delivery	3	5.1	1	2.5	2	10.1
Newborn affected by noxious influences transmitted by placenta or breastmilk	0	0.0	0	0.0	0	0.0
Disorders related to length of gestation and fetal malnutrition	92	155.7	32	81.5	60	302.3
Slow growth and fetal malnutrition	3	5.1	1	2.5	2	10.1
Disorders related to short gestation and low birth weight, not elsewhere classified	89	150.6	31	79.0	58	292.2
Extremely low birth weight or extreme immaturity	72	121.8	26	66.3	46	231.7
Other low birth weight or preterm	17	28.8	5	12.7	12	60.5
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	10	16.9	7	17.8	3	15.1
Intrauterine hypoxia	7	11.8	5	12.7	2	10.1
Birth asphyxia	3	5.1	2	5.1	1	5.0
Respiratory distress of newborn	18	30.5	9	22.9	9	45.3
Other respiratory conditions originating in the perinatal period	21	35.5	11	28.0	10	50.4
Congenital pneumonia	1	1.7	1	2.5	0	0.0
Neonatal aspiration syndromes	0	0.0	0	0.0	0	0.0
Interstitial emphysema and related conditions originating in the perinatal period	1	1.7	1	2.5	0	0.0
Pulmonary hemorrhage originating in the perinatal period	9	15.2	5	12.7	4	20.2
Chronic respiratory disease originating in the perinatal period	3	5.1	1	2.5	2	10.1
Atelectasis	5	8.5	3	7.6	2	10.1
Other respiratory conditions originating in the perinatal period	2	3.4	0	0.0	2	10.1
Infections specific to the perinatal period	19	32.2	6	15.3	13	65.5
Bacterial sepsis of newborn	15	25.4	4	10.2	11	55.4
Other infections specific to the perinatal period	4	6.8	2	5.1	2	10.1
Hemorrhagic and hematological disorders of newborn	11	18.6	6	15.3	5	25.2
Neonatal hemorrhage	7	11.8	4	10.2	3	15.1
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	4	6.8	2	5.1	2	10.1

¹Total rates are per 1,000 live births and cause-specific rates are per 100,000 live births. See formula in Appendix B. Use caution with rates derived from small numbers.

TABLE 67 (Continued)
INFANT DEATHS AND INFANT MORTALITY RATES ¹ BY CAUSE OF DEATH AND RACE OF CHILD
ALABAMA, 2016

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	537	9.1	255	6.5	282	14.2
Neonatal diabetes mellitus and syndrome of infant of diabetic mother	0	0.0	0	0.0	0	0.0
Necrotizing enterocolitis of newborn	11	18.6	4	10.2	7	35.3
Hydrops fetalis not due to hemolytic disease	1	1.7	0	0.0	1	5.0
Other perinatal conditions	14	23.7	7	17.8	7	35.3
Congenital malformations, deformations and chromosomal abnormalities	92	155.7	56	142.7	36	181.4
Anencephaly and similar malformations	5	8.5	5	12.7	0	0.0
Congenital hydrocephalus	2	3.4	0	0.0	2	10.1
Spina bifida	0	0.0	0	0.0	0	0.0
Other congenital malformations of the nervous system	2	3.4	1	2.5	1	5.0
Congenital malformations of the heart	16	27.1	8	20.4	8	40.3
Other congenital malformations of the circulatory system	3	5.1	3	7.6	0	0.0
Congenital malformations of the respiratory system	6	10.2	1	2.5	5	25.2
Congenital malformations of the digestive system	0	0.0	0	0.0	0	0.0
Congenital malformations of the genitourinary system	13	22.0	8	20.4	5	25.2
Congenital malformations and deformations of musculoskeletal system, limbs and integument	14	23.7	10	25.5	4	20.2
Down's syndrome	1	1.7	1	2.5	0	0.0
Edward's syndrome	13	22.0	10	25.5	3	15.1
Patau's syndrome	1	1.7	0	0.0	1	5.0
Other congenital malformations and deformations	14	23.7	8	20.4	6	30.2
Other chromosomal abnormalities, not elsewhere classified	2	3.4	1	2.5	1	5.0
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	110	186.2	64	163.1	46	231.7
Sudden infant death syndrome	51	86.3	27	68.8	24	120.9
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	59	99.8	37	94.3	22	110.8
All other diseases (residual of A00-R99)	1	1.7	0	0.0	1	5.0
External causes of mortality	27	45.7	13	33.1	14	70.5
Accidents	26	44.0	12	30.6	14	70.5
Motor vehicle accidents	3	5.1	1	2.5	2	10.1
Falls	0	0.0	0	0.0	0	0.0
Accidental discharge of firearms	0	0.0	0	0.0	0	0.0
Drowning	0	0.0	0	0.0	0	0.0
Accidental suffocation and strangulation in bed	19	32.2	7	17.8	12	60.5
Other accidental suffocation and strangulation	1	1.7	1	2.5	0	0.0
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	1	1.7	1	2.5	0	0.0
Accidents caused by exposure to smoke, fire and flames	0	0.0	0	0.0	0	0.0
Accidental poisoning and exposure to noxious substances	0	0.0	0	0.0	0	0.0
Other and unspecified accidents and their sequelae	2	3.4	2	5.1	0	0.0
Homicide (assault)	0	0.0	0	0.0	0	0.0
Homicide by hanging, strangulation and suffocation	0	0.0	0	0.0	0	0.0
Homicide by discharge of firearms	0	0.0	0	0.0	0	0.0
Neglect, abandonment and other maltreatment syndromes	0	0.0	0	0.0	0	0.0
Homicide by other and unspecified means	0	0.0	0	0.0	0	0.0
Complications of medical and surgical care	0	0.0	0	0.0	0	0.0
Other external causes	1	1.7	1	2.5	0	0.0

¹Total rates are per 1,000 live births and cause-specific rates are per 100,000 live births. See formula in Appendix B. Use caution with rates derived from small numbers.

TABLE 68
INFANT DEATHS AND INFANT MORTALITY RATES ¹
BY RACE ² OF CHILD AND AGE GROUP OF MOTHER
ALABAMA, 2016

AGE GROUP OF MOTHER	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	537	9.1	255	6.5	282	14.2
Under 15	0	0.0	0	0.0	0	0.0
15-17	11	8.9	2	3.0	9	16.1
18-19	36	11.1	22	11.3	14	10.8
20-24	168	10.5	68	7.0	100	15.7
25-29	145	7.8	77	6.0	68	11.5
30-34	124	9.2	61	6.3	63	17.0
35-39	39	7.1	18	4.7	21	12.4
40+	9	9.4	4	6.1	5	16.4
Not stated	5	--	3	--	2	--

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 Deaths are by race of child and live births are by race of mother.

TABLE 69
INFANT DEATHS AND INFANT MORTALITY RATES ¹
BY WEIGHT AT BIRTH AND RACE ² OF CHILD
ALABAMA, 2016

BIRTH WEIGHT IN GRAMS	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	537	9.1	255	6.5	282	14.2
0-499 grams	128	790.1	43	826.9	85	772.7
500-999 grams	113	233.5	49	237.9	64	230.2
1,000-1,499 grams	30	56.3	13	51.8	17	60.3
1,500-1,999 grams	44	37.5	23	39.2	21	35.9
2,000-2,499 grams	45	12.0	22	10.8	23	13.4
2,500-4,499 grams	165	3.1	99	2.8	66	3.9
4,500+ grams	3	5.7	1	2.3	2	23.3
Not stated	9	--	5	--	4	--

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 Deaths are by race of child and live births are by race of mother.

TABLE 70
INFANT DEATHS AND INFANT MORTALITY RATES ¹
BY PLURALITY AT BIRTH, RACE ² AND SEX
ALABAMA, 2016

PLURALITY AT BIRTH	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	532	9.0	132	6.5	120	6.3	160	16.0	120	12.2
Single	444	7.8	109	5.6	102	5.6	131	13.6	102	10.9
Multiple	88	38.8	23	31.1	18	26.4	29	72.1	18	40.3
Twins	80	36.7	18	25.3	16	25.2	29	74.0	17	38.6
Triplets or higher order	8	87.9	5	178.6	2	43.5	0	0.0	1	142.9

¹ Rate is per 1,000 live births in specified group. Rates include only those births that birth order is 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 Deaths are by race of child and births are by race of mother.

TABLE 71
INFANT DEATHS AND INFANT MORTALITY RATES ¹
BY ADEQUACY OF PRENATAL CARE AND RACE ²
ALABAMA, 2016

ADEQUACY OF PRENATAL CARE	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Adequate plus	263	12.7	132	9.4	131	19.3
Adequate	98	4.5	37	2.4	61	9.2
Intermediate	18	4.3	9	3.3	9	6.3
Inadequate	105	10.1	51	8.3	54	12.5

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

² Deaths are by race of child and births are by race of mother.

TABLE 72
NUMBERS AND RATES ¹ OF MARRIAGES AND DIVORCES
ALABAMA AND UNITED STATES ², 1970, 1980, 1990, 1995, 2000-2016

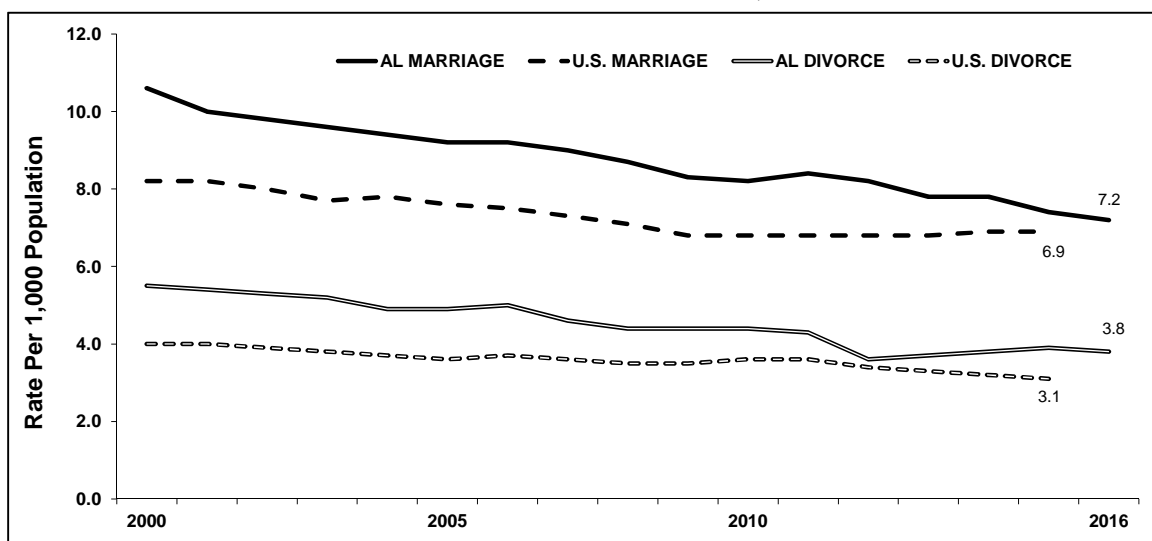
YEAR	MARRIAGES			DIVORCES		
	NUMBER	RATE	U.S. RATE	NUMBER	RATE	U.S. RATE
1970	46,959	13.6	10.6	15,109	4.4	3.5
1980	49,018	12.6	10.6	26,745	6.9	5.2
1990	43,050	10.7	9.8	25,678	6.4	4.7
1995	42,234	10.3	8.9	25,813	6.3	4.4
2000	47,087	10.6	8.2	24,630	5.5	4.0
2001	45,052	10.0	8.2	24,159	5.4	4.0
2002	44,158	9.8	8.0	24,059	5.3	3.9
2003	43,139	9.6	7.7	23,205	5.2	3.8
2004	42,537	9.4	7.8	22,405	4.9	3.7
2005	41,962	9.2	7.6	22,430	4.9	3.6
2006	42,386	9.2	7.5	22,867	5.0	3.7
2007	41,622	9.0	7.3	21,255	4.6	3.6
2008	40,638	8.7	7.1	20,311	4.4	3.5
2009	39,278	8.3	6.8	20,757	4.4	3.5
2010	39,382	8.2	6.8	21,238	4.4	3.6
2011	40,523	8.4	6.8	20,550	4.3	3.6
2012	39,489	8.2	6.8	17,193	3.6	3.4
2013	37,789	7.8	6.8	17,805	3.7	3.3
2014	37,945	7.8	6.9	18,504	3.8	3.2
2015	35,726	7.4	6.9	18,946	3.9	3.1
2016	34,822	7.2	-- ³	18,329	3.8	-- ³

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.

³ 2016 U.S. rates are not available.

FIGURE 13. MARRIAGE AND DIVORCE RATES
ALABAMA AND UNITED STATES, 2000-2016



2016 U.S. rates are not available.

**TABLE 73
NUMBERS AND RATES ¹ OF MARRIAGES AND DIVORCES BY ISSUING COUNTY
ALABAMA, 2016**

ISSUING COUNTY	MARRIAGES		DIVORCES	
	NUMBER	RATE	NUMBER	RATE
TOTAL	34,822	7.2	18,329	3.8
Autauga	0	0.0	195	3.5
Baldwin	2,350	11.3	952	4.6
Barbour	148	5.7	74	2.8
Bibb	29	1.3	0	0.0
Blount	450	7.8	250	4.3
Bullock	72	6.9	11	1.1
Butler	210	10.5	66	3.3
Calhoun	825	7.2	504	4.4
Chambers	14	0.4	142	4.2
Cherokee	196	7.6	111	4.3
Chilton	363	8.3	270	6.1
Choctaw	12	0.9	37	2.8
Clarke	0	0.0	110	4.5
Clay	75	5.6	44	3.3
Cleburne	0	0.0	71	4.8
Coffee	721	14.1	169	3.3
Colbert	402	7.4	288	5.3
Conecuh	95	7.7	49	4.0
Coosa	56	5.3	30	2.8
Covington	0	0.0	167	4.5
Crenshaw	186	13.4	47	3.4
Cullman	716	8.7	447	5.4
Dale	452	9.2	211	4.3
Dallas	191	4.8	64	1.6
DeKalb	513	7.2	231	3.3
Elmore	13	0.2	311	3.8
Escambia	230	6.1	68	1.8
Etowah	820	8.0	478	4.7
Fayette	101	6.1	13	0.8
Franklin	166	5.2	181	5.7
Geneva	0	0.0	100	3.8
Greene	41	4.9	4	0.5
Hale	96	6.4	25	1.7
Henry	108	6.3	88	5.1
Houston	642	6.2	522	5.0
Jackson	523	10.0	262	5.0
Jefferson	4,955	7.5	2,416	3.7
Lamar	78	5.6	73	5.2
Lauderdale	661	7.2	395	4.3
Lawrence	159	4.8	149	4.5
Lee	806	5.1	455	2.9
Limestone	585	6.3	418	4.5
Lowndes	65	6.3	59	5.7
Macon	66	3.5	29	1.5
Madison	2,705	7.6	1,260	3.5
Marengo	18	0.9	65	3.3
Marion	505	16.8	130	4.3
Marshall	738	7.8	483	5.1
Mobile	3,131	7.5	1,720	4.1
Monroe	171	7.9	84	3.9
Montgomery	2,808	12.4	790	3.5
Morgan	862	7.2	506	4.3
Perry	61	6.4	20	2.1
Pickens	111	5.5	77	3.8
Pike	0	0.0	76	2.3
Randolph	194	8.6	93	4.1
Russell	444	7.6	310	5.3
St. Clair	799	9.1	338	3.8
Shelby	1,127	5.4	669	3.2
Sumter	40	3.1	6	0.5
Talladega	474	5.9	347	4.3
Tallapoosa	276	6.8	116	2.8
Tuscaloosa	1,438	7.0	110	0.5
Walker	425	6.5	349	5.4
Washington	0	0.0	91	5.4
Wilcox	162	14.7	13	1.2
Winston	142	6.0	90	3.8

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 74
MARRIAGES AND MARRIAGE RATES¹ BY MONTH OF OCCURRENCE
ALABAMA, 2016**

MONTH	ALL MARRIAGES		SAME SEX MARRIAGES
	NUMBER	RATE	
TOTAL	34,822	7.2	939
January	1,629	3.9	69
February	2,059	5.5	77
March	2,615	6.3	54
April	3,382	8.5	98
May	3,595	8.7	71
June	3,509	8.8	83
July	3,150	7.6	57
August	2,648	6.4	69
September	3,147	7.9	82
October	3,973	9.6	96
November	2,526	6.3	86
December	2,589	6.3	97

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

**TABLE 75
MARRIAGES BY RACE OF SPOUSE
ALABAMA, 2016**

RACE OF SPOUSE 1	RACE OF SPOUSE 2				
	TOTAL	WHITE	BLACK	OTHER	NOT STATED
TOTAL	34,822	26,432	7,241	1,032	117
WHITE	26,172	25,212	371	543	46
BLACK	7,742	826	6,768	115	33
OTHER	807	362	70	371	4
NOT STATED	101	32	32	3	34

**TABLE 76
MARRIAGES BY PREVIOUS MARITAL STATUS
ALABAMA, 2016**

MARITAL STATUS OF SPOUSE 1	MARITAL STATUS OF SPOUSE 2				
	TOTAL	NEVER MARRIED	WIDOWED	DIVORCED	NOT STATED
TOTAL	34,822	20,413	1,218	12,296	895
NEVER MARRIED	20,241	16,860	159	3,158	64
WIDOWED	1,134	123	377	618	16
DIVORCED	12,569	3,368	670	8,359	172
NOT STATED	878	62	12	161	643

TABLE 77
MARRIAGES BY AGE GROUP OF SPOUSE
ALABAMA, 2016

AGE GROUP OF SPOUSE 1	AGE GROUP OF SPOUSE 2														
	TOTAL	UNDER 15	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+
TOTAL	34,822	0	1,527	8,212	7,713	4,727	3,462	2,706	2,307	1,681	1,025	711	403	207	141
UNDER 15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15-19	693	0	470	199	14	4	3	2	0	1	0	0	0	0	0
20-24	6,312	0	874	4,477	770	122	50	9	8	1	1	0	0	0	0
25-29	7,855	0	127	2,722	3,965	750	196	56	27	8	3	1	0	0	0
30-34	5,085	0	34	559	1,915	1,800	545	169	40	17	3	2	1	0	0
35-39	3,771	0	11	150	659	1,203	1,145	416	139	37	8	2	1	0	0
40-44	2,946	0	7	59	230	495	845	832	357	96	21	2	0	2	0
45-49	2,524	0	2	28	106	208	383	716	735	244	73	20	5	2	2
50-54	1,988	0	1	13	27	86	183	310	556	581	173	47	7	3	1
55-59	1,359	0	0	4	22	26	57	135	265	363	325	115	36	7	4
60-64	1,002	0	1	1	4	23	31	43	109	212	249	245	64	17	3
65-69	635	0	0	0	0	6	18	12	41	78	112	174	146	43	5
70-74	329	0	0	0	1	2	4	4	16	28	36	62	83	68	25
75+	323	0	0	0	0	2	2	2	14	15	21	41	60	65	101

TABLE 78
DIVORCES AND ANNULMENTS BY DURATION OF MARRIAGE
AND NUMBER OF MINOR CHILDREN ¹
ALABAMA, 2016

DURATION OF MARRIAGE (IN YEARS)	NUMBER OF MINOR CHILDREN											
	TOTAL	0	1	2	3	4	5	6	7	8	9+	NOT STATED
TOTAL	18,329	10,897	3,610	2,785	785	152	35	10	5	0	0	50
UNDER 1	704	635	39	19	3	2	1	0	0	0	0	5
1-4	5,376	3,824	1,083	386	62	4	1	1	0	0	0	15
5-9	4,613	2,456	1,037	857	222	25	5	2	0	0	0	9
10-14	2,784	1,178	589	715	236	50	6	2	1	0	0	7
15-19	1,986	816	378	535	186	47	17	3	0	0	0	4
20-24	1,250	641	304	219	57	20	4	2	3	0	0	0
25-29	752	551	137	45	13	3	1	0	1	0	0	1
30-34	424	382	33	6	2	0	0	0	0	0	0	1
35-39	208	200	5	1	2	0	0	0	0	0	0	0
40+	179	175	2	1	0	0	0	0	0	0	0	1
NOT STATED	53	39	3	1	2	1	0	0	0	0	0	7

¹ Children 18 years of age and under are considered minors in Alabama.

**TABLE 79
DIVORCES ¹ AND ANNULMENTS
BY PARTY TO WHOM GRANTED
ALABAMA, 2016**

PARTY TO WHOM DIVORCE GRANTED	TOTAL	DIVORCES	ANNULMENTS
TOTAL	18,329	18,287	42
Spouse 1	1,160	1,154	6
Spouse 2	1,949	1,936	13
Spouse 1 and Spouse 2	15,160	15,137	23
Not Stated	60	60	0

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

**TABLE 80
DIVORCES BY RACE OF SPOUSE
ALABAMA, 2016**

RACE OF SPOUSE 1	RACE OF SPOUSE 2		
	TOTAL	WHITE	BLACK AND OTHER
TOTAL	18,329	14,112	4,217
WHITE	13,992	13,697	295
BLACK AND OTHER	4,337	415	3,922

**TABLE 81
DIVORCES ¹ AND ANNULMENTS
BY LEGAL GROUNDS FOR DECREE
ALABAMA, 2016**

LEGAL GROUNDS	TOTAL	DIVORCES	ANNULMENTS
TOTAL	18,329	18,287	42
Abandonment	77	77	0
Adultery	224	222	2
Bigamy	10	4	6
Cruelty or violence	127	127	0
Fraud	10	6	4
Incompatibility	14,254	14,238	16
Irretrievable breakdown	3,481	3,480	1
All other causes	139	126	13
Not stated	7	7	0

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

**TABLE 82
DIVORCES BY AGE GROUP OF SPOUSE
ALABAMA, 2016**

AGE GROUP OF SPOUSE 1	AGE GROUP OF SPOUSE 2														
	TOTAL	UNDER 20	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75+	NOT STATED
TOTAL	18,329	90	1,248	2,569	2,904	2,905	2,565	2,182	1,593	1,115	600	325	124	85	24
UNDER 20	34	15	12	2	3	0	0	2	0	0	0	0	0	0	0
20-24	769	55	555	117	28	10	2	1	0	0	0	0	0	0	1
25-29	2,180	9	516	1,280	267	67	20	10	2	4	1	1	1	0	2
30-34	2,591	6	103	791	1,204	344	91	35	8	3	3	2	0	1	0
35-39	2,775	3	33	230	916	1,144	314	96	26	6	3	1	0	2	1
40-44	2,656	0	13	84	295	844	995	317	66	36	3	2	0	0	1
45-49	2,378	0	8	36	106	318	710	862	231	79	17	7	0	0	4
50-54	1,862	1	5	17	48	107	267	548	584	215	50	10	4	2	4
55-59	1,397	0	1	8	19	45	103	192	437	431	115	38	4	2	2
60-64	790	0	0	2	7	15	40	80	159	222	201	54	8	2	0
65-69	494	1	2	0	3	6	15	24	57	90	151	107	27	8	3
70-74	233	0	0	1	5	1	6	11	16	18	40	78	46	11	0
75+	153	0	0	0	1	2	0	3	6	11	15	24	34	57	0
NOT STATED	17	0	0	1	2	2	2	1	1	0	1	1	0	0	6

TABLE 83
ESTIMATED POPULATION¹ BY COUNTY, RACE AND SEX
ALABAMA, 2016

	ALL RACES			WHITE			BLACK AND OTHER		
	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	4,863,300	2,355,586	2,507,714	3,372,524	1,656,784	1,715,740	1,490,776	698,802	791,974
Autauga	55,416	26,994	28,422	42,769	20,979	21,790	12,647	6,015	6,632
Baldwin	208,563	101,241	107,322	181,835	88,550	93,285	26,728	12,691	14,037
Barbour	25,965	13,779	12,186	12,929	6,846	6,083	13,036	6,933	6,103
Bibb	22,643	12,145	10,498	17,334	8,873	8,461	5,309	3,272	2,037
Blount	57,704	28,498	29,206	55,365	27,350	28,015	2,339	1,148	1,191
Bullock	10,362	5,600	4,762	2,733	1,653	1,080	7,629	3,947	3,682
Butler	19,998	9,322	10,676	10,612	5,071	5,541	9,386	4,251	5,135
Calhoun	114,611	55,138	59,473	86,586	42,077	44,509	28,025	13,061	14,964
Chambers	33,843	16,243	17,600	19,518	9,490	10,028	14,325	6,753	7,572
Cherokee	25,725	12,769	12,956	23,950	11,868	12,082	1,775	901	874
Chilton	43,941	21,605	22,336	38,322	18,864	19,458	5,619	2,741	2,878
Choctaw	12,993	6,180	6,813	7,452	3,629	3,823	5,541	2,551	2,990
Clarke	24,392	11,539	12,853	13,125	6,325	6,800	11,267	5,214	6,053
Clay	13,492	6,616	6,876	11,219	5,521	5,698	2,273	1,095	1,178
Cleburne	14,924	7,421	7,503	14,170	7,052	7,118	754	369	385
Coffee	51,226	25,319	25,907	39,006	19,431	19,575	12,220	5,888	6,332
Colbert	54,216	26,158	28,058	43,783	21,266	22,517	10,433	4,892	5,541
Conecuh	12,395	5,961	6,434	6,353	3,154	3,199	6,042	2,807	3,235
Coosa	10,581	5,369	5,212	7,074	3,607	3,467	3,507	1,762	1,745
Covington	37,458	18,073	19,385	31,652	15,329	16,323	5,806	2,744	3,062
Crenshaw	13,913	6,794	7,119	10,062	4,969	5,093	3,851	1,825	2,026
Cullman	82,471	40,731	41,740	79,375	39,164	40,211	3,096	1,567	1,529
Dale	49,226	24,264	24,962	36,703	18,460	18,243	12,523	5,804	6,719
Dallas	40,008	18,480	21,528	11,276	5,435	5,841	28,732	13,045	15,687
DeKalb	70,900	35,086	35,814	65,761	32,476	33,285	5,139	2,610	2,529
Elmore	81,799	39,665	42,134	61,987	29,905	32,082	19,812	9,760	10,052
Escambia	37,728	19,384	18,344	23,371	11,736	11,635	14,357	7,648	6,709
Etowah	102,564	49,646	52,918	83,061	40,445	42,616	19,503	9,201	10,302
Fayette	16,546	8,179	8,367	14,258	7,045	7,213	2,288	1,134	1,154
Franklin	31,628	15,793	15,835	28,919	14,295	14,624	2,709	1,498	1,211
Geneva	26,614	13,068	13,546	23,217	11,422	11,795	3,397	1,646	1,751
Greene	8,422	4,001	4,421	1,528	756	772	6,894	3,245	3,649
Hale	14,952	7,060	7,892	6,133	3,049	3,084	8,819	4,011	4,808
Henry	17,164	8,304	8,860	12,153	5,915	6,238	5,011	2,389	2,622
Houston	104,056	49,862	54,194	72,462	35,187	37,275	31,594	14,675	16,919
Jackson	52,138	25,658	26,480	47,780	23,508	24,272	4,358	2,150	2,208
Jefferson	659,521	312,112	347,409	352,183	171,162	181,021	307,338	140,950	166,388
Lamar	13,918	6,782	7,136	12,155	5,958	6,197	1,763	824	939
Lauderdale	92,318	44,133	48,185	80,221	38,503	41,718	12,097	5,630	6,467
Lawrence	33,244	16,227	17,017	26,059	12,731	13,328	7,185	3,496	3,689
Lee	158,991	78,393	80,598	112,421	56,421	56,000	46,570	21,972	24,598
Limestone	92,753	46,478	46,275	75,772	37,841	37,931	16,981	8,637	8,344
Lowndes	10,358	4,895	5,463	2,607	1,304	1,303	7,751	3,591	4,160
Macon	18,963	8,645	10,318	3,104	1,551	1,553	15,859	7,094	8,765
Madison	356,967	174,242	182,725	246,371	122,731	123,640	110,596	51,511	59,085
Marengo	19,673	9,299	10,374	9,253	4,522	4,731	10,420	4,777	5,643
Marion	29,998	14,900	15,098	28,216	13,888	14,328	1,782	1,012	770
Marshall	95,157	46,927	48,230	88,786	43,542	45,244	6,371	3,385	2,986
Mobile	414,836	198,197	216,639	247,092	120,561	126,531	167,744	77,636	90,108
Monroe	21,530	10,268	11,262	11,972	5,868	6,104	9,558	4,400	5,158
Montgomery	226,349	107,020	119,329	84,262	41,247	43,015	142,087	65,773	76,314
Morgan	119,012	58,556	60,456	99,030	48,963	50,067	19,982	9,593	10,389
Perry	9,574	4,509	5,065	2,975	1,460	1,515	6,599	3,049	3,550
Pickens	20,324	10,156	10,168	11,788	6,119	5,669	8,536	4,037	4,499
Pike	33,286	15,908	17,378	19,136	9,364	9,772	14,150	6,544	7,606
Randolph	22,652	10,995	11,657	17,611	8,643	8,968	5,041	2,352	2,689
Russell	58,172	28,175	29,997	29,615	14,632	14,983	28,557	13,543	15,014
St. Clair	88,019	43,949	44,070	77,437	38,404	39,033	10,582	5,545	5,037
Shelby	210,622	102,181	108,441	176,229	86,008	90,221	34,393	16,173	18,220
Sumter	13,040	5,937	7,103	3,324	1,572	1,752	9,716	4,365	5,351
Talladega	80,103	38,778	41,325	51,935	25,444	26,491	28,168	13,334	14,834
Tallapoosa	40,727	19,804	20,923	28,815	14,160	14,655	11,912	5,644	6,268
Tuscaloosa	206,102	99,273	106,829	134,158	66,328	67,830	71,944	32,945	38,999
Walker	64,967	31,716	33,251	59,134	28,894	30,240	5,833	2,822	3,011
Washington	16,756	8,209	8,547	10,987	5,448	5,539	5,769	2,761	3,008
Wilcox	10,986	5,228	5,758	3,101	1,515	1,586	7,885	3,713	4,172
Winston	23,805	11,749	12,056	22,942	11,298	11,644	863	451	412

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

TABLE 84
ESTIMATED POPULATION ¹
BY AGE GROUP, RACE AND SEX
ALABAMA, 2016

AGE GROUP	TOTAL POPULATION	WHITE			BLACK AND OTHER		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	4,863,300	3,372,524	1,656,784	1,715,740	1,490,776	698,802	791,974
0-4	292,565	184,492	94,353	90,139	108,073	54,629	53,444
5-9	303,617	194,756	99,507	95,249	108,861	55,351	53,510
10-14	306,381	199,951	102,543	97,408	106,430	53,621	52,809
15-19	320,546	206,123	105,267	100,856	114,423	57,271	57,152
20-24	333,330	209,539	107,277	102,262	123,791	60,756	63,035
25-29	332,135	218,071	109,523	108,548	114,064	54,866	59,198
30-34	305,352	204,589	102,717	101,872	100,763	46,738	54,025
35-39	301,057	202,136	101,338	100,798	98,921	45,259	53,662
40-44	294,656	203,768	102,069	101,699	90,888	41,199	49,689
45-49	312,055	222,601	111,664	110,937	89,454	40,591	48,863
50-54	331,963	238,172	118,299	119,873	93,791	42,658	51,133
55-59	338,734	243,810	119,663	124,147	94,924	42,828	52,096
60-64	306,358	223,810	107,892	115,918	82,548	36,716	45,832
65-69	271,310	207,490	98,468	109,022	63,820	28,135	35,685
70-74	193,359	154,382	71,136	83,246	38,977	16,697	22,280
75-79	138,956	112,541	49,617	62,924	26,415	10,549	15,866
80-84	94,173	76,534	31,907	44,627	17,639	6,213	11,426
85+	86,753	69,759	23,544	46,215	16,994	4,725	12,269

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

Appendix A

TECHNICAL NOTES

Sources of Data

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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. Birth, death, marriage and divorce certificates and fetal death and induced termination of pregnancy reports 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 hospital, the birth certificate is filed by that institution 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 facility, the birth certificate is filed by the parent or someone else aware of the facts of birth. Because the legal requirements for certified copies of births have increased, nearly 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 physician in charge of the care of the decedent for the illness or condition that resulted in death or by the county medical examiner or coroner. Registration of deaths is thought to be nearly 100 percent complete since the death certificate is needed by the next of kin for legal purposes. In addition, listings of deaths, which are independently prepared by funeral directors, coroners, hospitals, nursing homes and other institutions where deaths occur, are compared to certificates received to ensure that all deaths are filed.

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

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

DIVORCES. Divorce certificates are prepared by the petitioner or his or her legal representative and presented to the clerk of a court where divorces are granted. The court clerk completes the information certifying the divorce and forwards the certificate to CHS. While the law does require the divorce certificate to be filed before a divorce is granted, the filing of these records may not be as complete as other vital records since court procedures vary.

FETAL DEATHS. Reports of fetal death are required to be sent to 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 physician in attendance is responsible for filing the report. Since not all fetal deaths are medically attended, it is likely that there is some underreporting 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 84 percent of the deaths were submitted through the Electronic Death Registration System in 2016. This electronic system contains edits and consistency checks to verify data prior to being submitted. The remainder of the deaths are filed using paper certificates. These certificates are manually checked for accuracy and completeness. If data are incomplete or missing, the provider is queried and asked to verify the information provided or to furnish the correct data. Once these certificates are complete, they are keyed into a computer database by CHS staff.

Data for approximately 97 percent of the divorces are received electronically from the Administrative Office of Courts. The remainder of the divorces are filed using the paper certificate. These certificates are manually checked for accuracy and completeness. If data are incomplete or missing, the provider is queried and asked to verify the information provided or to furnish the correct data. Once these certificates are complete, they are keyed into a computer database by CHS staff.

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

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

RESIDENCE DATA

Unless specifically noted otherwise, data from vital events in this publication are reported according to the county or place of residence where the person, patient or decedent actually lived. Birth, fetal death and induced termination of pregnancy statistics are reported according to the mother's residence. Deaths are reported by the residence of the decedent. The exceptions are marriage and divorce data that are reported according to the county where the marriage license 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 physician in charge of the patient's care, the county coroner, or in a few counties, the medical examiner, is responsible for determining the cause of death.

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

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

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

TABULATION LISTS AND CAUSE OF DEATH RANKINGS. For dissemination and presentation of data, NCHS developed several tabulation lists which group causes of death codes into categories that are of public health interest and medical importance. The lists have increasing levels of detail or are for specific categories of death and are published in Part 9 of the NCHS Instruction Manual Series.³ Certain groups of causes on these lists are

¹ World Health Organization. "International Statistical Classification of Diseases and Related Health Problems, Tenth Revision." Geneva: World Health Organization, 1992.

² National Center for Health Statistics. "NCHS Instruction Manual, Part 2a, Vital Statistics, Instructions for Classifying the Underlying Cause of Death." Hyattsville, Maryland: Public Health Service, published annually.

³ National Center for Health Statistics, Centers for Disease Control and Prevention. "Instruction Manual Part 9, ICD-10 Cause-of-Death Lists for Tabulation Mortality Statistics, Effective 1999." Hyattsville, Maryland: October, 1997.

used for ranking causes of death to determine the leading causes of death. Starting with 1999 data, the list most widely used to identify and rank the leading causes of death in the United States is the *ICD-10 List of 113 Selected Causes of Death*. This list replaces the *ICD-9 List of 72 Selected Causes of Death* used from 1979 through 1998. A condensed list of selected causes was also developed to present cause of death data in Alabama.

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

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

HANDLING OF UNKNOWNNS

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

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

DATA TECHNIQUES

Data in this publication are generally presented as frequencies, rates, ratios and percentages. Frequency distributions tell how many times an event occurred for a particular

population. For purposes of comparison rates, ratios and percentages are provided to standardize the figures. A ratio is a comparison of two quantities and is generally expressed as a fraction. A rate is the number of items having a certain characteristic divided by the total number of items. Rates are generally expressed to a standard base of 100, 1,000 or 100,000. Percentages are rates standardized to a base of 100. Rounding errors may exist because of the estimation techniques.

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

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

SMALL NUMBER LIMITATIONS

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

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

DEFINITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Appendix B

Vital Statistics Formulas

Adequacy of Prenatal Care Utilization Index

Grams Conversion Table

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ALABAMA VITAL STATISTICS FORMULAS

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

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

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

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

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

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

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

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

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

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

ALABAMA VITAL STATISTICS FORMULAS (Continued)

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

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

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

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

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

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

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

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

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

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

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

ALABAMA VITAL STATISTICS FORMULAS (Continued)

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

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

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

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

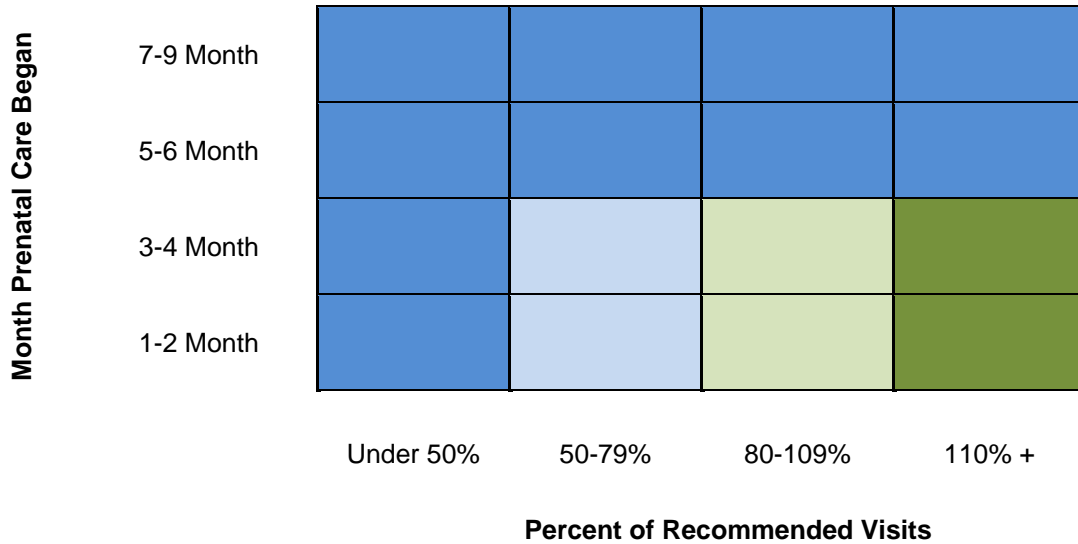
$$\text{TEENAGE PREGNANCY RATE} = \frac{\text{Number of Live Births to Females Aged 10-19} + \text{Number of Abortions to Females Aged 10-19} + \text{Estimated Total Fetal Losses to Females Aged 10-19}}{\text{Estimated Female Population Aged 10-19}} \times 1,000$$

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

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

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

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

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NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
Salmonella infections #	A01-A02
Shigellosis and amebiasis #	A03, A06
Certain other intestinal infections	A04, A07-A09
Tuberculosis#	A16-A19
Respiratory tuberculosis	A16
Other tuberculosis	A17-A19
Whooping cough #	A37
Scarlet fever and erysipelas #	A38, A46
Meningococcal infection #	A39
Septicemia #	A40-A41
Syphilis #	A50-A53
Acute poliomyelitis #	A80
Arthropod-borne viral encephalitis #	A83-A84, A85.2
Measles #	B05
Viral hepatitis #	B15-B19
Human immunodeficiency virus (HIV) disease #	B20-B24
Malaria #	B50-B54
Other and unspecified infectious and parasitic diseases	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
Malignant neoplasms #	C00-C97
Lip, oral cavity and pharynx	C00-C14
Esophagus	C15
Stomach	C16
Colon, rectum and anus	C18-C21
Liver and intrahepatic bile ducts	C22
Pancreas	C25
Larynx	C32
Trachea, bronchus and lung	C33-C34
Skin	C43
Breast	C50
Cervix uteri	C53
Corpus uteri and uterus, part unspecified	C54-C55
Ovary	C56
Prostate	C61
Kidney and renal pelvis	C64-C65
Bladder	C67
Meninges, brain and other parts of central nervous system	C70-C72
Lymphoid, hematopoietic and related tissue	C81-C96
Hodgkin's disease	C81
Non-Hodgkin's lymphoma	C82-C85
Leukemia	C91-C95
Multiple myeloma and immunoproliferative neoplasms	C88, C90
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96
All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior #	D00-D48
Anemias #	D50-D64
Diabetes mellitus #	E10-E14
Nutritional deficiencies #	E40-E64
Malnutrition	E40-E46
Other nutritional deficiencies	E50-E64

#Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
Meningitis #	G00, G03
Parkinson's disease #	G20-G21
Alzheimer's disease #	G30
Major cardiovascular diseases	I00-I78
Diseases of heart #	I00-I09, I11, I13, I20-I51
Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
Hypertensive heart disease	I11
Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
Acute myocardial infarction	I21-I22
Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
Atherosclerotic cardiovascular disease, so described	I25.0
All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
Acute and subacute endocarditis	I33
Diseases of pericardium and acute myocarditis	I30-I31, I40
Heart failure	I50
All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
Essential (primary) hypertension and hypertensive renal disease #	I10, I12
Cerebrovascular diseases #	I60-I69
Atherosclerosis #	I70
Other diseases of circulatory system	I71-I78
Aortic aneurysm and dissection #	I71
Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
Influenza and pneumonia #	J10-J18
Influenza	J10-J11
Pneumonia	J12-J18
Other acute lower respiratory infections	J20-J22
Acute bronchitis and bronchiolitis #	J20-J21
Unspecified acute lower respiratory infection	J22
Chronic lower respiratory diseases #	J40-J47
Bronchitis, chronic and unspecified	J40-J42
Emphysema	J43
Asthma	J45-J46
Other chronic lower respiratory diseases	J44, J47
Pneumoconioses and chemical effects #	J60-J66, J68
Pneumonitis due to solids and liquids #	J69
Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
Peptic ulcer #	K25-K28
Diseases of appendix #	K35-K38
Hernia #	K40-K46
Chronic liver disease and cirrhosis #	K70, K73-K74
Alcoholic liver disease	K70
Other chronic liver disease and cirrhosis	K73-K74
Cholelithiasis and other disorders of gallbladder #	K80-K82
Nephritis, nephrotic syndrome and nephrosis #	N00-N07, N17-N19, N25-N27
Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01, N04
Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
Renal failure	N17-N19
Other disorders of kidney	N25, N27
Infections of kidney #	N10-N12, N13.6, N15.1
Hyperplasia of prostate #	N40
Inflammatory diseases of female pelvic organs #	N70-N76
Pregnancy, childbirth and the puerperium #	O00-O99
Pregnancy with abortive outcome	O00-O07
Other complications of pregnancy, childbirth and the puerperium	O10-O99

#Eligible to be a leading cause of death

NCHS 113 SELECTED CAUSES OF DEATH

CAUSE OF DEATH	ICD-10 CODE
Certain conditions originating in the perinatal period #	P00-P96
Congenital malformations, deformations and chromosomal abnormalities #	Q00-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
All other diseases (residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.0-N13.5, N13.7-N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
Accidents (unintentional injuries) #	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99, Y85
Nontransport accidents	W00-X59, Y86
Falls	W00-W19
Accidental discharge of firearms	W32-W34
Accidental drowning and submersion	W65-W74
Accidental exposure to smoke, fire and flames	X00-X09
Accidental poisoning and exposure to noxious substances	X40-X49
Other and unspecified nontransport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
Intentional self-harm (suicide) #	X60-X84, Y87.0
Suicide by discharge of firearms	X72-X74
Suicide by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
Assault (homicide) #	X85-Y09, Y87.1
Homicide by discharge of firearms	X93-X95
Homicide by other and unspecified means and their sequelae	*U01.0-*U01.3, *U01.5-*U01.9, X85-X92, X96-Y09, Y87.1
Legal intervention	Y35, Y89.0
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9
Discharge of firearms, undetermined intent	Y22-Y24
Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
Operations of war and their sequelae #	Y36, Y89.1
Complications of medical and surgical care #	Y40-Y84, Y88

#Eligible to be a leading cause of death

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

CAUSE OF DEATH	ICD-10 CODE
Certain intestinal infectious diseases	A00-B99
Septicemia #	A40-A41
Viral diseases	A80-B34
Other and unspecified infectious and parasitic diseases	A00-A39, A42-A79, B35-B99
Malignant neoplasms #	C00-C97
In situ neoplasms, benign neoplasms and uncertain or unknown behavior #	D00-D48
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism #	D50-D89
Endocrine, nutritional and metabolic diseases	E00-E88
Volume depletion, disorders of fluid, electrolyte and acid-base balance #	E86-E87
Other endocrine, nutritional and metabolic diseases	E00-E85, E88
Diseases of the nervous system	G00-G98
Meningitis #	G00, G03
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) #	G12.0
Infantile cerebral palsy #	G80
Anoxic brain damage, not elsewhere classified #	G93.1
Other and unspecified infectious and parasitic diseases	G01-G02, G04-G11, G12.1-G12.9, G13-G79, G81-G92, G93.0, G93.2-G93.9, G94-G98
Diseases of the circulatory system #	I00-I99
Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
Cardiomyopathy	I42
Cardiac arrest	I46
Cerebrovascular diseases	I60-I69
Other diseases of the circulatory system	I00-I25, I29-I41, I43-I45, I47-I59, I70-I99
Diseases of the respiratory system	J00-J98
Influenza and pneumonia #	J09-J18
Acute bronchitis and acute bronchiolitis #	J20-J21
Other and unspecified diseases of the respiratory system	J00-J09, J19, J22-J98
Diseases of the digestive system	K00-K92
Gastritis, duodenitis, and noninfective enteritis and colitis #	K29, K50-K55
Hernia of abdominal cavity and intestinal obstruction without hernia #	K40-K46, K56
Other and unspecified diseases of digestive system	K00-K28, K30-K38, K57-K92
Diseases of the genitourinary system	N00-N98
Renal failure and other disorders of kidney #	N17-N19, N25, N27
Other and unspecified diseases of genitourinary system	N00-N16, N20-N23, N26, N28-N95
Certain conditions originating in the perinatal period	P00-P96
Newborn affected by maternal factors and complications of pregnancy, labor and delivery	P00-P04
Newborn affected by maternal hypertensive disorders #	P00.0
Newborn affected by other maternal conditions which may be unrelated to present pregnancy #	P00.1-P00.9
Newborn affected by maternal complications of pregnancy #	P01
Newborn affected by incompetent cervix	P01.0
Newborn affected by premature rupture of membranes	P01.1
Newborn affected by multiple pregnancy	P01.5
Newborn affected by other maternal complications of pregnancy	P01.2-P01.4, P01.6-P01.9
Newborn affected by complications of placenta, cord and membranes #	P02

#Eligible to be a leading cause of death

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

CAUSE OF DEATH	ICD-10 CODE
Newborn affected by complications involving placenta	P02.0-P02.3
Newborn affected by complications involving cord	P02.4-P02.6
Newborn affected by chorioamnionitis	P02.7
Newborn affected by other and unspecified abnormalities of membranes	P02.8-P02.9
Newborn affected by other complications of labor and delivery #	P03
Newborn affected by noxious influences transmitted via placenta or breast milk	P04
Disorders related to length of gestation and fetal malnutrition	P05-P08
Disorders related to short gestation and low birth weight, not elsewhere classified #	P07
Extremely low birth weight or extreme immaturity	P07.0, P07.2
Other low birth weight or preterm	P07.1, P07.3
Other disorders related to length of gestation and fetal malnutrition	P05 -P06, P08
Birth trauma #	P10-P15
Intrauterine hypoxia and birth asphyxia #	P20 -P21
Intrauterine hypoxia	P20
Birth asphyxia	P21
Respiratory distress of newborn #	P22
Other respiratory conditions originating in the perinatal period	P23-P28
Congenital pneumonia #	P23
Neonatal aspiration syndromes #	P24
Interstitial emphysema and related conditions originating in the perinatal period #	P25
Pulmonary hemorrhage originating in the perinatal period #	P26
Chronic respiratory disease originating in the perinatal period #	P27
Atelectasis #	P28.0-P28.1
All other respiratory conditions originating in the perinatal period	P28.2-P28.9
Infections specific to the perinatal period	P35 -P39
Bacterial sepsis of newborn	P36
All other infections specific to the perinatal period	P35, P37, P39
Hemorrhagic and hematological disorders of newborn	P50 -P61
Neonatal hemorrhage #	P50-P52, P54
Other hemorrhagic and hematological disorders of newborn	P53,P55 -P59
Hematological disorders #	P60-P61
Necrotizing enterocolitis of newborn #	P77
Hydrops fetalis not due to hemolytic disease #	P83.2
Other perinatal conditions	P29, P70.3-P70.9, P71-P76, P78-P81, P83.0-P83.1, P83.3-P83.9, P90-P96
Congenital malformations, deformations and chromosomal abnormalities #	Q00-Q99
Anencephaly and similar malformations	Q00
Congenital hydrocephalus	Q03
Spina bifida	Q05
Other congenital malformations of nervous system	Q01-Q02, Q04, Q06-Q07
Congenital malformations of heart	Q20-Q24
Other congenital malformations of circulatory system	Q25-Q28
Congenital malformations of respiratory system	Q30-Q34
Congenital malformations of digestive system	Q35-Q45

#Eligible to be a leading cause of death

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

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

#Eligible to be a leading cause of death