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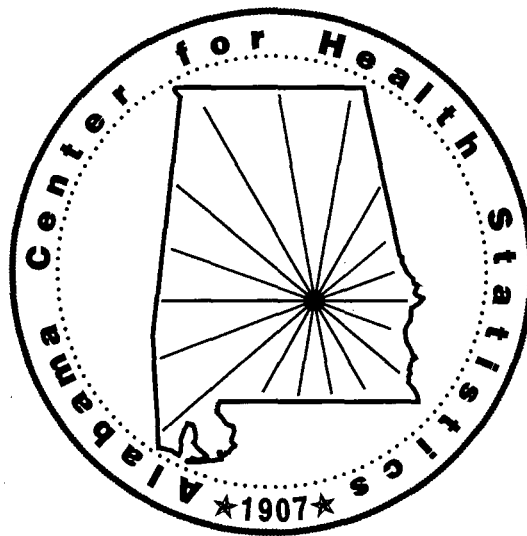
Alabama Department of Public Health

MORTALITY STATISTICS

ALABAMA
VITAL EVENTS

VOLUME II

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TABLE OF CONTENTS

		Page
Introduction		1
Mortality Highlights		3
Death Rate Trends		
Figure	1	Death Rates, Alabama and United States, 1950-1998
Figure	2	Age-Adjusted Death Rates, Alabama and United States, 1950-1998
Table	1	Deaths and Death Rates by Race, Alabama and United States, 1940-1998 . . .
Table	2	Age-Adjusted Death Rates by Race, Alabama and United States, 1950-1998 .
Figure	3	Life Expectancy at Birth, Alabama by Race and United States, 1950-1998
Deaths by County		
Table	3	Resident Deaths and Death Rates by County and Race, Alabama, 1998
Figure	4	Death Rates By County, Alabama, 1998
Table	4	Resident Deaths and Death Rates by County and Sex, Alabama, 1998
Table	5	Deaths and Age-Specific Death Rates by County, Alabama, 1998
Selected Causes of Death		
Table	6	Deaths and Death Rates by Race and Selected Causes of Death, Alabama, 1998
Table	7	Deaths and Death Rates by Sex and Selected Cause of Death, Alabama, 1998
Leading Causes of Death		
Table	8	Leading Causes of Death, Crude and Age-Adjusted Death Rates by Race and Sex, Alabama, 1998
Table	9	Leading Causes of Death and Death Rates by Race and Age Group, Alabama, 1998
Table	10	Leading Causes of Death by Age Group, Alabama, 1998
Demographics		
Table	11	Resident Deaths and Death Rates by Month of Occurrence, Alabama, 1996-1998
Figure	5	Resident Deaths by Month of Occurrence, Alabama, 1998
Table	12	Deaths and Death Rates by Age Group, Alabama, 1996-1998
Table	13	Deaths and Death Rates by Age Group and Race, Alabama, 1998
Table	14	Deaths to Residents of Selected Cities by Race, Alabama, 1998
Heart Disease		
Table	15	Heart Disease Deaths and Death Rates by Race and Total United States Rates, Alabama, 1960-1998
Table	16	Heart Disease Deaths and Death Rates by Age Group, Race and Sex, Alabama, 1998
Malignant Neoplasms		
Table	17	Malignant Neoplasm Deaths and Death Rates by Race and Total United States Rates, Alabama, 1960-1998
Table	18	Malignant Neoplasm Deaths and Death Rates by Primary Site and Sex, Alabama, 1998
Table	19	Malignant Neoplasm Deaths and Death Rates by Age Group and Sex, Alabama, 1998
Figure	6	Death Rates from Malignant Neoplasms by Primary Site and Sex, Alabama, 1998
Cerebrovascular Disease		
Table	20	Cerebrovascular Diseases Deaths with Death Rates by Race and Total United States Rates, Alabama, 1970-1998

Accidents

Table	21	Accidental Deaths with Death Rates by Race And Total United States Rates, Alabama, 1960-1998	30
Table	22	Accidental Deaths and Death Rates by Age Group and Race, Alabama, 1998	31
Figure	7	Leading Causes of Accidental Deaths, Alabama, 1998	31
Table	23	Accidental Deaths by Type of Accident and Age Group, Alabama, 1998	32
Table	24	Accidental Deaths by Type and Age Group, Occurrence Data, Alabama, 1998	33

Suicide and Homicide

Table	25	Suicide Deaths with Death Rates by Race and Total United States Rates, Alabama, 1960-1998	34
Table	26	Suicide Deaths by Race, Sex, and Age Group, Alabama, 1998	35
Table	27	Teenage Suicide Deaths by Race and Sex with Annual Rates, Alabama, 1960-1998	35
Table	28	Homicide Deaths with Death Rates by Race and Total United States Rates, Alabama, 1960-1998	36
Table	29	Homicide Deaths by Race, Sex, and Age Group, Alabama, 1998	37
Figure	8	Percent of Suicides and Homicides by Race and Sex, Alabama, 1998	37

Infant Mortality

Figure	9	Infant Mortality Rates, Alabama and United States, 1940-1998	38
Table	30	Infant Deaths and Infant Mortality Rates by Race, Alabama and United States, 1940-1998	39
Figure	10	Infant Mortality Rates by Race, Alabama, 1940-1998	40
Table	31	Infant Deaths and Infant Mortality Rates by County of Residence and Race of Infant, Alabama, 1998	41
Figure	11	Infant Mortality Rates by County, Alabama, 1998	42
Table	32	Infant Deaths and Infant Mortality Rates by Race of Infant and Cause of Death, Alabama, 1998	43
Table	33	Infant Deaths and Infant Mortality Rates by County of Residence and Age at Death, Alabama, 1998	44
Table	34	Infant Deaths and Infant Mortality Rates by Race and Age at Death, Alabama, 1998	45
Table	35	Infant Deaths and Infant Mortality Rates by Race of Infant and Age of Mother, Alabama, 1998	45
Table	36	Infant Deaths and Infant Mortality Rates by Weight at Birth and Race of Infant, Alabama, 1998	46
Figure	12	Infant Mortality Rates by Birth Weight, Alabama, 1998	46
Table	37	Infant Deaths and Infant Mortality Rates by Race, Sex and Plurality at Birth, Alabama, 1998	47
Figure	13	Infant Mortality Rates by Race, Sex and Plurality at Birth, Alabama, 1998 . . .	47
Table	38	Infant Deaths and Infant Mortality Rates by Marital Status, Age of Mother, and Race, Alabama, 1998	48
Table	39	Infant Deaths and Infant Mortality Rates by Live Birth Order, Alabama, 1998	49
Table	40	Infant Deaths and Infant Mortality Rates by Number of Prenatal Visits and Race of Infant, Alabama, 1998	49
Table	41	Infant Deaths and Infant Mortality Rates by Prenatal Care as Determined by the, Kessner Index, Alabama, 1998	50
Figure	14	Infant Mortality Rates by Prenatal Care as Determined by the Kessner Index, Alabama, 1998	50

Neonatal, Postneonatal, and Perinatal Mortality

Table 42	Neonatal Deaths and Neonatal Mortality Rates by Race, Alabama and United States, 1940-1998	51
Table 43	Postneonatal Deaths and Postneonatal Mortality Rates by Race, Alabama and United States, 1940-1998	52
Table 44	Neonatal and Postneonatal Deaths and Mortality Rates by County of Residence, Alabama, 1998	53
Table 45	Neonatal and Postneonatal Deaths and Mortality Rates by Cause of Death, Alabama, 1998	54
Table 46	Perinatal Deaths and Perinatal Mortality Rates by County of Residence and Race, Alabama, 1998	55

Maternal Mortality

Table 47	Maternal Deaths and Maternal Mortality Rates by Race and Age of Mother, Alabama, 1998	56
Figure 15	Maternal Mortality Rates, Alabama and United States, 1950-1998	56
Table 48	Maternal Deaths and Maternal Mortality Rates by Race, Alabama and United States, 1940-1998	57

Detailed Mortality by County

Table 49	Selected Causes of Death and Rates by County and Race, Alabama, 1998	
	Autauga, Baldwin County	58
	Barbour, Bibb County	59
	Blount, Bullock County	60
	Butler, Calhoun County	61
	Chambers, Cherokee County	62
	Chilton, Choctaw County	63
	Clarke, Clay County	64
	Cleburne, Coffee County	65
	Colbert, Conecuh County	66
	Coosa, Covington County	67
	Crenshaw, Cullman County	68
	Dale, Dallas County	69
	DeKalb, Elmore County	70
	Escambia, Etowah County	71
	Fayette, Franklin County	72
	Geneva, Greene County	73
	Hale, Henry County	74
	Houston, Jackson County	75
	Jefferson, Lamar County	76
	Lauderdale, Lawrence County	77
	Lee, Limestone County	78
	Lowndes, Macon County	79
	Madison, Marengo County	80
	Marion, Marshall County	81
	Mobile, Monroe County	82
	Montgomery, Morgan County	83
	Perry, Pickens County	84
	Pike, Randolph County	85
	Russell, St. Clair County	86
	Shelby, Sumter County	87
	Talladega, Tallapoosa County	88
	Tuscaloosa, Walker County	89
	Washington, Wilcox County	90
	Winston County	91

Appendix A	93
Estimated Population by County and Race, Alabama, 1998	94
Estimated Population by Race, Sex, and Age Group, Alabama, 1998	95
Appendix B	97
Technical Notes	98
Completeness of Data	98
Quality of Data	98
Cause of Death	98
Classification of Data by Place	98
Race	99
Handling of Unknowns	99
Statistical Rate Limitations	99
Definitions	99
Mortality Formulas	101
Tips on Using Vital Events Data	103
Information is Available by Residence or Occurrence	103
Using Totals or Rate/Ratios	103
Vital Events Reporting Limitations	103
Variations in Definitions	103
Small Number Limitations	104
Influences on Vital Statistics	104
Contributing Sources	105
Source of Data	105
Source Publications List	105
Alabama Certificate of Death	106
Publications Available from the Center for Health Statistics	107

INTRODUCTION

This "Mortality Statistics" publication is Volume II of four volumes of Alabama Vital Events. It replaces the previous "Mortality" section of the Alabama Vital Events publication produced annually from 1972-1993. In 1994, this publication was divided into four volumes: Volume I, Pregnancy Statistics; Volume II, Mortality Statistics; Volume III, Marriage and Divorce Statistics; and Volume IV, County Profiles. A subsection on cerebrovascular diseases was added to the mortality volume and the fetal death subsection was relocated to "Volume I, Pregnancy Statistics."

Mortality data are valuable for analyzing health status among sub-populations such as counties, age groups, racial groups and gender. Sections relating specifically to diseases of the heart, malignant neoplasms (cancer), cerebrovascular diseases, accidents, suicides, homicides, infant mortality, and maternal mortality are included. Selected tables furnish historical data covering several decades.

Designed to provide information on the most frequently requested mortality topics, new information was added and several tables were deleted or combined to enhance the publication in 1996. A new table provides deaths and death rates by sex and selected causes of death. The infant mortality section was expanded to include infant deaths by plurality at birth, number of prenatal visits and adequacy of prenatal care.

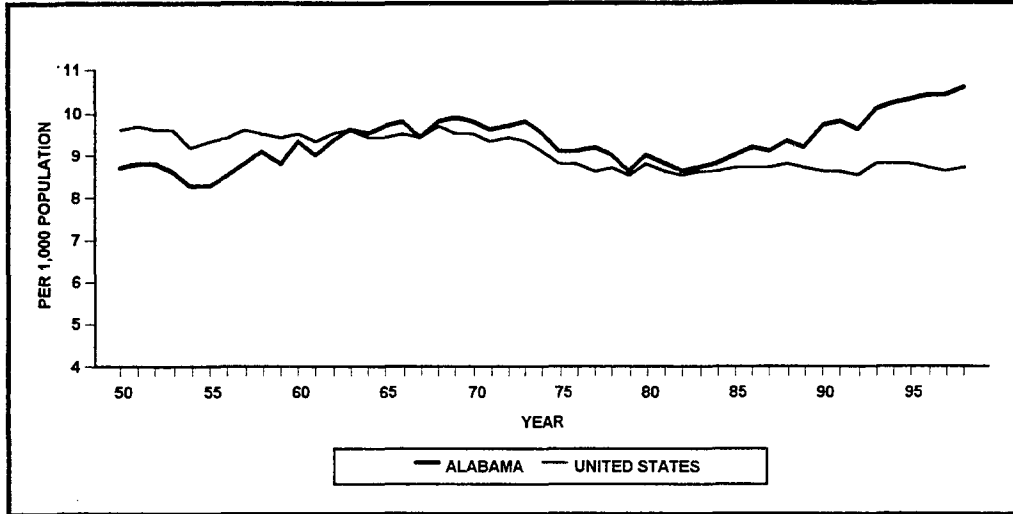
The 1998 publication graphically depicts mortality changes over time for Alabama and for the United States with both crude and age-adjusted death rates. The addition of age-adjusted rates controls for the effect of changes in the age distributions of the population when comparing death rates over time and between groups. Alabama's age-adjusted death rate has slowly decreased over time, paralleling national trends.

The addition of a life expectancy graph also shows the impressive improvement in longevity in Alabama by race. A fifth volume of *Alabama Vital Events, Life Expectancy* is published every fifth year and is available for 1991 to 1995.

1998 Mortality Highlights

- For the sixth straight year, the number of deaths to Alabama residents (43,905) increased. The death rate rose two tenths to an all-time record-high of 10.6 per 1,000 population.
- The number and rate for white deaths also were record highs with 32,987 and 10.8, respectively.
- There were 10,918 deaths to black and other races in 1998. The death rate for black and other (9.9 in 1998) has been relatively stable for the past 20 years.
- Heart disease remained the leading cause of death in 1998 with 13,449 deaths and a cause-specific rate of 323.7 per 100,000.
- Cancer deaths in Alabama continue to increase with 1998 rates nearly double the 1960 rates. Both the number (9,687) and rate (233.1) were record-highs in 1998.
- For black and other race Alabamians, the cancer death rate of 205.5 was lower than the white rate of 243.1.
- For men, bronchus and lung cancer was the leading type of cancer death with a rate of 95.1, followed by prostate cancer with a rate of 31.6.
- For women, bronchus and lung was also the leading type of cancer death followed by breast cancer. For 11 years, the breast cancer death rate for women has remained fairly constant (30.7 in 1988 and 30.0 in 1998). However, the lung cancer rate for women has increased 50.6 percent in 11 years from 31.4 in 1988 to 47.3 in 1998.
- For all Alabamians the third leading cause of death was cerebrovascular diseases.
- The black and other cerebrovascular diseases rate (72.5) was nearly the same as the white rate (70.0). Overall in 1998, deaths from cerebrovascular diseases increased by 14 and the rate rose 0.1 percent.
- The suicide death rate has slowly, but steadily, increased for the past 40 years with the highest rates occurring in the 1990s. Suicide deaths increased again in 1998, with a rate of 13.6.
- Suicide deaths increased for all age groups, except those 70 and older.
- For white residents, the number and the rate of suicides increased while the rate for black and other declined slightly.
- Homicides to black and other males dropped from 283 in 1997 to 207 in 1998.
- Deaths from human immunodeficiency virus (HIV) infection decreased 12.1 percent from 199 in 1997 to 175 in 1998.
- Infant deaths increased in 1998 to 632. There were 14 more white and 39 more black and other infants who died in 1998. The rate was 10.2 per 1,000 births.
- Disorders relating to short gestation and unspecified low birth weight and congenital anomalies were tied for the leading cause of infant deaths with 116 deaths each.

**FIGURE 1
DEATH RATES
ALABAMA AND UNITED STATES, 1950-1998**



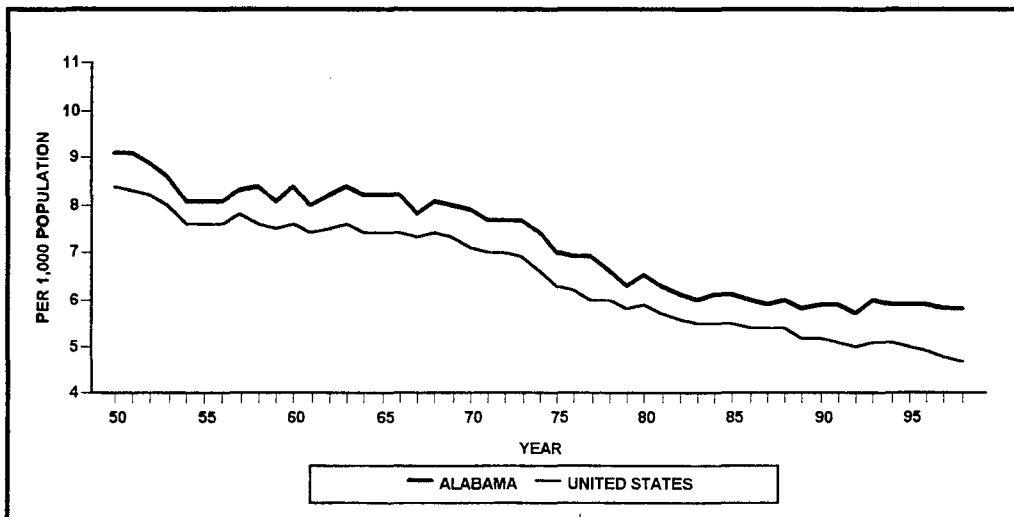
A crude rate is the number of deaths divided by the population at risk and then multiplied by a constant so that the result is not a fraction. For the population at risk, this publication uses population *projections* which are created by projecting forward from the 1990 census. The further in time from the census baseline, the less accurate the projections and associated rates become. Since Alabama projections for the 1990s are believed to be low, the crude death rate in the latter part of this decade may be too high.

The National Center for Health Statistics calculates crude rates using population *estimates* which are calculated in retrospect and may more accurately reflect the population denominator and thus the U.S. crude rate.

When comparing the risk of death to another area or to the United States as a whole, it is important to control for differences in the age compositions among the areas. An age-adjusted rate is the death rate that a study population would have if it had the same age distribution as a selected standard population, in this case the U.S. 1940 standard million.

Age-adjusted rates are used strictly for comparison and do not have a real-world translation. Figure 2 demonstrates the age-adjusted death rate for Alabama in comparison to the U.S. Because both the U.S. and Alabama use the same standardized denominator, the spike in the Alabama crude rate seen in Figure 1 is reduced in Figure 2.

**FIGURE 2
AGE-ADJUSTED DEATH RATES
ALABAMA AND UNITED STATES, 1950-1998**



**TABLE 1
DEATHS AND DEATH RATES¹ BY RACE
ALABAMA AND UNITED STATES, 1940-1998**

YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE
	NUMBER	RATE		NUMBER	RATE		NUMBER	RATE	
1940	29,588	10.4	10.8	15,701	8.5	10.4	13,887	14.1	13.8
1941	28,803	10.1	10.5	15,496	8.3	10.2	13,307	13.4	13.5
1942	26,291	9.1	10.3	14,242	7.5	10.1	12,049	12.1	12.7
1943	26,408	9.2	10.9	14,649	7.7	10.7	11,831	11.8	12.8
1944	26,065	9.0	10.6	14,613	7.7	10.4	11,452	11.5	12.4
1945	25,368	8.5	10.6	14,548	7.4	10.4	10,820	10.7	11.9
1946	24,491	8.2	10.0	14,148	7.1	9.8	10,343	10.1	11.1
1947	26,074	8.7	10.1	15,127	7.5	9.9	10,947	11.1	11.4
1948	26,464	8.8	9.9	15,398	7.6	9.7	11,066	11.2	11.4
1949	26,609	8.7	9.7	15,240	7.4	9.5	11,369	11.6	11.2
1950	26,753	8.7	9.6	15,515	7.4	9.5	11,238	11.4	11.2
1951	27,336	8.8	9.7	15,926	7.6	9.5	11,410	11.5	11.1
1952	27,210	8.8	9.6	15,927	7.5	9.4	11,283	11.5	11.0
1953	27,051	8.6	9.6	15,957	7.4	9.4	11,094	11.3	10.8
1954	26,157	8.3	9.2	15,710	7.3	9.1	10,447	10.6	10.1
1955	26,419	8.3	9.3	16,082	7.4	9.2	10,337	10.5	10.0
1956	27,200	8.5	9.4	16,816	7.6	9.3	10,384	10.6	10.1
1957	28,396	8.8	9.6	17,569	7.9	9.5	10,827	11.0	10.5
1958	29,513	9.1	9.5	18,105	8.0	9.4	11,408	11.6	10.3
1959	28,692	8.8	9.4	17,846	7.9	9.3	10,846	11.0	9.9
1960	30,304	9.3	9.5	18,988	8.3	9.5	11,316	11.5	10.1
1961	29,738	9.0	9.3	18,897	8.2	9.3	10,841	11.1	9.6
1962	30,813	9.3	9.5	19,667	8.4	9.4	11,146	11.5	9.8
1963	32,016	9.6	9.6	20,481	8.7	9.5	11,535	12.0	10.1
1964	31,739	9.5	9.4	20,701	8.7	9.4	11,038	11.6	9.7
1965	32,520	9.7	9.4	21,260	8.8	9.4	11,260	11.9	9.7
1966	33,008	9.8	9.5	21,795	8.9	9.5	11,213	12.0	9.7
1967	31,915	9.4	9.4	21,467	8.7	9.4	10,448	11.2	9.4
1968	33,532	9.8	9.7	22,588	9.1	9.6	10,944	11.9	9.9
1969	33,830	9.9	9.5	22,916	9.1	9.5	10,914	11.9	9.6
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	8.8	30,397	10.1	9.1	10,835	10.1	7.4
1994	41,631	10.2	8.8	30,794	10.2	9.1	10,837	10.0	7.3
1995	42,321	10.3	8.8	31,317	10.3	9.1	11,004	10.1	7.3
1996	42,806	10.4	8.7	31,918	10.5	9.1	10,888	10.0	7.1
1997	43,208	10.4	8.6	32,370	10.6	9.0	10,838	9.9	6.9
1998	43,905	10.6	8.7	32,987	10.8	9.1	10,918	9.9	6.7

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

TABLE 2
AGE-ADJUSTED DEATH RATES¹ BY RACE
ALABAMA AND UNITED STATES, 1950-1998

YEAR	ALABAMA			UNITED STATES		
	TOTAL	WHITE	BLACK & OTHER	TOTAL	WHITE	BLACK & OTHER
1950	9.1	7.7	12.5	8.4	8.0	12.3
1951	9.1	7.6	12.7	8.3	7.9	11.9
1952	8.9	7.4	12.4	8.2	7.8	11.7
1953	8.6	7.2	12.0	8.0	7.7	11.4
1954	8.1	6.9	11.2	7.6	7.3	10.6
1955	8.1	7.2	11.0	7.6	7.3	10.4
1956	8.1	7.2	10.6	7.6	7.3	10.5
1957	8.3	7.2	11.2	7.8	7.4	10.8
1958	8.4	7.2	11.6	7.6	7.3	10.6
1959	8.1	6.9	11.0	7.5	7.2	10.3
1960	8.4	7.2	11.4	7.6	7.3	10.5
1961	8.0	7.0	10.9	7.4	7.0	10.0
1962	8.2	7.1	11.1	7.5	7.1	10.2
1963	8.4	7.2	11.4	7.6	7.2	10.5
1964	8.2	7.2	10.9	7.4	7.1	10.2
1965	8.2	7.2	11.2	7.4	7.0	10.1
1966	8.2	7.2	11.1	7.4	7.1	10.2
1967	7.8	7.0	10.4	7.3	6.9	9.9
1968	8.1	7.2	10.8	7.4	7.1	10.5
1969	8.0	7.2	10.8	7.3	6.9	10.2
1970	7.9	7.1	10.4	7.1	6.8	9.8
1971	7.7	7.0	10.0	7.0	6.6	9.6
1972	7.7	7.0	10.0	7.0	6.6	9.6
1973	7.7	6.9	10.0	6.9	6.5	9.4
1974	7.4	6.8	9.4	6.6	6.3	8.9
1975	7.0	6.4	8.9	6.3	6.0	8.4
1976	6.9	6.3	9.0	6.2	5.9	8.2
1977	6.9	6.3	8.9	6.0	5.8	8.0
1978	6.6	6.1	8.5	6.0	5.7	7.8
1979	6.3	5.7	8.2	5.8	5.5	7.6
1980	6.5	5.9	8.5	5.9	5.6	7.7
1981	6.3	5.8	8.0	5.7	5.4	7.3
1982	6.1	5.6	7.6	5.6	5.3	7.0
1983	6.0	5.6	7.7	5.5	5.3	7.0
1984	6.1	5.6	7.7	5.5	5.2	7.0
1985	6.1	5.6	7.9	5.5	5.2	7.0
1986	6.0	5.6	7.7	5.4	5.2	6.9
1987	5.9	5.4	7.5	5.4	5.1	6.9
1988	6.0	5.4	7.8	5.4	5.1	6.9
1989	5.8	5.3	7.5	5.2	5.0	6.8
1990	5.9	5.3	7.8	5.2	4.9	6.9
1991	5.9	5.4	7.8	5.1	4.9	6.7
1992	5.7	5.2	7.7	5.0	4.8	6.6
1993	6.0	5.4	8.0	5.1	4.9	6.7
1994	5.9	5.3	7.9	5.1	4.8	6.6
1995	5.9	5.4	7.9	5.0	4.8	6.6
1996	5.9	5.4	7.8	4.9	4.7	6.3
1997	5.8	5.3	7.7	4.8	4.6	6.0
1998	5.8	5.3	7.6	4.7	4.5	— ²

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

² Unavailable.

LIFE EXPECTANCY

As defined by the National Center for Health Statistics, life expectancy at birth is "the average number of years that a group of infants would live if the infants were to experience throughout life the age-specific death rates present at birth¹." There has been an upward trend nationally in life expectancy during the 20th century. Life expectancy for an infant born in 1900 was 47.3 years. For infants born in the U.S. in 1998 the life expectancy was 76.7 years, an increase of 62.2 percent.

For infants born in Alabama in 1998 the overall life expectancy was somewhat less, 74.0 years. The widest gap between Alabama and the U.S. was for white males, 72.0 years for Alabama compared to 74.6

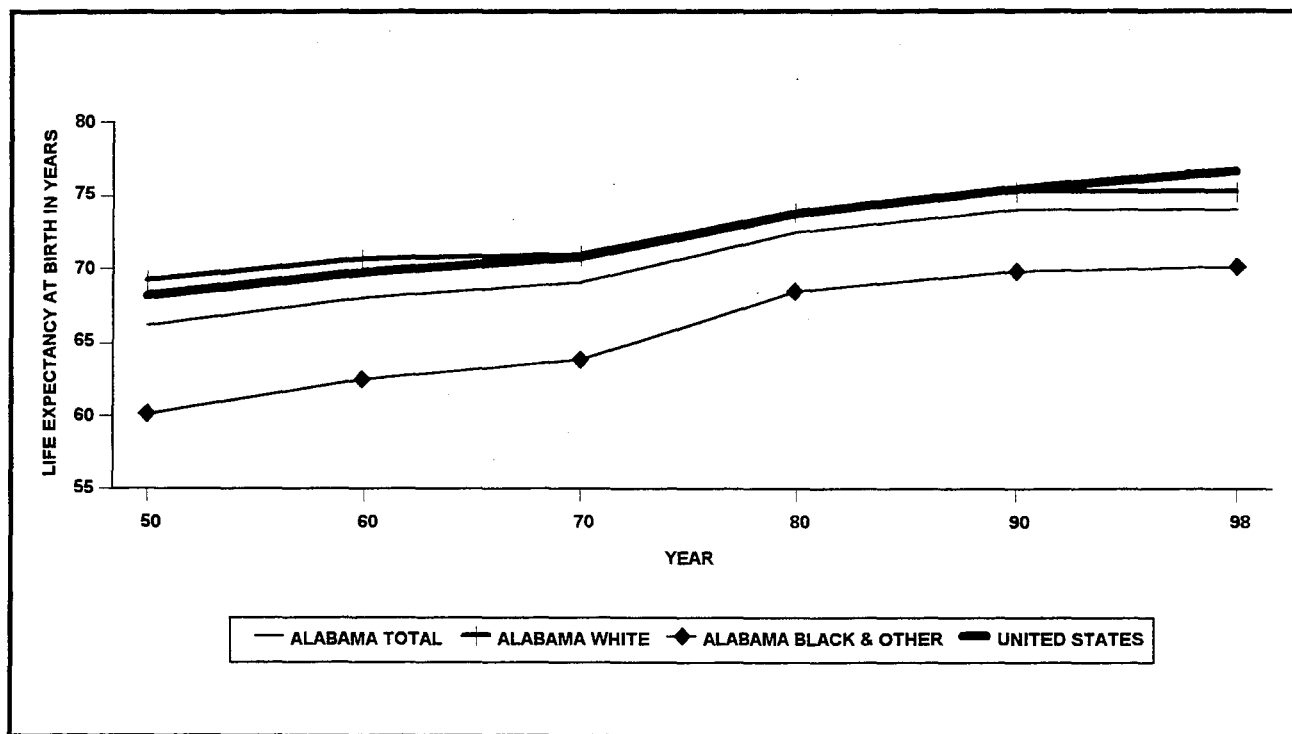
The greatest gains in Alabama life expectancy from 1950 to 1998 were for black and other races—female life expectancy increased 19.3 percent,

from 62.2 years to 74.2 years and male life expectancy increased 13.3 percent, from 58.1 years to 65.8 years.

In 1998 life expectancy in Alabama differed by almost seven years between males (70.5 years) and females (77.4 years). From 1950 to 1990, life expectancy increased 9.9 percent for males compared to 12.9 percent for females. There were negligible changes in life expectancy in Alabama from 1990 to 1998 for any race and sex grouping. For Alabamians born in 1998, the life expectancy was 78.5 years for white females, 74.2 years for black and other race females, 72.0 years for white males and 65.8 years for black and other race males.

These and other life expectancy data are published every five years. Instructions for ordering *Alabama Vital Events Life Expectancy 1991 - 1995* are found on page 108.

**FIGURE 3
LIFE EXPECTANCY AT BIRTH
ALABAMA BY RACE AND UNITED STATES, 1950-1998**



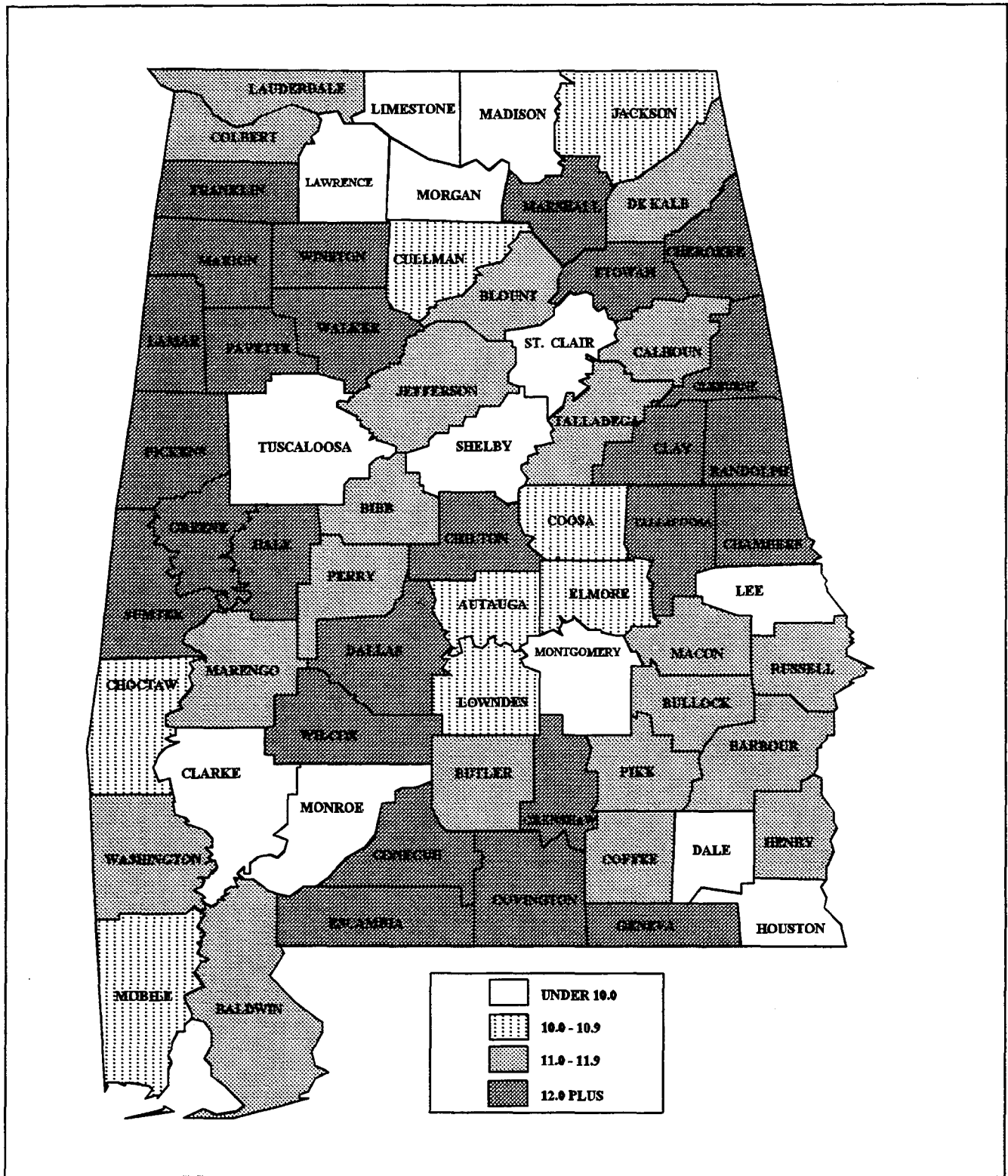
¹ *Vital Statistics of the United States, 1989, Life Tables Volume II, Section 6, U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, Hyattsville, Maryland, December, 1992.*

TABLE 3
RESIDENT DEATHS AND DEATH RATES¹
BY COUNTY AND RACE
ALABAMA, 1998

AREA	TOTAL		WHITE		BLACK & OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALABAMA	43,905	10.6	32,987	10.8	10,918	9.9
Autauga	372	10.4	291	10.0	81	11.9
Baldwin	1,309	11.5	1,177	11.8	132	9.2
Barbour	283	11.0	168	11.8	115	10.0
Bibb	192	11.1	150	10.8	42	12.2
Blount	474	11.5	469	11.5	5	7.0*
Bullock	129	11.5	40	15.0	89	10.5
Butler	249	11.6	168	13.4	81	9.0
Calhoun	1,266	11.1	1,036	11.4	230	9.7
Chambers	445	12.6	319	14.2	126	9.7
Cherokee	253	12.7	233	12.5	20	15.9
Chilton	409	12.0	370	12.3	39	10.1
Choctaw	164	10.6	98	11.5	66	9.5
Clarke	267	9.9	163	10.6	104	8.9
Clay	167	12.9	145	13.5	22	10.3
Cleburne	158	12.3	148	12.1	10	16.4*
Coffee	479	11.5	399	11.9	80	10.0
Colbert	563	11.4	468	11.4	95	11.2
Conecuh	181	13.9	109	15.0	72	12.5
Coosa	119	10.9	83	11.7	36	9.4
Covington	481	13.4	423	13.6	58	11.9
Crenshaw	202	15.3	152	15.6	50	14.4
Cullman	760	10.6	753	10.6	7	7.9*
Dale	410	8.1	343	8.7	67	6.3
Dallas	593	13.4	272	15.7	321	12.0
DeKalb	659	11.8	644	12.0	15	7.4
Elmore	539	10.1	449	10.8	90	7.5
Escambia	435	13.0	295	12.8	140	13.5
Etowah	1,304	13.5	1,139	13.9	165	11.0
Fayette	247	14.2	220	14.5	27	12.6
Franklin	357	13.1	339	13.1	18	13.0
Geneva	324	14.0	283	14.0	41	14.2
Greene	120	12.4	29	16.9	91	11.5
Hale	196	12.7	85	13.1	111	12.5
Henry	169	11.0	120	11.7	49	9.4
Houston	840	9.7	650	10.1	190	8.7
Jackson	495	10.9	477	11.4	18	4.9
Jefferson	7,300	11.5	4,661	11.8	2,639	11.0
Lamar	192	12.7	178	13.4	14	7.5
Lauderdale	865	11.0	784	11.2	81	10.0
Lawrence	316	9.6	283	11.5	33	3.9
Lee	688	7.3	470	6.8	218	9.0
Limestone	554	9.2	503	9.5	51	6.8
Lowndes	133	10.8	43	13.8	90	9.8
Macon	266	11.3	55	17.6	211	10.4
Madison	2,067	7.5	1,664	7.9	403	6.3
Marengo	249	11.4	109	9.9	140	13.0
Marion	362	12.3	347	12.3	15	12.0
Marshall	898	12.1	886	12.2	12	7.4
Mobile	3,902	10.1	2,618	10.1	1,284	10.0
Monroe	247	9.9	142	9.2	105	11.0
Montgomery	2,052	9.4	1,197	10.0	855	8.6
Morgan	1,014	9.4	894	9.4	120	9.5
Perry	130	11.6	39	11.0	91	11.9
Pickens	245	12.1	159	13.6	86	10.1
Pike	298	11.0	188	10.8	110	11.5
Randolph	261	13.2	206	13.6	55	11.9
Russell	543	11.8	350	12.4	193	10.9
St. Clair	557	9.9	516	10.0	41	8.2
Shelby	802	6.3	714	6.1	88	8.9
Sumter	193	12.5	62	14.6	131	11.7
Talladega	820	11.1	607	12.0	213	9.1
Tallapoosa	504	12.8	395	13.7	109	10.5
Tuscaloosa	1,357	8.5	965	8.3	392	9.0
Walker	851	12.7	785	12.6	66	15.0
Washington	186	11.2	130	12.1	56	9.5
Wilcox	168	13.4	57	14.7	111	12.8
Winston	275	12.5	273	12.5	2	13.2*

¹Rate is per 1,000 population. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers or which are based on small populations. Rates which apply to populations of less than 1,000 are denoted by an "*".

FIGURE 4
 DEATH RATES BY COUNTY
 ALABAMA, 1998



RESIDENT DEATHS AND DEATH RATES¹
BY COUNTY AND SEX
ALABAMA, 1998

AREA	TOTAL		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALABAMA	43,905	10.6	22,020	11.1	21,885	10.1
Autauga	372	10.4	189	10.9	183	9.9
Baldwin	1,309	11.5	661	12.0	648	11.0
Barbour	283	11.0	139	11.4	144	10.6
Bibb	192	11.1	98	11.5	94	10.7
Blount	474	11.5	254	12.7	220	10.3
Bullock	129	11.5	68	12.5	61	10.6
Butler	249	11.6	136	13.6	113	9.8
Calhoun	1,266	11.1	647	11.7	619	10.5
Chambers	445	12.6	230	13.7	215	11.5
Cherokee	253	12.7	121	12.3	132	13.0
Chilton	409	12.0	220	13.3	189	10.8
Choctaw	164	10.6	85	11.8	79	9.6
Clarke	267	9.9	137	10.6	130	9.2
Clay	167	12.9	79	12.9	88	13.0
Cleburne	158	12.3	83	13.0	75	11.6
Coffee	479	11.5	243	11.9	236	11.1
Colbert	563	11.4	274	11.6	289	11.2
Conecuh	181	13.9	87	14.1	94	13.7
Coosa	119	10.9	64	11.9	55	10.0
Covington	481	13.4	243	14.3	238	12.6
Crenshaw	202	15.3	93	14.9	109	15.6
Cullman	760	10.6	393	11.2	367	10.0
Dale	410	8.1	206	8.2	204	8.1
Dallas	593	13.4	284	14.3	309	12.7
DeKalb	659	11.8	333	12.4	326	11.3
Elmore	539	10.1	270	10.0	269	10.2
Escambia	435	13.0	214	13.1	221	12.9
Etowah	1,304	13.5	669	14.7	635	12.4
Fayette	247	14.2	132	16.0	115	12.7
Franklin	357	13.1	178	13.7	179	12.5
Geneva	324	14.0	171	15.4	153	12.8
Greene	120	12.4	62	14.2	58	11.0
Hale	196	12.7	88	12.4	108	13.0
Henry	169	11.0	85	11.7	84	10.3
Houston	840	9.7	396	9.7	444	9.7
Jackson	495	10.9	266	12.2	229	9.7
Jefferson	7,300	11.5	3,465	11.7	3,835	11.3
Lamar	192	12.7	107	15.0	85	10.7
Lauderdale	865	11.0	443	11.9	422	10.3
Lawrence	316	9.6	155	9.5	161	9.6
Lee	688	7.3	345	7.5	343	7.2
Limestone	554	9.2	291	9.6	263	8.8
Lowndes	133	10.8	67	12.0	66	9.8
Macon	266	11.3	140	13.2	126	9.8
Madison	2,067	7.5	1,027	7.5	1,040	7.5
Marengo	249	11.4	117	11.4	132	11.4
Marion	362	12.3	200	13.8	162	10.9
Marshall	898	12.1	483	13.6	415	10.6
Mobile	3,902	10.1	1,943	10.7	1,959	9.6
Monroe	247	9.9	122	10.1	125	9.7
Montgomery	2,052	9.4	1,009	9.7	1,043	9.0
Morgan	1,014	9.4	513	9.7	501	9.1
Perry	130	11.6	67	13.0	63	10.5
Pickens	245	12.1	121	13.0	124	11.4
Pike	298	11.0	156	12.2	142	10.0
Randolph	261	13.2	147	15.3	114	11.3
Russell	543	11.8	279	12.7	264	11.0
St. Clair	557	9.9	273	9.7	284	10.1
Shelby	802	6.3	412	6.6	390	6.0
Sumter	193	12.5	98	13.9	95	11.3
Talladega	820	11.1	424	11.8	396	10.4
Tallapoosa	504	12.8	254	13.9	250	11.9
Tuscaloosa	1,357	8.5	701	9.1	656	7.9
Walker	851	12.7	419	13.1	432	12.4
Washington	186	11.2	100	12.3	86	10.1
Wilcox	168	13.4	98	17.1	70	10.2
Winston	275	12.5	146	13.6	129	11.4

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

TABLE 5
DEATHS AND AGE-SPECIFIC DEATH RATES¹ BY COUNTY
ALABAMA, 1998

AREA	TOTAL	AGE GROUPS										AGE NOT STATED
		UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
ALABAMA	43,905	632	118	166	700	936	1,767	3,074	4,923	9,107	22,482	0
	10.6	10.4	0.5	0.3	1.2	1.7	2.8	5.7	13.1	29.2	88.9	
Autauga	372	5	1	0	5	8	19	35	46	86	167	0
	10.4	8.7*	0.4	0.0	1.0	1.9	3.2	7.6	14.1	38.7	104.6	
Baldwin	1,309	17	2	6	21	26	47	68	127	303	692	0
	11.5	11.8	0.3	0.4	1.4	2.1	2.7	4.4	10.7	26.7	79.0	
Barbour	283	5	1	0	8	4	11	22	29	60	143	0
	11.0	12.3*	0.6	0.0	2.1	1.3	2.9	6.6	13.9	31.6	84.7	
Bibb	192	4	0	0	4	8	6	17	29	27	97	0
	11.1	15.7*	0.0	0.0	1.5	3.5	2.4	7.5	19.0	23.3	101.6*	
Blount	474	8	1	1	5	5	20	35	47	98	254	0
	11.5	14.4*	0.4	0.2	0.9	0.9	3.2	6.2	11.1	31.5	105.4	
Bullock	129	1	1	0	2	5	9	9	15	25	62	0
	11.5	5.0*	1.2*	0.0	1.2	3.7	5.8	7.7	17.7*	33.8*	70.3*	
Butler	249	2	2	0	8	5	12	13	32	51	124	0
	11.6	6.4*	1.6	0.0	2.4	2.3	3.9	5.1	17.5	29.4	67.9	
Calhoun	1,266	23	3	5	28	17	44	95	158	243	650	0
	11.1	14.4	0.5	0.3	1.5	1.1	2.6	6.4	15.2	27.5	97.3	
Chambers	445	2	1	0	3	10	14	27	42	97	249	0
	12.6	3.7*	0.5	0.0	0.6	2.3	2.9	6.1	12.8	33.3	84.9	
Cherokee	253	2	1	1	7	3	12	15	30	52	130	0
	12.7	8.9*	1.1*	0.4	2.6	1.2	4.2	5.4	13.2	27.0	93.7	
Chilton	409	6	1	2	13	15	14	22	52	78	206	0
	12.0	13.0*	0.5	0.4	2.7	3.5	2.8	4.9	15.4	29.5	91.6	
Choctaw	164	0	0	0	6	6	3	13	21	27	88	0
	10.6	0.0	0.0	0.0	2.6	3.6	1.4	6.4	13.6	22.1	85.4	
Clarke	267	6	0	4	8	5	7	15	28	40	154	0
	9.9	13.3*	0.0	1.0	1.9	1.6	1.9	4.6	10.8	20.8	92.8	
Clay	167	3	0	0	1	0	3	14	9	36	101	0
	12.9	19.4*	0.0	0.0	0.6	0.0	1.7	8.3	6.6	31.1	80.5	
Cleburne	158	1	1	0	1	5	3	11	21	35	80	0
	12.3	5.8*	1.5*	0.0	0.6	2.9	1.6	6.5	16.2	34.2	103.8*	
Coffee	479	4	1	1	3	13	17	34	47	104	255	0
	11.5	6.8*	0.4	0.2	0.5	2.3	2.7	6.1	11.6	32.2	93.4*	

¹Rate is per 1,000 population in specific group. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers or which are based on small populations. Rates which apply to populations of less than 1,000 are denoted by an "**".

TABLE 5-continued
DEATHS AND AGE-SPECIFIC DEATH RATES¹ BY COUNTY
ALABAMA, 1998

AREA	TOTAL	AGE GROUPS										AGE NOT STATED
		UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
Colbert	563	5	0	0	6	9	25	47	59	127	285	0
	11.4	7.6*	0.0	0.0	1.0	1.5	3.5	7.0	11.0	28.0	81.8	
Conecuh	181	1	0	1	1	3	11	15	22	33	94*	0
	13.9	4.4*	0.0	0.5	0.5	2.4	6.3	9.3	18.6	27.1	92.2	
Coosa	119	0	0	0	5	0	7	3	13	22	69	0
	10.9	0.0	0.0	0.0	3.4	0.0	4.4	2.2	12.0	23.8*	108.7*	
Covington	481	5	3	3	5	5	18	24	57	105	256	0
	13.4	10.0*	1.5	0.6	1.0	1.2	3.5	5.2	15.7	32.7	90.6	
Crenshaw	202	0	0	0	1	4	7	15	20	36	119	0
	15.3	0.0	0.0	0.0	0.5	2.8	3.9	8.8	16.1	29.0	102.1	
Cullman	760	10	0	2	9	16	28	43	104	152	396	0
	10.6	11.0*	0.0	0.2	0.9	1.7	2.6	4.5	14.6	25.1	78.7	
Dale	410	14	1	1	5	12	7	21	52	81	216	0
	8.1	18.7*	0.3	0.1	0.6	1.4	1.0	3.8	13.2	26.4	95.3	
Dallas	593	9	1	4	8	13	15	59	73	112	299	0
	13.4	10.8*	0.3	0.5	1.1	3.0	2.6	11.8	19.5	33.2	105.1	
DeKalb	659	4	1	1	9	15	20	46	71	138	354	0
	11.8	5.2*	0.3	0.1	1.2	2.1	2.4	6.1	12.8	30.2	93.8	
Elmore	539	11	2	3	6	17	18	40	56	109	277	0
	10.1	13.9*	0.6	0.4	0.8	2.2	2.1	5.7	11.2	31.3	102.3	
Escambia	435	8	2	0	5	13	18	29	52	84	224	0
	13.0	16.1*	1.0	0.0	1.0	3.2	3.8	6.8	15.4	31.0	100.2	
Etowah	1,304	10	0	2	18	22	42	76	138	301	695	0
	13.5	8.1	0.0	0.2	1.3	1.9	3.0	5.7	14.2	33.7	93.3	
Fayette	247	2	0	1	3	8	9	15	25	51	133	0
	14.2	8.6*	0.0	0.4	1.2	4.0	3.7	6.5	14.2	35.7	95.5	
Franklin	357	1	2	3	4	6	8	15	45	83	190	0
	13.1	2.7*	1.4	0.8	1.1	1.8	2.1	4.2	15.4	33.5	92.7	
Geneva	324	5	1	3	3	3	14	16	28	63	188	0
	14.0	16.2*	0.8	1.0	1.0	1.1	4.4	5.3	11.2	29.2	97.3	
Greene	120	2	0	5	2	3	4	7	17	25	55	0
	12.4	10.4*	0.0	2.9	1.3	3.6*	3.0	6.7*	21.8*	33.3*	77.7*	
Hale	196	0	0	1	5	4	6	16	18	33	113	0
	12.7	0.0	0.0	0.4	2.0	2.7	2.7	9.4	14.4	27.8	96.3	

¹Rate is per 1,000 population in specific group. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers or which are based on small populations. Rates which apply to populations of less than 1,000 are denoted by an "**".

TABLE 5—continued
DEATHS AND AGE-SPECIFIC DEATH RATES¹ BY COUNTY
ALABAMA, 1998

AREA	TOTAL	AGE GROUPS										AGE NOT STATED
		UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
Henry	169 11.0	2 9.6*	0 0.0	1 0.5	3 1.4	3 1.7	5 2.4	11 5.4	19 12.3	25 17.7	100 76.7	0
Houston	840 9.7	13 10.3	0 0.0	4 0.3	13 1.1	16 1.4	28 2.1	60 5.3	81 10.7	181 27.6	444 81.1	0
Jackson	495 10.9	4 6.2*	1 0.4	1 0.2	9 1.4	10 1.8	27 4.2	23 3.6	69 13.6	106 28.3	245 94.1	0
Jefferson	7,300 11.5	116 12.4	16 0.4	26 0.3	109 1.3	147 1.7	304 3.1	508 6.0	773 14.3	1,482 29.7	3,819 90.2	0
Lamar	192 12.7	5 26.5*	1 1.3*	1 0.5	1 0.5	2 1.1	8 3.7	12 6.0	11 7.0	38 29.3	113 94.6	0
Lauderdale	865 11.0	5 4.9	0 0.0	1 0.1	13 1.2	21 2.1	27 2.4	61 5.9	88 11.0	161 23.4	488 83.9	0
Lawrence	316 9.6	3 6.0*	0 0.0	2 0.4	9 1.9	7 1.5	10 2.0	18 4.3	25 7.9	79 33.3	163 93.6	0
Lee	688 7.3	16 12.6	0 0.0	3 0.3	9 0.4	16 1.2	30 2.5	54 5.3	82 12.2	138 28.3	340 89.1	0
Limestone	554 9.2	2 2.4*	3 0.9	4 0.5	9 1.1	14 1.5	29 3.0	35 4.3	64 11.1	124 30.2	270 85.8	0
Lowndes	133 10.8	4 14.8*	1 0.9	1 0.4	2 1.0	5 4.1	7 4.3	10 7.9	13 13.5*	17 21.7*	73 101.8*	0
Macon	266 11.3	2 5.1*	3 1.9	1 0.3	6 1.1	7 2.9	13 5.2	24 9.6	26 15.8	53 31.1	131 78.1	0
Madison	2,067 7.5	19 4.7	8 0.5	13 0.3	29 0.8	45 1.0	104 2.1	148 4.3	257 10.2	448 26.6	996 87.9	0
Marengo	249 11.4	1 2.6*	0 0.0	1 0.3	2 0.6	9 4.1	11 3.7	14 5.2	31 15.6	50 28.9	130 89.7	0
Marion	362 12.3	4 11.4*	1 0.7	2 0.5	5 1.3	8 2.1	13 3.2	29 7.3	44 13.6	64 25.1	192 86.2	0
Marshall	898 12.1	10 10.4*	3 0.8	5 0.5	17 1.8	16 1.7	39 3.4	65 6.4	114 14.5	198 30.6	431 84.4	0
Mobile	3,902 10.1	75 12.0	19 0.8	13 0.2	60 1.0	99 2.0	197 3.4	284 5.7	428 13.0	788 29.3	1,939 89.5	0
Monroe	247 9.9	3 7.4*	0 0.0	0 0.0	6 1.5	7 2.4	12 3.3	18 6.0	36 16.7	48 26.8	117 78.4	0

¹Rate is per 1,000 population in specific group. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers or which are based on small populations. Rates which apply to populations of less than 1,000 are denoted by an "*".

TABLE 5—continued
DEATHS AND AGE-SPECIFIC DEATH RATES¹ BY COUNTY
ALABAMA, 1998

AREA	TOTAL	AGE GROUPS										AGE NOT STATED
		UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
Montgomery	2,052 9.4	56 15.4	7 0.5	8 0.2	39 1.2	41 1.3	94 2.7	148 5.5	207 12.1	429 30.8	1,023 85.3	0
Morgan	1,014 9.4	21 13.9	2 0.3	4 0.3	25 1.8	22 1.5	39 2.2	67 4.5	112 10.8	229 30.2	493 82.8	0
Perry	130 11.6	0 0.0	0 0.0	1 0.5	1 0.5	4 4.2*	4 3.2	13 11.0	12 12.0	29 33.4*	66 81.1*	0
Pickens	245 12.1	0 0.0	0 0.0	0 0.0	3 1.0	5 2.5	4 1.5	13 5.7	27 12.7	63 32.8	130 74.6	0
Pike	298 11.0	5 12.3*	0 0.0	0 0.0	2 0.3	4 1.4	11 3.4	21 6.9	31 14.0	52 27.8	172 92.7	0
Randolph	261 13.2	1 3.5*	0 0.0	3 1.1	9 3.3	5 2.1	7 2.5	12 5.0	29 15.2	51 27.9	144 91.1	0
Russell	543 11.8	6 9.1*	4 1.5	2 0.3	5 0.8	10 1.6	29 4.3	51 8.5	78 17.5	131 36.5	227 85.1	0
St. Clair	557 9.9	6 7.5*	1 0.3	3 0.4	5 0.7	17 2.2	18 2.1	33 4.5	83 15.0	117 26.7	274 89.3	0
Shelby	802 6.3	14 7.4	5 0.7	2 0.1	16 1.0	14 0.7	33 1.3	71 3.8	98 9.7	169 27.1	380 95.3	0
Sumter	193 12.5	4 14.7*	2 1.8	0 0.0	6 1.9	5 3.1	10 4.8	12 8.2	16 13.8	36 33.1	102 95.4	0
Talladega	820 11.1	11 10.0	0 0.0	1 0.1	22 2.0	19 2.2	23 2.0	52 5.3	105 15.3	186 32.5	401 92.8	0
Tallapoosa	504 12.8	8 13.7*	0 0.0	2 0.4	3 0.6	10 2.2	17 3.1	36 7.1	58 15.1	102 29.0	268 87.3	0
Tuscaloosa	1,357 8.5	24 11.3	5 0.6	4 0.2	15 0.5	30 1.4	52 2.2	106 5.5	137 11.0	288 25.8	696 80.1	0
Walker	851 12.7	11 12.6*	4 1.1	2 0.2	16 1.7	19 2.3	33 3.4	72 7.8	100 14.3	191 33.5	403 90.9	0
Washington	186 11.2	3 10.9*	0 0.0	1 0.4	4 1.6	3 1.5	11 4.6	21 10.2	23 14.9	33 27.8	87 90.2*	0
Wilcox	168 13.4	1 4.0*	3 3.0	2 1.0	1 0.5	4 3.6	6 3.9	22 15.9	28 27.2	32 30.8	69 67.1	0
Winston	275 12.5	1 3.5*	0 0.0	2 0.7	8 2.8	4 1.4	14 4.5	18 5.8	35 14.5	52 26.4	141 92.5	0

¹Rate is per 1,000 population in specific group. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers or which are based on small populations. Rates which apply to populations of less than 1,000 are denoted by an "*".

TABLE 6
DEATHS AND DEATH RATES¹
BY RACE AND SELECTED CAUSES OF DEATH
ALABAMA, 1998

CAUSE OF DEATH	TOTAL		WHITE		BLACK & OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	43,905	10.6	32,987	10.8	10,918	9.9
Shigellosis and Amebiasis, 004, 006	0	0.0	0	0.0	0	0.0
Certain Other Intestinal Infections, 007-009	8	0.2	6	0.2	2	0.2
Tuberculosis, All Forms, 010-018	29	0.7	17	0.6	12	1.1
Tuberculosis of Respiratory System, 010-012	20	0.5	12	0.4	8	0.7
Whooping Cough, 033	0	0.0	0	0.0	0	0.0
Streptococcal Sore Throat, Scarlatina, and Erysipelas, 034-035	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0
Septicemia, 038	538	12.9	374	12.3	164	14.9
Human Immunodeficiency Virus Infection, 042-044	175	4.2	56	1.8	119	10.8
Acute Poliomyelitis, 045	0	0.0	0	0.0	0	0.0
Measles, 055	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	65	1.6	47	1.5	18	1.6
Syphilis, 090-097	0	0.0	0	0.0	0	0.0
Other Infective and Parasitic Diseases, Remainder of 000-139	130	3.1	89	2.9	41	3.7
Malignant Neoplasms, including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	9,687	233.1	7,422	243.1	2,265	205.5
Lip, Oral Cavity and Pharynx, 140-149	149	3.6	108	3.5	41	3.7
Digestive Organs and Peritoneum, 150-159	2,071	49.8	1,506	49.3	565	51.3
Respiratory and Intrathoracic Organs, 160-165	2,997	72.1	2,455	80.4	542	49.2
Breast, 174-175	655	15.8	494	16.2	161	14.6
Genitourinary Organs, 179-189	1,441	34.7	966	31.6	475	43.1
Leukemia, 204-208	371	8.9	299	9.8	72	6.5
All Other Sites	2,003	48.2	1,594	52.2	409	37.1
Benign Neoplasms, Carcinoma in Situ and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	158	3.8	120	3.9	38	3.4
Diabetes Mellitus, 250	1,303	31.4	778	25.5	525	47.6
Nutritional Deficiencies, 260-269	87	2.1	68	2.2	19	1.7
Anemias, 280-285	104	2.5	58	1.9	46	4.2
Alcoholism, 303	92	2.2	59	1.9	33	3.0
Meningitis, 320-322	16	0.4	10	0.3	6	0.5
Alzheimer's Disease, 331.0	450	10.8	394	12.9	56	5.1
Major Cardiovascular Diseases, 390-448	17,353	417.6	13,163	431.2	4,190	380.1
Diseases of the Heart, 390-398, 402, 404-429	13,449	323.7	10,361	339.4	3,088	280.2
Rheumatic Fever and Rheumatic Heart Disease, 390-398	51	1.2	42	1.4	9	0.8
Hypertensive Heart Disease or Heart and Renal Disease, 402, 404	500	12.0	283	9.3	217	19.7
Ischemic Heart Disease, 410-414	6,453	155.3	5,168	169.3	1,285	116.6
All Other Diseases of the Heart	6,445	155.1	4,868	159.5	1,577	143.1
Hypertension With or Without Renal Disease, 401, 403	286	6.9	149	4.9	137	12.4
Cerebrovascular Diseases, 430-438	2,936	70.7	2,137	70.0	799	72.5
Atherosclerosis, 440	240	5.8	172	5.6	68	6.2
Other Diseases of Arteries, Arterioles and Capillaries, 441-448	442	10.6	344	11.3	98	8.9
Acute Bronchitis and Bronchiolitis, 466	7	0.2	5	0.2	2	0.2
Pneumonia, 480-486	1,511	36.4	1,199	39.3	312	28.3
Influenza, 487	14	0.3	14	0.5	0	0.0
Chronic Obstructive Pulmonary Diseases and Allied Conditions, 490-496	1,994	48.0	1,755	57.5	239	21.7
Bronchitis, 490-491	55	1.3	48	1.6	7	0.6
Emphysema, 492	308	7.4	278	9.1	30	2.7
Asthma, 493	76	1.8	45	1.5	31	2.8
Other Conditions, 494-496	1,555	37.4	1,384	45.3	171	15.5
Ulcer of Stomach and Duodenum, 531-533	73	1.8	59	1.9	14	1.3
Appendicitis, 540-543	11	0.3	9	0.3	2	0.2
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	139	3.3	107	3.5	32	2.9
Chronic Liver Disease and Cirrhosis, 571	400	9.6	311	10.2	89	8.1
Cholelithiasis and Other Disorders of Gallbladder, 574-575	75	1.8	55	1.8	20	1.8
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	699	16.8	485	15.9	214	19.4
Infections of Kidney, 590	19	0.5	13	0.4	6	0.5
Hyperplasia of Prostate, 600	4	0.1	4	0.1	0	0.0
Complications of Pregnancy, Childbirth and Puerperium, 630-676	9	0.2	6	0.2	3	0.3
Arthropathies and Related Disorders, 710-719	112	2.7	75	2.5	37	3.4
Rheumatism, 725-729	20	0.5	12	0.4	8	0.7
Congenital Anomalies, 740-759	190	4.6	129	4.2	61	5.5
Certain Conditions Originating in the Perinatal Period, 760-779	335	8.1	134	4.4	201	18.2
Symptoms, Signs and Ill-Defined Conditions, 780-799	1,132	27.2	794	26.0	338	30.7
Sudden Infant Death Syndrome, 798.0	57	1.4	46	1.5	11	1.0
Accidents and Adverse Effects, E800-E949	2,209	53.2	1,680	55.0	529	48.0
Motor Vehicle Accidents, E810-E825	1,136	27.3	870	28.5	266	24.1
All Other Accidents	1,073	25.8	810	26.5	263	23.9
Suicide, E950-E959	567	13.6	499	16.3	68	6.2
Homicide and Legal Intervention, E960-E978	463	11.1	186	6.1	277	25.1
All Other Causes, Residual	3,727	89.7	2,795	91.6	932	84.6

¹Total rate is per 1,000 population. Cause-specific rates are per 100,000 population. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers.

**TABLE 7
DEATHS AND DEATH RATES¹
BY SEX AND SELECTED CAUSE OF DEATH
ALABAMA, 1998**

CAUSE OF DEATH	TOTAL		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	43,905	10.6	22,020	11.1	21,885	10.1
Shigellosis and Amebiasis, 004, 006	0	0.0	0	0.0	0	0.0
Certain Other Intestinal Infections, 007-009	8	0.2	4	0.2	4	0.2
Tuberculosis, All Forms, 010-018	29	0.7	16	0.8	13	0.6
Tuberculosis of Respiratory System, 010-012	20	0.5	15	0.8	5	0.2
Whooping Cough, 033	0	0.0	0	0.0	0	0.0
Streptococcal Sore Throat, Scarletina, and Erysipelas, 034-035	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0
Septicemia, 038	538	12.9	219	11.0	319	14.7
Human Immunodeficiency Virus Infection, 042-044	175	4.2	136	6.8	39	1.8
Acute Poliomyelitis, 045	0	0.0	0	0.0	0	0.0
Measles, 055	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	65	1.6	36	1.8	29	1.3
Syphilis, 090-097	0	0.0	0	0.0	0	0.0
Other Infective and Parasitic Diseases, Remainder of 000-139	130	3.1	71	3.6	59	2.7
Malignant Neoplasms, including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	9,687	233.1	5,278	265.0	4,409	203.8
Lip, Oral Cavity and Pharynx, 140-149	149	3.6	97	4.9	52	2.4
Digestive Organs and Peritoneum, 150-159	2,071	49.8	1,118	56.1	953	44.0
Respiratory and Intrathoracic Organs, 160-165	2,997	72.1	1,956	98.2	1,041	48.1
Breast, 174-175	655	15.8	5	0.3	650	30.0
Genitourinary Organs, 179-189	1,441	34.7	861	43.2	580	26.8
Leukemia, 204-208	371	8.9	191	9.6	180	8.3
All Other Sites	2,003	48.2	1,050	52.7	953	44.0
Benign Neoplasms, Carcinoma in Situ and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	158	3.8	71	3.6	87	4.0
Diabetes Mellitus, 250	1,303	31.4	515	25.9	788	36.4
Nutritional Deficiencies, 260-269	87	2.1	33	1.7	54	2.5
Anemias, 280-285	104	2.5	41	2.1	63	2.9
Alcoholism, 303	92	2.2	66	3.3	26	1.2
Meningitis, 320-322	16	0.4	8	0.4	8	0.4
Alzheimer's Disease, 331.0	450	10.8	148	7.4	302	14.0
Major Cardiovascular Diseases, 390-448	17,353	417.6	8,193	411.4	9,160	423.3
Disease of the Heart, 390-398, 402, 404-429	13,449	323.7	6,562	329.5	6,887	318.3
Rheumatic Fever and Rheumatic Heart Disease, 390-398	51	1.2	18	0.9	33	1.5
Hypertensive Heart Disease or Heart and Renal Disease, 402, 404	500	12.0	218	10.9	282	13.0
Ischemic Heart Disease, 410-414	6,453	155.3	3,449	173.2	3,004	138.8
All Other Diseases of the Heart	6,445	155.1	2,877	144.5	3,568	164.9
Hypertension With or Without Renal Disease, 401, 403	286	6.9	131	6.6	155	7.2
Cerebrovascular Diseases 430-438	2,936	70.7	1,150	57.7	1,786	82.5
Atherosclerosis, 440	240	5.8	103	5.2	137	6.3
Other Diseases of Arteries, Arterioles and Capillaries, 441-448	442	10.6	247	12.4	195	9.0
Acute Bronchitis and Bronchiolitis, 466	7	0.2	4	0.2	3	0.1
Pneumonia, 480-486	1,511	36.4	699	35.1	812	37.5
Influenza, 487	14	0.3	5	0.3	9	0.4
Chronic Obstructive Pulmonary Diseases and Allied Conditions, 490-496	1,994	48.0	1,105	55.5	889	41.1
Bronchitis, 490-491	55	1.3	26	1.3	29	1.3
Emphysema, 492	308	7.4	188	9.4	120	5.5
Asthma, 493	76	1.8	28	1.4	48	2.2
Other Conditions, 494-496	1,555	37.4	863	43.3	692	32.0
Ulcer of Stomach and Duodenum, 531-533	73	1.8	37	1.9	36	1.7
Appendicitis, 540-543	11	0.3	4	0.2	7	0.3
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	139	3.3	49	2.5	90	4.2
Chronic Liver Disease and Cirrhosis, 571	400	9.6	250	12.6	150	6.9
Cholelithiasis and Other Disorders of Gallbladder, 574-575	75	1.8	32	1.6	43	2.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	699	16.8	332	16.7	367	17.0
Infections of Kidney, 590	19	0.5	9	0.5	10	0.5
Hyperplasia of Prostate, 600	4	0.1	4	0.2	0	0.0
Complications of Pregnancy, Childbirth and Puerperium, 630-676	9	0.2	0	0.0	9	0.4
Arthropathies and Related disorders, 710-719	112	2.7	21	1.1	91	4.2
Rheumatism, 725-729	20	0.5	9	0.5	11	0.5
Congenital Anomalies, 740-759	190	4.6	87	4.4	103	4.8
Certain Conditions Originating in the Perinatal Period, 760-779	335	8.1	171	8.6	164	7.6
Symptoms, Signs and Ill-Defined Conditions, 780-799	1,132	27.2	536	26.9	596	27.5
Sudden Infant Death Syndrome, 798.0	57	1.4	31	1.6	26	1.2
Accidents and Adverse Effects, E800-E949	2,209	53.2	1,431	71.9	778	36.0
Motor Vehicle Accidents, E810-E825	1,136	27.3	776	39.0	360	16.6
All Other Accidents	1,073	25.8	655	32.9	418	19.3
Suicide, E950-E959	567	13.6	457	22.9	110	5.1
Homicide and Legal Intervention, E960-E978	463	11.1	329	16.5	134	6.2
All Other causes, Residual	3,727	89.7	1,614	81.1	2,113	97.7

¹Total rate is per 1,000 population. Cause-specific rates are per 100,000 population. See formula in Appendix B. Rates based on small numbers should be used with caution.

**TABLE 8
LEADING CAUSES OF DEATH,
CRUDE AND AGE-ADJUSTED DEATH RATES¹ BY RACE AND SEX
ALABAMA, 1998**

	CAUSE OF DEATH	NUMBER	CRUDE RATE	AGE-ADJ. RATE		CAUSE OF DEATH	NUMBER	CRUDE RATE	AGE-ADJ. RATE
RANK	TOTAL ALL RACE AND SEX	43,905	10.6	5.8	RANK	TOTAL (WHITE FEMALE-CON.)	16,468	10.5	4.1
1	Diseases of the Heart	13,449	323.7	155.7	9	Nephritis, Neph. Syn. & Nephrosis	244	15.6	4.7
2	Malignant Neoplasms	9,687	233.1	139.7	10	Septicemia	224	14.3	5.0
3	Cerebrovascular Diseases	2,936	70.7	31.3	11	Chronic Liver Disease and Cirrhosis	121	7.7	4.1
4	Accidents	2,209	53.2	45.8	12	Suicide	101	6.4	5.7
5	Chronic Obst. Pul. Dis. & All. Cond.	1,994	48.0	24.1	13	Atherosclerosis	99	6.3	1.5
6	Pneumonia & Influenza	1,525	36.7	14.1	14	Hypertension	83	5.3	1.4
7	Diabetes Mellitus	1,303	31.4	17.2	15	Congenital Anomalies	76	4.9	4.9
8	Nephritis, Neph. Syn. & Nephrosis	699	16.8	7.4		All Other Causes	2,758		
9	Suicide	567	13.6	12.7	RANK	TOTAL BLACK & OTHER	10,918	9.9	7.6
10	Septicemia	538	12.9	6.3	1	Diseases of the Heart	3,088	280.2	199.2
11	Homicide and Legal Intervention	463	11.1	11.8	2	Malignant Neoplasms	2,265	205.5	168.1
12	Alzheimer's Disease	450	10.8	3.4	3	Cerebrovascular Diseases	799	72.5	50.0
13	Chronic Liver Disease and Cirrhosis	400	9.6	7.0	4	Accidents	529	48.0	45.4
14	Certain Cond. Orig. In the Peri. Period	335	8.1	8.4	5	Diabetes Mellitus	525	47.6	36.5
15	Hypertension	286	6.9	3.4	6	Pneumonia & Influenza	312	28.3	17.9
	All Other Causes	7,064			7	Homicide and Legal Intervention	277	25.1	26.6
RANK	TOTAL WHITE	32,987	10.8	5.3	8	Chronic Obst. Pul. Dis. & All. Cond.	239	21.7	15.8
1	Diseases of the Heart	10,361	339.4	144.2	9	Nephritis, Neph. Syn. & Nephrosis	214	19.4	12.2
2	Malignant Neoplasms	7,422	243.1	132.4	10	Certain Cond. Orig. In the Peri. Period	201	18.2	14.1
3	Cerebrovascular Diseases	2,137	70.0	26.5	11	Septicemia	164	14.9	10.2
4	Chronic Obst. Pul. Dis. & All. Cond.	1,755	57.5	25.9	12	Hypertension	137	12.4	9.5
5	Accidents	1,680	55.0	46.4	13	Human Immunodeficiency Virus Inf.	119	10.8	11.7
6	Pneumonia & Influenza	1,213	39.7	13.1	14	Chronic Liver Disease and Cirrhosis	89	8.1	8.1
7	Diabetes Mellitus	778	25.5	12.3	15	Atherosclerosis	68	6.2	3.7
8	Suicide	499	16.3	14.7	16	Suicide	68	6.2	6.5
9	Nephritis, Neph. Syn. & Nephrosis	485	15.9	6.2		All Other Causes	1,824		
10	Alzheimer's Disease	394	12.9	3.7	RANK	TOTAL BLACK AND OTHER MALE	5,501	10.9	10.1
11	Septicemia	374	12.3	5.4	1	Diseases of the Heart	1,450	286.9	264.3
12	Chronic Liver Disease and Cirrhosis	311	10.2	6.6	2	Malignant Neoplasms	1,242	245.7	232.7
13	Homicide and Legal Intervention	186	6.1	6.2	3	Accidents	368	72.8	74.0
14	Atherosclerosis	172	5.6	1.9	4	Cerebrovascular Diseases	345	68.3	62.9
15	Hypertension	149	4.9	1.9	5	Homicide and Legal Intervention	207	41.0	44.0
	All Other Causes	5,071			6	Diabetes Mellitus	175	34.6	32.5
RANK	TOTAL WHITE MALE	16,519	11.1	6.9	7	Pneumonia & Influenza	160	31.7	25.8
1	Diseases of the Heart	5,112	344.0	196.7	8	Chronic Obst. Pul. Dis. & All. Cond.	156	30.9	26.5
2	Malignant Neoplasms	4,036	271.6	167.3	9	Certain Cond. Orig. In the Peri. Period	104	20.6	14.5
3	Accidents	1,063	71.5	64.6	10	Human Immunodeficiency Virus Inf.	93	18.4	20.9
4	Chronic Obst. Pul. Dis. & All. Cond.	949	63.9	33.9	11	Nephritis, Neph. Syn. & Nephrosis	91	18.0	14.6
5	Cerebrovascular Diseases	805	54.2	28.8	12	Septicemia	69	13.7	12.0
6	Pneumonia & Influenza	544	36.6	17.2	13	Hypertension	65	12.9	12.5
7	Suicide	398	26.8	24.1	14	Chronic Liver Disease and Cirrhosis	60	11.9	13.4
8	Diabetes Mellitus	340	22.9	14.0	15	Suicide	59	11.7	13.1
9	Nephritis, Neph. Syn. & Nephrosis	241	16.2	8.3		All Other Causes	857		
10	Chronic Liver Disease and Cirrhosis	190	12.8	9.4	RANK	TOTAL BLACK AND OTHER FEMALE	5,417	9.1	5.8
11	Septicemia	150	10.1	5.9	1	Diseases of the Heart	1,638	274.5	153.9
12	Alzheimer's Disease	129	8.7	3.7	2	Malignant Neoplasms	1,023	171.4	128.3
13	Homicide and Legal Intervention	122	8.2	8.2	3	Cerebrovascular Diseases	454	76.1	40.9
14	Atherosclerosis	73	4.9	2.4	4	Diabetes Mellitus	350	58.6	39.0
15	Certain Cond. Orig. In the Peri. Period	67	4.5	5.1	5	Accidents	161	27.0	22.4
	All Other Causes	2,300			6	Pneumonia & Influenza	152	25.5	12.9
RANK	TOTAL WHITE FEMALE	16,468	10.5	4.1	7	Nephritis, Neph. Syn. & Nephrosis	123	20.6	10.6
1	Diseases of the Heart	5,249	335.0	101.9	8	Certain Cond. Orig. In the Peri. Period	97	16.3	13.8
2	Malignant Neoplasms	3,386	216.1	107.3	9	Septicemia	95	15.9	9.0
3	Cerebrovascular Diseases	1,332	85.0	24.3	10	Chronic Obst. Pul. Dis. & All. Cond.	83	13.9	9.5
4	Chronic Obst. Pul. Dis. & All. Cond.	806	51.4	21.0	11	Hypertension	72	12.1	7.3
5	Pneumonia & Influenza	669	42.7	10.4	12	Homicide and Legal Intervention	70	11.7	11.8
6	Accidents	617	39.4	29.0	13	Atherosclerosis	38	6.4	3.2
7	Diabetes Mellitus	438	28.0	10.8	14	Alzheimer's Disease	37	6.2	2.2
8	Alzheimer's Disease	265	16.9	3.7	15	Arthropathies & Related Disorders	32	5.4	4.6
	All Other Causes					All Other Causes	992		

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

TABLE 9
LEADING CAUSES OF DEATH AND DEATH RATES¹
BY RACE AND AGE GROUP
ALABAMA, 1998

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
UNDER 1 YEAR	632	10.4	316	8.1	316	14.5
Disorders Relating to Short Gestation and Unspecified Low Birthweight	116	190.5	34	87.0	82	375.8
Congenital Anomalies	116	190.5	73	186.8	43	197.1
Sudden Infant Death Syndrome	57	93.6	46	117.7	11	50.4
Respiratory Distress Syndrome	39	64.0	22	56.3	17	77.9
Infections Specific to the Perinatal Period	31	50.9	14	35.8	17	77.9
1-4 YEARS	118	0.5	69	0.4	49	0.6
Accidents	47	19.3	23	14.7	24	27.5
Homicide and Legal Intervention	12	4.9	7	4.5	5	5.7
Congenital Anomalies	7	2.9	6	3.8	1	1.1
Pneumonia and Influenza	6	2.5	3	1.9	3	3.4
Diseases of the Heart	5	2.1	3	1.9	2	2.3
Malignant Neoplasms	5	2.1	5	3.2	0	0.0
5-14 YEARS	166	0.3	101	0.3	65	0.3
Accidents	85	14.5	56	14.3	29	14.9
Malignant Neoplasms	17	2.9	10	2.6	7	3.6
Diseases of the Heart	8	1.4	3	0.8	5	2.6
Congenital Anomalies	6	1.0	3	0.8	3	1.5
Homicide and Legal Intervention	6	1.0	1	0.3	5	2.6
15-19 YEARS	311	1.0	214	1.1	97	1.0
Accidents	177	59.6	144	73.7	33	32.5
Homicide and Legal Intervention	49	16.5	15	7.7	34	33.5
Suicide	26	8.8	22	11.3	4	3.9
Diseases of the Heart	12	4.0	8	4.1	4	3.9
Malignant Neoplasms	12	4.0	9	4.6	3	3.0
20-24 YEARS	389	1.3	227	1.1	162	1.7
Accidents	177	58.6	124	60.3	53	55.1
Homicide and Legal Intervention	76	25.2	17	8.3	59	61.3
Suicide	41	13.6	31	15.1	10	10.4
Diseases of the Heart	21	7.0	11	5.3	10	10.4
Malignant Neoplasms	12	4.0	8	3.9	4	4.2

¹Age-specific rate is per 1,000 population. Cause-specific rate is per 100,000 population. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers.

TABLE 9—continued
LEADING CAUSES OF DEATH AND DEATH RATES¹
BY RACE AND AGE GROUP
ALABAMA, 1998

CAUSE OF DEATH	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
25-34 YEARS	936	1.7	551	1.3	385	2.7
Accidents	300	53.2	223	52.9	77	54.1
Homicide and Legal Intervention	107	19.0	36	8.5	71	49.9
Suicide	98	17.4	80	19.0	18	12.7
Malignant Neoplasms	95	16.9	59	14.0	36	25.3
Diseases of the Heart	85	15.1	40	9.5	45	31.6
35-44 YEARS	1,767	2.8	1,135	2.4	632	3.9
Diseases of the Heart	332	53.0	205	44.1	127	78.5
Accidents	309	49.3	240	51.6	69	42.6
Malignant Neoplasms	280	44.7	198	42.6	82	50.7
Suicide	126	20.1	114	24.5	12	7.4
Homicide and Legal Intervention	101	16.1	51	11.0	50	30.9
45-64 YEARS	7,997	8.8	5,564	7.7	2,433	12.8
Malignant Neoplasms	2,584	283.4	1,900	263.2	684	360.3
Diseases of the Heart	2,195	240.8	1,502	208.1	693	365.0
Accidents	401	44.0	294	40.7	107	56.4
Cerebrovascular Diseases	378	41.5	221	30.6	157	82.7
Diabetes Mellitus	284	31.1	160	22.2	124	65.3
65-74 YEARS	9,107	29.2	7,011	27.7	2,096	35.8
Malignant Neoplasms	2,843	912.1	2,258	891.9	585	999.8
Diseases of the Heart	2,732	876.5	2,105	831.4	627	1071.6
Chronic Ob. Pulmonary Dis. & Allied Cond.	613	196.7	538	212.5	75	128.2
Cerebrovascular Diseases	467	149.8	324	128.0	143	244.4
Diabetes Millitus	305	97.9	178	70.3	127	217.0
75+ YEARS	22,482	88.9	17,799	87.1	4,683	96.4
Diseases of the Heart	8,044	3181.0	6,477	3170.6	1,567	3224.5
Malignant Neoplasms	3,838	1517.7	2,974	1455.8	864	1777.9
Cerebrovascular Diseases	1,996	789.3	1,553	760.2	443	911.6
Pneumonia and Influenza	1,168	461.9	976	477.8	192	395.1
Chronic Ob. Pulmonary Dis. & Allied Cond.	1,087	429.8	979	479.2	108	222.2

¹Age-specific rate is per 1,000 population. Cause-specific rate is per 100,000 population. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers.

**TABLE 10
LEADING CAUSES OF DEATH
BY AGE GROUP
ALABAMA, 1998**

CAUSE OF DEATH	TOTAL	AGE GROUP										NOT STATED
		UNDER 1	1- 4	5- 14	15- 24	25- 34	35- 44	45- 54	55- 64	65- 74	75+	
TOTAL	43,905	632	118	166	700	936	1,767	3,074	4,923	9,107	22,482	0
Diseases of the Heart	13,449	15	5	8	33	85	332	800	1,395	2,732	8,044	0
Malignant Neoplasms	9,687	1	5	17	24	95	280	868	1,716	2,843	3,838	0
Cerebrovascular Diseases	2,936	6	0	1	1	20	67	131	247	467	1,996	0
Accidents	2,209	13	47	85	354	300	309	232	169	223	477	0
Chronic Obst. Pul. Dis. & All. Cond.	1,994	3	0	1	5	3	21	56	205	613	1,087	0
Pneumonia & Influenza	1,525	4	6	0	3	9	25	47	66	197	1,168	0
Diabetes Mellitus	1,303	0	0	1	5	13	43	97	187	305	652	0
Nephritis, Neph. Syn. & Nephrosis	699	2	1	0	2	5	18	21	42	141	467	0
Suicide	567	0	0	5	67	98	126	91	76	54	50	0
Septicemia	538	7	3	0	0	5	18	30	49	111	315	0
Homicide and Legal Intervention	463	1	12	6	125	107	101	54	25	21	11	0
Alzheimer's Disease	450	0	0	0	0	0	0	1	5	43	401	0
Chronic Liver Disease and Cirrhosis	400	0	0	1	1	8	47	92	65	104	82	0
Certain Cond. Orig. In the Peri. Period	335	334	0	0	0	0	1	0	0	0	0	0
Hypertension	286	0	0	0	0	3	6	32	34	41	170	0
Atherosclerosis	240	0	0	0	0	0	0	8	19	36	177	0
Congenital Anomalies	190	116	7	6	7	3	7	7	6	5	26	0
Human Immunodeficiency Virus Inf.	175	0	0	0	0	52	70	38	10	4	1	0
Benign Neoplasms	158	1	3	2	5	6	9	14	27	28	63	0
Hernia of Abdominal Cavity and Int. Obst.	139	5	2	1	0	0	2	4	10	22	93	0
Arthropathies and Related Disorders	112	0	0	1	2	7	7	11	14	27	43	0
Alcoholism	92	0	0	0	1	2	17	35	16	13	8	0
All Other Causes	5,958	124	27	31	65	115	261	405	540	1,077	3,313	0

**TABLE 11
RESIDENT DEATHS AND DEATH RATES¹
BY MONTH OF OCCURRENCE
ALABAMA, 1996-1998**

MONTH	1998		1997		1996	
	DEATHS	RATE	DEATHS	RATE	DEATHS	RATE
TOTAL	43,905	10.6	43,208	10.4	42,806	10.4
January	4,392	12.4	4,112	11.7	4,264	12.2
February	3,941	12.4	3,671	11.6	3,658	11.2
March	3,900	11.1	3,719	10.6	3,775	10.8
April	3,574	10.5	3,544	10.4	3,527	10.4
May	3,613	10.2	3,611	10.3	3,508	10.0
June	3,386	9.9	3,367	9.9	3,194	9.4
July	3,454	9.8	3,353	9.5	3,346	9.6
August	3,329	9.4	3,405	9.7	3,324	9.5
September	3,296	9.7	3,209	9.4	3,177	9.4
October	3,574	10.1	3,586	10.2	3,623	10.4
November	3,551	10.4	3,743	11.0	3,476	10.3
December	3,895	11.0	3,888	11.1	3,934	11.3

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

**FIGURE 5
RESIDENT DEATHS
BY MONTH OF OCCURRENCE
ALABAMA, 1998**

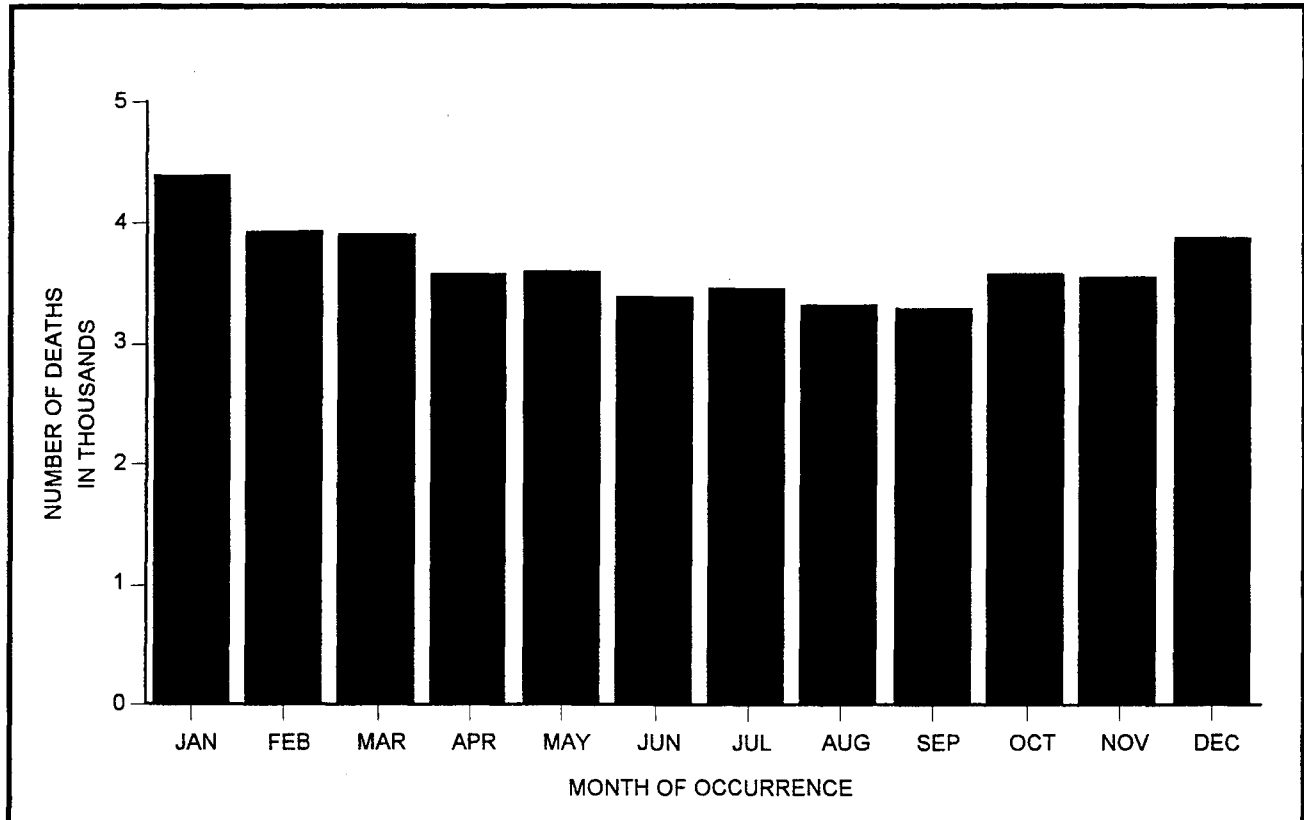


TABLE 12
DEATHS AND DEATH RATES¹
BY AGE GROUP
ALABAMA, 1996-1998

AGE GROUP	1998		1997		1996	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	43,905	10.6	43,208	10.4	42,806	10.4
UNDER 5	750	2.5	689	2.3	761	2.5
5-14	166	0.3	187	0.3	169	0.3
15-24	700	1.2	681	1.1	775	1.3
25-34	936	1.7	991	1.7	1,069	1.9
35-44	1,767	2.8	1,869	3.0	1,902	3.0
45-54	3,074	5.7	2,962	5.7	2,958	5.8
55-64	4,923	13.1	4,850	13.1	4,890	13.4
65-74	9,107	29.2	9,055	29.0	9,172	29.3
75+	22,482	88.9	21,924	88.4	21,110	86.8
NOT STATED	0		0		0	

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

TABLE 13
DEATHS AND DEATH RATES¹
BY AGE GROUP AND RACE
ALABAMA, 1998

AGE GROUP	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	43,905	10.6	32,987	10.8	10,918	9.9
UNDER 1	632	10.4	316	8.1	316	14.5
1-4	118	0.5	69	0.4	49	0.6
5-9	71	0.2	42	0.2	29	0.3
10-14	95	0.3	59	0.3	36	0.4
15-19	311	1.0	214	1.1	97	1.0
20-24	389	1.3	227	1.1	162	1.7
25-29	427	1.5	237	1.2	190	2.6
30-34	509	1.8	314	1.5	195	2.8
35-44	1,767	2.8	1,135	2.4	632	3.9
45-54	3,074	5.7	1,998	4.8	1,076	9.0
55-64	4,923	13.1	3,566	11.7	1,357	19.2
65-74	9,107	29.2	7,011	27.7	2,096	35.8
75+	22,482	88.9	17,799	87.1	4,683	96.4
NOT STATED	0		0		0	

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

TABLE 14
DEATHS TO RESIDENTS OF SELECTED CITIES BY RACE
ALABAMA, 1998

CITY	TOTAL	WHITE	BLACK AND OTHER
ALABASTER	129	109	20
ALBERTVILLE	209	207	2
ALEXANDER CITY	209	168	41
ANDALUSIA	129	104	25
ANNISTON	429	262	167
ATHENS	239	215	24
AUBURN	156	103	53
BESSEMER	475	218	257
BIRMINGHAM	3,186	1,215	1,971
CULLMAN	215	215	0
DAPHNE	116	92	24
DECATUR	519	422	97
DOTHAN	602	456	146
ENTERPRISE	190	149	41
EUFULA	172	118	54
FAIRFIELD	145	48	97
FLORENCE	476	408	68
FORT PAYNE	157	150	7
GADSDEN	668	523	145
HARTSELLE	136	122	14
HOMEWOOD	230	203	27
HOOVER	291	288	3
HUEYTOWN	198	176	22
HUNTSVILLE	1,432	1,117	315
JACKSONVILLE	113	107	6
JASPER	236	214	22
LEEDS	106	89	17
MADISON	125	96	29
MOBILE	2,306	1,457	849
MONTGOMERY	1,925	1,115	810
MOUNTAIN BROOK	198	196	2
NORTHPORT	231	179	52
OPELIKA	245	158	87
OZARK	178	135	43
PHENIX CITY	362	232	130
PRATTVILLE	210	177	33
PRICHARD	376	77	299
SARALAND	87	77	10
SCOTTSBORO	158	153	5
SELMA	371	178	193
SHEFFIELD	119	93	26
SYLACAUGA	206	164	42
TALLADEGA	224	164	60
TROY	144	88	56
TUSCALOOSA	753	469	284
TUSKEGEE	119	13	106
VESTAVIA HILLS	200	195	5

DISEASES OF THE HEART

Major cardiovascular diseases accounted for 40 percent of all deaths in Alabama in 1998. The largest component of this disease group, diseases of the heart, was the cause responsible for nearly one-third of the deaths to Alabama's residents.

Since 1926 when heart disease became Alabama's leading cause of death with a mortality rate of 108.4, the death rate has tripled to 323.7 in 1998. Heart disease has been the leading cause of death for 71 years.

Prior to 1987, Alabama's rate of mortality

from heart disease was below that of the nation. Since 1987, however, Alabama's rate has exceeded the national rate. From 1960 to 1998, the national rate decreased 27.4 percent while Alabama's rate increased 6.4 percent.

Because of the different age composition of the two racial groups, heart disease death rates for black and other races have been below white rates since 1967. However, for ages 40 to 70, race-sex-age-specific heart disease death rates were much higher for black and other race Alabamians.

TABLE 15
HEART DISEASE DEATHS AND DEATH RATES¹ BY RACE
AND TOTAL UNITED STATES RATES
ALABAMA, 1960-1998

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1960	369.0	9,948	304.1	6,740	294.4	3,208	326.3
1961	362.4	9,995	301.5	6,812	292.9	3,183	321.7
1962	370.1	10,412	310.2	7,215	305.6	3,197	321.1
1963	375.2	10,600	312.0	7,312	305.1	3,228	328.4
1964	365.7	10,496	305.2	7,529	309.7	2,967	294.5
1965	367.4	10,563	314.4	7,575	314.0	2,988	315.4
1966	371.2	11,153	330.2	8,028	329.4	3,125	332.2
1967	364.5	10,693	314.9	7,823	317.8	2,870	307.3
1968	373.5	11,126	325.9	8,188	329.4	2,938	316.9
1969	367.1	11,183	325.9	8,242	328.3	2,941	319.6
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	268.0	13,449	323.7	10,361	339.4	3,088	280.2

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

TABLE 16
HEART DISEASE DEATHS AND DEATH RATES¹
BY AGE GROUP, RACE AND SEX
ALABAMA, 1998

AGE GROUP	TOTAL		WHITE				BLACK AND OTHER			
			MALE		FEMALE		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	13,449	323.7	5,112	344.0	5,249	335.0	1,450	286.9	1,638	274.5
UNDER 1	15	24.6	4	19.9	3	15.8	4	36.2	4	37.1
1-4	5	2.1	3	3.7	0	0.0	1	2.3	1	2.3
5-9	2	0.7	1	1.0	0	0.0	0	0.0	1	2.1
10-14	6	2.1	2	2.0	0	0.0	1	2.1	3	6.3
15-19	12	4.0	5	5.0	3	3.2	3	5.9	1	2.0
20-24	21	7.0	8	7.7	3	3.0	6	13.0	4	8.0
25-29	28	10.0	4	3.9	6	5.9	9	28.0	9	22.0
30-34	57	20.0	20	18.5	10	9.3	19	62.8	8	20.5
35-39	124	39.5	47	40.2	21	18.0	40	114.7	16	35.4
40-44	208	66.5	106	92.2	31	26.7	47	131.1	24	52.3
45-49	322	110.8	138	125.7	53	47.5	86	276.9	45	118.1
50-54	478	194.8	235	244.8	88	88.6	106	470.5	49	177.9
55-59	584	291.3	291	371.8	121	143.6	97	589.4	75	348.2
60-64	811	462.7	398	591.3	178	236.2	133	984.1	102	534.8
65-69	1,187	723.1	594	976.5	317	437.0	160	1,325.2	116	619.9
70-74	1,545	1,047.3	727	1,414.4	467	682.7	163	1,558.2	188	1,089.0
75+	8,044	3,181.0	2,529	3,579.0	3,948	2,954.6	575	3,588.6	992	3,045.5
NOT STATED	0		0		0		0		0	

¹Rate is per 100,000 population in specified group. Caution should be exercised in using rates derived from small numbers. See formula in Appendix B.

MALIGNANT NEOPLASMS

As the second leading cause of death, malignant neoplasms (cancer) accounted for over 22 percent of all 1998 deaths to Alabama residents. The 9,687 cancer deaths in 1998 were over two and a half times higher than cancer deaths in 1960; and, the rate of 233.1 per 100,000 population was nearly double the rate for 1960.

Males continued to have higher death rates from cancer than females, particularly for cancer of the esophagus and of the bronchus and lung. Over the last ten years, however, the cancer death rate for females has risen 18.9 percent compared to 12.2 percent for males.

Liver cancer had the greatest ten-year rate increase for both males (76.2 percent) and females (100 percent).

Almost 70 percent of all cancer deaths were to Alabamians aged 65 and older while less than 5 percent were to those under age 45.

Since 1960, the cancer death rate has increased much faster in Alabama than nationally, and Alabama's rate has been above the national rate since 1986. After a small decrease in 1995, the cancer rate for Alabama reached a high of 233.1 in 1998.

TABLE 17
MALIGNANT NEOPLASM DEATHS AND DEATH RATES¹ BY RACE
AND TOTAL UNITED STATES RATES
ALABAMA, 1960-1998

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1960	149.2	3,830	117.1	2,747	120.0	1,083	110.2
1961	149.4	3,909	117.9	2,808	120.7	1,101	111.3
1962	149.9	4,108	122.4	2,936	124.3	1,172	117.7
1963	151.3	4,068	119.7	2,964	123.7	1,104	110.3
1964	151.3	4,280	124.5	3,144	129.3	1,136	112.7
1965	153.5	4,309	128.2	3,154	130.7	1,155	121.9
1966	155.1	4,491	133.0	3,305	135.6	1,186	126.1
1967	157.2	4,686	138.0	3,430	139.3	1,256	134.5
1968	159.8	4,820	141.2	3,536	142.2	1,284	138.5
1969	160.4	4,950	144.3	3,609	143.8	1,341	145.7
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	199.4	9,687	233.1	7,422	243.1	2,265	205.5

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

TABLE 18
MALIGNANT NEOPLASM DEATHS AND DEATH RATES¹
BY PRIMARY SITE AND SEX
ALABAMA, 1998

PRIMARY SITE/ICD CODE	TOTAL		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	9,687	233.1	5,278	265.0	4,409	203.8
Bladder, 188	155	3.7	107	5.4	48	2.2
Brain, 191	217	5.2	101	5.1	116	5.4
Breast, 174-175	655	15.8	5	0.3	650	30.0
Bronchus and Lung, 162.2-162.9	2,916	70.2	1,893	95.1	1,023	47.3
Esophagus, 150	181	4.4	138	6.9	43	2.0
Large Intestine, 153	805	19.4	399	20.0	406	18.8
Leukemia, 204-208	371	8.9	191	9.6	180	8.3
Liver, 155	238	5.7	148	7.4	90	4.2
Lymphoma, 200-202	363	8.7	192	9.6	171	7.9
Ovary, 183.0	254	6.1	0	0.0	254	11.7
Pancreas, 157	454	10.9	231	11.6	223	10.3
Prostate, 185	629	15.1	629	31.6	0	0.0
Rectum, 154.1	92	2.2	45	2.3	47	2.2
Stomach, 151	204	4.9	116	5.8	88	4.1
Uterus, 179-182	173	4.2	0	0.0	173	8.0
Site Not Specified, 199	893	21.5	472	23.7	421	19.5
All Other Sites	1,087	26.2	611	30.7	476	22.0

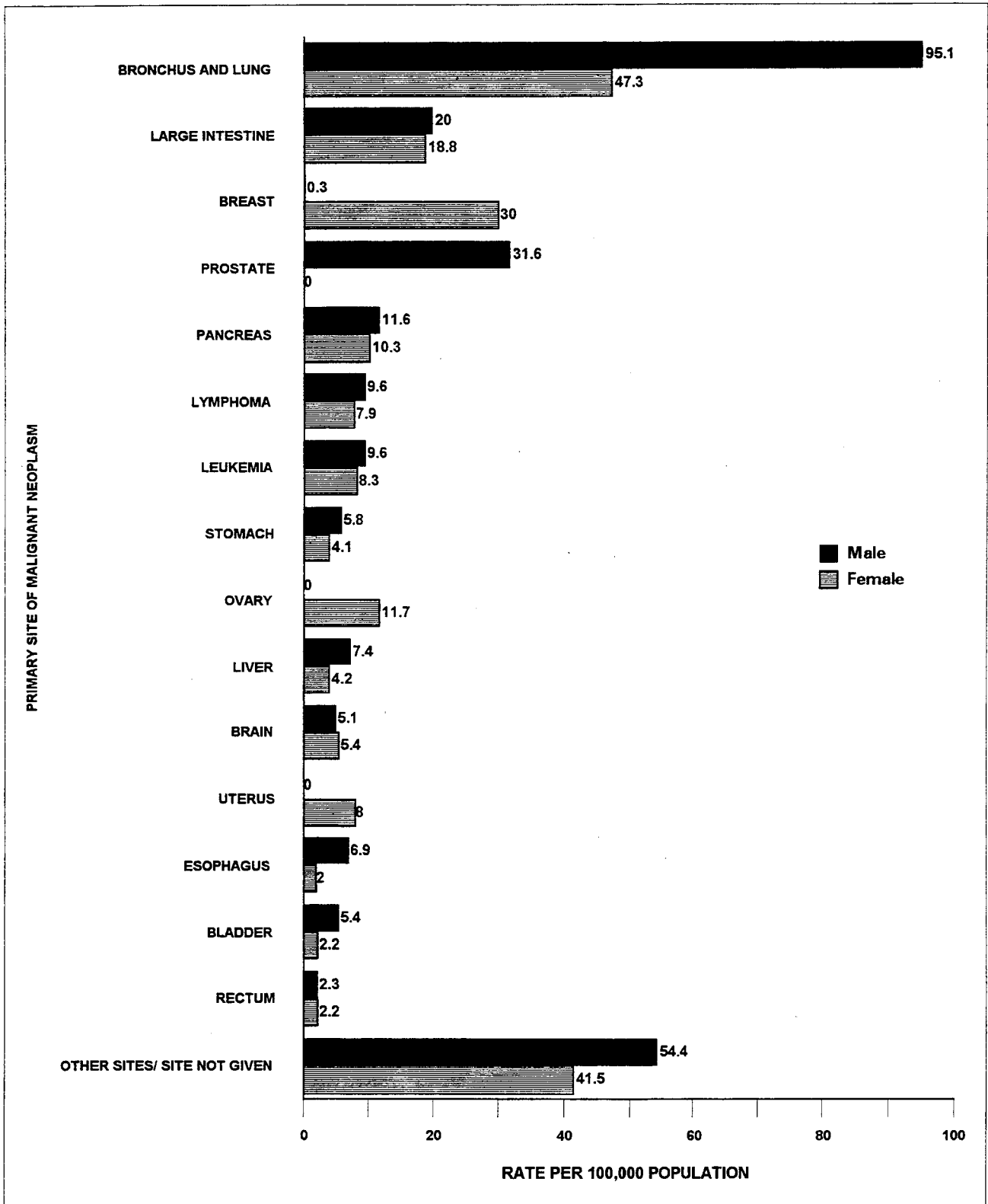
¹Rate is per 100,000 population in specified group. Caution should be exercised in using rates derived from small numbers. See formula in Appendix B.

TABLE 19
MALIGNANT NEOPLASM DEATHS AND DEATH RATES¹
BY AGE GROUP AND SEX
ALABAMA, 1998

AGE GROUP	TOTAL		MALE		FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	9,687	233.1	5,278	265.0	4,409	203.8
UNDER 1	1	1.6	1	3.2	0	0.0
1-4	5	2.1	1	0.8	4	3.4
5-9	10	3.4	7	4.6	3	2.1
10-14	7	2.4	4	2.7	3	2.1
15-19	12	4.0	6	4.0	6	4.1
20-24	12	4.0	7	4.7	5	3.3
25-29	28	10.0	13	9.6	15	10.5
30-34	67	23.5	30	21.7	37	25.3
35-44	280	44.7	120	39.6	160	49.4
45-54	868	162.0	462	178.1	406	146.8
55-64	1,716	456.7	965	549.7	751	375.1
65-74	2,843	912.1	1,648	1222.9	1,195	675.4
75+	3,838	1517.7	2,014	2323.4	1,824	1097.5
NOT STATED	0		0		0	

¹Rate is per 100,000 population in specified group. Caution should be exercised in using rates derived from small numbers. See formula in Appendix B.

FIGURE 6
DEATH RATES FROM MALIGNANT NEOPLASMS
BY PRIMARY SITE AND SEX
ALABAMA, 1998



CEREBROVASCULAR DISEASES

Alabama's third leading cause of death, cerebrovascular diseases, is commonly known as stroke. Although the Alabama death rate for cerebrovascular diseases rose slightly in 1998 from 70.6 to 70.7, the current rate still is about half of the 1970 rate of 133.9. Over 65 percent of all cerebrovascular diseases deaths were to people 75 years or older.

For the last ten years, the white death rate has remained fairly stable, ranging from 63.1 to

70.6.

Historically, black and other race Alabamians have been at higher risk for cerebrovascular diseases and generally have died at younger ages.

For the past thirty years, the black and other stroke death rate has been higher than the white rate. However, the difference in these rates has been declining, from 49.5 percent higher in 1970 to 3.6 percent higher in 1998.

TABLE 20
CEREBROVASCULAR DISEASES DEATHS WITH DEATH RATES¹ BY RACE
AND TOTAL UNITED STATES RATES
ALABAMA, 1970-1998

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

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

ACCIDENTS

Since 1949 the fourth leading cause of death to Alabama's residents has been accidents. While both the national rate and the Alabama rate have declined since 1960, Alabama's death rate from accidents has exceeded the national rate since 1951.

Accidental deaths decreased by 104 deaths in 1998 with a slight rate decrease from 55.9 to 53.2. The white rate decreased from 57.4 to 55.0 while the black and other rate decreased from 51.4 to 48.0.

Among males, accidental deaths was the third leading cause of death. For females, accidents was the fifth leading cause of death for black and other races and the sixth leading cause for whites.

Accidents was the leading cause of death for

ages 1 to 34, the second leading cause for those 35-44 and the third leading cause for those 45 to 64. The age group with the highest age-specific death rate from accidents was Alabamians aged 75 and older.

Motor vehicle deaths remained the number one category causing 51.4 percent of all accidental deaths, of which 78 were deaths to children under the age of 15. Children under 15 also suffered 24 drowning deaths, 12 deaths due to fire and flames, 6 suffocation deaths and 6 firearm deaths.

Falls, the second leading type of accidental death caused 208 fatalities. The elderly were at higher risk with 84.1 percent of the deaths from falls occurring to those aged 65 and older.

**TABLE 21
ACCIDENTAL DEATHS WITH DEATH RATES¹ BY RACE
AND TOTAL UNITED STATES RATES
ALABAMA, 1960-1998**

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK AND OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1960	52.3	2,029	62.0	1,317	57.5	712	72.4
1961	50.4	2,028	61.2	1,362	58.6	666	67.3
1962	52.3	2,097	62.5	1,372	58.1	725	72.8
1963	53.4	2,204	64.9	1,480	61.8	724	72.3
1964	54.3	2,203	64.1	1,534	63.1	669	66.4
1965	55.7	2,425	72.2	1,699	70.4	726	76.6
1966	58.0	2,437	72.2	1,654	67.9	783	83.2
1967	57.2	2,424	71.4	1,731	70.3	693	74.2
1968	57.5	2,489	72.9	1,778	71.5	711	76.7
1969	57.6	2,524	73.6	1,758	70.0	766	83.2
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

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

**TABLE 22
ACCIDENTAL DEATHS AND DEATH RATES¹
BY AGE GROUP AND RACE
ALABAMA, 1998**

AGE GROUP	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	2,209	53.2	1,680	55.0	529	48.0
UNDER 1	13	21.3	7	17.9	6	27.5
1-4	47	19.3	23	14.7	24	27.5
5-9	39	13.2	25	12.7	14	14.3
10-14	46	15.8	31	15.9	15	15.6
15-19	177	59.6	144	73.7	33	32.5
20-24	177	58.6	124	60.3	53	55.1
25-29	155	55.6	112	54.4	43	58.9
30-34	145	50.9	111	51.5	34	49.1
35-44	309	49.3	240	51.6	69	42.6
45-54	232	43.3	167	40.1	65	54.5
55-64	169	45.0	127	41.6	42	59.5
65-74	223	71.5	177	69.9	46	78.6
75+	477	188.6	392	191.9	85	174.9
NOT STATED	0		0		0	

¹Rate is per 100,000 population in specified group. Caution should be exercised in using rates derived from small numbers. See formula in Appendix B.

**FIGURE 7
LEADING CAUSES OF ACCIDENTAL DEATHS
ALABAMA, 1998**

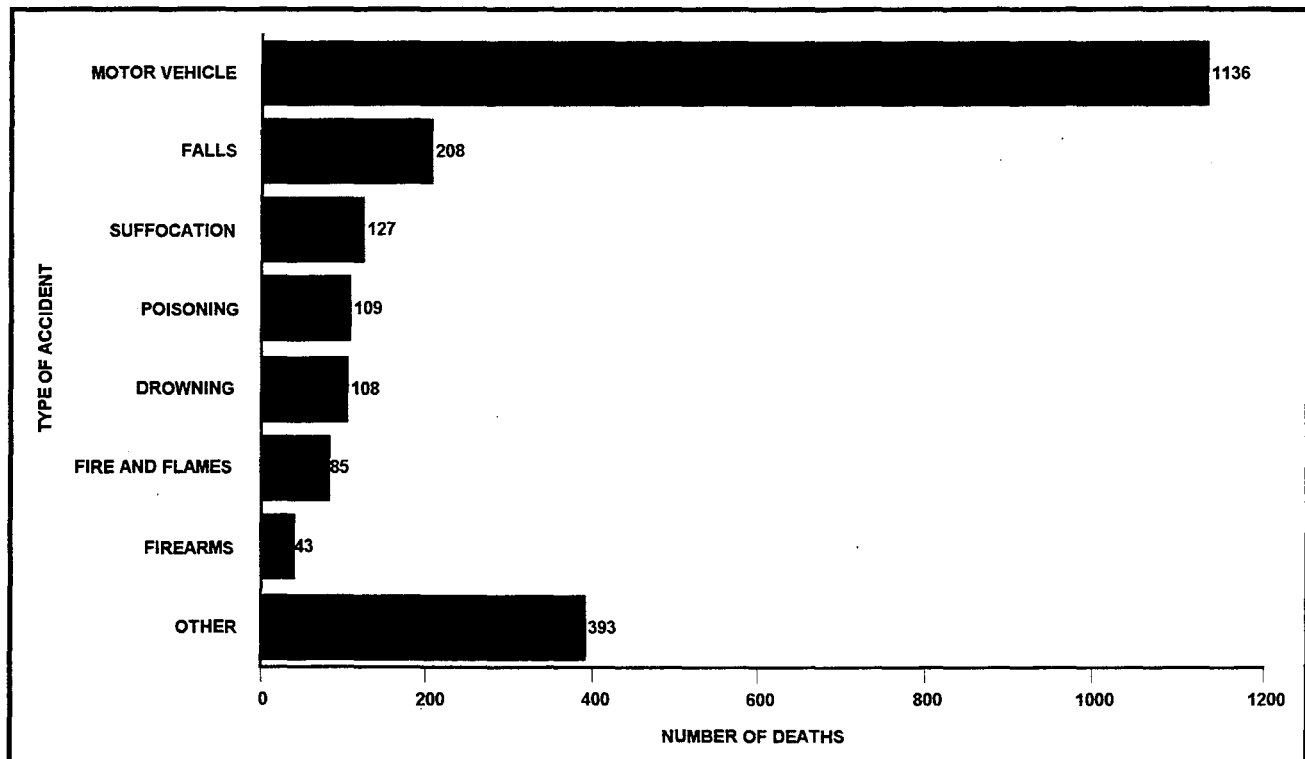


TABLE 23
ACCIDENTAL DEATHS BY TYPE OF ACCIDENT AND AGE GROUP
ALABAMA, 1998

TYPE OF ACCIDENT (ICD CODE)	TOTAL	AGE GROUP										NOT STATED
		UNDER 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
TOTAL	2,209	13	47	85	354	300	309	232	169	223	477	0
RAILWAY ACCIDENTS (800-807)	10	0	0	0	1	1	4	3	1	0	0	0
MOTOR VEHICLE (810-825)	1,136	4	22	52	269	184	192	116	96	98	103	0
DROWNING (830, 832, 910)	108	4	8	12	21	16	11	13	5	11	7	0
AIR & SPACE TRANSPORT (840-845)	5	0	0	0	1	1	2	0	1	0	0	0
POISONING (850-869)	109	0	2	0	8	26	32	20	8	6	7	0
FALLS (880-888)	208	0	0	1	3	5	7	9	8	37	138	0
FIRE AND FLAMES (890-899)	85	0	8	4	4	14	7	13	8	11	16	0
BITES & STINGS FROM VENOMOUS INSECTS (905)	2	0	0	0	0	0	0	1	0	0	1	0
EXCESSIVE HEAT (900)	7	0	0	0	0	0	2	0	1	2	2	0
EXCESSIVE COLD (901)	7	0	0	0	0	0	1	1	1	0	4	0
LIGHTNING (907)	2	0	0	0	0	1	1	0	0	0	0	0
CATAclysmic STORMS, AND FLOODS RESULTING FROM STORMS (908)	36	0	1	2	2	5	3	7	2	5	9	0
SUFFOCATION (911-913)	127	3	1	2	1	8	7	13	7	11	74	0
STRUCK BY FALLING OBJECTS, ETC. (916-918)	27	0	1	1	7	3	8	4	1	0	2	0
FIREARMS (922)	43	0	2	4	11	6	9	4	3	3	1	0
ELECTROCUTION (925)	16	0	0	0	1	7	3	2	2	1	0	0
ALL OTHER ACCIDENTS & LATE EFFECTS	281	2	2	7	25	23	20	26	25	38	113	0

TABLE 24
ACCIDENTAL DEATHS BY TYPE AND AGE GROUP
OCCURRENCE DATA
ALABAMA, 1998

TYPE OF ACCIDENT	TOTAL	AGE GROUP							NOT STATED
		0-4	5-14	15-24	25-44	45-64	65-74	75+	
TOTAL	2,197	60	90	347	613	407	216	464	0
WORK TOTAL	32	0	0	5	17	8	2	0	0
Agriculture	2	0	0	0	1	1	0	0	0
Mining, Quarrying, Oil and Gas Wells	1	0	0	0	1	0	0	0	0
Construction	12	0	0	1	9	1	1	0	0
Manufacturing	6	0	0	3	1	2	0	0	0
Transportation and Public Utilities	7	0	0	0	3	3	1	0	0
Trade	1	0	0	1	0	0	0	0	0
Service	1	0	0	0	1	0	0	0	0
Government	1	0	0	0	0	1	0	0	0
Other and Unspecified Industry	1	0	0	0	1	0	0	0	0
HOME TOTAL	184	12	10	12	43	39	23	45	0
Poisoning (Gas Excepted)	24	0	0	3	14	6	0	1	0
Poisoning by Gases and Vapors	2	0	0	0	2	0	0	0	0
Falls	35	0	1	2	3	4	7	18	0
Fires	72	7	4	3	16	15	10	17	0
Drowning	11	2	2	0	1	4	1	1	0
Suffocation, Ingested Food or Object	5	0	0	0	2	2	0	1	0
Suffocation, Mechanical	7	2	1	0	1	1	0	2	0
Firearms	6	0	2	2	0	1	1	0	0
Other & Unspecified Home Accidents	22	1	0	2	4	6	4	5	0
MOTOR VEHICLE TOTAL	1,123	23	54	257	379	215	94	101	0
Injury to Pedestrian	82	5	10	8	21	23	5	10	0
Injury to Pedal Cyclist	3	0	1	1	0	1	0	0	0
Injury to Rider of Animal or Occupant of Animal Drawn Vehicle	0	0	0	0	0	0	0	0	0
Collision with Railroad Train	9	0	0	2	2	3	1	1	0
Collision with Other Motor Vehicle	387	4	15	66	138	74	41	49	0
Collision with Fixed Object	125	1	7	34	44	24	7	8	0
Noncollision	255	4	8	81	104	37	13	8	0
Other and Unspecified Accidents	262	9	13	65	70	53	27	25	0
PUBLIC NON-MOTOR VEHICLE TOTAL	196	4	9	25	49	41	24	44	0
Railroad-Not with Motor Vehicle	11	0	0	2	5	4	0	0	0
Other Vehicle-Not with Motor Vehicle	0	0	0	0	0	0	0	0	0
Water Transport	11	0	0	3	4	2	1	1	0
Air Transport	5	0	0	0	3	1	1	0	0
Falls	10	0	0	1	2	0	4	3	0
Fires	3	0	0	1	0	2	0	0	0
Drowning	51	2	5	13	14	7	5	5	0
Firearms	4	0	0	1	3	0	0	0	0
Other & Unspecified Public Accidents	101	2	4	4	18	25	13	35	0
ACCIDENT TYPE UNKNOWN AND LATE EFFECTS	662	21	17	48	125	104	73	274	0

SUICIDE

The suicide rate has been stable during the 1990s with the rate fluctuating at 13 or 14 deaths per 100,000 population. Suicides increased from 531 in 1997 to 567 in 1998 giving a rate of 13.6. However, race, sex, and age groupings show different trends. White males had the highest suicide rate (26.8); followed by black and other males (11.7); white females (6.4); and black and other females (1.5).

From 1997 to 1998 suicides to black and other remained almost constant with 58 in 1997 compared to 59 in 1998. In addition, there were no noteworthy changes in the rates between age groupings. Suicides decreased

by 8 for black and other females.

In 1998, suicides for white males increased from 358 to 398 and for white females from 98 to 101. Nearly 25 percent of white female suicides were aged 40 to 49 in 1998.

For those aged 40 and over, there was a dramatic difference between racial groups due to a higher risk for white males (24.3). For black and other males 40 and older, there were 23 suicides.

During 1998, the number of teen suicides did not change significantly. White teen males had the highest rate, 12.4 followed by black and other males, 6.0. There were no suicide deaths for teenage females during 1998.

TABLE 25
SUICIDE DEATHS WITH DEATH RATES¹ BY RACE
AND TOTAL UNITED STATES RATES
ALABAMA, 1960-1998

YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK & OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1960	10.6	244	7.5	225	9.8	19	1.9
1961	10.4	306	9.2	272	11.7	34	3.4
1962	10.9	283	8.4	258	10.9	25	2.5
1963	11.0	299	8.8	276	11.5	23	2.3
1964	10.8	319	9.3	289	11.9	30	3.0
1965	11.1	323	9.6	288	11.9	35	3.7
1966	10.9	309	9.1	268	11.0	41	4.4
1967	10.8	313	9.2	287	11.7	26	2.7
1968	10.7	322	9.4	285	11.5	37	4.0
1969	11.1	334	9.7	305	12.1	29	3.2
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	10.8	567	13.6	499	16.3	68	6.2

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

**TABLE 26
SUICIDE DEATHS BY RACE, SEX, AND AGE GROUP
ALABAMA, 1998**

RACE AND SEX	TOTAL	AGE GROUP									NOT STATED
		5 - 9	10 - 19	20 - 29	30 - 39	40 - 49	50 - 59	60 - 69	70 - 79	80+	
TOTAL	567	0	31	88	108	123	74	68	55	20	0
MALE	457	0	31	77	83	95	57	56	40	18	0
FEMALE	110	0	0	11	25	28	17	12	15	2	0
WHITE	499	0	25	67	97	113	69	58	51	19	0
MALE	398	0	25	57	73	88	52	47	39	17	0
FEMALE	101	0	0	10	24	25	17	11	12	2	0
BLACK AND OTHER	68	0	6	21	11	10	5	10	4	1	0
MALE	59	0	6	20	10	7	5	9	1	1	0
FEMALE	9	0	0	1	1	3	0	1	3	0	0

**TABLE 27
TEENAGE SUICIDE DEATHS BY RACE AND SEX WITH ANNUAL RATES¹
ALABAMA, 1960-1998**

YEAR	TOTAL		WHITE		BLACK & OTHER	
	NUMBER	RATE	MALE	FEMALE	MALE	FEMALE
1960	12	1.9	11	1	0	0
1961	5	0.8	3	1	1	0
1962	11	1.7	8	1	2	0
1963	10	1.5	7	2	0	1
1964	14	2.1	10	2	2	0
1965	14	2.1	10	1	2	1
1966	12	1.8	9	1	1	1
1967	19	2.8	14	4	1	0
1968	14	2.0	9	3	0	2
1969	14	2.0	8	3	3	0
1970	12	1.7	8	2	1	1
1971	18	2.5	15	2	1	0
1972	16	2.2	11	2	1	2
1973	24	3.4	16	4	2	2
1974	17	2.4	10	4	2	1
1975	29	4.1	19	5	5	0
1976	28	4.0	20	4	2	2
1977	30	4.2	21	7	2	0
1978	28	4.0	19	8	1	0
1979	25	3.5	19	5	1	0
1980	25	3.5	17	5	1	2
1981	24	3.4	19	3	1	1
1982	28	4.0	22	4	2	0
1983	22	3.1	16	3	0	3
1984	25	3.5	14	8	2	1
1985	32	4.5	24	6	2	0
1986	28	4.0	19	3	4	2
1987	28	3.9	14	6	3	5
1988	32	4.4	23	4	3	2
1989	38	5.2	29	3	6	0
1990	38	6.1	24	6	5	3
1991	34	5.6	19	5	9	1
1992	43	7.1	24	5	14	0
1993	45	7.5	25	8	11	1
1994	48	8.0	27	9	10	2
1995	43	7.2	31	1	10	1
1996	31	5.2	18	6	6	1
1997	28	4.7	18	4	5	1
1998	31	5.3	25	0	6	0

¹Rate is per 100,000 population in specified group. Caution should be exercised in using rates derived from small numbers. See formula in Appendix B.

HOMICIDE

For the past four decades, homicides in Alabama have averaged 498 per year with the fewest occurring in 1961 (332) and the most occurring in 1980 (614). In 1998, there were 463 homicides for a rate of 11.1, the lowest number since 1984. Alabama's homicide rate has exceeded the national rate since the recording of this data. The 1998 national rate was 6.4. As seen in Table 28, for Alabama, the white rate increased from 6.0 to 6.1 and the black and other rate decreased from 32.2 to 25.1.

While the numbers decreased overall from 1997 to 1998, homicides increased by 4 deaths for white Alabamians. There was also an increase in homicides in 1998 for females (124 to 134).

Nearly 45 percent of all homicides occurred to black and other race males. An additional 26 percent were to white males and the remaining 29 percent were women (14 percent white and 15 percent black and other). The median age at death for homicide was 38 years for white victims and 28 years for black and other victims.

**TABLE 28
HOMICIDE DEATHS WITH DEATH RATES¹ BY RACE
AND TOTAL UNITED STATES RATES
ALABAMA, 1960-1998**

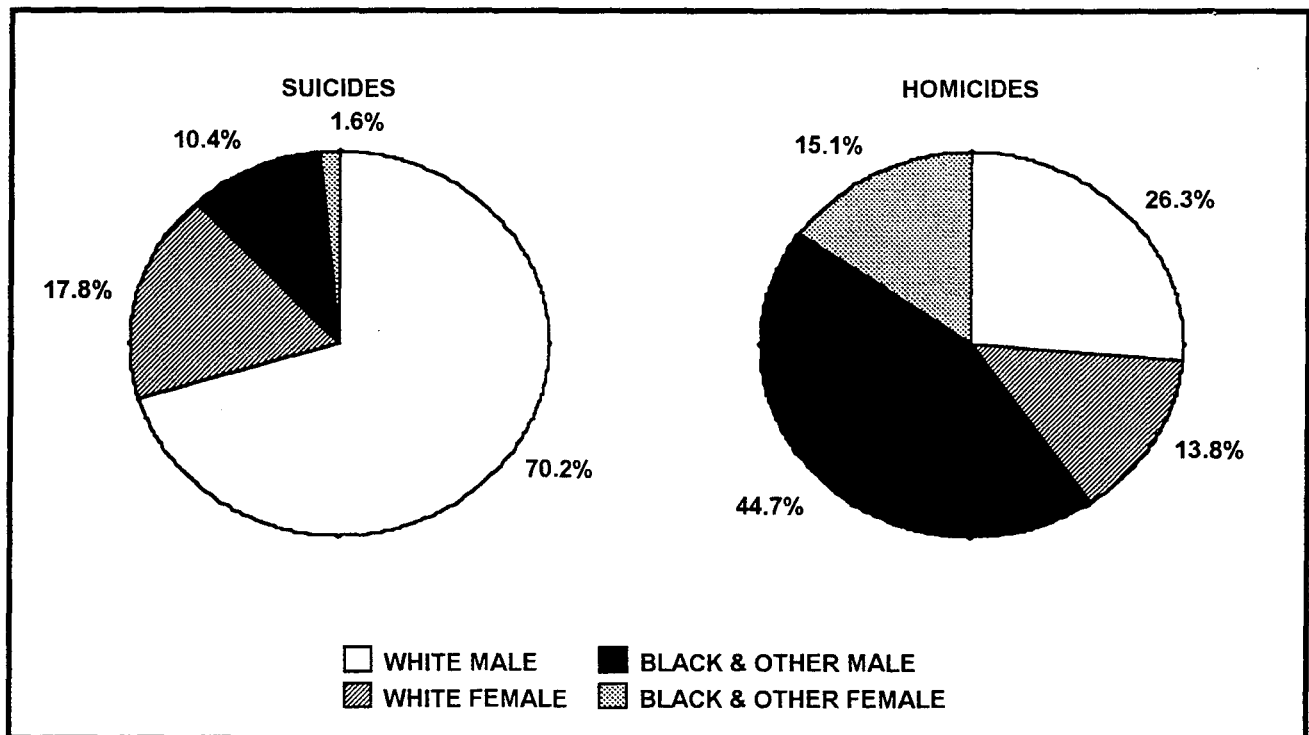
YEAR	U.S. RATE	ALABAMA					
		TOTAL		WHITE		BLACK & OTHER	
		NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
1960	4.7	344	10.5	94	4.1	250	25.4
1961	4.7	332	10.0	105	4.5	227	22.9
1962	4.8	370	11.0	128	5.4	242	24.3
1963	4.9	368	10.8	119	5.0	249	24.9
1964	5.1	370	10.8	105	4.3	265	26.3
1965	5.5	420	12.5	118	4.9	302	31.9
1966	5.9	403	11.9	116	4.8	287	30.5
1967	6.8	431	12.7	124	5.0	307	32.9
1968	7.4	465	13.6	146	5.9	319	34.4
1969	7.7	484	14.1	176	7.0	308	33.5
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	6.4	463	11.1	186	6.1	277	25.1

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

**TABLE 29
HOMICIDE DEATHS BY RACE, SEX, AND AGE GROUP
ALABAMA, 1998**

RACE AND SEX	TOTAL	AGE GROUP									NOT STATED
		0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80+	
TOTAL	463	16	52	142	93	81	36	23	12	8	0
MALE	329	10	44	113	55	54	29	15	6	3	0
FEMALE	134	6	8	29	38	27	7	8	6	5	0
WHITE	186	8	16	36	40	44	19	16	4	3	0
MALE	122	5	10	27	22	28	15	11	3	1	0
FEMALE	64	3	6	9	18	16	4	5	1	2	0
BLACK AND OTHER	277	8	36	106	53	37	17	7	8	5	0
MALE	207	5	34	86	33	26	14	4	3	2	0
FEMALE	70	3	2	20	20	11	3	3	5	3	0

**FIGURE 8
PERCENT OF SUICIDES AND HOMICIDES BY RACE AND SEX
ALABAMA, 1998**



INFANT MORTALITY

The 1998 infant mortality rate was 10.2 per 1,000 live births in Alabama. The national rate reached single digits in 1989 and has decreased another 2.6 points to achieve a low of 7.2 in 1998.

Alabama's 632 infant deaths consisted of 316 white infants and 316 black and other infants. The white infant death rate was 7.6 and the black and other rate was 15.4.

Infants born in plural deliveries, also at risk for low birthweight, had a mortality rate of 46.1 compared to the infant mortality rate of 9.0 for infants in single deliveries.

For mothers who had inadequate prenatal care, the infant mortality rate was 27.2. The rate was 8.4 for infants whose mothers had adequate

prenatal care.

The two leading causes of infant deaths were congenital anomalies and disorders relating to short gestation/unspecified low birthweight with 116 infant deaths each. Sudden infant death syndrome (57) and respiratory distress syndrome (39) completed the top four causes which accounted for over half of all infant deaths.

The highest infant mortality rate (21.3) occurred to infants of mothers under 15 years of age. Infants of mothers aged 15-17 had the second highest rate at 14.3.

Choctaw, Coosa, Crenshaw, Hale, Perry and Pickens counties had no infant deaths. Lamar County had the highest rate, 25.0.

FIGURE 9
INFANT MORTALITY RATES
ALABAMA AND UNITED STATES, 1940-1998

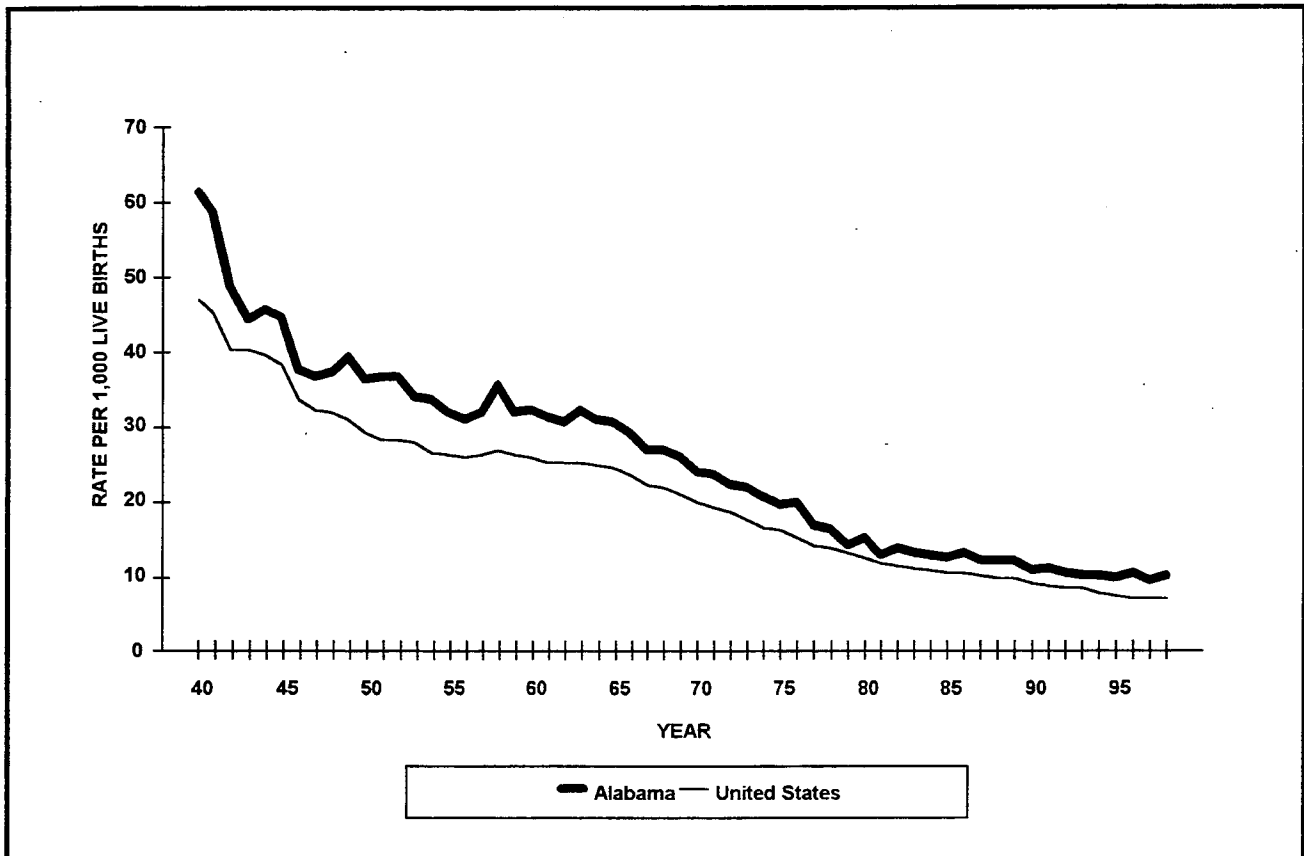
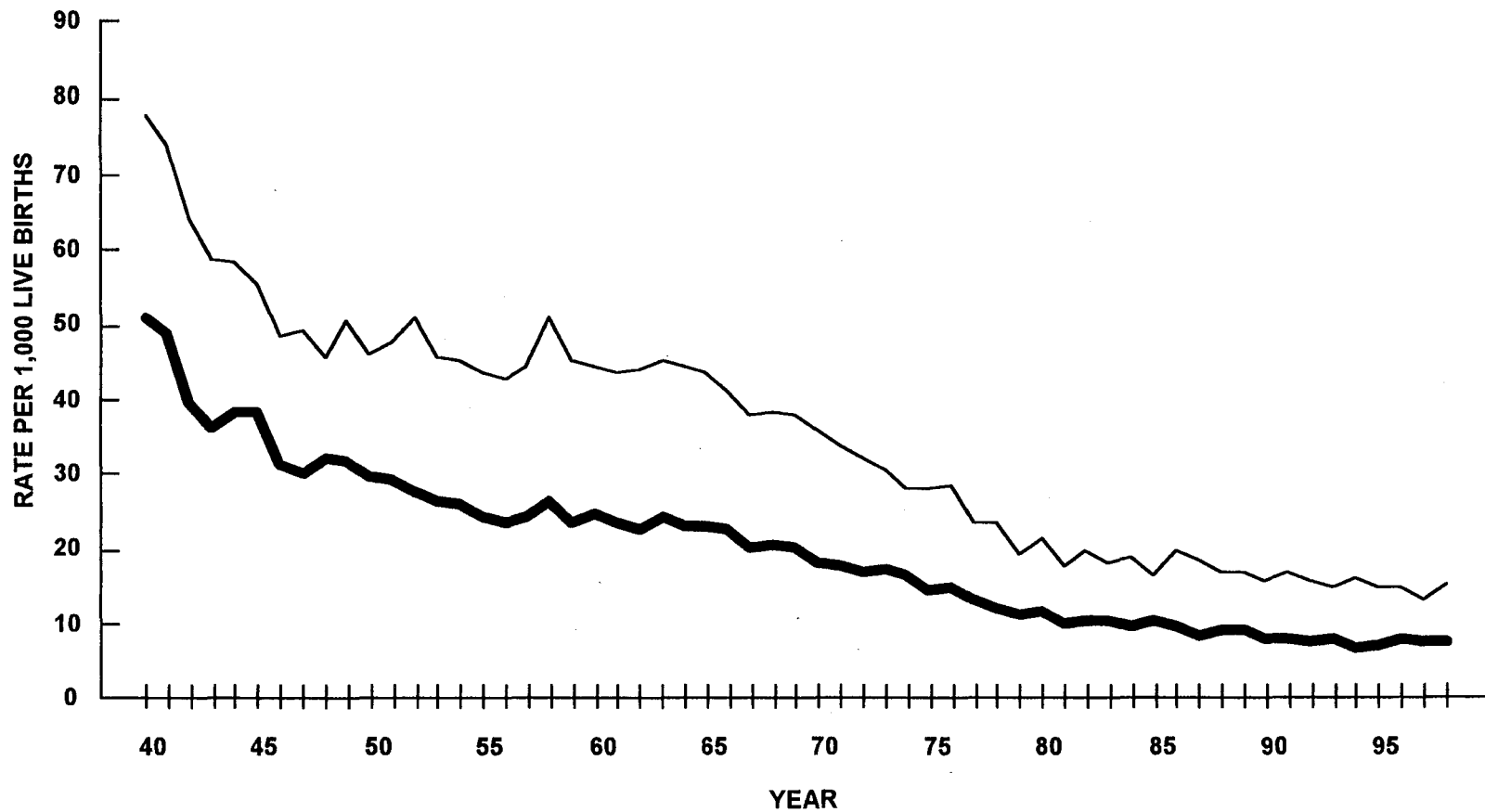


TABLE 30
INFANT DEATHS AND INFANT MORTALITY RATES¹ BY RACE
ALABAMA AND UNITED STATES, 1940-1998

YEAR	TOTAL			WHITE			BLACK AND OTHER		
	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE	ALABAMA		U.S. RATE
	NUMBER	RATE		NUMBER	RATE		NUMBER	RATE	
1940	3,862	61.3	47.0	1,993	51.1	43.2	1,869	77.9	73.8
1941	3,832	58.7	45.3	1,998	49.3	41.2	1,834	74.1	74.8
1942	3,573	48.8	40.4	1,848	39.8	37.3	1,725	64.5	64.6
1943	3,479	44.4	40.4	1,825	36.3	37.5	1,654	59.0	62.5
1944	3,391	45.7	39.8	1,816	38.5	36.9	1,575	58.4	60.3
1945	3,141	44.8	38.3	1,684	38.4	35.6	1,457	55.5	57.0
1946	2,975	37.7	33.8	1,611	31.6	31.8	1,364	48.7	49.5
1947	3,229	36.7	32.2	1,738	30.1	30.1	1,491	49.4	48.5
1948	3,188	37.3	32.0	1,730	32.2	29.9	1,458	46.0	46.5
1949	3,303	39.2	31.1	1,665	32.0	28.9	1,638	50.8	47.3
1950	3,004	36.4	29.2	1,475	29.7	26.8	1,529	46.4	44.5
1951	3,071	36.6	28.4	1,508	29.5	25.8	1,563	47.7	44.8
1952	3,045	36.7	28.4	1,417	27.8	25.5	1,628	51.2	47.0
1953	2,798	33.9	27.8	1,343	26.5	25.0	1,455	45.7	44.7
1954	2,769	33.6	26.6	1,333	26.2	23.9	1,436	45.3	42.9
1955	2,623	32.0	26.4	1,223	24.6	23.6	1,400	43.7	42.8
1956	2,617	31.1	26.0	1,214	23.6	23.2	1,403	43.0	42.1
1957	2,700	32.1	26.3	1,271	24.5	23.3	1,429	44.5	43.7
1958	2,930	35.6	27.1	1,355	26.4	23.8	1,575	51.1	45.7
1959	2,626	31.9	26.4	1,199	23.5	23.2	1,427	45.6	44.0
1960	2,603	32.2	26.0	1,258	24.7	22.9	1,345	44.7	43.2
1961	2,515	31.2	25.3	1,198	23.6	22.4	1,317	43.8	40.7
1962	2,409	30.6	25.3	1,122	22.7	22.3	1,287	44.0	41.4
1963	2,453	32.3	25.2	1,172	24.5	22.2	1,281	45.4	41.5
1964	2,370	31.0	24.8	1,123	23.2	21.6	1,247	44.4	41.1
1965	2,165	30.7	24.7	1,031	23.1	21.5	1,134	43.8	40.3
1966	1,943	29.2	23.7	974	22.7	20.6	969	41.1	38.8
1967	1,731	26.8	22.4	856	20.5	19.7	875	38.2	35.9
1968	1,701	26.8	21.8	878	20.9	19.2	823	38.3	34.5
1969	1,692	26.1	20.9	889	20.4	18.4	803	37.9	32.9
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

¹ Rate is per 1,000 live births in specified group. For 1940-1989 infant deaths are based on race of the decedent and live births are based on the race of the child. Since 1990 infant deaths are based on race of the decedent and live births are based on the race of the mother. See formula in Appendix B.

FIGURE 10
INFANT MORTALITY RATES BY RACE
ALABAMA, 1940-1998



— WHITE — BLACK AND OTHER

TABLE 31
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY COUNTY OF RESIDENCE AND RACE OF INFANT
ALABAMA, 1998

AREA	TOTAL		WHITE		BLACK & OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALABAMA	632	10.2	316	7.6	316	15.4
Autauga	5	8.1	4	8.3	1	7.4
Baldwin	17	10.2	13	9.6	4	13.0
Barbour	5	14.2	0	0.0	5	23.9
Bibb	4	14.2	2	9.2	2	31.3
Blount	8	11.8	8	11.9	0	0.0
Bullock	1	6.0	0	0.0	1	7.2
Butler	2	7.1	0	0.0	2	13.4
Calhoun	23	13.9	14	11.3	9	21.6
Chambers	2	4.2	1	4.0	1	4.5
Cherokee	2	6.8	1	3.6	1	50.0*
Chilton	6	11.8	6	13.5	0	0.0
Choctaw	0	0.0	0	0.0	0	0.0
Clarke	6	12.2	0	0.0	6	24.6
Clay	3	14.4	2	11.5	1	28.6*
Cleburne	1	5.6	1	5.8	0	0.0
Coffee	4	7.4	1	2.4	3	23.6
Colbert	5	7.0	4	6.8	1	7.9
Conecuh	1	5.3	0	0.0	1	9.2
Coosa	0	0.0	0	0.0	0	0.0
Covington	5	10.6	3	8.0	2	20.6
Crenshaw	0	0.0	0	0.0	0	0.0
Cullman	10	9.9	10	10.1	0	0.0
Dale	14	17.9	10	17.8	4	17.9
Dallas	9	10.5	0	0.0	9	13.7
DeKalb	4	4.7	4	4.8	0	0.0
Elmore	11	12.3	8	12.0	3	13.5
Escambia	8	16.1	3	10.0	5	25.3
Etowah	10	7.3	3	2.7	7	28.1
Fayette	2	9.2	2	10.5	0	0.0
Franklin	1	2.4	1	2.5	0	0.0
Geneva	5	15.4	4	14.5	1	20.4*
Greene	2	13.0	0	0.0	2	14.7
Hale	0	0.0	0	0.0	0	0.0
Henry	2	9.8	0	0.0	2	25.0
Houston	13	11.0	3	3.8	10	25.4
Jackson	4	6.0	4	6.3	0	0.0
Jefferson	116	12.4	42	8.8	74	16.2
Lamar	5	25.0	4	22.3	1	47.6*
Lauderdale	5	4.7	3	3.2	2	14.5
Lawrence	3	7.1	2	5.3	1	22.7*
Lee	16	11.4	16	16.4	0	0.0
Limestone	2	2.3	1	1.3	1	9.4
Lowndes	4	17.5	0	0.0	4	21.5
Macon	2	6.5	0	0.0	2	7.6
Madison	19	5.0	9	3.4	10	8.9
Marengo	1	3.3	0	0.0	1	5.3
Marion	4	10.5	4	10.9	0	0.0
Marshall	10	8.3	10	8.5	0	0.0
Mobile	75	11.7	30	8.1	45	16.8
Monroe	3	7.9	1	5.1	2	10.8
Montgomery	56	16.0	18	12.4	38	18.5
Morgan	21	13.6	18	13.6	3	13.8
Perry	0	0.0	0	0.0	0	0.0
Pickens	0	0.0	0	0.0	0	0.0
Pike	5	11.3	0	0.0	5	23.3
Randolph	1	4.0	0	0.0	1	13.9
Russell	6	8.3	0	0.0	6	20.7
St. Clair	6	7.4	6	8.1	0	0.0
Shelby	14	6.7	10	5.2	4	24.2
Sumter	4	18.9	0	0.0	4	24.1
Talladega	11	10.1	6	8.9	5	11.9
Tallapoosa	8	14.2	5	14.5	3	13.8
Tuscaloosa	24	10.7	8	5.7	16	19.1
Walker	11	11.8	9	10.6	2	25.0
Washington	3	12.9	1	6.7	2	24.1
Wilcox	1	4.1	0	0.0	1	5.1
Winston	1	3.3	1	3.3	0	0.0

¹Rate is per 1,000 live births. Deaths are by race of the decedent and live births are by race of the mother. See formula in Appendix B. Caution should be exercised in using rates derived from small figures. Caution should also be exercised in using rates which are based on small live birth totals. Rates which apply to populations with fewer than 50 live births are denoted by an "*".

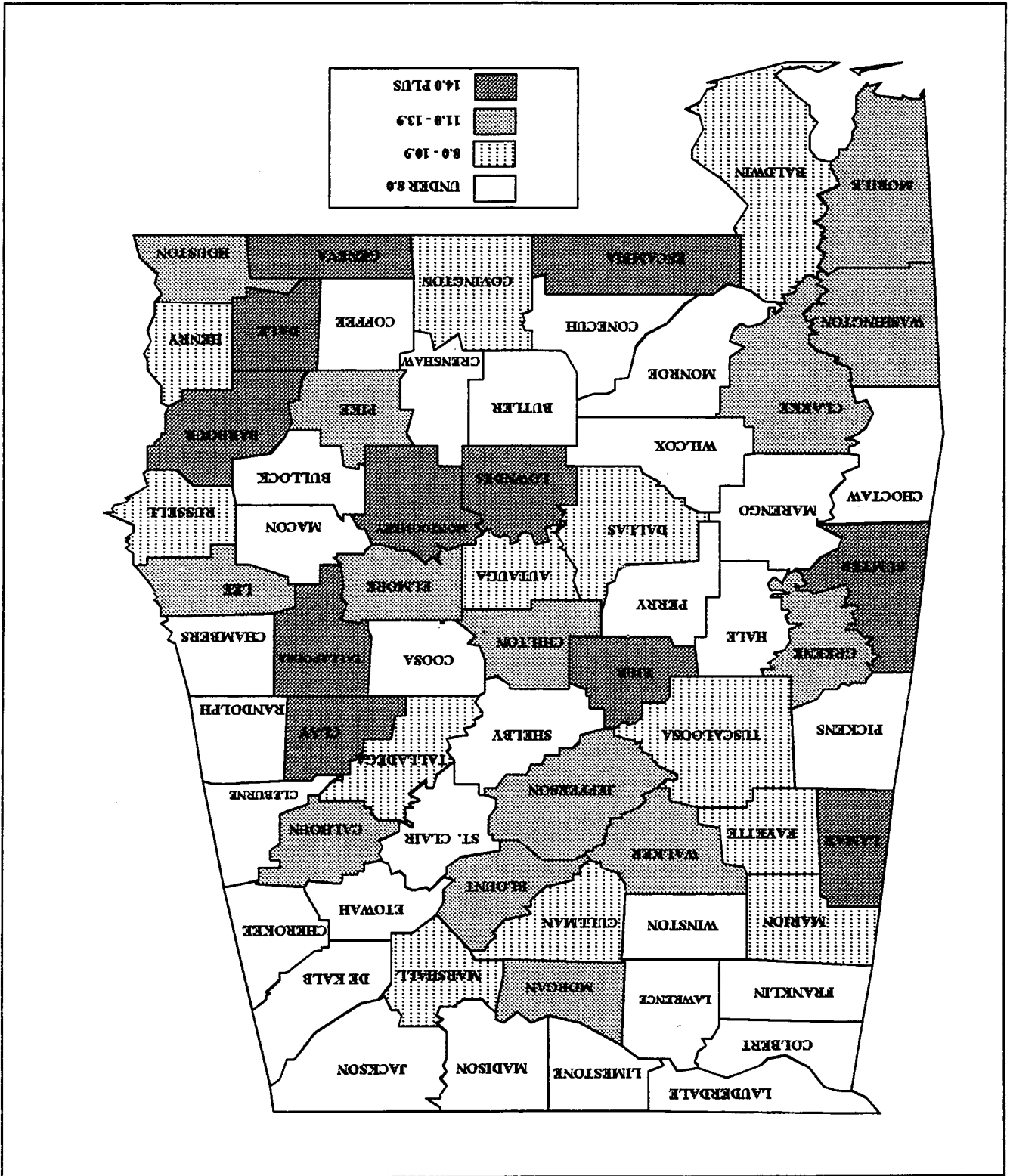


FIGURE 11
ALABAMA, 1998
INFANT MORTALITY RATES BY COUNTY

TABLE 32
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY RACE OF INFANT AND CAUSE OF DEATH
ALABAMA, 1998

CAUSES OF DEATH						
ALL CAUSES	TOTAL		WHITE		BLACK & OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
Certain intestinal infections, 008-009	1	1.6	0	0.0	1	4.9
Septicemia, 038	7	11.3	4	9.6	3	14.6
Remainder of Infectious and Parasitic Diseases, 001-007, 010-037, 039-139	7	11.3	3	7.2	4	19.5
Malignant Neoplasms, including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	1	1.6	1	2.4	0	0.0
Diseases of Blood Forming Organs, 280-289	2	3.2	0	0.0	2	9.7
Meningitis, 320-322	3	4.8	1	2.4	2	9.7
Other Diseases of Nervous System and Sense Organs, 323-389	12	19.3	9	21.7	3	14.6
Major Cardiovascular Diseases, 390-448	22	35.5	10	24.1	12	58.4
Diseases of the Heart, 390-398, 402, 404-429	15	24.2	7	16.9	8	39.0
Other Major Cardiovascular Diseases, 401, 403, 430-438, 440-448	7	11.3	3	7.2	4	19.5
Other Major Cardiovascular Diseases, 401, 403, 430-438, 440-448	0	0.0	0	0.0	0	0.0
Acute Upper Respiratory Infections, 460-465	4	6.4	1	2.4	3	14.6
Pneumonia and Influenza, 480-487	4	6.4	1	2.4	3	14.6
Remainder of Diseases of Respiratory System, 466-478, 490-519	12	19.3	4	9.6	8	39.0
Gastritis, Duodenitis, and Noninfective Enteritis and Colitis, 535, 555-558	1	1.6	1	2.4	1	4.9
Remainder of Diseases of Digestive System, 520-534, 536-553, 560-579	11	17.7	6	14.5	5	24.3
Congenital Anomalies, 740-759	116	187.0	73	176.0	43	209.4
Anencephalus and Similar Anomalies, 740	6	9.7	4	9.6	2	9.7
Spina Bifida, 741	2	3.2	2	4.8	0	0.0
Congenital Hydrocephalus, 742.3	0	0.0	0	0.0	0	0.0
Other Congenital Anomalies of Central Nervous System and Eye, 742.0-742.2, 742.4-742.9, 743	5	8.1	4	9.6	1	4.9
Congenital Anomalies of Heart, 745-746	33	53.2	22	53.0	11	53.6
Other Congenital Anomalies of Circulatory System, 747	6	9.7	3	7.2	3	14.6
Congenital Anomalies of Respiratory System, 748	16	25.8	8	19.3	8	39.0
Congenital Anomalies of Digestive System, 749-751	0	0.0	0	0.0	0	0.0
Congenital Anomalies of Genitourinary System, 752-753	7	11.3	4	9.6	3	14.6
Congenital Anomalies of Musculoskeletal System, 754-756	9	14.5	5	12.1	4	19.5
Down's Syndrome, 758.0	3	4.8	3	7.2	0	0.0
Other Chromosomal Anomalies, 758.1-758.9	12	19.3	8	19.3	4	19.5
Other and Unspecified Congenital Anomalies, 744, 757, 759	17	27.4	10	24.1	7	34.1
Certain Conditions Originating in the Perinatal Period, 760-779	334	538.5	134	323.0	200	973.8
Newborn Affected by Maternal Conditions Which May Be Unrelated to Present Pregnancy, 760	4	6.4	2	4.8	2	9.7
Newborn Affected by Complications of Placenta, Cord, and Membranes, 762	26	41.9	9	21.7	17	82.8
Newborn Affected by Other Complications of Labor and Delivery, 763	0	0.0	0	0.0	0	0.0
Slow Fetal Growth and Fetal Malnutrition, 764	0	0.0	0	0.0	0	0.0
Disorders Relating to Short Gestation and Unspecified Low Birthweight, 765	116	187.0	34	82.0	82	399.2
Disorders Relating to Long Gestation and High Birthweight, 766	0	0.0	0	0.0	0	0.0
Birth Trauma, 767	7	11.3	5	12.1	2	9.7
Intrauterine Hypoxia and Birth Asphyxia, 768	2	3.2	6	14.5	2	9.7
Fetal Distress in Liveborn Infant, 768.2-768.4	8	12.9	6	14.5	0	0.0
Birth Asphyxia, 768.5-768.9	6	9.7	4	9.6	2	9.7
Respiratory Distress Syndrome, 769	39	62.9	22	53.0	17	82.8
Other Respiratory Conditions of Newborn, 770	37	59.7	13	31.3	24	116.9
Infectious Specific to the Perinatal Period, 771	31	50.0	14	33.7	17	82.8
Infections Specific to the Perinatal Period, 772	12	19.3	5	12.1	7	34.1
Neonatal Hemorrhage, 772	42	67.7	19	45.8	23	112.0
Other Ill-Defined Conditions Originating in the Perinatal Period, 773-779	69	111.2	55	132.6	14	68.2
Sudden Infant Death Syndrome, 798.0	57	91.9	46	110.9	11	53.6
Symptoms, Signs, and Other Ill-Defined Conditions, 780-797, 798.1-799.9	12	19.3	9	21.7	3	14.6
Motor Vehicle Accidents, E810-E825	4	6.4	3	7.2	1	4.9
Inhalation and Ingestion of Food or Other Objects Causing Obstruction of Respiratory Tract or Suffocation, E911-E912	0	0.0	0	0.0	0	0.0
Accidental Mechanical Suffocation, E913	3	4.8	1	2.4	2	9.7
Other Accidental Causes and Adverse Effects, E800-E807, E826-E910, E914-E949	6	9.7	3	7.2	3	14.6
Homicide, E960-E969	1	1.6	1	2.4	0	0.0
Child Battering and Other Maltreatment, E967	1	1.6	1	2.4	0	0.0
Other Homicide, E960-E966, E968-E969	0	0.0	0	0.0	0	0.0
All Other Causes, Residual	15	24.2	6	14.5	9	43.8

¹Total rate is per 1,000 live births and cause-specific rates are per 100,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the mother. See formula in Appendix B. Caution should be exercised in using rates derived from small figures.

**TABLE 33
 INFANT DEATHS AND INFANT MORTALITY RATES
 BY COUNTY OF RESIDENCE AND AGE AT DEATH
 ALABAMA, 1998**

AREA	UNDER 1 YEAR		UNDER 28 DAYS		UNDER 7 DAYS		UNDER 1 DAY	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALABAMA	632	10.2	415	6.7	321	5.2	233	3.8
Atauga	5	8.1	3	4.8	3	4.8	3	4.8
Baldwin	17	10.2	10	6.0	8	4.8	7	4.2
Barbour	5	14.2	0	0.0	0	0.0	0	0.0
Bibb	4	14.2	2	7.1	2	7.1	2	7.1
Blount	8	11.8	5	7.4	4	5.9	2	3.0
Bullock	1	6.0	1	6.0	1	6.0	1	6.0
Butler	2	7.1	1	3.6	0	0.0	0	0.0
Calhoun	23	13.9	16	9.7	12	7.2	7	4.2
Chambers	2	4.2	1	2.1	0	0.0	0	0.0
Cherokee	2	6.8	1	3.4	0	0.0	0	0.0
Chilton	6	11.8	4	7.9	4	7.9	1	2.0
Choctaw	0	0.0	0	0.0	0	0.0	0	0.0
Clarke	6	12.2	5	10.2	5	10.2	3	6.1
Clay	3	14.4	3	14.4	3	14.4	2	9.6
Cleburne	1	5.6	0	0.0	0	0.0	0	0.0
Coffee	4	7.4	2	3.7	2	3.7	1	1.9
Colbert	5	7.0	4	5.6	3	4.2	2	2.8
Concuh	1	5.3	0	0.0	0	0.0	0	0.0
Coosa	0	0.0	0	0.0	0	0.0	0	0.0
Covington	5	10.6	4	8.5	3	6.4	2	4.2
Crenshaw	0	0.0	0	0.0	0	0.0	0	0.0
Cullman	10	17.9	11	14.0	5	8.9	4	5.1
Dale	14	17.9	7	6.9	7	8.9	4	5.1
Dallas	9	10.5	8	9.3	7	8.1	5	5.8
Dekalb	4	4.7	1	1.2	1	1.2	1	1.2
Elmore	11	12.3	7	7.9	4	4.5	4	4.5
Escambia	8	16.1	6	12.0	5	10.0	5	10.0
Etowah	10	7.3	4	2.9	3	2.2	1	0.7
Fayette	2	9.2	1	4.6	1	4.6	0	0.0
Franklin	1	2.4	1	2.4	1	2.4	0	0.0
Geneva	5	15.4	2	6.2	1	3.1	0	0.0
Greene	2	13.0	2	13.0	2	13.0	2	13.0
Hale	0	0.0	0	0.0	0	0.0	0	0.0
Henry	2	9.8	1	4.9	1	4.9	1	4.9
Houston	13	11.0	11	9.3	10	8.4	6	5.1
Jackson	4	6.0	0	0.0	0	0.0	0	0.0
Jefferson	116	12.4	77	8.2	57	6.1	45	4.8
Lamar	5	25.0	1	5.0	1	5.0	1	5.0
Lauderdale	5	4.7	1	0.9	1	0.9	1	0.9
Lawrence	3	7.1	2	4.7	2	4.7	1	2.4
Lee	16	11.4	8	5.7	6	4.3	2	1.4
Limestone	2	2.3	1	1.1	1	1.1	0	0.0
Lowndes	4	17.5	4	17.5	3	13.1	2	8.7
Macon	2	6.5	2	6.5	1	3.3	1	3.3
Madison	19	5.0	10	2.6	7	1.8	2	0.5
Marengo	1	3.3	1	3.3	1	3.3	1	3.3
Marion	4	10.5	3	7.9	2	5.3	2	5.3
Marshall	10	8.3	3	2.5	2	1.7	0	0.0
Mobile	75	11.7	55	8.6	40	6.3	34	5.3
Monroe	3	7.9	3	7.9	3	7.9	3	7.9
Montgomery	56	16.0	42	12.0	33	9.4	24	6.8
Morgan	21	13.6	15	9.7	9	5.8	6	3.9
Perry	0	0.0	0	0.0	0	0.0	0	0.0
Pickens	0	0.0	0	0.0	0	0.0	0	0.0
Pike	5	11.3	5	11.3	2	4.5	2	4.5
Randolph	1	4.0	1	4.0	1	4.0	1	4.0
Russell	6	8.3	3	4.2	3	4.2	3	4.2
St. Clair	6	7.4	2	2.5	2	2.5	2	2.5
Shelby	14	6.7	12	5.7	12	5.7	11	5.2
Sumter	4	18.9	4	18.9	3	14.2	1	4.7
Talladega	11	10.1	4	3.7	4	3.7	3	2.7
Tallapoosa	8	14.2	5	8.9	4	7.1	3	5.3
Tuscaloosa	24	10.7	17	7.6	17	7.6	15	6.7
Walker	11	11.8	7	7.5	5	5.4	3	3.2
Washington	3	12.9	2	8.6	1	4.3	1	4.3
Wilcox	1	4.1	0	0.0	0	0.0	0	0.0
Winston	1	3.3	1	3.3	0	0.0	0	0.0

Rates are per 1,000 live births to residents of specified area. Deaths are by race of the decedent and live births are by race of the mother. Caution should be exercised in using rates derived from small numbers. See formula in Appendix B.

Rate is per 1,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the mother. Caution should be exercised in using rates derived from small figures. See formula in Appendix B.

AGE OF MOTHER	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
UNDER 15	5	21.3	2	35.1	3	16.9
15-17	54	14.3	26	14.1	28	14.5
18-19	90	13.6	39	10.7	51	17.1
20-24	196	10.4	95	8.2	101	13.7
25-29	145	8.6	78	6.2	67	15.4
30-34	86	8.3	46	5.7	40	17.0
35-39	44	10.1	23	7.2	21	18.3
40+	11	14.2	6	11.4	5	20.0
NOT STATED	1		1		0	
TOTAL	632	10.2	316	7.6	316	15.4

TABLE 35
INFANT DEATHS AND INFANT MORTALITY RATES
BY RACE OF INFANT AND AGE OF MOTHER
ALABAMA, 1998

Rate is per 1,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the mother. Caution should be exercised in using rates derived from small figures. See formula in Appendix B.

AGE AT DEATH	TOTAL		WHITE		BLACK & OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
UNDER 1 DAY	233	3.8	93	2.2	140	6.8
1 DAY - 6 DAYS	88	1.4	40	1.0	48	2.3
7 DAYS - 27 DAYS	94	1.5	56	1.3	38	1.9
28 DAYS - 364 DAYS	217	3.5	127	3.1	90	4.4
TOTAL	632	10.2	316	7.6	316	15.4

TABLE 34
INFANT DEATHS AND INFANT MORTALITY RATES
BY RACE AND AGE AT DEATH
ALABAMA, 1998

TABLE 36
INFANT DEATHS AND INFANT MORTALITY RATES
BY WEIGHT AT BIRTH AND RACE OF INFANT
ALABAMA, 1998

BIRTH WEIGHT IN GRAMS	TOTAL		WHITE		BLACK AND OTHER
	NUMBER	RATE	NUMBER	RATE	NUMBER
0-499 GRAMS	145	900.6	48	813.6	97
500-999 GRAMS	176	360.7	70	353.5	106
1000-1499 GRAMS	39	67.8	22	76.4	17
1500-1999 GRAMS	40	36.5	25	42.4	15
2000-2499 GRAMS	43	12.5	25	13.2	18
2500-2999 GRAMS	66	5.7	45	6.9	21
3000-3499 GRAMS	73	3.2	46	3.1	27
3500-3999 GRAMS	31	1.9	20	1.6	11
4000-4499 GRAMS	11	2.4	9	2.4	2
4500-4999 GRAMS	2	2.8	2	3.4	0
5000 PLUS GRAMS	0	0.0	0	0.0	0
UNKNOWN	6		4		2
TOTAL	632	10.2	316	7.6	316
				RATE	RATE
				NUMBER	NUMBER

Rate is per 1,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the mother. See formula in Appendix B. Caution should be exercised in using rates derived from small figures. Caution should also be exercised in using rates which are based on small live birth totals. Rates which apply to populations with fewer than 50 live births are denoted by an "**".

FIGURE 12
INFANT MORTALITY RATES
BY BIRTH WEIGHT
ALABAMA, 1998

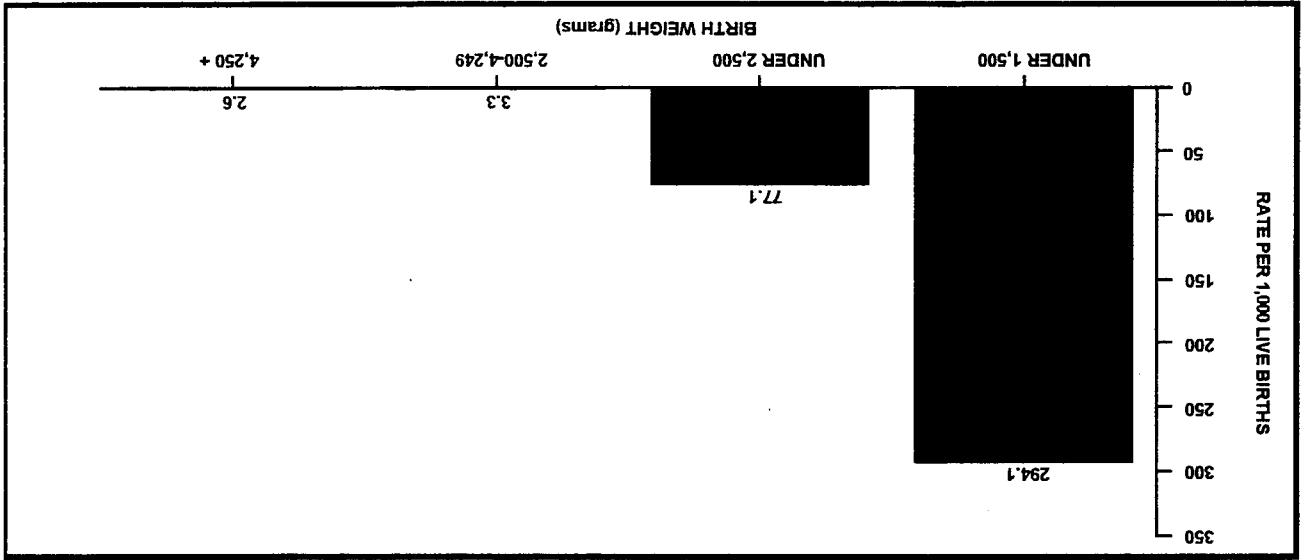


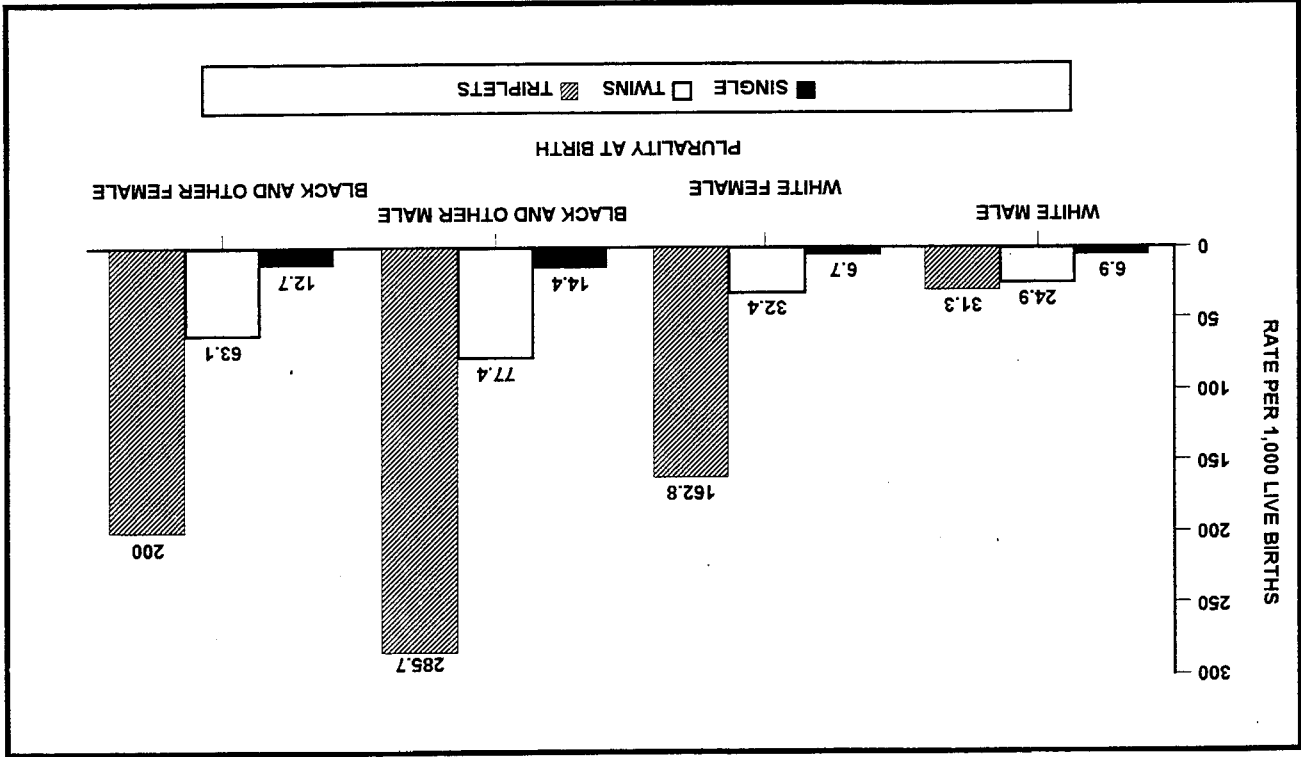
TABLE 37
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY RACE, SEX AND PLURALITY AT BIRTH
ALABAMA, 1998

PLURALITY AT BIRTH	TOTAL		WHITE MALE		WHITE FEMALE		BLACK AND OTHER MALE		BLACK AND OTHER FEMALE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL	632	10.2	159	7.5	157	7.8	171	16.3	145	14.4
SINGLE	544	9.0	143	6.9	131	6.7	146	14.4	124	12.7
MULTIPLE	88	46.1	16	24.8	26	40.8	25	82.2	21	65.2
TWINS	77	42.7	15	24.9	19	32.4	23	77.4	20	63.1
TRIPLETS	11 ²	126.4	1	31.3	7 ²	162.8	2	285.7	1	200.0

¹ Rate is per 1,000 births. Deaths are by race of the decedent and births are by race of the mother. See formula in Appendix B. Caution should be exercised in using rates derived from small figures. Caution should also be exercised in using rates which are based on small birth totals. Rates which apply to populations with fewer than 50 births are denoted by an "**".

² This figure includes three quintuplets.

FIGURE 13
INFANT MORTALITY RATES BY RACE,
SEX AND PLURALITY AT BIRTH¹
ALABAMA, 1998



¹ The rate for white female triplets includes three quintuplets.

TABLE 38
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY MARITAL STATUS, AGE OF MOTHER AND RACE²
ALABAMA, 1998

AGE OF MOTHER	TOTAL		MARRIED WOMEN		UNMARRIED WOMEN		MARITAL STATUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
	NOT STATED							
TOTAL	632	10.2	318	7.8	314	14.9	0	0
UNDER 15	5	21.3	0	0.0	5	21.6	0	0
15-17	54	14.3	12	16.9	42	31.7	0	0
18-19	90	13.6	22	9.6	68	15.8	0	0
20-24	196	10.4	89	8.3	107	13.1	0	0
25-29	145	8.6	90	6.6	55	16.9	0	0
30-34	86	8.3	67	7.4	19	14.7	0	0
35-39	44	10.1	28	7.5	16	24.6	0	0
40+	11	14.2	9	13.9	2	15.6	0	0
NOT STATED	1		1		0		0	0
WHITE ²	316	7.6	228	6.6	88	12.3	0	0
UNDER 15	2	35.1	0	0.0	2	37.0	0	0
15-17	26	14.1	12	17.6	14	12.1	0	0
18-19	39	10.7	18	8.7	21	13.5	0	0
20-24	95	8.2	67	7.4	28	10.9	0	0
25-29	78	6.2	64	5.6	14	12.8	0	0
30-34	46	5.7	40	5.3	6	13.7	0	0
35-39	23	7.2	20	6.7	3	12.4	0	0
40+	6	11.4	6	12.1	0	0.0	0	0
NOT STATED	1		1		0		0	0
BLACK AND OTHER ²	316	15.4	90	13.7	226	16.2	0	0
UNDER 15	3	16.9	0	0.0	3	16.9	0	0
15-17	28	14.5	0	0.0	28	14.7	0	0
18-19	51	17.1	4	17.8	47	17.1	0	0
20-24	101	13.7	22	12.7	79	14.0	0	0
25-29	67	15.4	26	11.9	41	19.1	0	0
30-34	40	17.0	27	18.1	13	15.2	0	0
35-39	21	18.3	8	10.8	13	31.8	0	0
40+	5	20.0	3	19.5	2	20.8	0	0
NOT STATED	0		0		0		0	0

¹Rate is per 1,000 births in specified group. See formula in Appendix B. Caution should be exercised in using rates derived from small figures. Caution should also be exercised in using rates which are based on small birth totals. Rates which apply to populations with fewer than 50 births are denoted by an "**".

²Deaths are by race of the decedent and births are by race of the mother.

TABLE 39
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY LIVE BIRTH ORDER
ALABAMA, 1998

LIVE BIRTH ORDER	LIVE BIRTHS	INFANT DEATHS	RATE
TOTAL	62,025	632	10.2
FIRST	26,367	284	10.8
SECOND	21,415	172	8.0
THIRD	9,554	100	10.5
FOURTH	3,122	40	12.8
FIFTH	943	22	23.3
SIXTH	352	7	19.9
SEVENTH & ABOVE	260	4	15.4
NOT STATED	12	3	

¹Rate is per 1,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the mother. See formula in Appendix B. Caution should be exercised in using rates derived from small figures.

TABLE 40
INFANT DEATHS AND INFANT MORTALITY RATES¹
BY NUMBER OF PRENATAL VISITS AND RACE OF INFANT
ALABAMA, 1998

PRENATAL VISITS	TOTAL		WHITE		BLACK AND OTHER
	NUMBER	RATE	NUMBER	RATE	NUMBER
TOTAL	632	10.2	316	7.6	316
NONE	54	78.4	13	49.1	41
1-2	39	64.1	10	49.0	29
3-5	113	45.4	33	37.7	80
6-7	91	26.3	44	28.4	47
8-10	146	10.5	90	10.8	56
11-13	80	4.3	51	3.9	29
14-16	62	3.4	47	3.3	15
17+	27	7.3	20	7.1	7
NOT STATED	20		8		12

¹Rate is per 1,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the mother. See formula in Appendix B. Caution should be exercised in using rates derived from small figures.

**TABLE 42
NEONATAL DEATHS AND NEONATAL MORTALITY RATES, BY RACE
ALABAMA AND UNITED STATES, 1940-1998**

YEAR	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
	ALABAMA		ALABAMA		ALABAMA	
	U.S.	U.S.	U.S.	U.S.	U.S.	U.S.
1940	2,315	36.7	1,257	35.2	1,058	44.1
1941	2,257	34.6	1,264	31.2	993	40.1
1942	2,182	29.8	1,210	26.1	972	36.3
1943	2,039	26.0	1,156	23.0	883	31.5
1944	2,014	27.1	1,153	24.4	861	31.9
1945	1,968	28.1	1,107	25.2	861	32.8
1946	2,106	26.7	1,219	23.9	887	31.7
1947	2,213	25.2	1,269	22.0	944	31.3
1948	2,203	25.8	1,255	23.4	948	29.9
1949	2,242	27.0	1,179	22.7	1,063	32.9
1950	2,050	24.8	1,085	21.9	965	29.3
1951	2,086	24.9	1,107	21.7	979	29.9
1952	2,029	24.6	1,046	20.5	983	30.9
1953	1,944	23.6	1,023	20.2	921	28.9
1954	1,918	23.2	990	19.5	928	29.3
1955	1,818	22.2	931	18.7	887	27.7
1956	1,768	21.0	934	18.2	834	25.6
1957	1,872	22.3	993	19.3	935	30.3
1958	1,928	23.4	885	17.3	869	27.8
1959	1,754	21.3	885	17.3	869	27.7
1960	1,672	20.6	939	18.5	733	24.3
1961	1,686	20.9	908	17.9	778	25.9
1962	1,610	20.5	877	17.8	733	25.0
1963	1,626	21.4	878	18.4	748	26.5
1964	1,577	20.6	846	17.5	731	26.0
1965	1,392	19.7	772	17.3	620	23.9
1966	1,292	19.4	718	16.7	574	24.4
1967	1,162	18.0	647	15.5	515	22.5
1968	1,201	18.9	690	16.4	511	23.8
1969	1,170	18.1	663	15.2	507	23.9
1970	1,171	17.3	667	14.6	504	22.9
1971	1,113	16.7	611	13.8	502	22.3
1972	958	15.5	516	12.9	442	20.4
1973	890	15.0	501	12.9	389	18.8
1974	894	15.1	490	12.7	404	19.5
1975	818	14.1	427	11.4	391	19.2
1976	795	13.7	410	11.0	385	18.8
1977	687	11.1	367	9.1	320	14.8
1978	655	10.9	334	8.6	321	15.0
1979	582	9.3	306	7.7	276	12.2
1980	623	9.8	316	7.8	307	13.5
1981	512	8.3	268	6.8	244	11.2
1982	556	9.2	285	7.3	271	12.7
1983	486	8.2	265	6.9	221	10.7
1984	515	7.0	263	6.9	252	12.1
1985	496	8.3	273	7.0	223	10.8
1986	540	9.1	263	6.8	277	13.3
1987	482	8.1	233	6.0	249	12.0
1988	487	8.0	243	6.2	244	11.3
1989	500	8.0	256	6.4	244	10.9
1990	461	7.3	233	5.7	228	10.2
1991	460	7.3	204	5.0	256	11.6
1992	428	6.9	200	5.0	228	10.3
1993	408	6.6	200	5.0	208	9.6
1994	395	6.5	163	4.1	232	10.9
1995	388	6.4	180	4.5	208	10.1
1996	414	6.8	206	5.1	208	10.2
1997	374	6.1	193	4.8	181	8.8
1998	415	6.7	189	4.6	226	11.0

Rate is per 1,000 live births in specified group. For 1940-1989 infant deaths are based on race of the decedent and live births are based on the race of the child. Since 1990, infant deaths are based on race of the decedent and live births are based on the mother. See formula in Appendix B.

**TABLE 43
POSTNEONATAL DEATHS AND POSTNEONATAL MORTALITY RATES¹ BY RACE
ALABAMA AND UNITED STATES, 1940-1998**

YEAR	TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
	ALABAMA		ALABAMA		ALABAMA	
	U.S.	U.S.	U.S.	U.S.	U.S.	U.S.
1940	1,547	24.6	18.2	18.9	16.0	33.8
1941	1,575	24.1	17.6	18.1	15.1	35.8
1942	1,391	19.0	14.7	13.7	12.8	30.0
1943	1,440	18.4	15.7	13.3	13.8	29.6
1944	1,377	18.6	15.1	14.0	13.3	27.8
1945	1,173	16.7	14.0	13.1	12.3	25.0
1946	869	11.0	9.8	7.7	8.7	18.0
1947	1,016	11.6	9.4	8.1	8.4	17.5
1948	985	11.5	9.8	8.8	8.7	17.4
1949	1,061	12.6	9.9	9.3	8.6	18.7
1950	954	11.6	8.7	7.9	7.4	17.0
1951	985	11.7	8.4	7.8	6.9	17.5
1952	1,016	12.3	8.6	7.3	7.0	19.0
1953	854	10.3	8.2	6.3	6.7	17.3
1954	851	10.3	7.5	6.7	6.1	15.9
1955	805	9.8	7.3	5.9	5.9	15.6
1956	849	10.1	7.1	5.4	5.7	15.1
1957	828	9.9	7.2	5.9	5.8	15.9
1958	1,002	12.2	7.6	7.0	6.0	16.7
1959	872	10.6	7.4	6.1	5.7	16.3
1960	931	11.5	7.3	6.3	5.7	16.3
1961	829	10.3	6.9	5.7	5.5	14.5
1962	799	10.2	7.0	5.0	5.4	15.3
1963	827	10.9	7.0	6.2	5.5	15.4
1964	793	10.4	6.9	5.7	5.4	14.6
1965	773	11.0	7.0	5.8	5.14	14.9
1966	651	9.8	6.5	6.0	5.0	14.0
1967	569	8.8	5.9	5.0	4.7	12.1
1968	500	7.9	5.7	4.5	4.5	11.5
1969	522	8.1	5.3	5.2	4.2	10.4
1970	457	6.8	4.9	3.8	4.0	9.5
1971	453	6.8	4.9	4.2	4.1	8.9
1972	427	6.9	4.9	4.4	4.0	8.5
1973	423	7.1	4.7	4.6	4.0	8.3
1974	337	5.7	4.4	4.1	3.7	7.4
1975	312	5.4	4.5	3.4	3.8	7.4
1976	361	6.2	4.3	4.2	3.6	7.2
1977	366	5.9	4.2	4.2	3.6	7.0
1978	315	5.2	4.3	3.4	3.6	7.1
1979	309	4.9	4.2	3.6	3.5	6.9
1980	337	5.3	4.1	3.8	3.5	6.6
1981	284	4.6	3.9	3.4	3.4	6.0
1982	275	4.6	3.8	3.0	3.3	6.0
1983	288	4.9	3.9	3.4	3.3	6.0
1984	249	4.2	3.8	2.7	3.2	5.9
1985	256	4.3	3.6	3.4	3.2	5.5
1986	248	4.2	3.7	2.9	3.1	5.6
1987	244	4.1	3.6	2.7	3.1	5.4
1988	248	4.1	3.6	3.1	3.1	5.4
1989	256	4.1	3.6	3.0	3.0	5.6
1990	228	3.6	3.4	2.6	2.8	5.7
1991	244	3.9	3.4	3.1	2.8	5.6
1992	223	3.6	3.1	2.6	2.6	5.2
1993	228	3.7	3.1	2.9	2.5	5.1
1994	222	3.6	2.9	2.8	2.4	4.9
1995	204	3.4	2.7	2.6	2.2	4.5
1996	220	3.6	2.5	3.1	2.1	4.3
1997	205	3.4	2.5	2.7	2.0	4.0
1998	217	3.5	2.4	3.1	2.0	4.1

Rate is per 1,000 live births in specified group. For 1940-1989 infant deaths are based on race of the decedent and live births are based on the race of the child. Since 1990, infant deaths are based on race of the decedent and live births are based on the race of the mother. See formula in Appendix B.

**TABLE 44
NEONATAL AND POSTNEONATAL DEATHS AND MORTALITY
RATES¹ BY COUNTY OF RESIDENCE
ALABAMA, 1998**

AREA	TOTAL		NEONATAL		POSTNEONATAL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALABAMA	632	10.2	415	6.7	217	3.5
Autauga	17	10.2	10	6.0	7	4.2
Baldwin	5	14.2	0	0.0	5	14.2
Barbour	5	14.2	0	0.0	5	14.2
Bibb	4	11.8	5	7.4	3	4.4
Bloount	8	6.0	1	6.0	0	0.0
Butler	2	7.1	1	3.6	1	3.6
Calhoun	23	13.9	16	9.7	7	4.2
Chambers	2	4.2	1	2.1	1	2.1
Cherokee	2	6.8	1	3.4	1	3.4
Chilton	6	11.8	4	7.9	2	3.9
Choctaw	0	0.0	0	0.0	0	0.0
Clarke	6	12.2	5	10.2	1	2.0
Clay	3	14.4	3	14.4	0	0.0
Cleburne	1	5.6	0	0.0	1	5.6
Coffee	4	7.4	2	3.7	2	3.7
Colbert	5	7.0	4	5.6	1	1.4
Conecuh	1	5.3	0	0.0	1	5.3
Coosa	0	0.0	0	0.0	0	0.0
Covington	5	10.6	4	8.5	1	2.1
Crenshaw	0	0.0	0	0.0	0	0.0
Cullman	10	9.9	7	6.9	3	3.0
Dale	14	17.9	11	14.0	3	3.8
Dallas	9	10.5	8	9.3	1	1.2
Dekalb	4	4.7	1	1.2	3	3.5
Elmore	11	12.3	7	7.9	4	4.5
Escambia	8	16.1	6	12.0	2	4.0
Etowah	10	7.3	4	2.9	6	4.4
Fayette	2	9.2	1	4.6	1	4.6
Franklin	1	2.4	1	2.4	0	0.0
Geneva	5	15.4	2	6.2	3	9.3
Greene	2	13.0	2	13.0	0	0.0
Hale	0	0.0	0	0.0	0	0.0
Henry	2	9.8	1	4.9	1	4.9
Houston	13	11.0	11	9.3	2	1.7
Jackson	4	6.0	0	0.0	4	6.0
Jefferson	116	12.4	77	8.2	39	4.2
Lamar	5	25.0	1	5.0	4	20.0
Lauderdale	5	4.7	1	0.9	4	3.7
Lawrence	3	7.1	2	4.7	1	2.4
Lee	16	11.4	8	5.7	8	5.7
Limestone	2	2.3	1	1.1	1	1.1
Lowndes	4	17.5	4	17.5	0	0.0
Macon	2	6.5	2	6.5	0	0.0
Madison	19	5.0	10	2.6	9	2.4
Marion	1	3.3	1	3.3	0	0.0
Marshall	10	8.3	3	2.5	7	5.8
Mobile	75	11.7	55	8.6	20	3.1
Monroe	3	7.9	3	7.9	0	0.0
Montgomery	56	16.0	42	12.0	14	4.0
Morgan	21	13.6	15	9.7	6	3.9
Perry	0	0.0	0	0.0	0	0.0
Pike	5	11.3	5	11.3	0	0.0
Randolph	1	4.0	1	4.0	0	0.0
Russell	6	8.3	3	4.2	3	4.2
St. Clair	6	7.4	2	2.5	4	5.0
Shelby	14	6.7	12	5.7	2	1.0
Sumter	4	18.9	4	18.9	0	0.0
Talladega	11	10.1	4	3.7	7	6.4
Tallapoosa	8	14.2	5	8.9	3	5.3
Tuscaloosa	24	10.7	17	7.6	7	3.1
Walker	11	11.8	7	7.5	4	4.3
Washington	3	12.9	2	8.6	1	4.3
Wilcox	1	4.1	0	0.0	1	4.1
Winston	1	3.3	1	3.3	0	0.0

Rates are based on 1,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the mother. See formula in Appendix B. Caution should be exercised in using rates derived from small figures. Caution should also be exercised in using rates which are based on small birth totals.

**TABLE 45
NEONATAL AND POSTNEONATAL DEATHS AND MORTALITY RATES,¹
BY CAUSE OF DEATH
ALABAMA, 1998**

CAUSES OF DEATH		TOTAL		NEONATAL		POSTNEONATAL		
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALL CAUSES	632	10.2	415	6.7	217	3.5		
Certain intestinal infections, 008-009	1	1.6	0	0.0	1	1.6		
Septicemia, 038	7	11.3	0	0.0	7	11.3		
Remainder of infectious and parasitic diseases, 001-007, 010-037, 039-139	7	11.3	1	1.6	6	9.7		
Malignant neoplasms, including neoplasms of lymphatic and hematopoietic tissues, 140-208	1	1.6	0	0.0	1	1.6		
Diseases of blood-forming organs, 280-289	2	3.2	1	1.6	1	1.6		
Meningitis, 320-322	3	4.8	2	3.2	1	1.6		
Other diseases of nervous system and sense organs, 323-389	12	19.3	2	3.2	10	16.1		
Major cardiovascular diseases, 390-448	22	35.5	7	11.3	15	24.2		
Diseases of the heart, 390-398, 402, 404-429	15	24.2	4	6.4	11	17.7		
Other major cardiovascular diseases, 401, 403, 430-438, 440-448	7	11.3	4	6.4	3	4.8		
Acute upper respiratory infections, 460-465	0	0.0	0	0.0	0	0.0		
Pneumonia and influenza, 480-487	4	6.4	0	0.0	4	6.4		
Remainder of diseases of respiratory system, 466-478, 490-519	12	19.3	2	3.2	10	16.1		
Remainder of diseases of digestive system, 520-534, 536-553, 560-579	11	17.7	2	3.2	9	14.5		
Congenital anomalies, 740-759	116	187.0	79	127.4	37	59.7		
Anencephalus and similar anomalies, 740	6	9.7	6	9.7	0	0.0		
Spina bifida, 741	2	3.2	2	3.2	0	0.0		
Congenital hydrocephalus, 742.3	0	0.0	0	0.0	0	0.0		
Other congenital anomalies of central nervous system and eye, 742.0-742.2, 742.4-742.9, 743	5	8.1	5	8.1	0	0.0		
Congenital anomalies of heart, 745-746	33	53.2	13	21.0	20	32.2		
Other congenital anomalies of circulatory system, 747	6	9.7	4	6.4	2	3.2		
Congenital anomalies of respiratory system, 748	16	25.8	15	24.2	1	1.6		
Congenital anomalies of digestive system, 749-751	0	0.0	0	0.0	0	0.0		
Congenital anomalies of genitourinary system, 752-753	7	11.3	7	11.3	0	0.0		
Congenital anomalies of musculoskeletal system, 754-756	9	14.5	6	9.7	3	4.8		
Down's syndrome, 758.0	3	4.8	3	4.8	0	0.0		
Other chromosomal anomalies, 758.1-758.9	12	19.3	8	12.9	4	6.4		
Other and unspecified congenital anomalies, 744, 757, 759	17	27.4	10	16.1	7	11.3		
Certain conditions originating in the perinatal period, 760-779	334	538.5	309	498.2	25	40.3		
Newborn affected by maternal conditions which may be unrelated to present pregnancy, 760	4	6.4	4	6.4	0	0.0		
Newborn affected by complications of pregnancy, 761	26	41.9	25	40.3	1	1.6		
Newborn affected by complications of labor and delivery, 762	12	19.3	12	19.3	0	0.0		
Newborn affected by other complications of labor and delivery, 763	0	0.0	0	0.0	0	0.0		
Disorders relating to short gestation and unspecified low birthweight, 765	116	187.0	115	185.4	1	1.6		
Disorders relating to long gestation and high birthweight, 766	0	0.0	0	0.0	0	0.0		
Birth trauma, 767	7	11.3	7	11.3	0	0.0		
Intrauterine hypoxia and birth asphyxia, 768	8	12.9	6	9.7	2	3.2		
Fetal distress in liveborn infant, 768.2-768.4	2	3.2	2	3.2	0	0.0		
Birth asphyxia, 768.5-768.9	6	9.7	4	6.4	2	3.2		
Respiratory distress syndrome, 769	39	62.9	38	61.3	1	1.6		
Other respiratory conditions of newborn, 770	37	59.7	26	41.9	11	17.7		
Infections specific to the perinatal period, 771	31	50.0	29	46.8	2	3.2		
Neonatal hemorrhage, 772	12	19.3	12	19.3	0	0.0		
Other ill-defined conditions originating in the perinatal period, 773-779	42	67.7	35	56.4	7	11.3		
Symptoms, signs, and ill-defined conditions, 780-799	69	111.2	2	3.2	67	108.0		
Sudden infant death syndrome, 798.0	57	91.9	1	1.6	56	90.3		
Symptoms, signs, and other ill-defined conditions, 780-797, 798.1-799	12	19.3	1	1.6	11	17.7		
Accidents and adverse effects, E800-E949	13	21.0	0	0.0	13	21.0		
Motor vehicle accidents, E810-E825	4	6.4	0	0.0	4	6.4		
Inhalation and ingestion of food or other objects causing obstruction of respiratory tract or suffocation, E911-E912	0	0.0	0	0.0	0	0.0		
Accidental mechanical suffocation, E913	3	4.8	0	0.0	3	4.8		
Other accidental causes and adverse effects, E800-E807, E826-E910, E914-E949	6	9.7	0	0.0	6	9.7		
Homicide, E960-E969	1	1.6	0	0.0	1	1.6		
Child battering and other maltreatment, E967	1	1.6	0	0.0	1	1.6		
Other homicide, E960-E966, E968-E969	0	0.0	0	0.0	0	0.0		
All other causes, residual	15	24.2	6	9.7	9	14.5		

¹Total rate is per 1,000 live births and cause-specific rates are per 100,000 live births in specified group. Deaths are by race of the decedent and live births are by race of the mother. See formula in Appendix B. Caution should be exercised in using rates derived from small figures.

TABLE 46
PERINATAL DEATHS AND PERINATAL MORTALITY RATES
BY COUNTY OF RESIDENCE AND RACE
ALABAMA, 1998

AREA	TOTAL		WHITE		BLACK & OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
ALABAMA	626	10.0	297	7.1	329	15.9
Autauga	5	8.1	4	8.3	1	7.3
Baldwin	15	9.0	9	6.6	6	9.5
Barbour	2	5.6	0	0.0	2	9.5
Bibb	2	7.1	1	4.6	1	15.6
Blount	8	11.7	8	11.9	0	0.0
Bullock	2	12.0	0	0.0	2	14.3
Butler	1	3.5	0	0.0	1	6.7
Calhoun	20	12.0	14	11.2	6	14.4
Chambers	1	2.1	1	3.9	0	0.0
Cherokee	0	0.0	0	0.0	0	0.0
Chilton	9	17.5	7	15.6	2	31.3
Choctaw	0	0.0	0	0.0	0	0.0
Clarke	11	22.1	3	12.0	8	32.4
Clay	3	14.4	2	11.5	1	28.6*
Cleburne	0	0.0	0	0.0	0	0.0
Coffee	3	5.6	2	4.9	1	7.9
Colbert	4	5.6	4	6.8	0	0.0
Conecuh	1	5.3	1	12.7	0	0.0
Coosa	1	7.9	1	11.5	0	0.0
Covington	3	6.4	2	5.3	1	10.3
Crenshaw	1	6.0	1	8.1	0	0.0
Cullman	8	7.9	8	8.0	0	0.0
Dale	9	11.5	7	12.4	2	9.0
Dallas	13	15.0	2	9.8	11	16.6
DeKalb	7	8.1	7	8.4	0	0.0
Elmore	10	11.1	8	11.9	2	8.9
Escambia	5	10.0	2	6.7	3	15.2
Etowah	9	6.5	4	3.5	5	19.9
Fayette	2	9.2	2	10.4	0	0.0
Franklin	4	9.6	4	10.1	0	0.0
Geneva	5	15.2	5	17.9	0	0.0
Greene	3	19.4	0	0.0	3	21.9
Hale	0	0.0	0	0.0	0	0.0
Henry	1	4.9	0	0.0	1	12.5
Houston	16	13.4	5	6.3	11	27.8
Jackson	2	3.0	2	3.1	0	0.0
Jefferson	108	11.5	36	7.5	72	15.7
Lamar	2	10.0	2	11.1	0	0.0
Lauderdale	4	3.7	4	4.3	0	0.0
Lawrence	2	4.7	1	2.6	1	22.7*
Lee	13	9.2	9	9.2	4	9.3
Limestone	3	3.4	3	3.9	0	0.0
Lowndes	5	21.6	0	0.0	5	26.6
Macon	6	19.2	0	0.0	6	22.4
Madison	23	6.0	11	4.1	12	10.6
Marengo	2	6.5	1	8.3	1	5.3
Marion	4	10.5	4	10.8	0	0.0
Marshall	3	2.5	2	1.7	1	25.6*
Mobile	78	12.1	33	8.8	45	16.7
Monroe	7	18.2	2	10.2	5	26.5
Montgomery	56	15.9	13	8.9	43	20.7
Morgan	17	11.0	11	8.3	6	27.1
Perry	5	23.9	1	23.8*	4	24.0
Pickens	1	3.5	0	0.0	1	6.3
Pike	5	11.2	0	0.0	5	22.9
Randolph	1	4.0	0	0.0	1	13.9
Russell	5	6.9	1	2.3	4	13.7
St. Clair	6	7.4	6	8.0	0	0.0
Shelby	21	9.9	15	7.7	6	35.7
Sumter	3	14.2	0	0.0	3	18.1
Talladega	13	11.8	4	5.9	9	21.2
Tallapoosa	11	19.3	5	14.5	6	26.9
Tuscaloosa	21	9.3	6	4.3	15	17.9
Walker	11	11.7	10	11.6	1	12.5
Washington	1	4.3	0	0.0	1	12.0
Wilcox	2	8.2	0	0.0	2	10.1
Winston	1	3.3	1	3.3	0	0.0

Rate is per 1,000 live births and fetal deaths of 28 or more weeks in gestation. Infant deaths are by race of decedent. Fetal deaths and live births are by race of mother. See formula in Appendix B. Caution should be exercised in using rates derived from small figures. Caution should also be exercised in using rates which are based on small delivery totals. Rates which apply to populations with fewer than 50 deliveries are denoted by an ***.

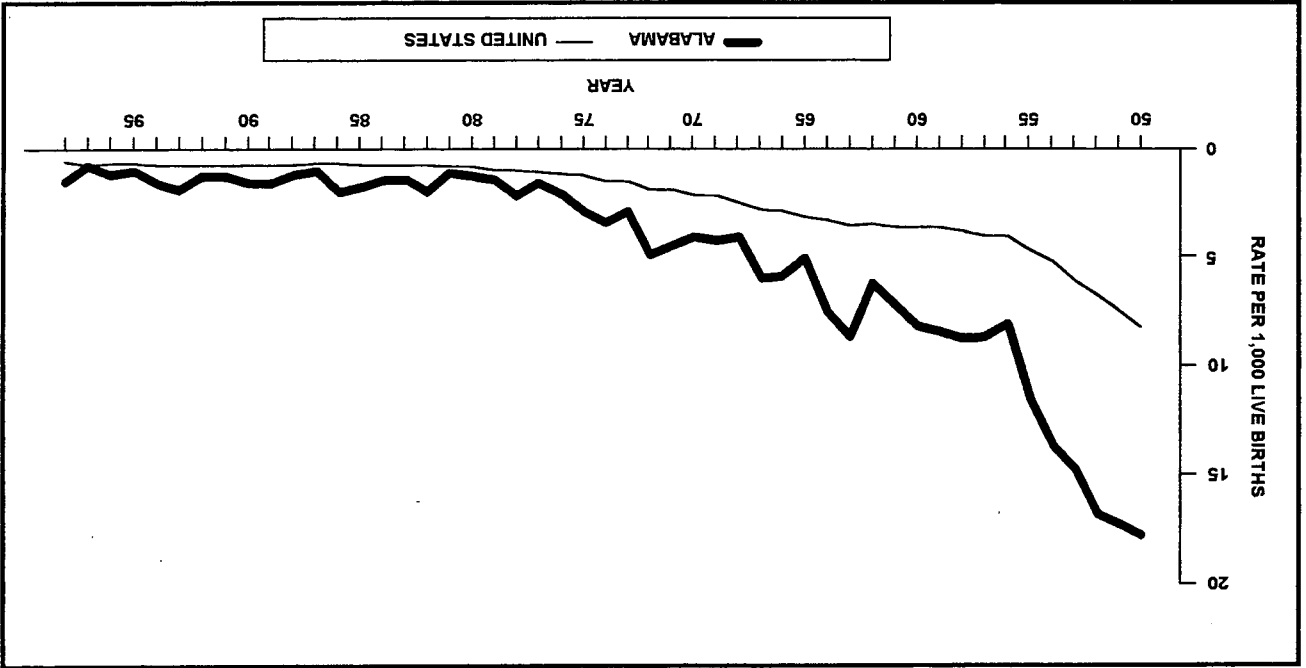


FIGURE 15
MATERNAL MORTALITY RATES
ALABAMA AND UNITED STATES, 1950-1998

Rate is per 10,000 live births in specified group. Deaths are by race of the decedent. Live births are by race of the child prior to 1990 and by race of the mother since 1990. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers. Due to very small numbers, rates were omitted under all age groups.

RACE	TOTAL	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45+
TOTAL	9	0	2	2	1	3	1	0	0
WHITE	6	0	1	1	1	2	1	0	0
BLACK AND OTHER	3	0	1	1	0	1	0	0	0

TABLE 47
MATERNAL DEATHS AND MATERNAL MORTALITY RATES¹
BY RACE AND AGE OF MOTHER²
ALABAMA, 1998

Maternal deaths have dropped significantly since 1940 when there were 386 maternal deaths for a rate of 61.3 per 10,000 live births. In 1998, there were nine maternal deaths, an increase of four. In 1998 Alabama's maternal death rate was 1.5, while the national provisional rate was 0.6. Alabama's maternal death rate has been higher than women while three deaths were to black and other women while three deaths were to white women. Six of the maternal deaths were to white women while three deaths were to black and other women. There have been many years when Alabama's rate was more than double the national rate and, on several occasions, the rate almost tripled the national rate.

MATERNAL MORTALITY

**TABLE 48
MATERIAL DEATHS AND MATERIAL MORTALITY RATES BY RACE
ALABAMA AND UNITED STATES, 1940-1998**

YEAR	ALABAMA		ALABAMA		U.S. RATE	ALABAMA		BLACK AND OTHER
	NUMBER	RATE	NUMBER	RATE		TOTAL		
						NUMBER	RATE	
1940	386	61.3	161	41.3	37.6	386	61.3	93.7
1941	343	52.5	145	35.8	31.7	343	52.5	80.0
1942	292	39.9	128	27.6	25.9	292	39.9	61.3
1943	300	38.3	151	30.0	24.5	300	38.3	53.2
1944	284	38.3	119	25.2	22.8	284	38.3	61.1
1945	233	33.2	108	24.6	20.7	233	33.2	47.6
1946	201	25.5	76	14.9	15.7	201	25.5	44.7
1947	230	26.2	98	17.0	13.5	230	26.2	43.7
1948	195	22.8	66	12.3	11.7	195	22.8	40.7
1949	162	19.2	68	13.1	9.0	162	19.2	29.1
1950	147	17.8	51	10.3	8.3	147	17.8	29.2
1951	145	17.3	51	10.0	7.5	145	17.3	28.7
1952	139	16.8	43	8.4	6.8	139	16.8	30.2
1953	122	14.8	32	6.3	6.1	122	14.8	28.3
1954	113	13.7	35	6.9	5.2	113	13.7	24.6
1955	95	11.6	38	7.6	4.7	95	11.6	17.8
1956	68	8.1	31	6.0	4.1	68	8.1	11.3
1957	73	8.7	15	2.9	4.1	73	8.7	18.1
1958	72	8.8	24	4.7	3.8	72	8.8	15.6
1959	69	8.4	22	4.3	3.7	69	8.4	15.0
1960	66	8.2	21	4.1	3.7	66	8.2	14.9
1961	58	7.2	11	2.2	3.7	58	7.2	15.6
1962	49	6.2	11	2.2	3.5	49	6.2	13.0
1963	66	8.7	17	3.6	3.6	66	8.7	17.4
1964	57	7.5	18	3.7	3.3	57	7.5	13.9
1965	36	5.1	12	2.7	3.2	36	5.1	9.3
1966	39	5.9	8	1.9	2.9	39	5.9	13.2
1967	39	6.0	13	3.1	2.8	39	6.0	11.4
1968	26	4.1	8	1.9	2.5	26	4.1	8.4
1969	27	4.2	4	0.9	2.2	27	4.2	10.8
1970	28	4.1	9	2.0	2.2	28	4.1	8.6
1971	30	4.5	11	2.5	1.9	30	4.5	8.4
1972	30	4.9	13	3.2	1.9	30	4.9	7.9
1973	17	2.9	5	1.3	1.5	17	2.9	5.8
1974	20	3.4	5	1.3	1.5	20	3.4	5.9
1975	17	2.9	5	1.3	1.3	17	2.9	3.9
1976	12	2.1	4	1.1	1.2	12	2.1	4.2
1977	10	1.6	1	0.2	1.1	10	1.6	3.7
1978	13	2.2	5	1.3	1.0	13	2.2	3.5
1979	9	1.4	1	0.3	1.0	9	1.4	3.5
1980	8	1.3	4	1.0	0.9	8	1.3	1.8
1981	7	1.1	3	0.8	0.9	7	1.1	1.8
1982	12	2.0	3	0.8	0.8	12	2.0	4.2
1983	8	1.4	4	1.0	0.8	8	1.4	1.9
1984	8	1.4	4	1.0	0.8	8	1.4	1.9
1985	11	1.8	3	0.8	0.8	11	1.8	3.9
1986	12	2.0	3	0.8	0.7	12	2.0	4.3
1987	6	1.0	2	0.5	0.7	6	1.0	1.9
1988	7	1.2	5	1.3	0.8	7	1.2	0.9
1989	10	1.6	4	1.0	0.8	10	1.6	2.7
1990	10	1.6	5	1.2	0.8	10	1.6	2.2
1991	8	1.3	2	0.5	0.8	8	1.3	2.7
1992	8	1.3	3	0.7	0.8	8	1.3	2.3
1993	12	1.9	2	0.5	0.8	12	1.9	4.6
1994	10	1.6	3	0.8	0.8	10	1.6	3.3
1995	6	1.0	0	0.0	0.7	6	1.0	2.9
1996	7	1.2	2	0.5	0.7	7	1.2	2.5
1997	5	0.8	2	0.5	0.8	5	0.8	1.5
1998	9	1.5	3	1.4	0.6	9	1.5	1.5

Rate is per 10,000 live births in specified group. Deaths are by race of the decedent. Live births are by race of the child prior to 1990 and by race of the mother since 1990. See formula in Appendix B. Caution should be exercised in using rates derived from small numbers.

**TABLE 49
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	AUTAUGA COUNTY						BALDWIN COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	372	10.4	291	10.0	81	11.9	1,309	11.6	1,177	11.8	132	9.2
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	2	1.8	1	1.0	1	7.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	7	19.5	5	17.2	2	29.4	13	11.4	13	13.1	0	0.0
Human Immunodeficiency Virus Infection, 042-044	2	5.6	1	3.4	1	14.7	1	0.9	0	0.0	1	7.0
Viral Hepatitis, 070	2	5.6	0	0.0	2	29.4	3	2.6	3	3.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	89	247.7	74	254.1	15	220.3	307	269.7	280	281.3	27	188.9
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	9	7.9	9	9.0	0	0.0
Digestive Organs and Peritoneum, 150-189	16	44.5	13	44.6	3	44.1	70	61.5	65	65.3	5	35.0
Respiratory and Intrathoracic Organs, 160-165	32	89.1	28	96.2	4	58.7	95	83.5	89	89.4	6	42.0
Breast, 174-175	8	22.3	6	20.6	2	29.4	21	18.4	19	19.1	2	14.0
Genitourinary Organs, 179-189	12	33.4	8	27.5	4	58.7	48	42.2	39	39.2	9	63.0
Leukemia, 204-208	3	8.3	3	10.3	0	0.0	9	7.9	9	9.0	0	0.0
All Other Sites, 166-173, 176-178, 190-203	18	50.1	16	54.9	2	29.4	55	48.3	50	50.2	5	35.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	1	2.8	1	3.4	0	0.0	6	5.3	6	6.0	0	0.0
Diabetes Mellitus, 250	10	27.8	5	17.2	5	73.4	35	30.7	26	26.1	9	63.0
Nutritional Deficiencies, 260-269	3	8.3	2	6.9	1	14.7	5	4.4	5	5.0	0	0.0
Anemias, 280-285	3	8.3	3	10.3	0	0.0	4	3.5	3	3.0	1	7.0
Meinhlfts, 320-322	0	0.0	0	0.0	0	0.0	2	1.8	2	2.0	0	0.0
Alzheimer's Disease, 3310	2	5.6	1	3.4	1	14.7	6	5.3	6	6.0	0	0.0
Major Cardiovascular Disease, 390-448	158	439.8	127	436.1	31	455.3	505	443.7	451	453.1	54	377.9
Diseases of Heart, 390-398, 402, 404-429	124	345.1	100	343.4	24	352.5	379	333.0	342	343.6	37	258.9
Active Rheumatism Fever and Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	1	0.9	1	1.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	6	16.7	3	10.3	3	44.1	31	27.2	26	26.1	5	35.0
Iscemic Heart Disease, 410-414	67	186.6	51	175.1	16	235.0	158	138.8	145	145.7	13	91.0
Other Diseases of Heart, 405, 415-429	51	141.9	46	158.0	5	73.4	189	166.0	170	170.8	19	133.0
Hypertension with or without Renal Disease, 401, 403	2	5.6	2	6.9	0	0.0	7	6.1	7	7.0	0	0.0
Cerebrovascular Disease, 430-438	27	75.1	20	68.7	7	102.8	89	78.2	78	78.4	11	77.0
Diseases of the Arteries, 440-448	5	13.9	5	17.2	0	0.0	30	26.4	24	24.1	6	42.0
Atherosclerosis, 440	1	2.8	1	3.4	0	0.0	16	14.1	13	13.1	3	21.0
Other Diseases of the Arteries, 441-448	4	11.1	4	13.7	0	0.0	14	12.3	11	11.1	3	21.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	1	0.9	1	1.0	0	0.0
Pneumonia and Influenza, 480-487	5	13.9	5	17.2	0	0.0	45	39.5	41	41.2	4	28.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	19	52.9	18	61.8	1	14.7	72	63.3	72	72.3	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	4	11.1	4	13.7	0	0.0	23	20.2	23	23.1	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	15	41.7	14	48.1	1	14.7	49	43.0	49	49.2	0	0.0
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	4	3.5	3	3.0	1	7.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of	1	2.8	1	3.4	0	0.0	2	1.8	2	2.0	0	0.0
Hernia, 550-553, 560	3	8.3	2	6.9	1	14.7	16	14.1	15	15.1	1	7.0
Chronic Liver Disease and Cirrhosis, 571	0	0.0	0	0.0	0	0.0	6	5.3	6	6.0	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	3	8.3	3	10.3	0	0.0	14	12.3	12	12.1	2	14.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	1	2.8	1	3.4	0	0.0	7	6.1	6	6.0	0	0.0
Congenital Anomalies, 740-759	3	8.3	3	10.3	0	0.0	7	6.1	4	4.0	3	7.0
Certain Conditions Originating in the Perinatal Period, 760-779	3	8.3	2	6.9	1	14.7	21	18.4	19	19.1	2	14.0
Symptoms and Ill-Defined Conditions, 780-799	18	50.1	10	34.3	8	117.6	75	65.9	66	66.3	9	63.0
Accidents, E800-E949	12	33.4	6	20.6	2	29.4	39	34.3	32	34.2	7	49.0
Motor Vehicle Accidents, E810-E825	6	16.7	4	13.7	1	14.7	18	15.8	16	16.1	2	14.0
All Other Accidents, E800-E809, E826-E949	3	8.3	2	6.9	1	14.7	6	5.3	3	3.0	3	21.0
Homicide and Legal Intervention, E960-E978	6	16.7	5	17.2	1	14.7	18	15.8	16	16.1	2	14.0
All Other Diseases, Residual	30	83.5	22	75.5	8	117.5	126	110.7	115	115.5	11	77.0

¹Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
²The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	BARBOUR COUNTY						BIBB COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	283	11.0	168	11.8	115	10.0	192	11.1	150	10.8	42	12.2
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	2	7.8	1	7.0	1	8.7	1	5.8	1	7.2	0	0.0
Human Immunodeficiency Virus Infection, 042-044	1	3.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	1	3.9	1	7.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	42	163.3	25	175.5	17	148.1	45	260.3	36	260.0	9	261.4
Lip, Oral Cavity and Pharynx, 140-149	2	7.8	1	7.0	1	8.7	0	0.0	0	0.0	0	0.0
Digestive Organs and Peritoneum, 150-159	10	38.9	8	56.2	2	17.4	8	46.3	6	43.3	2	58.1
Respiratory and Intra-thoracic Organs, 160-165	13	50.5	8	56.2	5	43.6	15	86.8	13	93.9	2	58.1
Breast, 174-175	3	11.7	1	7.0	2	17.4	2	11.6	2	14.4	0	0.0
Genitourinary Organs, 179-189	8	31.1	4	28.1	4	34.8	7	40.5	4	28.9	3	87.1
Leukemia, 204-208	6	23.3	3	21.1	3	26.1	13	75.2	11	79.4	2	58.1
All Other Sites, 166-173, 176-178, 190-203	0	0.0	0	0.0	0	0.0	1	5.8	1	7.2	0	0.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	6	23.3	3	21.1	3	26.1	8	46.3	6	43.3	2	58.1
Diabetes Mellitus, 250	1	0.0	1	7.0	0	0.0	0	0.0	0	0.0	0	0.0
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Amenias, 280-285	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	2	7.8	2	14.0	0	0.0	0	0.0	0	0.0	0	0.0
Major Cardiovascular Diseases, 390-448	134	520.9	82	575.6	52	453.0	85	491.6	65	469.4	20	580.9
Diseases of Heart, 390-398, 402, 404-429	114	443.1	71	498.4	43	374.6	47	271.8	38	274.4	9	261.4
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	1	5.8	1	7.2	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	5	19.4	4	28.1	1	8.7	3	17.4	3	21.7	0	0.0
Ishemic Heart Disease, 410-414	25	97.2	19	133.4	6	52.3	19	109.9	16	115.6	3	87.1
Other Diseases of Heart, 405, 415-429	84	326.5	48	336.9	36	313.6	24	138.8	18	130.0	6	174.3
Hypertension with or without Renal Disease, 401, 403	1	3.9	1	7.0	0	0.0	2	11.6	2	14.4	0	0.0
Cerebrovascular Disease, 430-438	17	66.1	9	63.2	8	69.7	33	190.9	23	166.1	10	290.4
Diseases of the Arteries, 440-448	2	7.8	1	7.0	1	8.7	3	17.4	2	14.4	1	29.0
Atherosclerosis, 440	1	3.9	0	0.0	1	8.7	0	0.0	0	0.0	0	0.0
Other Diseases of the Arteries, 441-448	1	3.9	1	7.0	0	0.0	3	17.4	2	14.4	1	29.0
Acute Bronchitis and Bronchiolitis, 466	1	3.9	0	0.0	1	8.7	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	13	50.5	9	63.2	4	34.8	8	46.3	4	28.9	4	116.2
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	10	38.9	7	50.5	3	26.1	7	40.5	6	43.3	1	29.0
Bronchitis, Emphysema and Asthma, 490-493	2	7.8	2	14.0	1	8.7	7	40.5	6	43.3	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	8	31.1	7	49.1	1	8.7	0	0.0	0	0.0	1	29.0
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	1	3.9	0	0.0	1	8.7	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	1	3.9	1	7.0	0	0.0	0	0.0	0	0.0	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	10	38.9	6	42.1	4	34.8	3	17.4	3	21.7	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	1	5.8	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	1	3.9	0	0.0	1	8.7	2	11.6	1	7.2	1	29.0
Congenital Anomalies, 740-759	1	3.9	0	0.0	1	8.7	3	17.4	1	7.2	2	58.1
Certain Conditions Originating in the Perinatal Period, 760-779	2	7.8	0	0.0	2	17.4	10	57.8	9	65.0	1	29.0
Symptoms and Ill-Defined Conditions, 780-799	14	54.4	7	49.1	7	61.0	7	40.5	7	50.6	0	0.0
Accidents, E800-E949	5	19.4	3	21.1	2	17.4	10	40.5	7	50.6	1	29.0
Motor Vehicle Accidents, E810-E825	9	35.0	4	28.1	5	43.6	3	17.4	2	14.4	0	0.0
All Other Accidents, E800-E809, E826-E949	3	11.7	1	7.0	3	26.1	2	11.6	2	14.4	0	0.0
Suicide, E950-E959	4	15.5	3	21.1	1	8.7	1	5.8	1	7.2	0	0.0
Homicide and Legal Intervention, E960-E978	4	15.5	1	7.0	3	26.1	1	5.8	1	7.2	0	0.0
All Other Diseases, Residual	34	132.2	17	119.3	17	148.1	14	81.0	12	86.7	2	58.1

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.

² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	BLOUNT COUNTY					BULLOCK COUNTY						
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	474	11.5	469	11.5	5	7.0²	129	11.5	40	15.0	89	10.5
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	6	14.5	6	14.5	0	0.0	2	17.9	0	0.0	2	23.5
Septicemia, 038	1	2.4	1	2.5	0	0.0	1	8.9	0	0.0	1	11.7
Human Immunodeficiency Virus Infection, 042-044	1	2.4	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	90	217.6	88	216.5	2	280.1 ²	27	241.5	11	412.6	16	187.9
Lip, Oral Cavity and Pharynx, 140-149	1	2.4	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0
Digestive Organs and Peritoneum, 150-159	21	51.7	21	51.7	0	0.0	2	17.9	0	0.0	2	23.5
Respiratory and Intra-thoracic Organs, 160-165	34	82.2	32	78.7	2	280.1 ²	11	98.4	5	187.5	6	70.5
Breast, 174-175	4	9.7	4	9.8	0	0.0	4	35.8	1	37.5	3	35.2
Genitourinary Organs, 179-189	11	26.6	11	27.1	0	0.0	3	26.8	1	37.5	2	23.5
Leukemia, 204-208	3	7.3	3	7.4	0	0.0	0	0.0	0	0.0	0	0.0
All Other Sites, 166-173, 176-178, 190-203	16	38.7	16	39.4	0	0.0	7	62.6	4	150.0	3	35.2
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	1	2.4	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus, 250	8	19.3	8	19.7	0	0.0	0	0.0	0	0.0	0	0.0
Nutritional Deficiencies, 260-289	2	4.8	2	4.9	0	0.0	3	44.7	1	37.5	4	47.0
Anemias, 280-285	1	2.4	1	2.5	0	0.0	5	26.8	0	0.0	3	35.2
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	8	19.3	8	19.7	0	0.0	0	0.0	0	0.0	0	0.0
Major Cardiovascular Diseases, 390-448	198	478.7	195	479.7	3	420.2 ²	53	474.1	16	600.2	37	434.6
Diseases of Heart, 390-398, 402, 404-429	148	357.8	145	356.7	3	420.2 ²	41	366.7	10	375.1	31	364.1
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	1	2.4	1	2.5	0	0.0	1	8.9	0	0.0	1	11.7
Hypertension with Heart and Renal Disease, 402, 404	2	4.8	2	4.9	0	0.0	2	17.9	0	0.0	2	23.5
Ischemic Heart Disease, 410-414	78	188.6	75	184.5	3	420.2 ²	26	232.6	9	337.6	17	199.7
Other Diseases of Heart, 405, 415-429	67	162.0	67	164.8	0	0.0	12	107.3	1	129.2	11	129.2
Hyperension with or without Renal Disease, 401, 403	1	2.4	1	2.5	0	0.0	7	62.6	1	112.5	4	47.0
Cerebrovascular Disease, 430-438	46	111.2	46	113.2	0	0.0	3	26.8	3	75.0	1	11.7
Diseases of the Arteries, 440-448	3	7.3	3	7.4	0	0.0	0	0.0	2	75.0	0	0.0
Atherosclerosis, 440	0	0.0	0	0.0	0	0.0	3	26.8	2	75.0	1	11.7
Other Diseases of the Arteries, 441-448	3	7.3	3	7.4	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	1	8.9	0	0.0	1	11.7
Pneumonia and Influenza, 480-487	13	31.4	13	32.0	0	0.0	1	8.9	0	0.0	1	11.7
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	28	67.7	28	68.9	0	0.0	2	17.9	1	37.5	1	11.7
Bronchitis, Emphysema and Asthma, 490-493	6	14.5	6	14.8	0	0.0	7	62.6	3	112.5	4	47.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	22	53.2	22	54.1	0	0.0	6	53.7	0	0.0	1	11.7
Ulcer of Stomach and Duodenum, 531-533	1	2.4	1	2.5	0	0.0	0	0.0	3	112.5	3	35.2
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	4	9.7	4	9.8	0	0.0	1	8.9	0	0.0	1	11.7
Cholelithiasis and Other Disorders of Gallbladder, 574-575	1	2.4	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	12	29.0	12	29.5	0	0.0	1	8.9	0	0.0	1	11.7
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophy of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	1	2.4	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	4	9.7	4	9.8	0	0.0	0	0.0	0	0.0	0	0.0
Symptoms and Ill-Defined Conditions, 780-799	10	24.2	10	24.6	0	0.0	2	17.9	1	37.5	1	11.7
Accidents, 880-894	28	67.7	28	68.9	0	0.0	9	80.5	1	37.5	8	94.0
Motor Vehicle Accidents, 8810-8825	20	48.4	20	49.2	0	0.0	3	53.7	1	37.5	2	23.5
All Other Accidents, 8800-8809, 8826-8949	8	19.3	8	19.7	0	0.0	6	26.8	0	0.0	6	70.5
Suicide, 8950-8959	7	16.9	7	17.2	0	0.0	2	17.9	1	37.5	2	23.5
Homicide and Legal Intervention, 8960-8978	1	2.4	1	2.5	0	0.0	1	8.9	0	0.0	1	11.7
All Other Diseases, Residual	48	116.0	48	118.1	0	0.0	11	98.4	6	225.1	5	58.7

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49--continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	BUTLER COUNTY						CALHOUN COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	249	11.6	168	13.4	81	9.0	1,266	11.1	1,036	11.4	230	9.7
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	1	0.9	1	1.1	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	1	4.6	1	7.9	0	0.0	15	13.1	12	13.2	3	12.7
Human Immunodeficiency Virus Infection, 042-044	1	4.6	0	0.0	1	11.1	3	2.6	2	2.2	1	4.2
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	2	1.7	2	2.2	0	0.0
Syphilis, 090-097	1	4.6	0	0.0	1	11.1	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	48	222.7	36	286.2	12	133.7	306	267.5	258	284.3	48	202.9
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	6	5.2	5	5.5	1	4.2
Digestive Organs and Peritoneum, 150-159	7	32.5	4	31.8	3	33.4	62	54.2	53	58.4	9	38.0
Respiratory and Intra-thoracic Organs, 160-165	13	60.3	10	79.5	3	33.4	104	90.9	86	94.8	18	76.1
Breast, 174-175	3	13.9	3	23.8	0	0.0	11	9.6	8	8.8	3	12.7
Genitourinary Organs, 179-189	8	37.1	3	23.8	5	55.7	24	21.0	18	19.8	6	25.4
Leukemia, 204-208	1	4.6	1	7.9	0	0.0	17	14.9	16	17.6	1	4.2
All Other Sites, 166-173, 176-178, 190-203	16	74.2	15	119.2	1	11.1	82	71.7	72	79.3	10	42.3
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	1	4.6	1	7.9	0	0.0	7	6.1	7	7.7	0	0.0
Diabetes Mellitus, 250	5	23.2	5	39.7	0	0.0	19	16.6	17	18.7	2	8.5
Nutritional Deficiencies, 260-269	1	4.6	0	0.0	1	11.1	0	0.0	0	0.0	0	0.0
Anemias, 280-285	0	0.0	0	0.0	0	0.0	2	1.7	1	1.1	1	4.2
Meningitis, 320-322	1	4.6	0	0.0	1	11.1	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	1	4.6	1	7.9	0	0.0	16	14.0	15	16.5	1	4.2
Major Cardiovascular Diseases, 390-448	110	510.3	72	572.3	38	423.3	519	453.7	405	446.3	114	481.8
Diseases of Heart, 390-398, 402, 404-429	87	403.6	57	453.1	30	334.2	402	351.4	317	349.4	85	359.2
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	3	13.9	2	15.9	1	11.1	6	5.2	6	6.6	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	0	0.0	0	0.0	0	0.0	204	178.3	165	181.8	39	164.8
Ischemic Heart Disease, 410-414	30	139.2	25	198.7	5	55.7	187	163.5	143	157.6	44	186.0
Other Diseases of Heart, 405, 415-429	54	250.5	30	238.5	24	267.3	9	7.9	5	5.5	4	16.9
Hypertension with or without Renal Disease, 401, 403	1	4.6	0	0.0	1	11.1	91	79.5	69	76.0	22	93.0
Cerebrovascular Disease, 430-438	19	88.1	12	95.4	7	78.0	17	14.9	14	15.4	3	12.7
Diseases of the Arteries, 440-448	3	13.9	3	23.8	0	0.0	17	14.9	14	15.4	3	12.7
Atherosclerosis, 440	1	4.6	1	7.9	0	0.0	4	3.5	4	4.4	0	0.0
Other Diseases of the Arteries, 441-448	2	9.3	2	15.9	0	0.0	13	11.4	10	11.0	3	12.7
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	8	37.1	7	55.6	1	11.1	51	44.6	46	50.7	5	21.1
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	8	37.1	3	23.8	5	55.7	58	50.7	54	59.5	4	16.9
Bronchitis, Emphysema and Asthma, 490-493	2	9.3	1	7.9	1	11.1	13	11.4	12	13.2	1	4.2
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	6	27.8	6	47.7	0	0.0	45	39.3	42	46.3	3	12.7
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	4	3.5	4	4.4	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	1	0.9	1	1.1	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	2	9.3	0	0.0	2	22.3	1	0.9	1	1.1	0	0.0
Chronic Liver Disease and Cirrhosis, 571	0	0.0	0	0.0	0	0.0	17	14.9	11	12.1	6	25.4
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	3	2.6	2	2.2	1	4.2
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	4	18.6	3	23.8	1	11.1	21	18.4	18	19.8	3	12.7
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, 740-759	0	0.0	0	0.0	0	0.0	5	4.4	4	4.4	1	4.2
Congenital Anomalies, 760-779	0	0.0	0	0.0	0	0.0	5	4.4	4	4.4	1	4.2
Certain Conditions Originating in the Perinatal Period, 760-779	1	4.6	0	0.0	1	11.1	16	14.0	10	11.0	7	29.6
Symptoms and Ill-Defined Conditions, 780-799	5	23.2	5	39.7	0	0.0	11	9.6	10	11.0	1	4.2
Accidents, 800-899	16	74.2	12	95.4	4	44.6	52	45.5	45	49.6	7	29.6
Motor Vehicle Accidents, E810-E825	10	46.4	7	55.6	3	33.4	34	29.7	32	35.3	2	8.5
All Other Accidents, E800-E809, E826-E949	6	27.8	5	39.7	1	11.1	18	15.7	13	14.3	5	21.1
Suicide, E950-E959	4	18.6	2	15.9	2	22.3	17	14.9	17	18.7	0	0.0
Homicide and Legal Intervention, E960-E978	4	18.6	2	15.9	2	22.3	15	13.1	10	11.0	5	21.1
All Other Diseases, Residual	27	125.2	18	143.1	9	100.2	104	90.9	84	92.6	20	84.5

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	CHAMBERS COUNTY						CHEROKEE COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	445	12.6	319	14.2	126	9.7	263	12.7	233	12.5	20	15.9
Tuberculosis, All Forms, 010-018	1	2.8	0	0.0	1	7.7	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	5	14.1	3	13.4	2	15.4	4	20.0	4	21.4	0	0.0
Human Immunodeficiency Virus Infection, 042-044	1	2.8	0	0.0	1	7.7	1	5.0	0	0.0	1	79.4
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	104	293.9	82	365.7	22	169.6	52	260.4	50	267.3	2	158.7
Lip, Oral Cavity and Pharynx, 140-149	2	5.7	0	0.0	2	15.4	1	5.0	1	5.3	0	0.0
Digestive Organs and Peritoneum, 150-159	19	53.7	14	62.4	5	38.6	8	40.1	8	42.8	0	0.0
Respiratory and Intrathoracic Organs, 160-165	27	76.3	23	102.6	4	30.8	8	40.1	8	42.8	0	0.0
Breast, 174-175	3	8.5	2	8.9	1	7.7	2	10.0	2	10.7	0	0.0
Genitourinary Organs, 179-189	19	53.7	15	66.9	4	30.8	2	10.0	1	5.3	1	79.4
Leukemia, 204-208	6	17.0	5	22.3	1	7.7	2	10.0	2	10.7	0	0.0
All Other Sites, 166-173, 176-178, 190-203	28	79.1	23	102.6	5	38.6	29	145.2	28	149.7	1	79.4
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	1	2.8	1	4.5	0	0.0	1	5.0	1	5.3	0	0.0
Diabetes Mellitus, 250	12	33.9	7	31.2	5	38.6	3	15.0	3	16.0	0	0.0
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Anemia, 280-285	1	2.8	1	4.5	0	0.0	0	0.0	0	0.0	0	0.0
Menigitis, 320-322	0	0.0	0	0.0	0	0.0	1	5.0	0	0.0	1	79.4
Alzheimer's Disease, 3310	6	17.0	5	22.3	1	7.7	7	35.1	7	37.4	0	0.0
Major Cardiovascular Diseases, 390-448	170	480.4	117	521.9	53	408.6	108	540.9	97	518.6	0	0.0
Diseases of Heart, 390-398, 402, 404-429	133	385.0	93	414.8	40	308.4	89	445.8	82	438.4	7	873.0
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	5	14.1	1	4.5	4	30.8	0	0.0	0	0.0	6	476.2
Ischemic Heart Disease, 410-414	45	127.2	34	151.7	11	84.8	47	235.4	41	219.2	0	0.0
Other Diseases of Heart, 405, 415-429	83	234.5	58	258.7	25	192.8	41	205.3	40	213.8	1	79.4
Hypertension with or without Renal Disease, 401, 403	1	2.8	1	4.5	0	0.0	1	5.0	1	5.3	0	0.0
Cerebrovascular Disease, 430-438	30	84.8	20	89.2	10	77.1	14	70.1	10	53.5	4	317.5
Diseases of the Arteries, 440-448	6	17.0	3	13.4	3	23.1	4	20.0	4	21.4	0	0.0
Atherosclerosis, 440	0	0.0	0	0.0	0	0.0	1	5.0	1	5.3	0	0.0
Other Diseases of the Arteries, 441-448	6	17.0	3	13.4	3	23.1	3	15.0	3	16.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	15	42.4	11	49.1	4	30.8	13	65.1	10	53.5	3	238.1
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	23	65.0	21	93.7	2	15.4	7	35.1	7	37.4	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	1	2.8	1	4.5	0	0.0	1	5.0	1	5.3	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	22	62.2	20	89.2	2	15.4	6	30.1	6	32.1	0	0.0
Ulcer of Stomach and Duodenum, 531-533	2	5.7	2	8.9	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	1	2.8	0	0.0	1	7.7	2	10.0	2	10.7	0	0.0
Chronic Liver Disease and Cirrhosis, 571	4	11.3	2	8.9	2	15.4	5	25.0	5	26.7	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	1	2.8	0	0.0	1	7.7	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	8	22.6	6	26.8	2	15.4	3	15.0	3	16.0	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	1	2.8	1	4.5	0	0.0	0	0.0	0	0.0	0	0.0
Symptoms and Ill-Defined Conditions, 780-799	5	14.1	4	17.8	1	7.7	7	35.1	7	37.4	0	0.0
Accidents, E800-E949	20	56.5	14	62.4	6	46.3	14	70.1	14	74.8	0	0.0
Motor Vehicle Accidents, E810-E825	10	28.3	7	31.2	3	23.1	9	45.1	9	48.1	0	0.0
All Other Accidents, E800-E809, E826-E949	10	28.3	7	31.2	3	23.1	5	25.0	5	26.7	0	0.0
Suicide, E950-E959	6	17.0	5	22.3	1	7.7	6	30.1	5	26.7	1	79.4
Homicide and legal Intervention, E960-E978	6	17.0	3	13.4	3	23.1	1	5.0	1	5.3	0	0.0
All Other Diseases, Residual	52	146.9	34	151.7	18	138.8	18	90.2	17	90.9	1	79.4

¹Total Death Rates is per 1,000 population. Cause-specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.

²The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49-continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH(ICD CODE(S))	HILTON COUNTY						CHOCTAW COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	409	12.0	370	12.3	39	10.1	164	10.6	98	11.5	66	9.5
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	4	11.8	2	6.6	2	51.7	2	13.0	2	23.6	0	0.0
Human Immunodeficiency Virus Infection, 042-044	0	0.0	0	0.0	0	0.0	1	6.5	1	11.8	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	98	288.2	90	298.6	8	207.0	39	252.9	20	235.6	19	274.1
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Digestive Organs and Peritoneum, 150-159	23	67.6	21	69.7	2	51.7	11	71.3	7	82.5	4	57.7
Respiratory and Intra-thoracic Organs, 160-165	22	64.7	20	66.4	2	51.7	15	97.3	7	82.5	8	115.4
Breast, 174-175	8	23.5	8	26.5	0	0.0	2	25.9	2	23.6	2	28.8
Genitourinary Organs, 179-189	11	32.4	8	26.5	3	77.6	4	13.0	1	11.8	1	14.4
Leukemia, 204-208	3	8.8	3	10.0	0	0.0	2	0.0	0	0.0	0	0.0
All Other Sites, 166-173, 176-178, 190-203	31	91.2	30	99.5	1	25.9	7	45.4	3	35.3	4	57.7
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	2	5.9	2	6.6	0	0.0	1	6.5	0	0.0	1	14.4
Diabetes Mellitus, 250	8	23.5	4	13.3	4	103.5	2	13.0	1	11.8	1	14.4
Nutritional Deficiencies, 260-269	1	2.9	0	0.0	1	25.9	0	0.0	0	0.0	0	0.0
Anemias, 280-285	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, 320-322	1	2.9	1	3.3	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	7	20.6	7	23.2	0	0.0	3	19.5	3	35.3	0	0.0
Major Cardiovascular Diseases, 390-448	156	458.8	145	481.1	11	284.6	73	473.4	44	518.4	29	418.3
Diseases of Heart, 390-398, 402, 404-429	116	341.1	111	368.3	5	129.4	56	363.1	37	435.9	19	274.1
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with Heart & Renal Disease, 402, 404	1	2.9	1	3.3	0	0.0	2	19.5	2	23.6	1	14.4
Hypertension with Heart, 405, 415-429	67	197.0	65	215.7	2	51.7	25	162.1	17	200.3	10	144.2
Isochemic Heart Disease, 410-414	48	141.2	45	149.3	3	77.6	28	181.6	18	212.1	10	144.2
Other Diseases of Heart, 401, 403	2	5.9	2	6.6	0	0.0	0	0.0	0	0.0	0	0.0
Cerebrovascular Disease, 430-438	29	85.3	23	76.3	6	155.2	17	110.2	7	82.5	10	144.2
Diseases of the Arteries, 440-448	9	26.5	9	29.9	0	0.0	0	0.0	0	0.0	0	0.0
Atherosclerosis, 440	2	5.9	2	6.6	0	0.0	0	0.0	0	0.0	0	0.0
Other Diseases of the Arteries, 441-448	7	20.6	7	23.2	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	14	41.2	13	43.1	1	25.9	4	25.9	3	35.3	1	14.4
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	14	41.2	13	43.1	1	25.9	7	45.4	5	58.9	2	28.8
Bronchitis, Emphysema and Asthma, 490-493	2	5.9	2	6.6	0	0.0	0	0.0	0	0.0	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	12	35.3	11	36.5	1	25.9	7	45.4	5	58.9	2	28.8
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	4	11.8	4	13.3	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	4	11.8	4	13.3	0	0.0	0	0.0	0	0.0	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	2	5.9	2	6.6	0	0.0	4	25.9	3	35.3	1	14.4
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	1	2.9	1	3.3	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	1	5.9	2	6.6	0	0.0	0	0.0	0	0.0	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	17	50.0	14	46.5	3	77.6	10	65	4	47.1	6	86.5
Symptoms and Ill-Defined Conditions, 780-799	28	82.3	26	86.3	2	51.7	8	64.8	3	35.3	5	72.1
Accidents, E800-E949	14	41.2	14	46.5	0	0.0	2	13.0	1	11.8	1	14.4
Motor Vehicle Accidents, E810-E825	5	14.7	4	13.3	1	25.9	3	19.5	3	35.3	0	0.0
All Other Accidents, E800-E809, E826-E849	9	26.5	10	31.5	0	0.0	0	0.0	0	0.0	0	0.0
Suicide, E950-E959	3	8.8	4	13.3	0	0.0	0	0.0	0	0.0	0	0.0
Homicide and Legal Intervention, E960-E978	5	14.7	4	13.3	0	0.0	0	0.0	0	0.0	0	0.0
All Other Diseases, Residual	36	105.9	33	109.5	3	77.6	10	64.8	7	82.5	3	43.3

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.

² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	CLARKE COUNTY								CLAY COUNTY															
	TOTAL				WHITE				BLACK AND OTHER				TOTAL				WHITE				BLACK AND OTHER			
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE				
TOTAL ALL CAUSES	267	9.9	163	10.6	104	8.9	167	12.9	145	13.5	22	10.3												
Tuberculosis, All Forms, 010-018	2	7.4	0	0.0	2	17.1	0	0.0	0	0.0	0	0.0												
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Septicemia, 038	1	3.7	0	0.0	1	8.6	4	31.0	3	27.8	1	46.9												
Human Immunodeficiency Virus Infection, 042-044	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	75	277.3	40	260.0	35	300.0	33	255.7	25	232.0	8	375.2												
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Digestive Organs and Peritoneum, 150-159	16	59.2	8	52.0	8	68.6	8	62.0	7	65.0	1	46.9												
Respiratory and Intra-thoracic Organs, 160-165	15	55.5	9	58.5	6	51.4	7	54.2	6	55.7	1	46.9												
Breast, 174-175	9	33.3	4	26.0	5	42.9	3	23.2	3	27.8	0	0.0												
Genitourinary Organs, 179-189	18	66.5	10	65.0	8	68.6	6	46.5	4	37.1	2	93.8												
Leukemia, 204-208	3	11.1	1	6.5	2	17.1	0	0.0	0	0.0	0	0.0												
All Other Sites, 168-173, 176-178, 190-203	14	51.8	8	52.0	6	51.4	9	69.7	5	46.4	4	187.6												
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	0	0.0	0	0.0	0	0.0	1	7.7	1	9.3	0	0.0												
Diabetes Mellitus, 250	9	33.3	4	26.0	5	42.9	2	15.5	2	18.6	0	0.0												
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Anemias, 280-285	1	3.7	0	0.0	1	8.6	1	7.7	1	9.3	0	0.0												
Alzheimer's Disease, 3310	5	18.5	4	26.0	1	8.6	2	15.5	1	9.3	1	46.9												
Major Cardiovascular Diseases, 390-448	105	388.6	69	448.6	36	308.6	77	596.5	70	649.6	7	328.3												
Diseases of Heart, 390-398, 402, 404-429	74	273.6	50	325.1	24	205.7	65	503.6	58	538.2	7	328.3												
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	3	11.1	1	6.5	2	17.1	0	0.0	0	0.0	0	0.0												
Hypertension with Heart and Renal Disease, 402, 404	37	136.8	27	175.5	10	85.7	37	286.6	34	315.5	3	140.7												
Ischemic Heart Disease, 410-414	34	125.7	22	143.0	12	102.9	28	216.9	24	222.7	4	187.6												
Other Diseases of Heart, 405, 415-429	4	14.8	2	13.0	2	17.1	0	0.0	0	0.0	0	0.0												
Hypertension with or without Renal Disease, 401, 403	23	85.0	14	91.0	9	77.1	10	77.5	10	92.8	0	0.0												
Cerebrovascular Disease, 430-438	4	14.8	2	13.0	2	17.1	2	15.5	2	18.6	0	0.0												
Diseases of the Arteries, 440-448	3	11.1	3	19.5	1	8.6	0	0.0	0	0.0	0	0.0												
Atherosclerosis, 440	1	3.7	1	6.5	0	0.0	2	15.5	2	18.6	0	0.0												
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Acute Bronchitis and Bronchiolitis, 466	6	22.2	6	39.0	0	0.0	4	31.0	4	37.1	0	0.0												
Pneumonia and Influenza, 480-487	4	14.8	4	26.0	0	0.0	9	69.7	9	83.5	0	0.0												
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	2	7.4	2	13.0	0	0.0	3	23.2	3	27.8	0	0.0												
Bronchitis, Emphysema and Asthma, 490-493	2	7.4	2	13.0	0	0.0	6	46.5	6	55.7	0	0.0												
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	1	3.7	0	0.0	1	8.6	0	0.0	0	0.0	0	0.0												
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Appendicitis, 540-543	1	3.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	1	3.7	1	6.5	0	0.0	1	7.7	1	9.3	0	0.0												
Chronic Liver Disease and Cirrhosis, 571	1	3.7	0	0.0	0	0.0	1	7.7	1	9.3	0	0.0												
Cholelithiasis and Other Disorders of Gallbladder, 574-575	3	11.1	1	6.5	0	0.0	0	0.0	0	0.0	0	0.0												
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	0	0.0	0	0.0	0	0.0	3	23.2	3	27.8	0	0.0												
Injections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
Congenital Anomalies, 740-759	5	18.5	0	0.0	5	42.9	3	23.2	2	18.6	1	46.9												
Certain Conditions Originating in the Perinatal Period, 760-779	6	22.2	3	19.5	6	51.4	6	46.5	5	46.4	1	46.9												
Symptoms and Ill-Defined Conditions, 780-799	16	59.2	10	65.0	6	51.4	6	46.5	6	55.7	0	0.0												
Accidents, E800-E949	6	22.2	4	26.0	2	17.1	4	31.0	4	37.1	0	0.0												
Motor Vehicle Accidents, E810-E825	10	37.0	6	39.0	4	34.3	2	15.5	2	18.6	0	0.0												
All Other Accidents, E800-E809, E826-E949	1	3.7	0	0.0	1	8.6	0	0.0	0	0.0	0	0.0												
Suicide, E950-E959	4	14.8	2	13.0	2	17.1	1	7.7	1	9.3	0	0.0												
Homicide and Legal Intervention, E960-E978	1	3.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
All Other Diseases, Residual	24	88.7	19	123.5	5	42.9	13	100.7	10	92.8	3	140.7												

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.

² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	CLEBURNE COUNTY						COFFEE COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	158	12.3	148	12.1	10	16.4²	479	11.5	399	11.9	80	10.0
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	5	38.9	4	32.7	1	163.7 ²	3	7.2	2	6.0	1	12.5
Human Immunodeficiency Virus Infection, 042-044	0	0.0	0	0.0	0	0.0	0	4.8	1	3.0	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	38	295.7	36	294.1	2	327.3 ²	116	279.0	101	300.8	15	187.3
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	2	4.8	2	6.0	0	0.0
Digestive Organs and Peritoneum, 150-159	5	38.9	5	40.8	0	0.0	21	50.5	20	59.6	1	12.5
Respiratory and Intra-thoracic Organs, 160-165	7	54.5	6	49.0	1	163.7 ²	30	72.1	27	80.4	3	37.5
Breast, 174-175	0	0.0	0	0.0	0	0.0	9	21.6	8	23.8	1	12.5
Genitourinary Organs, 179-189	4	31.1	4	32.7	0	0.0	22	52.9	16	47.7	6	74.9
Leukemia, 204-208	2	15.6	2	16.3	0	0.0	4	9.6	3	8.9	1	12.5
All Other Sites, 166-173, 176-178, 190-203	20	155.6	19	155.2	1	163.7 ²	28	67.3	25	74.5	3	37.5
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	1	7.8	1	8.2	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus, 250	2	15.6	1	8.2	0	0.0	17	40.9	12	35.7	5	62.4
Nutritional Deficiencies, 260-269	1	7.8	1	8.2	0	0.0	1	2.4	1	3.0	0	0.0
Anemias, 280-285	1	7.8	1	8.2	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, 320-322	1	7.8	1	8.2	0	0.0	1	2.4	1	3.0	0	0.0
Alzheimer's Disease, 3310	1	7.8	1	8.2	0	0.0	3	7.2	3	8.9	0	0.0
Major Cardiovascular Diseases, 390-448	60	466.9	56	457.5	4	654.7 ²	210	505.0	170	506.3	40	499.6
Diseases of Heart, 390-398, 402, 404-429	43	334.6	40	326.8	3	491.0 ²	189	406.4	142	422.9	27	337.2
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	2	4.8	2	6.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	1	7.8	1	8.2	0	0.0	0	0.0	0	0.0	0	0.0
Ischemic Heart Disease, 410-414	8	62.3	8	65.4	0	0.0	117	281.4	100	297.8	17	212.3
Other Diseases of Heart, 405, 415-429	34	264.6	31	253.3	3	491.0 ²	50	120.2	40	119.1	10	124.9
Hypertension with or without Renal Disease, 401, 403	6	46.7	6	49.0	0	0.0	2	4.8	1	3.0	1	12.5
Cerebrovascular Disease, 430-438	7	54.5	6	49.0	1	163.7 ²	22	52.9	17	50.6	5	62.4
Diseases of the Arteries, 440-448	4	31.1	4	32.7	0	0.0	11	26.5	10	29.8	6	87.4
Atherosclerosis, 440	1	7.8	1	8.2	0	0.0	6	14.4	5	14.9	1	12.5
Other Diseases of the Arteries, 441-448	3	23.3	3	24.5	0	0.0	5	11.9	5	14.9	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	4	31.1	4	32.7	0	0.0	18	43.3	16	47.7	2	25.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	7	54.5	6	49.0	1	163.7 ²	33	79.4	33	98.3	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	1	7.8	1	8.2	0	0.0	5	12.0	5	14.9	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	6	46.7	5	40.8	1	163.7 ²	28	67.3	28	83.4	0	0.0
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	2	15.6	2	16.3	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	0	0.0	0	0.0	0	0.0	5	12.0	4	11.9	1	12.5
Cholelithiasis and Other Disorders of Gallbladder, 574-575	2	15.6	2	16.3	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	4	31.1	4	32.7	0	0.0	5	12.0	4	11.9	1	12.5
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	2	4.8	1	3.0	1	12.5
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	4	31.1	4	32.7	0	0.0	3	7.2	3	8.9	2	25.0
Symptoms and Ill-Defined Conditions, 780-799	1	7.8	1	8.2	0	0.0	4	9.6	3	8.9	1	12.5
Accidents, E800-E949	9	70.0	8	65.4	1	163.7 ²	19	45.7	15	44.7	4	50.0
Motor Vehicle Accidents, E810-E825	5	38.9	4	32.7	1	163.7 ²	10	21.6	9	26.8	0	0.0
All Other Accidents, E800-E809, E826-E949	4	31.1	4	32.7	0	0.0	9	24.0	6	17.9	4	50.0
Suicide, E950-E959	3	23.3	3	24.5	0	0.0	6	14.4	6	17.9	0	0.0
Homicide and Legal Intervention, E960-E978	0	0.0	0	0.0	0	0.0	4	9.6	2	6.0	2	25.0
All Other Diseases, Residual	12	93.4	12	98.0	0	0.0	27	64.9	23	68.5	4	50.0

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49--continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	COLBERT COUNTY								CONECUH COUNTY							
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER					
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE				
TOTAL ALL CAUSES	563	11.4	468	11.4	95	11.2	181	13.9	109	15.0	72	12.5				
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Septicemia, 038	7	14.2	5	12.2	2	23.5	1	7.7	0	0.0	1	17.3				
Human Immunodeficiency Virus Infection, 042-044	2	4.0	2	4.9	0	0.0	2	15.3	0	0.0	0	0.0				
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	2	27.5	0	0.0				
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	134	270.9	119	290.6	15	176.3	39	298.8	28	384.9	11	190.4				
Lip, Oral Cavity and Pharynx, 140-149	2	4.0	2	4.9	0	0.0	0	0.0	0	0.0	0	0.0				
Digestive Organs and Peritoneum, 150-159	36	72.8	29	70.8	7	82.3	7	53.6	7	96.2	0	0.0				
Respiratory and Intra-thoracic Organs, 160-165	47	95.0	44	107.4	3	35.3	17	130.2	12	164.9	5	86.5				
Breast, 174-175	8	16.2	8	19.5	0	0.0	3	23.0	2	27.5	1	17.3				
Genitourinary Organs, 179-189	13	26.3	12	29.3	1	11.8	5	38.3	3	41.2	2	34.6				
Leukemia, 204-208	2	4.0	2	4.9	0	0.0	3	23.0	2	27.5	1	17.3				
All Other Sites, 166-173, 176-178, 190-203	26	52.6	22	53.7	4	47.0	4	30.6	2	27.5	2	34.6				
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	0	0.0	0	0.0	0	0.0	2	15.3	1	13.7	1	17.3				
Diabetes Mellitus, 250	13	26.3	10	24.4	3	35.3	4	30.6	1	13.7	3	51.9				
Nutritional Deficiencies, 260-269	1	2.0	1	2.4	0	0.0	0	0.0	0	0.0	0	0.0				
Anemias, 280-285	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Alzheimer's Disease, 3310	10	20.2	9	22.0	1	11.8	1	7.7	0	0.0	0	0.0				
Major Cardiovascular Diseases, 390-448	240	485.2	188	459.1	52	611.1	84	643.5	49	673.5	35	605.7				
Diseases of Heart, 390-398, 402, 404-429	193	390.2	153	373.6	40	470.1	66	505.6	42	577.3	24	415.4				
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	1	2.0	1	2.4	0	0.0	1	7.7	1	13.7	0	0.0				
Hypertension with Heart and Chronic Rheumatic Heart Disease, 402, 404	6	12.1	5	9.8	2	23.5	3	23.0	0	0.0	3	51.9				
Ischemic Heart Disease, 410-414	112	226.4	95	232.0	17	199.8	25	191.5	19	261.2	6	103.8				
Other Diseases of Heart, 405, 415-429	74	149.6	53	129.4	21	246.8	37	283.5	22	302.4	15	259.6				
Hypertension with or without Renal Disease, 401, 403	3	6.1	1	2.4	2	23.5	2	15.3	1	13.7	1	17.3				
Cardiovascular Disease, 430-438	43	86.9	33	80.6	10	117.5	14	107.3	5	68.7	9	155.8				
Diseases of the Arteries, 440-448	1	2.0	1	2.4	0	0.0	2	15.3	1	13.7	1	17.3				
Atherosclerosis, 440	1	2.0	1	2.4	0	0.0	1	7.7	1	13.7	0	0.0				
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	1	7.7	0	0.0	1	17.3				
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Pneumonia and Influenza, 480-487	19	38.4	13	31.7	6	70.5	7	53.6	4	55.0	3	51.9				
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	31	62.7	31	75.7	0	0.0	4	30.6	3	41.2	1	17.3				
Bronchitis, Emphysema and Asthma, 490-493	9	18.2	9	22.0	0	0.0	1	7.7	0	0.0	1	17.3				
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	22	44.5	22	53.7	0	0.0	3	23.0	3	41.2	0	0.0				
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	1	7.7	1	13.7	0	0.0				
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	4	8.1	4	9.8	0	0.0	2	15.3	0	0.0	2	34.6				
Chronic Liver Disease and Cirrhosis, 571	6	12.1	5	12.2	1	11.8	4	30.6	3	41.2	1	17.3				
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	8	16.2	6	14.7	2	23.5	0	0.0	0	0.0	0	0.0				
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Complications of Pregnancy, 740-759	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Congenital Anomalies, 740-759	2	4.0	2	4.9	0	0.0	0	0.0	0	0.0	0	0.0				
Certain Conditions Originating in the Perinatal Period, 760-779	2	4.0	2	4.9	0	0.0	0	0.0	0	0.0	0	0.0				
Symptoms and Ill-Defined Conditions, 780-799	2	4.0	2	4.9	0	0.0	0	0.0	0	0.0	0	0.0				
Accidents, 880-899	20	40.4	19	46.4	1	11.8	1	7.7	0	0.0	1	17.3				
Motor Vehicle Accidents, E810-E825	12	24.3	11	26.9	1	11.8	13	99.6	7	99.6	6	103.8				
All Other Accidents, E800-E809, E826-E949	8	16.2	8	19.5	0	0.0	5	61.3	5	68.7	3	51.9				
Suicide, E950-E959	10	20.2	8	19.5	2	23.5	1	7.7	2	27.5	0	0.0				
Homicide and Legal Intervention, E960-E978	3	6.1	1	2.4	2	23.5	1	7.7	1	13.7	1	17.3				
All Other Diseases, Residual	49	99.1	41	100.1	8	94.0	13	99.6	7	96.2	6	103.8				

¹ Total Death Rate is per 1,000 population. Cause Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	COOSA COUNTY						COVINGTON COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	119	10.9	83	11.7	36	9.4	481	13.4	423	13.6	58	11.9
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	1	9.2	1	14.1	1	26.2	7	19.5	7	22.5	0	0.0
Human Immunodeficiency Virus Infection, 042-044	1	9.2	0	0.0	1	0.0	1	2.8	1	3.2	1	20.4
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	21	19.28	14	198.0	7	183.2	115	319.8	101	325.1	14	286.2
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	5	13.9	4	12.9	1	20.4
Digestive Organs and Peritoneum, 150-159	4	36.7	4	56.6	0	0.0	26	72.3	23	74.0	3	61.3
Respiratory and Intra-thoracic Organs, 160-165	7	64.3	6	84.9	1	26.2	34	94.5	31	99.8	3	61.3
Breast, 174-175	1	9.2	1	14.1	0	0.0	6	16.7	6	19.3	0	0.0
Genitourinary Organs, 179-189	4	36.7	2	28.3	2	52.4	20	55.6	18	57.9	2	40.9
Leukemia, 204-208	2	18.4	1	14.1	1	26.2	6	16.7	5	16.1	1	20.4
All Other Sites, 166-173, 176-178, 190-203	3	27.5	0	0.0	3	78.5	18	50.1	14	45.1	4	81.8
Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	0	0.0	0	0.0	0	0.0	1	2.8	1	3.2	0	0.0
Diabetes Mellitus, 250	4	36.7	2	28.3	2	52.4	10	27.8	10	32.2	0	0.0
Nutritional Deficiencies, 260-269	1	9.2	1	14.1	0	0.0	0	0.0	0	0.0	0	0.0
Anemias, 280-289	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	1	2.8	1	3.2	0	0.0
Alzheimer's Disease, 3310	2	18.4	2	28.3	0	0.0	3	8.3	3	9.7	0	0.0
Major Cardiovascular Diseases, 390-448	51	468.3	36	509.2	15	392.7	199	553.4	172	553.6	27	552.0
Diseases of Heart, 390-398, 402, 404-429	42	385.7	34	480.9	8	209.4	155	431.0	136	437.7	19	388.5
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	0	0.0	0	0.0	0	0.0	1	2.8	1	3.2	0	0.0
Ischemic Heart Disease, 410-414	23	211.2	17	240.5	6	157.1	91	253.0	85	273.6	6	122.7
Other Diseases of Heart, 405, 415-429	19	174.5	17	240.5	2	52.4	63	175.2	50	160.9	13	265.8
Hypertension with or without Renal Disease, 401, 403	5	45.9	0	0.0	1	26.2	2	5.6	2	6.4	0	0.0
Cerebrovascular Disease, 430-438	3	27.5	2	28.3	3	78.5	38	105.7	30	96.6	8	163.6
Diseases of the Arteries, 440-448	3	27.5	2	28.3	3	78.5	4	11.1	4	12.9	0	0.0
Atherosclerosis, 440	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other Diseases of the Arteries, 441-448	3	27.5	0	0.0	3	78.5	4	11.1	4	12.9	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	4	36.7	4	56.6	0	0.0	21	58.4	20	64.4	1	20.4
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	4	36.7	4	56.6	0	0.0	5	13.9	5	16.1	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	3	27.5	3	42.4	0	0.0	5	13.9	5	16.1	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	1	9.2	1	14.1	0	0.0	13	36.1	13	41.8	0	0.0
Ulcer of Stomach and Duodenum, 531-533	1	9.2	1	14.1	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	1	9.2	0	0.0	1	26.2	1	2.8	1	3.2	0	0.0
Chronic Liver Disease and Cirrhosis, 571	2	18.4	2	28.3	0	0.0	5	13.9	5	16.1	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	1	2.8	1	3.2	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	3	27.5	2	28.3	1	26.2	9	25.0	6	19.3	3	61.3
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	1	9.2	1	14.1	0	0.0	5	13.9	3	9.7	2	40.9
Certain Conditions Originating in the Perinatal Period, 760-779	0	0.0	0	0.0	0	0.0	1	2.8	1	3.2	0	0.0
Symptoms and Ill-Defined Conditions, 780-799	10	91.8	7	99.0	0	0.0	28	77.9	27	86.9	1	20.4
Accidents, E800-E949	5	45.9	5	70.7	0	0.0	22	61.2	22	70.8	0	0.0
Motor Vehicle Accidents, E810-E825	1	9.2	1	14.1	0	0.0	6	16.7	5	16.1	1	20.4
All Other Accidents, E800-E809, E826-E949	4	36.7	4	56.6	0	0.0	16	45.9	17	53.9	0	0.0
Suicide, E950-E959	1	9.2	1	14.1	0	0.0	2	5.6	2	6.4	0	0.0
Homicide and Legal Intervention, E960-E978	1	9.2	1	14.1	0	0.0	2	5.6	2	6.4	0	0.0
All Other Diseases, Residual	9	82.6	4	56.6	5	130.9	42	116.8	33	106.2	9	184.0

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.

² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH(ICD CODE(S))	GRENSHAW COUNTY				CULLMAN COUNTY							
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	202	15.3	152	15.6	50	14.4	760	10.6	753	10.6	7	7.9²
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	2	15.1	2	20.5	0	0.0	13	18.1	13	18.3	0	0.0
Human Immunodeficiency Virus Infection, 042-044	1	7.6	1	10.3	0	0.0	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	1	7.6	0	0.0	1	28.8	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	42	317.6	30	307.6	12	345.6	152	211.7	151	213.0	1	112.7 ²
Lip, Oral Cavity and Pharynx, 140-149	1	7.6	0	0.0	1	28.8	1	1.4	1	1.4	0	0.0
Digestive Organs and Peritoneum, 150-159	15	113.4	9	92.3	6	172.8	31	43.2	31	43.7	0	0.0
Respiratory and Intra-thoracic Organs, 160-165	12	90.7	9	92.3	3	86.4	57	79.4	56	79.0	1	112.7 ²
Breast, 174-175	12	90.7	1	10.3	0	0.0	8	11.1	8	11.1	0	0.0
Genitourinary Organs, 179-189	5	37.8	5	51.3	1	28.8	13	18.1	13	18.3	0	0.0
Leukemia, 204-208	4	30.2	3	30.8	1	28.8	9	12.5	9	12.7	0	0.0
All Other Sites, 166-173, 176-178, 190-203	3	22.7	3	30.8	0	0.0	33	46.0	33	46.5	0	0.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	2	15.1	2	20.5	0	0.0	1	1.4	1	1.4	0	0.0
Diabetes Mellitus, 250	3	22.7	1	10.3	2	57.6	26	36.2	26	36.7	0	0.0
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	3	4.2	3	4.2	0	0.0
Anemias, 280-285	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	2	15.1	2	20.5	0	0.0	9	12.5	9	12.7	0	0.0
Major Cardiovascular Diseases, 390-448	78	589.7	60	615.1	18	518.4	341	475.0	336	473.9	5	563.7 ²
Diseases of Heart, 390-398, 402, 404-429	68	514.1	53	543.4	15	432.0	284	395.6	280	394.9	4	451.0 ²
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	5	7.0	5	7.1	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	0	0.0	0	0.0	4	115.2	7	9.8	7	9.9	0	0.0
Ischemic Heart Disease, 410-414	22	166.3	18	184.5	4	115.2	161	224.3	159	224.3	2	225.5 ²
Other Diseases of Heart, 405, 415-429	46	347.8	35	358.8	11	316.8	116	161.6	114	160.8	2	225.5 ²
Hypertension with or without Renal Disease, 401, 403	0	0.0	0	0.0	0	0.0	4	5.6	4	5.6	0	0.0
Cerebrovascular Disease, 430-438	9	68.0	7	71.8	2	57.6	43	59.9	42	59.2	1	112.7 ²
Diseases of the Arteries, 440-448	1	7.6	0	0.0	1	28.8	10	13.9	10	14.1	0	0.0
Atherosclerosis, 440	0	0.0	0	0.0	0	0.0	3	4.2	3	4.2	0	0.0
Other Diseases of the Arteries, 441-448	1	7.6	0	0.0	1	28.8	7	9.8	7	9.9	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	19	143.7	15	153.8	4	115.2	22	30.6	22	31.0	0	0.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	10	75.6	8	82.0	2	57.6	33	46.0	33	46.5	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	2	15.1	1	10.3	1	28.8	9	12.5	9	12.7	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	8	60.5	7	71.8	1	28.8	24	33.4	24	33.9	0	0.0
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	1	1.4	1	1.4	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	1	1.4	1	1.4	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	2	15.1	2	20.5	0	0.0	2	2.8	2	2.8	0	0.0
Chronic Liver Disease and Cirrhosis, 571	0	0.0	0	0.0	0	0.0	4	5.6	4	5.6	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	1	7.6	1	10.3	0	0.0	1	1.4	1	1.4	1	112.7 ²
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	4	30.2	1	10.3	3	86.4	13	18.1	13	18.3	0	0.0
Infections of the Kidney, 590	1	7.6	1	10.3	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	1	1.4	1	1.4	0	0.0
Congenital Anomalies, 740-759	0	0.0	0	0.0	0	0.0	5	7.0	5	7.1	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	0	0.0	0	0.0	0	0.0	6	8.4	6	8.5	0	0.0
Symptoms and Ill-Defined Conditions, 780-799	2	15.1	2	20.5	3	86.4	9	12.5	9	12.7	0	0.0
Accidents, E800-E949	13	98.3	10	102.5	3	86.4	41	57.1	41	57.8	0	0.0
Motor Vehicle Accidents, E810-E825	7	52.9	6	61.5	1	28.8	20	27.9	20	28.2	0	0.0
All Other Accidents, E800-E809, E826-E949	6	45.4	4	41.0	2	57.6	21	29.3	21	29.6	0	0.0
Suicide, E950-E959	2	15.1	1	10.3	1	28.8	5	7.0	5	7.1	0	0.0
Homicide and Legal Intervention, E960-E978	0	0.0	0	0.0	0	0.0	4	5.6	4	5.6	0	0.0
All Other Diseases, Residual	17	128.5	13	133.3	4	115.2	66	91.9	66	93.1	0	0.0

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49-continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	DALE COUNTY					DALLAS COUNTY						
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	410	8.1	343	8.7	67	6.3	593	13.4	272	15.7	321	12.0
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	4	7.9	3	7.6	1	9.3	16	36.2	6	34.6	10	37.3
Human Immunodeficiency Virus Infection, 042-044	1	2.0	0	0.0	1	9.3	2	4.5	1	5.8	1	3.7
Viral Hepatitis, 070	1	2.0	1	2.5	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	92	182.8	78	196.9	14	130.7	142	321.6	72	414.8	70	261.1
Lip, Oral Cavity and Pharynx, 140-149	1	2.0	0	0.0	1	9.3	3	6.8	2	11.5	1	3.7
Digestive Organs and Peritoneum, 150-159	19	37.8	14	35.3	5	46.7	37	83.8	20	115.2	17	63.4
Respiratory and Intra-thoracic Organs, 160-165	37	73.5	31	78.3	6	56.0	39	88.3	23	132.5	16	59.7
Breast, 174-175	5	9.9	5	12.6	0	0.0	7	15.9	5	28.8	2	7.5
Genitourinary Organs, 179-189	8	15.9	8	20.2	0	0.0	31	70.2	9	51.9	22	82.1
Leukemia, 204-208	2	4.0	1	2.5	1	9.3	23	4.5	1	5.8	1	3.7
All Other Sites, 166-173, 176-178, 190-203	20	39.7	19	48.0	1	9.3	2	52.1	12	69.1	11	41.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	1	2.0	1	2.5	0	0.0	1	2.3	1	5.8	0	0.0
Diabetes Mellitus, 250	11	21.9	10	25.2	1	9.3	18	40.8	4	23.0	14	52.2
Nutritional Deficiencies, 260-269	1	2.0	0	0.0	0	0.0	2	4.5	0	0.0	1	3.7
Anemias, 280-285	1	2.0	0	0.0	1	9.3	0	0.0	1	5.8	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	2	4.0	2	5.0	0	0.0	2	4.5	1	5.8	1	3.7
Major Cardiovascular Diseases, 390-448	167	331.9	144	363.6	23	214.7	206	466.5	86	485.5	120	447.7
Diseases of Heart, 390-398, 402, 404-429	136	270.3	116	292.9	20	186.7	159	360.0	66	380.3	93	347.0
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	5	9.9	4	10.1	1	9.3	6	13.6	2	11.5	4	14.9
Hypertension with Heart and Renal Disease, 402, 404	84	166.9	76	191.9	8	74.7	86	194.7	32	184.4	54	201.5
Isochemic Heart Disease, 410-414	45	89.4	34	85.8	11	102.7	67	151.7	32	184.4	35	130.6
Other Diseases of Heart, 405, 415-429	3	6.0	2	5.0	2	18.7	7	15.9	2	11.5	5	18.7
Hypertension with or without Renal Disease, 401, 403	26	51.7	24	60.6	2	18.7	37	83.8	16	92.2	21	78.3
Coronary Arteriosclerosis, 430-438	2	4.0	2	5.0	0	0.0	3	6.8	2	11.5	1	3.7
Diseases of the Arteries, 440-448	2	4.0	2	5.0	0	0.0	0	0.0	0	0.0	0	0.0
Atherosclerosis, 440	0	0.0	0	0.0	0	0.0	3	6.8	0	0.0	1	3.7
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0	2	11.5	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	10	19.9	8	20.2	2	18.7	14	31.7	8	46.1	6	22.4
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	22	43.7	21	53.0	1	9.3	21	47.6	14	80.7	7	26.1
Bronchitis, Emphysema and Asthma, 490-493	7	13.9	7	17.7	0	0.0	7	6.8	2	11.5	1	3.7
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	15	29.8	14	35.3	1	9.3	18	40.8	12	69.1	6	22.4
Ulcer of Stomach and Duodenum, 531-533	1	2.0	1	2.5	0	0.0	1	2.3	1	5.8	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	4	7.9	4	10.1	0	0.0	1	2.3	1	5.8	0	0.0
Chronic Liver Disease and Cirrhosis, 571	3	6.0	3	7.6	0	0.0	4	9.1	2	11.5	2	7.5
Cholelithiasis and Other Disorders of Gallbladder, 574-575	2	4.0	2	5.0	0	0.0	1	2.3	0	0.0	1	3.7
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	10	19.9	6	15.1	4	37.3	9	20.4	3	17.3	6	22.4
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	1	2.3	0	0.0	1	3.7
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	6	11.9	5	12.6	1	9.3	2	4.5	0	0.0	2	7.5
Certain Conditions Originating in the Perinatal Period, 760-779	4	7.9	3	7.6	1	9.3	7	15.9	0	0.0	7	26.1
Symptoms and Ill-Defined Conditions, 780-799	9	17.9	6	15.1	3	28.0	23	52.1	14	80.7	9	33.6
Accidents, E800-E949	4	7.9	3	7.6	1	9.3	23	52.1	14	80.7	9	33.6
Motor Vehicle Accidents, E810-E825	16	31.8	14	35.3	2	18.7	27	61.1	13	74.9	14	52.2
All Other Accidents, E800-E809, E826-E949	5	9.9	5	12.6	0	0.0	18	40.8	7	40.3	11	41.0
Suicide, E950-E959	11	21.9	9	22.7	2	18.7	8	18.1	6	34.6	3	11.2
Homicide and Legal Intervention, E960-E978	8	15.9	7	17.7	1	9.3	8	22.6	3	17.3	5	18.7
All Other Diseases, Residual	2	4.0	1	2.5	1	9.3	10	22.6	2	11.5	8	29.8
	33	65.6	23	58.1	10	93.3	75	169.8	39	224.7	36	134.3

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	DEKALB COUNTY										ELMORE COUNTY				
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER				
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE			
TOTAL ALL CAUSES	659	11.8	644	12.0	15	7.4	539	10.1	449	10.8	90	7.5			
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0			
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0			
Septicemia, 038	5	9.0	5	9.3	0	0.0	3	5.6	2	4.8	1	8.4			
Human Immunodeficiency Virus Infection, 042-044	1	1.8	1	1.9	0	0.0	3	5.6	2	4.8	1	8.4			
Viral Hepatitis, 070	1	1.8	1	1.9	0	0.0	1	1.9	1	2.4	0	0.0			
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0			
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	134	240.8	128	238.7	6	297.3	119	222.6	105	253.0	14	117.0			
Lip, Oral Cavity and Pharynx, 140-149	3	5.4	3	5.6	0	0.0	3	5.6	3	7.2	0	0.0			
Digestive Organs and Peritoneum, 150-159	21	37.7	18	33.6	3	148.7	13	24.3	11	26.5	2	16.7			
Respiratory Organs and Intrathoracic Organs, 160-165	27	48.5	27	50.4	0	0.0	39	72.9	35	84.3	4	33.4			
Breast, 174-175	11	19.8	11	20.5	0	0.0	14	26.2	11	26.5	3	25.1			
Genitourinary Organs, 179-189	15	27.0	13	24.2	2	99.1	21	39.3	19	45.8	2	16.7			
Leukemia, 204-208	6	10.8	6	11.2	0	0.0	3	5.6	3	7.2	0	0.0			
All Other Sites, 166-173, 176-178, 190-203	51	91.7	50	93.2	1	49.6	26	48.6	23	55.4	3	25.1			
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	2	3.6	2	3.7	0	0.0	2	3.7	2	4.8	0	0.0			
Diabetes Mellitus, 250	13	23.4	12	22.4	1	49.6	17	31.8	9	21.7	8	66.9			
Nutritional Deficiencies, 260-269	3	5.4	3	5.6	0	0.0	1	1.9	1	2.4	0	0.0			
Anemias, 280-285	3	5.4	3	5.6	0	0.0	1	1.9	1	2.4	0	0.0			
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0			
Alzheimer's Disease, 3310	12	21.6	12	22.4	0	0.0	5	9.4	3	7.2	2	16.7			
Major Cardiovascular Diseases, 390-448	309	555.3	306	570.6	3	148.7	211	394.6	180	433.7	31	259.1			
Diseases of Heart, 390-398, 402, 404-429	248	445.7	245	456.9	3	148.7	168	314.2	143	344.6	25	208.9			
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	2	3.6	2	3.7	0	0.0	1	1.9	0	0.0	0	0.0			
Hypertension with Heart and Renal Disease, 402, 404	12	21.6	12	22.4	0	0.0	11	20.6	7	16.9	4	33.4			
Ischemic Heart Disease, 410-414	82	147.6	80	149.2	2	99.1	81	151.5	68	163.9	13	108.7			
Other Diseases of Heart, 405, 415-429	152	273.2	151	281.6	1	49.6	76	142.1	68	163.9	8	66.9			
Hypertension with or without Renal Disease, 401, 403	0	0.0	0	0.0	0	0.0	2	3.7	2	4.8	0	0.0			
Cerebrovascular Disease, 430-438	40	71.9	40	74.2	0	0.0	35	65.5	29	69.9	6	50.1			
Diseases of the Arteries, 440-448	21	37.7	21	39.6	0	0.0	6	11.2	6	14.5	0	0.0			
Atherosclerosis, 440	11	19.8	11	20.5	0	0.0	1	1.9	1	2.4	0	0.0			
Other Diseases of the Arteries, 441-448	10	18.0	10	18.6	0	0.0	5	9.4	5	12.0	0	0.0			
Acute Bronchitis and Bronchiolitis, 466	22	39.5	20	37.3	2	99.1	9	16.8	9	21.7	0	0.0			
Pneumonia and Influenza, 480-487	22	39.5	20	37.3	2	99.1	9	16.8	9	21.7	0	0.0			
Chronic Obstructive Pulmonary Disease, 490-496	35	62.9	35	65.3	0	0.0	28	52.4	24	57.8	4	33.4			
Bronchitis, Emphysema and Asthma, 490-493	6	10.8	6	11.2	0	0.0	1	1.9	1	2.4	0	0.0			
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	29	52.1	29	54.1	0	0.0	27	50.5	23	55.4	4	33.4			
Ulcer of Stomach and Duodenum, 531-533	1	1.8	1	1.9	0	0.0	2	3.7	2	4.8	0	0.0			
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0			
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	1	1.8	1	1.9	0	0.0	4	7.5	3	7.2	1	8.4			
Chronic Liver Disease and Cirrhosis, 571	6	10.8	6	11.2	0	0.0	1	1.9	1	2.4	0	0.0			
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	1	1.9	1	2.4	0	0.0			
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	5	9.0	5	9.3	0	0.0	7	13.1	6	14.5	1	8.4			
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0			
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	1	1.9	1	2.4	0	0.0			
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0			
Congenital Anomalies, 740-759	2	3.6	2	3.7	0	0.0	3	5.6	2	4.8	1	8.4			
Certain Conditions Originating in the Perinatal Period, 760-779	0	0.0	0	0.0	0	0.0	4	7.5	3	7.2	4	33.4			
Symptoms and Ill-Defined Conditions, 780-799	9	16.2	8	14.9	1	49.6	26	48.6	22	53.0	8	66.9			
Accidents, E800-E949	35	62.9	34	63.4	1	49.6	26	48.6	18	43.4	8	66.9			
Motor Vehicle Accidents, E810-E825	17	30.6	17	31.7	0	0.0	11	20.6	9	21.7	2	16.7			
All Other Accidents, E800-E809, E826-E949	18	32.3	17	31.7	1	49.6	15	28.1	9	21.7	6	50.1			
Suicide, E950-E959	3	5.4	3	5.6	0	0.0	11	20.6	11	26.5	0	0.0			
Homicide and Legal Intervention, E960-E978	7	12.6	7	13.1	0	0.0	3	5.6	0	0.0	3	25.1			
All Other Diseases, Residual	50	89.9	49	91.4	1	49.6	51	95.4	41	98.8	10	83.6			

¹Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
²The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	ESCAMBIA COUNTY						ETOWAH COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	435	13.0	295	12.8	140	13.5	1,304	13.5	1,139	13.9	165	11.0
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	1	1.0	1	1.2	0	0.0
Meningococcal Infection, 036	5	14.9	4	17.3	1	0.0	0	0.0	12	14.7	1	6.7
Septicemia, 038	3	9.0	3	13.0	0	0.0	2	2.1	0	0.0	2	13.4
Human Immunodeficiency Virus Infection, 042-044	1	3.0	1	4.3	0	0.0	1	1.0	1	1.2	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	88	262.6	58	251.0	30	288.5	286	295.9	246	301.1	40	267.7
Lip, Oral Cavity and Pharynx, 140-149	2	6.0	2	8.7	0	0.0	7	7.2	7	8.6	0	0.0
Digestive Organs and Peritoneum, 150-159	25	74.6	14	60.6	11	105.8	68	72.2	59	72.2	9	60.2
Respiratory and Intrathoracic Organs, 160-165	26	77.6	17	73.6	9	86.5	90	93.1	80	97.9	10	66.9
Breast, 174-175	10	29.8	7	30.3	3	28.8	14	14.5	12	14.7	2	13.4
Genitourinary Organs, 179-189	9	26.9	7	30.3	2	19.2	39	40.3	30	36.7	9	60.2
Leukemia, 204-208	4	11.9	1	4.3	3	28.8	11	11.4	9	11.0	2	13.4
All Other Sites, 166-173, 176-178, 190-203	12	36.8	10	43.3	2	19.2	57	59.0	49	60.0	8	53.5
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and Diabetes Mellitus, 250	3	9.0	2	8.7	1	9.6	6	6.2	2	2.4	4	26.8
Nutritional Deficiencies, 260-269	21	62.7	12	51.9	9	86.5	23	23.8	18	22.0	5	33.5
Anemias, 280-285	1	3.0	1	4.3	0	0.0	4	4.1	4	4.9	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	1	0.0	3	3.1	1	1.2	2	13.4
Alzheimer's Disease, 3310	12	35.8	11	47.6	1	9.6	31	32.1	30	36.7	1	6.7
Major Cardiovascular Diseases, 390-448	175	522.2	110	475.9	65	625.0	516	533.9	460	562.9	56	374.8
Diseases of Heart, 390-398, 402, 404-429	132	393.9	84	363.4	48	461.5	421	435.6	380	465.0	41	274.4
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	2	6.0	2	8.7	3	28.8	4	4.1	4	4.9	0	0.0
Ischemic Heart Disease, 410-414	8	23.9	5	21.6	3	28.8	4	4.1	4	4.9	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	63	188.0	46	199.0	17	163.5	180	180.0	161	197.0	13	87.0
Other Diseases of Heart, 405, 415-429	59	176.1	31	134.1	28	269.2	242	250.4	214	261.9	28	187.4
Cerebrovascular Disease, 430-438	1	3.0	1	4.3	0	0.0	3	3.1	1	1.2	2	13.4
Diseases of the Arteries, 440-448	36	107.4	22	95.2	14	134.6	80	82.8	69	84.4	11	73.6
Atherosclerosis, 440	6	17.9	3	13.0	3	28.8	12	12.4	10	12.2	2	13.4
Other Diseases of the Arteries, 441-448	2	6.0	1	4.3	1	9.6	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	4	11.9	2	8.7	2	19.2	12	12.4	10	12.2	2	13.4
Pneumonia and Influenza, 480-487	20	59.7	13	56.2	7	67.3	58	60.0	0	0.0	6	40.2
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	17	50.7	14	60.6	3	28.8	85	87.9	81	99.1	4	26.8
Bronchitis, Emphysema and Asthma, 490-493	1	3.0	1	4.3	0	0.0	26	26.9	24	29.4	2	13.4
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	16	47.7	13	56.2	3	28.8	59	61.0	57	69.8	2	13.4
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	0	0.0	0	0.0	0	0.0	4	4.1	4	4.9	0	0.0
Chronic Liver Disease and Cirrhosis, 571	6	17.9	5	21.6	1	9.6	18	18.6	16	19.6	2	13.4
Cholelithiasis and Other Disorders of Gallbladder, 574-575	2	6.0	0	0.0	2	19.2	2	2.1	1	1.2	2	13.4
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	6	17.9	4	17.3	2	19.2	26	26.9	21	25.7	5	33.5
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	7	20.9	6	26.0	1	9.6	5	5.2	1	1.2	4	26.8
Certain Conditions Originating in the Perinatal Period, 760-779	4	11.9	3	13.0	3	28.8	29	30.0	25	30.6	4	26.8
Symptoms and Ill-Defined Conditions, 780-799	5	14.9	3	13.0	2	19.2	59	61.0	50	61.2	9	60.2
Accidents, E800-E949	21	62.7	18	77.9	3	28.8	27	27.9	23	28.1	4	26.8
Motor Vehicle Accidents, E810-E825	11	32.8	7	30.3	3	28.8	32	33.1	27	33.0	5	33.5
All Other Accidents, E800-E809, E826-E949	10	29.8	11	47.6	0	0.0	17	17.6	17	20.8	0	0.0
Suicide, E950-E959	5	14.9	3	13.0	0	0.0	8	8.3	4	4.9	4	26.8
Homicide and Legal Intervention, E960-E978	3	9.0	5	21.6	0	0.0	17	17.6	17	20.8	4	26.8
All Other Diseases, Residual	29	86.5	21	90.9	8	76.9	105	108.6	91	111.4	14	93.7

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	FAYETTE COUNTY								FRANKLIN COUNTY							
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER					
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE				
TOTAL ALL CAUSES	247	14.2	220	14.5	27	12.6	357	13.1	339	13.1	18	13.0				
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Septicemia, 038	4	23.1	4	26.3	0	0.0	7	25.6	6	23.1	1	7.2				
Human Immunodeficiency Virus Infection, 042-044	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	54	311.5	47	309.5	7	325.7	78	285.5	74	285.3	4	289.6				
Lip, Oral Cavity and Pharynx, 140-149	2	11.5	2	13.2	0	0.0	1	3.7	1	3.9	0	0.0				
Digestive Organs and Peritoneum, 150-159	13	75.0	12	79.0	1	46.5	11	40.3	10	38.6	1	7.2				
Respiratory and Intrathoracic Organs, 160-165	14	80.8	13	85.6	1	46.5	32	117.1	30	115.7	2	144.8				
Breast, 174-175	14	11.5	2	13.2	0	0.0	3	11.0	2	7.7	1	7.2				
Genitourinary Organs, 179-189	14	80.8	10	65.9	4	186.1	7	25.6	7	27.0	0	0.0				
Leukemia, 204-208	2	11.5	1	6.6	1	46.5	4	14.6	4	15.4	0	0.0				
All Other Sites, 166-173, 176-178, 190-203	7	40.4	7	46.1	0	0.0	20	73.2	20	77.1	0	0.0				
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	0	0.0	0	0.0	0	0.0	2	7.3	1	3.9	1	7.2				
Diabetes Mellitus, 250	10	57.7	10	65.9	0	0.0	11	40.3	11	42.4	0	0.0				
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	2	7.3	2	7.7	0	0.0				
Anemias, 280-285	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Alzheimer's Disease, 3310	2	11.5	2	13.2	0	0.0	1	3.7	1	3.9	0	0.0				
Major Cardiovascular Diseases, 390-448	110	634.6	100	658.5	10	465.3	149	545.4	144	555.2	5	362.1				
Diseases of Heart, 390-398, 402, 404-429	87	501.9	82	540.0	5	232.7	121	442.9	118	455.0	3	217.2				
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	2	7.3	2	7.7	0	0.0				
Hypertension with Heart and Renal Disease, 402, 404	0	0.0	0	0.0	0	0.0	1	3.7	1	3.9	0	0.0				
Ischemic Heart Disease, 410-414	34	196.1	33	217.3	0	0.0	52	190.4	50	192.8	2	144.8				
Other Diseases of Heart, 405, 415-429	53	305.8	49	322.7	4	186.1	66	241.6	65	250.6	1	72.4				
Hypertension with or without Renal Disease, 401, 403	1	5.8	0	0.0	1	46.5	1	3.7	0	0.0	1	7.2				
Cerebrovascular Disease, 430-438	22	126.9	18	118.5	4	186.1	19	69.6	18	69.4	1	7.2				
Diseases of the Arteries, 440-448	0	0.0	0	0.0	0	0.0	8	29.3	8	30.8	0	0.0				
Atherosclerosis, 440	0	0.0	0	0.0	0	0.0	4	14.6	4	15.4	0	0.0				
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	4	14.6	4	15.4	0	0.0				
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Pneumonia and Influenza, 480-487	9	51.9	8	52.7	1	48.5	6	22.0	5	19.3	1	7.2				
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	8	46.2	6	39.5	2	93.1	23	84.2	22	84.8	1	7.2				
Bronchitis, Emphysema and Asthma, 490-493	2	11.5	1	6.6	1	46.5	3	11.0	3	11.6	0	0.0				
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	6	34.6	5	32.9	1	46.5	20	73.2	19	73.3	1	7.2				
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	0	0.0	0	0.0	0	0.0	2	7.3	2	7.7	0	0.0				
Chronic Liver Disease and Cirrhosis, 571	1	5.8	1	6.6	0	0.0	5	18.3	5	19.3	0	0.0				
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	1	3.7	1	3.9	0	0.0				
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	5	28.8	3	19.8	2	93.1	5	18.3	4	15.4	1	7.2				
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0				
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	1	3.7	1	3.9	0	0.0				
Certain Conditions Originating in the Perinatal Period, 760-779	1	5.8	1	6.6	0	0.0	1	3.7	1	3.9	0	0.0				
Symptoms and Ill-Defined Conditions, 780-799	2	11.5	2	13.2	0	0.0	3	11.0	3	11.6	0	0.0				
Accidents, E800-E949	13	75.0	13	85.6	0	0.0	19	69.6	18	69.4	1	7.2				
Motor Vehicle Accidents, E800-E809, E826-E949	9	51.9	9	59.3	0	0.0	10	36.6	9	34.7	1	7.2				
All Other Accidents, E800-E809, E826-E949	4	23.1	4	26.3	0	0.0	9	32.9	9	34.7	0	0.0				
Suicide, E950-E959	1	5.8	1	6.6	0	0.0	1	3.7	1	3.9	0	0.0				
Homicide and Legal Intervention, E960-E978	1	5.8	0	0.0	0	0.0	3	11.0	2	7.7	0	0.0				
All Other Diseases, Residual	27	155.8	22	144.9	5	232.7	36	131.8	34	131.1	2	144.8				

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	GENEVA COUNTY						GREENE COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	324	14.0	283	14.0	41	14.2	120	12.4	29	16.9	91	11.5
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	2	20.7	1	58.2	1	12.6
Septicemia, 038	4	17.3	4	19.8	0	0.0	0	0.0	0	0.0	0	0.0
Human Immunodeficiency Virus Infection, 042-044	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	2	8.7	2	9.9	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	62	268.2	50	247.1	12	415.2	24	248.9	7	407.2	17	214.6
Lip, Oral Cavity and Pharynx, 140-149	1	4.3	0	0.0	1	34.6	2	20.7	0	0.0	2	25.2
Digestive Organs and Peritoneum, 150-159	13	56.2	10	49.4	3	103.8	7	72.6	3	174.5	4	50.5
Respiratory and Intra-thoracic Organs, 160-165	21	90.8	17	84.0	4	138.4	5	51.9	3	174.5	2	25.2
Breast, 174-175	3	13.0	2	9.9	1	34.6	0	0.0	0	0.0	4	50.5
Genitourinary Organs, 179-189	10	43.3	9	44.5	1	34.6	4	41.5	0	0.0	4	50.5
Leukemia, 204-208	1	4.3	1	4.9	0	0.0	0	0.0	0	0.0	5	63.1
All Other Sites, 166-173, 176-178, 190-203	13	56.2	11	54.4	2	69.2	6	62.2	1	58.2	0	0.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	1	4.3	1	4.9	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus, 250	5	21.6	4	19.8	1	34.6	5	51.9	0	0.0	5	63.1
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Amenias, 280-285	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	6	26.0	5	24.7	1	34.6	2	20.7	2	116.3	0	0.0
Major Cardiovascular Diseases, 390-448	134	579.6	116	573.4	18	622.8	57	591.9	13	756.3	44	555.4
Diseases of Heart, 390-398, 402, 404-429	113	488.7	97	479.5	16	533.6	48	497.9	12	698.1	36	454.4
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	4	17.3	4	19.8	0	0.0	1	0.0	0	0.0	3	37.9
Hypertension with Heart and Renal Disease, 402, 404	73	315.7	62	306.5	11	380.6	12	124.5	4	232.7	8	101.0
Ischemic Heart Disease, 410-414	35	151.4	30	148.3	5	173.0	33	342.3	8	465.4	25	315.6
Other Diseases of Heart, 405, 415-429	0	0.0	0	0.0	0	0.0	1	10.4	1	58.2	0	0.0
Hypertension with or without Renal Disease, 401, 403	12	51.9	11	54.4	1	34.6	6	62.2	0	0.0	6	75.7
Cardiovascular Disease, 430-438	5	21.6	5	24.7	0	0.0	2	20.4	0	0.0	2	25.2
Diseases of the Arteries, 440-448	4	17.3	3	14.8	1	34.6	1	10.4	0	0.0	1	12.6
Atherosclerosis, 440	4	17.3	3	14.8	1	34.6	1	10.4	0	0.0	1	12.6
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	15	64.9	14	69.2	1	34.6	2	20.7	1	58.2	1	12.6
Pneumonia and Influenza, 480-487	24	103.8	23	113.7	1	34.6	1	10.4	0	0.0	1	12.6
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	22	95.2	21	103.8	1	34.6	1	10.4	0	0.0	1	12.6
Bronchitis, Emphysema and Asthma, 490-493	2	8.7	2	9.9	0	0.0	0	0.0	0	0.0	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ulcer of Stomach and Duodenum, 531-533	1	4.3	1	4.9	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	1	4.3	1	4.9	0	0.0	1	10.4	0	0.0	1	12.6
Chronic Liver Disease and Cirrhosis, 571	2	8.7	2	9.9	0	0.0	1	10.4	1	58.2	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	6	26.0	6	29.7	0	0.0	3	31.1	0	0.0	3	37.9
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	1	10.4	0	0.0	1	12.6
Congenital Anomalies, 740-759	2	8.7	2	9.9	0	0.0	1	10.4	0	0.0	1	12.6
Certain Conditions Originating in the Perinatal Period, 760-779	1	4.3	1	4.9	0	0.0	1	10.4	0	0.0	1	12.6
Symptoms and Ill-Defined Conditions, 780-799	5	21.6	5	24.7	0	0.0	9	93.4	0	0.0	9	113.6
Accidents, 800-899	16	69.2	14	69.2	2	69.2	6	62.2	0	0.0	6	75.7
Motor Vehicle Accidents, E810-E825	11	47.6	9	44.5	2	69.2	3	31.1	0	0.0	3	37.9
All Other Accidents, E800-E809, E826-E849	5	21.6	5	24.7	0	0.0	3	31.1	1	58.2	0	0.0
Suicide, E950-E959	2	8.7	2	9.9	0	0.0	3	31.1	1	58.2	0	0.0
Homicide and Legal Intervention, E960-E978	2	8.7	2	9.9	0	0.0	0	0.0	1	58.2	0	0.0
All Other Diseases, Residual	32	138.4	28	138.4	4	138.4	6	62.2	2	116.3	4	50.5

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.

² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	HALE COUNTY ¹				HENRY COUNTY ¹							
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	196	12.7	85	13.1	111	12.5	169	11.0	120	11.7	49	9.4
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	5	32.5	1	15.4	4	45.0	0	0.0	0	0.0	0	0.0
Human Immunodeficiency Virus Infection, 042-044	0	0.0	0	0.0	0	0.0	1	6.5	0	0.0	1	19.3
Viral Hepatitis, 070	1	6.5	1	15.4	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	53	344.6	25	385.3	28	315.0	34	220.4	23	224.7	11	211.9
Lip, Oral Cavity and Pharynx, 140-149	2	13.0	1	15.4	1	11.2	1	6.5	0	0.0	1	19.3
Digestive Organs and Peritoneum, 150-159	10	65.0	3	46.2	7	78.7	8	51.9	3	29.3	5	96.3
Respiratory and Intra-thoracic Organs, 160-165	12	78.0	9	138.7	3	33.7	9	58.3	8	78.2	3	19.3
Breast, 174-175	6	39.0	2	30.8	4	45.0	1	6.5	1	9.8	0	0.0
Genitourinary Organs, 179-189	10	65.0	3	46.2	7	78.7	5	32.4	5	48.8	0	0.0
Leukemia, 204-208	4	26.0	3	46.2	1	11.2	4	25.9	2	19.5	2	38.5
All Other Sites, 166-173, 176-178, 190-203	9	58.5	4	61.6	5	56.2	6	38.9	4	39.1	2	38.5
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	1	6.5	1	15.4	0	0.0	1	6.5	1	9.8	0	0.0
Diabetes Mellitus, 250	9	58.5	2	30.8	7	78.7	3	19.4	1	9.8	2	38.5
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Anemias, 280-285	1	6.5	0	0.0	1	11.2	0	0.0	0	0.0	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	3	19.5	1	15.4	2	22.5	1	6.5	1	9.8	0	0.0
Major Cardiovascular Diseases, 390-448	72	468.2	28	431.5	44	494.9	81	525.0	57	556.9	24	462.2
Diseases of Heart, 390-398, 402, 404-429	58	377.1	21	333.6	37	416.2	61	395.4	46	449.4	15	288.9
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	2	13.0	0	0.0	2	22.5	2	13.0	1	9.8	1	19.3
Ischemic Heart Disease, 410-414	22	143.1	7	107.9	15	168.7	38	246.3	29	283.3	9	173.3
Other Diseases of Heart, 405, 415-429	34	221.1	14	215.7	20	225.0	21	136.1	16	156.3	5	96.3
Hypertension with or without Renal Disease, 401, 403	1	6.5	0	0.0	1	11.2	0	0.0	0	0.0	0	0.0
Cerebrovascular Disease, 430-438	12	78.0	6	92.5	6	67.5	13	84.3	7	68.4	3	115.6
Diseases of the Arteries, 440-448	1	6.5	1	15.4	0	0.0	3	19.4	4	39.1	1	19.3
Atherosclerosis, 440	0	0.0	0	0.0	0	0.0	4	25.9	2	19.5	2	38.5
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	5	32.5	2	30.8	3	33.7	9	58.3	8	87.9	0	0.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	10	65.0	5	77.1	5	56.2	8	51.9	8	78.2	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	2	13.0	1	15.4	1	11.2	3	19.4	3	29.3	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	8	52.0	4	61.6	4	45.0	5	32.4	5	48.8	0	0.0
Ulcer of Stomach and Duodenum, 531-533	1	6.5	1	15.4	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	2	13.0	2	30.8	0	0.0	3	19.4	2	19.5	1	19.3
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	1	6.5	1	15.4	0	0.0	1	6.5	0	0.0	1	19.3
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	1	6.5	1	15.4	0	0.0	0	0.0	0	0.0	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	0	0.0	0	0.0	0	0.0	1	6.5	0	0.0	1	19.3
Symptoms and Ill-Defined Conditions, 780-799	3	19.5	2	30.8	1	11.2	2	13.0	1	9.8	1	19.3
Accidents, E800-E949	11	71.5	5	77.1	6	67.5	8	51.9	7	68.4	1	19.3
Motor Vehicle Accidents, E810-E925	5	32.5	2	30.8	3	33.7	5	32.4	4	39.1	1	19.3
All Other Accidents, E800-E809, E826-E949	6	39.0	3	46.2	3	33.7	3	19.4	3	29.3	0	0.0
Suicide, E950-E959	2	13.0	0	0.0	2	22.5	0	0.0	0	0.0	0	0.0
Homicide and Legal Intervention, E960-E978	3	19.5	3	46.2	0	0.0	0	0.0	0	0.0	0	0.0
All Other Diseases, Residual	12	78.0	4	61.6	8	90.0	16	103.7	10	97.7	6	115.6

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 Population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	HOUSTON COUNTY						JACKSON COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	840	9.7	650	10.1	190	8.7	495	10.9	477	11.4	18	4.9
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	7	8.1	6	9.3	1	4.6	3	6.6	3	7.2	0	0.0
Human Immunodeficiency Virus Infection, 042-044	1	1.2	0	0.0	1	4.6	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	192	222.5	152	235.8	40	183.3	123	270.9	121	289.8	2	54.8
Lip, Oral Cavity and Pharynx, 140-149	5	5.8	4	6.2	1	4.6	1	2.2	1	2.4	0	0.0
Digestive Organs and Peritoneum, 150-159	51	59.1	35	54.3	16	73.3	22	48.4	21	50.3	1	27.4
Respiratory and Intrathoracic Organs, 160-165	58	67.2	48	74.5	10	45.8	40	88.1	40	95.8	0	0.0
Breast, 174-175	11	12.7	8	12.4	3	13.7	4	8.8	4	9.6	0	0.0
Genitourinary Organs, 179-189	28	32.5	20	31.0	8	36.7	25	55.1	25	59.9	0	0.0
Leukemia, 204-208	6	7.0	6	9.3	0	0.0	7	15.4	7	16.8	0	0.0
All Other Sites, 166-173, 176-178, 190-203	33	38.2	31	48.1	2	9.2	24	52.9	23	55.1	1	27.4
Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	2	2.3	1	1.6	1	4.6	3	6.6	3	7.2	0	0.0
Diabetes Mellitus, 250	19	22.0	12	18.6	7	32.1	19	41.8	18	43.1	1	27.4
Nutritional Deficiencies, 260-269	1	1.2	1	1.6	0	0.0	1	2.2	1	2.4	0	0.0
Anemias, 280-285	1	1.2	0	0.0	1	4.6	1	2.2	1	2.4	0	0.0
Meningitis, 320-322	1	1.2	0	0.0	1	4.6	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	18	20.9	16	24.8	2	9.2	4	8.8	3	7.2	1	27.4
Major Cardiovascular Diseases, 390-448	350	405.6	274	425.1	76	348.3	198	436.0	190	455.0	8	219.1
Diseases of Heart, 390-398, 402, 404-429	243	281.6	189	293.2	54	247.4	163	359.0	158	378.4	5	136.9
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	19	22.0	11	17.1	8	36.7	2	4.4	2	4.8	0	0.0
Hypertension with Heart and Renal Disease, 410-414	144	166.9	119	184.6	25	114.6	70	154.2	67	160.5	3	82.1
Ischemic Heart Disease, 410-414	80	92.7	59	91.5	21	96.2	91	200.4	89	213.1	2	54.8
Other Diseases of Heart, 405, 415-429	5	5.8	2	3.1	3	13.7	1	2.2	1	2.4	0	0.0
Hypertension with or without Renal Disease, 401, 403	62	71.9	49	76.0	13	59.6	28	61.7	25	59.9	3	82.1
Cerebrovascular Disease, 430-438	40	46.4	34	52.7	6	27.5	6	13.2	6	14.4	0	0.0
Diseases of the Arteries, 440-448	26	30.1	21	32.6	5	22.9	4	8.8	4	9.6	0	0.0
Atherosclerosis, 440	14	16.2	13	20.2	1	4.6	4	8.8	4	9.6	0	0.0
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	20	23.2	18	27.9	2	9.2	9	19.8	8	19.2	1	27.4
Pneumonia and Influenza, 480-487	54	62.6	45	69.8	9	41.2	16	35.2	16	38.3	0	0.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	14	16.2	11	17.1	3	13.7	3	6.6	3	7.2	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	40	46.4	34	52.7	6	27.5	13	28.6	13	31.1	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	0	0.0	1	1.6	0	0.0	2	4.4	2	4.8	0	0.0
Ulcer of Stomach and Duodenum, 531-533	1	1.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	3	3.5	1	1.6	2	9.2	1	2.2	1	2.4	0	0.0
Chronic Liver Disease and Cirrhosis, 571	14	16.2	9	14.0	5	22.9	6	13.2	6	14.4	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	3	3.5	2	3.1	1	4.6	3	8.8	3	7.2	1	27.4
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	7	8.1	5	7.8	2	9.2	13	28.6	13	31.1	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	1	2.2	1	2.4	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	1	2.2	1	2.4	0	0.0
Con genital Anomalies, 740-759	3	3.5	2	3.1	1	4.6	2	4.4	2	4.8	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	11	12.7	7	7.8	4	18.3	5	11.0	5	12.0	1	27.4
Symptoms and Ill-Defined Conditions, 780-799	7	8.1	5	7.8	2	9.2	3	6.6	3	7.2	0	0.0
Accidents, E800-E949	36	41.7	30	46.5	6	27.5	33	72.7	32	76.6	0	0.0
Motor Vehicle Accidents, E810-E825	22	25.5	19	29.5	3	13.7	12	26.4	11	26.3	0	0.0
All Other Accidents, E800-E809, E826-E949	14	16.2	11	17.1	3	13.7	5	11.0	5	12.0	1	27.4
Suicide, E950-E959	13	15.1	13	20.2	0	0.0	4	8.8	4	9.6	0	0.0
Homicide and Legal Intervention, E960-E978	6	7.0	2	3.1	4	18.3	4	8.8	4	9.6	0	0.0
All Other Diseases, Residual	70	81.1	53	82.2	17	77.9	42	92.5	39	93.4	3	82.1

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	JEFFERSON COUNTY												LAMAR COUNTY									
	TOTAL			WHITE			BLACK AND OTHER			TOTAL			WHITE		BLACK AND OTHER							
	NUMBER	RATE	11.5	NUMBER	RATE	11.8	NUMBER	RATE	2,639	11.0	NUMBER	RATE	192	12.7	NUMBER	RATE	178	13.4	NUMBER	RATE	14	7.5
TOTAL ALL CAUSES	7,300	11.5	4,661	11.8	2,639	11.0	192	12.7	178	13.4	14	7.5										
Tuberculosis, All Forms, 010-018	7	1.1	5	1.3	2	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	94	14.8	43	10.9	51	21.3	4	26.5	40	16.7	3	7.6	4	26.5	3	7.6	1	7.6	1	7.6	1	53.3
Human Immunodeficiency Virus Infection, 042-044	55	8.6	15	3.8	40	16.7	1	6.6	8	3.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	14	2.2	6	1.5	8	3.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	1,535	241.4	1,026	259.0	509	212.2	43	284.5	43	324.8	0	0.0	1	6.6	8	60.4	12	90.7	5	37.8	0	0.0
Lip, Oral Cavity and Pharynx, 140-149	14	2.2	7	1.8	7	2.9	1	6.6	1	7.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Digestive Organs and Peritoneum, 150-159	367	57.7	231	58.3	136	56.7	8	52.9	12	79.4	0	0.0	0	0.0	12	90.7	0	0.0	0	0.0	0	0.0
Respiratory and Intra-thoracic Organs, 160-165	446	70.1	337	85.1	109	45.5	5	33.1	5	33.1	0	0.0	3	19.9	3	22.7	3	22.7	3	22.7	0	0.0
Breast, 174-175	113	17.8	72	18.2	41	17.1	3	19.9	3	22.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Genitourinary Organs, 179-189	237	37.3	132	33.3	105	43.8	2	13.2	2	15.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Leukemia, 204-208	51	8.0	39	9.8	12	5.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other Sites, 166-173, 176-178, 190-203	307	48.3	208	52.5	99	41.3	12	79.4	12	90.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	26	4.1	16	4.0	10	4.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus, 250	266	41.8	128	32.3	138	57.5	8	52.9	6	45.3	2	106.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nutritional Deficiencies, 260-269	16	2.5	7	1.8	2	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Anemias, 280-285	18	2.8	7	1.8	11	4.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, 320-322	1	0.5	1	0.3	2	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	70	11.0	53	13.4	17	7.1	1	6.6	1	7.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Major Cardiovascular Diseases, 390-448	2,609	410.3	1,735	438.1	874	364.4	87	575.7	80	604.4	5	37.3	1	7.6	1	7.6	0	0.0	0	0.0	0	0.0
Diseases of Heart, 390-398, 402, 404-429	1,933	304.0	1,306	329.7	627	261.5	69	456.6	64	483.5	7	266.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	8	1.3	6	1.5	2	0.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	73	11.3	37	9.3	36	15.0	1	6.6	1	7.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ischemic Heart Disease, 410-414	924	145.3	694	175.2	230	95.9	26	172.0	26	196.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other Diseases of Heart, 405, 415-429	928	145.9	569	143.7	359	149.7	42	277.9	37	279.5	5	266.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with or without Renal Disease, 401, 403	76	12.0	29	7.3	178	74.2	11	72.8	10	75.5	1	53.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cerebrovascular Disease, 430-438	516	81.1	338	85.3	178	74.2	11	72.8	10	75.5	1	53.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Diseases of the Arteries, 440-448	84	13.2	62	15.7	22	9.2	6	39.7	6	45.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Atherosclerosis, 440	24	3.8	15	3.8	9	3.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other Diseases of the Arteries, 441-448	60	9.4	47	11.9	13	5.4	6	39.7	6	45.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	323	50.8	230	58.1	93	38.8	7	46.3	6	45.3	1	53.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	326	51.3	271	68.4	55	22.9	13	86.0	11	83.1	2	106.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	80	12.6	65	16.4	15	6.3	1	6.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	246	38.7	206	52.0	40	16.7	12	79.4	11	83.1	1	53.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ulcer of Stomach and Duodenum, 531-533	10	1.6	5	1.3	5	2.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	2	0.3	1	0.3	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	24	3.8	15	3.8	9	3.8	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	66	10.4	45	11.4	21	8.8	1	6.6	1	7.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	12	1.9	9	2.3	3	1.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	132	20.8	63	15.9	69	28.8	3	19.9	3	22.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Infections of the Kidney, 590	1	0.2	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	2	0.3	1	0.3	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	33	5.2	19	4.8	14	5.8	1	6.6	1	7.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Symptoms and Ill-Defined Conditions, 780-799	69	10.9	22	5.6	47	19.6	1	6.6	1	7.6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Accidents, 8800-E949	270	42.5	131	33.1	139	58.0	2	13.2	2	15.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Motor Vehicle Accidents, E810-E825	332	52.2	208	52.5	124	51.7	6	39.7	6	45.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other Accidents, E800-E809, E826-E949	144	22.6	84	21.2	64	25.0	3	19.9	3	22.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other Accidents, E810-E825	188	29.6	124	31.3	64	26.7	3	19.9	3	22.7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Suicide, E950-E959	91	14.3	77	19.4	14	5.8	2	13.2	2	15.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Homicide and Legal Intervention, E960-E978	125	19.7	35	8.8	90	37.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
All Other Diseases, Residual	769	120.9	479	120.9	290	120.9	12	79.4	11	83.1	1	53.3										

¹Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
²

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	LAUDERDALE COUNTY								LAWRENCE COUNTY															
	TOTAL				WHITE				BLACK AND OTHER				TOTAL				WHITE				BLACK AND OTHER			
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE				
TOTAL ALL CAUSES	865	11.0	784	11.2	81	10.0	10.0	316	9.6	283	11.5	33	3.9											
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Septicemia, 038	8	10.2	5	7.1	3	3.7	3.7	1	3.0	0	0.0	1	11.7											
Human Immunodeficiency Virus Infection, 042-044	1	0.0	0	0.0	1	1.2	1.2	0	0.0	0	0.0	0	0.0											
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	197	251.5	180	256.3	17	210.4	210.4	89	269.4	83	338.7	6	70.4											
Lip, Oral Cavity and Pharynx, 140-149	1	1.3	1	1.4	0	0.0	0.0	2	6.1	2	8.2	0	0.0											
Digestive Organs and Peritoneum, 150-159	46	58.7	40	57.0	6	74.2	74.2	10	30.3	8	32.6	2	23.5											
Respiratory and Intrathoracic Organs, 160-165	57	72.8	54	76.9	3	37.1	37.1	29	87.8	27	110.2	2	23.5											
Breast, 174-175	10	12.8	9	12.8	1	12.4	12.4	2	6.1	2	8.2	0	0.0											
Genitourinary Organs, 179-189	32	40.9	29	41.3	3	37.1	37.1	8	24.2	8	32.6	1	0.0											
Leukemia, 204-208	7	8.9	7	10.0	0	0.0	0.0	3	9.1	2	8.2	1	11.7											
All Other Sites, 166-173, 176-178, 190-203	44	56.2	40	57.0	4	49.5	49.5	35	106.0	34	138.7	1	11.7											
Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	5	6.4	5	7.1	0	0.0	0.0	1	3.0	1	4.1	0	0.0											
Diabetes Mellitus, 250	17	21.7	10	14.2	7	86.6	86.6	11	33.3	9	36.7	2	23.5											
Nutritional Deficiencies, 260-269	1	1.3	0	0.0	1	12.4	12.4	2	6.1	2	8.2	0	0.0											
Anemias, 280-285	3	3.8	3	4.3	0	0.0	0.0	1	3.0	1	4.1	0	0.0											
Meningitis, 320-322	1	1.3	0	0.0	1	12.4	12.4	0	0.0	0	0.0	0	0.0											
Alzheimer's Disease, 3310	9	11.5	9	12.8	0	0.0	0.0	1	3.0	1	4.1	0	0.0											
Major Cardiovascular Diseases, 390-448	314	400.9	288	410.0	26	321.7	321.7	116	351.2	100	408.1	16	187.6											
Diseases of Heart, 390-398, 402, 404-429	240	306.4	225	320.3	15	185.6	185.6	90	272.5	78	318.3	12	140.7											
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	4	5.1	4	5.7	0	0.0	0.0	1	3.0	1	4.1	0	0.0											
Hypertension with Heart and Renal Disease, 402, 404	4	5.1	4	5.7	0	0.0	0.0	1	3.0	1	4.1	0	0.0											
Iscemic Heart Disease, 410-414	107	136.6	102	145.2	5	61.9	61.9	54	163.5	46	187.7	8	93.8											
Other Diseases of Heart, 405, 415-429	129	164.7	119	169.4	10	123.7	123.7	35	106.0	31	126.5	4	46.9											
Hypertension with or without Renal Disease, 401, 403	4	5.1	3	4.3	1	12.4	12.4	3	9.1	2	8.2	2	23.5											
Cerebrovascular Disease, 430-438	54	68.9	45	64.1	9	111.4	111.4	23	69.6	21	85.7	2	23.5											
Diseases of the Arteries, 440-448	16	20.4	15	21.4	1	12.4	12.4	0	0.0	0	0.0	0	0.0											
Atherosclerosis, 440	2	2.6	2	2.8	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Other Diseases of the Arteries, 441-448	14	17.9	13	18.5	1	12.4	12.4	0	0.0	0	0.0	0	0.0											
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Pneumonia and Influenza, 480-487	31	39.6	29	41.3	2	24.7	24.7	8	24.2	8	32.6	0	0.0											
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	34	43.4	34	48.4	0	0.0	0.0	15	45.4	15	61.2	0	0.0											
Bronchitis, Emphysema and Asthma, 490-493	8	10.2	8	11.4	0	0.0	0.0	6	18.2	6	24.5	0	0.0											
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	26	33.2	26	37.0	0	0.0	0.0	9	27.2	9	36.7	0	0.0											
Ulcer of Stomach and Duodenum, 531-533	5	6.4	5	7.1	0	0.0	0.0	1	3.0	1	4.1	0	0.0											
Appendicitis, 540-543	1	1.3	1	1.4	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	6	7.7	6	8.5	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Chronic Liver Disease and Cirrhosis, 571	6	7.7	6	8.5	0	0.0	0.0	2	6.1	2	8.2	0	0.0											
Cholelithiasis and Other Disorders of Gallbladder, 574-575	1	1.3	1	1.4	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	17	21.7	13	18.5	4	49.5	49.5	9	27.2	8	32.6	1	11.7											
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0.0	1	3.0	1	4.1	0	0.0											
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0.0	0	0.0	0	0.0	0	0.0											
Con genital Anomalies, 740-759	1	1.3	1	1.4	0	0.0	0.0	2	6.1	1	4.1	1	11.7											
Certain Conditions Originating in the Perinatal Period, 760-779	3	3.8	2	2.8	1	12.4	12.4	5	15.1	4	16.3	0	0.0											
Symptoms and Ill-Defined Conditions, 780-799	50	63.8	43	61.2	7	86.6	86.6	23	69.6	23	93.9	1	11.7											
Accidents, 800-899	46	58.7	42	59.8	4	49.5	49.5	14	42.4	14	57.1	0	0.0											
Motor Vehicle Accidents, E810-E825	26	33.2	22	31.3	4	49.5	49.5	9	27.2	9	36.7	0	0.0											
All Other Accidents, E800-E809, E826-E949	20	25.5	20	28.5	0	0.0	0.0	5	15.1	5	20.4	0	0.0											
Suicide, E950-E959	11	14.0	10	14.2	1	12.4	12.4	2	6.1	1	4.1	1	11.7											
Homicide and Legal Intervention, E960-E978	7	8.9	6	8.5	1	12.4	12.4	2	6.1	1	4.1	1	11.7											
All Other Diseases, Residual	89	113.6	84	119.6	5	61.9	61.9	20	60.5	16	65.3	4	46.9											

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	LEE COUNTY										LIMESTONE COUNTY									
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER									
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE								
TOTAL ALL CAUSES	688	7.3	470	6.8	218	9.0	654	9.2	503	9.5	51	6.8								
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0								
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0								
Septicemia, 038	12	12.8	5	7.2	7	28.9	5	8.3	4	7.6	1	13.4								
Human Immunodeficiency Virus Infection, 042-044	1	1.1	0	0.0	1	4.1	3	5.0	2	3.8	1	13.4								
Viral Hepatitis, 070	2	2.1	2	2.9	0	0.0	0	0.0	0	0.0	0	0.0								
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0								
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	172	183.5	122	175.6	50	206.2	55	91.4	48	91.0	7	94.0								
Lip, Oral Cavity and Pharynx, 140-149	2	2.1	0	0.0	2	8.2	0	0.0	0	0.0	1	0.0								
Digestive Organs and Peritoneum, 150-159	27	28.8	18	25.9	9	37.1	11	18.3	10	19.0	1	13.4								
Respiratory and Intra-thoracic Organs, 160-165	49	52.3	41	59.0	8	33.0	16	26.6	13	24.6	3	40.3								
Breast, 174-175	11	11.7	7	10.1	4	16.5	6	10.0	6	11.4	1	13.4								
Genitourinary Organs, 179-189	33	35.2	22	31.7	11	45.4	4	6.6	3	5.7	1	13.4								
Leukemia, 204-208	7	7.5	7	10.1	0	0.0	2	3.3	2	3.8	0	0.0								
All Other Sites, 166-173, 176-178, 190-203	43	45.9	27	38.9	16	66.0	16	26.6	14	26.5	2	26.8								
Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	7	7.5	5	7.2	2	8.2	2	3.3	2	3.8	0	0.0								
Diabetes Mellitus, 250	13	13.9	8	11.5	5	20.6	14	23.3	11	20.9	3	40.3								
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	3	5.0	0	0.0	0	0.0								
Anemias, 280-285	0	0.0	0	0.0	0	0.0	0	0.0	3	5.7	0	0.0								
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0								
Alzheimer's Disease, 3310	4	4.3	4	5.8	0	0.0	1	1.7	1	1.9	0	0.0								
Major Cardiovascular Diseases, 390-448	274	292.3	178	256.2	96	395.9	344	571.5	316	599.1	28	375.8								
Diseases of Heart, 390-398, 402, 404-429	204	217.7	136	195.8	68	280.4	318	528.3	293	555.5	25	335.6								
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	3	3.2	2	2.9	1	4.1	2	3.3	2	3.8	0	0.0								
Hypertension with Heart and Renal Disease, 402, 404	123	131.2	81	116.6	42	173.2	82	136.2	79	149.8	3	40.3								
Ishemic Heart Disease, 410-414	78	83.2	53	76.3	25	103.1	234	388.7	212	401.9	22	295.3								
Other Diseases of Heart, 405, 415-429	2	2.1	1	1.4	1	4.1	18	29.9	15	28.4	0	0.0								
Hypertension with or without Renal Disease, 401, 403	57	60.8	36	51.8	21	86.6	17	27.7	15	28.4	3	40.3								
Cerebrovascular Disease, 430-438	11	11.7	5	7.2	6	24.7	7	11.6	7	13.3	0	0.0								
Diseases of the Arteries, 440-448	10	10.7	4	5.8	6	24.7	4	6.6	4	7.6	0	0.0								
Other Diseases of the Arteries, 441-448	1	1.1	1	1.4	0	0.0	3	5.0	3	5.7	0	0.0								
Acute Bronchitis and Bronchiolitis, 466	24	25.6	19	27.3	5	20.6	9	15.0	8	15.2	1	13.4								
Pneumonia and Influenza, 480-487	18	19.2	17	24.5	1	4.1	14	23.3	13	24.6	1	13.4								
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	1	1.1	1	1.4	0	0.0	4	6.6	3	5.7	1	13.4								
Bronchitis, Emphysema and Asthma, 490-493	17	18.1	16	23.0	1	4.1	10	16.6	10	19.0	0	0.0								
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	0	0.0	0	0.0	0	0.0	1	1.7	1	1.9	0	0.0								
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	1	1.7	1	1.9	0	0.0								
Appendicitis, 540-543	2	2.1	2	2.9	0	0.0	1	1.7	1	1.9	0	0.0								
Hernia, 550-553, 560	6	6.4	6	8.6	0	0.0	3	5.0	3	5.7	0	0.0								
Chronic Liver Disease and Cirrhosis, 571	1	1.1	1	1.4	0	0.0	2	3.3	2	3.8	0	0.0								
Cholelithiasis and Other Disorders of Gallbladder, 574-575	9	9.6	5	7.2	4	16.5	6	10.0	6	11.4	0	0.0								
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	1	1.1	1	1.4	0	0.0	0	0.0	0	0.0	0	0.0								
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0								
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0								
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	5	5.3	5	7.2	0	0.0	2	3.3	2	3.8	0	0.0								
Genital Anomalies, 740-759	3	3.2	3	4.3	0	0.0	2	3.3	1	1.9	1	13.4								
Certain Conditions Originating in the Perinatal Period, 760-779	17	18.1	12	17.3	5	20.6	2	3.3	2	3.8	0	0.0								
Symptoms and Ill-Defined Conditions, 780-799	36	38.4	22	31.7	14	57.7	32	53.2	28	53.1	4	53.7								
Accidents, E800-E949	15	16.0	8	11.5	7	28.9	19	31.6	17	32.2	2	26.8								
Motor Vehicle Accidents, E810-E825	21	22.4	14	20.2	7	28.9	13	21.6	11	20.9	0	0.0								
All Other Accidents, E800-E809, E826-E949	14	14.9	12	17.3	2	8.2	11	18.3	11	20.9	2	26.8								
Suicide, E950-E959	7	7.5	1	1.4	6	24.7	2	3.3	3	3.8	0	0.0								
Homicide and Legal Intervention, E960-E978	7	7.5	1	1.4	6	24.7	2	3.3	3	3.8	0	0.0								
All Other Diseases, Residual	60	64.0	40	57.6	20	82.5	41	68.1	37	70.2	4	53.7								

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	LOWNDES COUNTY						MACON COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	133	10.8	43	13.8	90	9.8	266	11.3	55	17.6	211	10.4
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	1	8.1	0	0.0	1	10.9	1	4.3	0	0.0	1	4.9
Human Immunodeficiency Virus Infection, 042-044	1	8.1	0	0.0	1	10.9	1	4.3	0	0.0	1	4.9
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	1	4.3	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	19	154.3	9	288.6	10	108.8	61	260.2	10	320.0	51	251.0
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	1	4.3	1	32.0	0	0.0
Digestive Organs and Peritoneum, 150-159	3	24.4	2	64.1	1	10.9	19	81.0	2	64.0	17	83.7
Respiratory and Intrathoracic Organs, 160-165	4	32.5	3	96.2	1	10.9	11	46.9	1	32.0	10	49.2
Breast, 174-175	0	0.0	0	0.0	0	0.0	2	8.5	0	0.0	2	9.8
Genitourinary Organs, 179-189	1	8.1	1	32.1	0	0.0	15	64.0	4	128.0	11	54.1
Leukemia, 204-208	0	0.0	0	0.0	0	0.0	3	12.8	0	0.0	3	14.8
All Other Sites, 166-173, 176-178, 190-203	11	89.4	3	96.2	8	87.0	10	42.7	2	64.0	8	39.4
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	0	0.0	0	0.0	0	0.0	3	12.8	1	32.0	2	9.8
Diabetes Mellitus, 250	8	65.0	1	32.1	7	76.2	7	29.9	0	0.0	7	34.5
Nutritional Deficiencies, 260-269	2	16.2	1	32.1	1	10.9	2	8.5	1	32.0	1	4.9
Anemias, 280-285	0	0.0	0	0.0	0	0.0	2	8.5	0	0.0	2	9.8
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	2	8.5	0	0.0	0	0.0
Alzheimer's Disease, 3310	0	0.0	0	0.0	0	0.0	2	8.5	1	32.0	1	4.9
Major Cardiovascular Diseases, 390-448	67	544.3	20	641.4	47	511.3	111	473.5	25	800.0	86	423.3
Diseases of Heart, 390-398, 402, 404-429	55	446.8	16	513.1	39	424.3	90	383.9	19	608.0	71	349.4
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	2	16.2	0	0.0	2	21.8	3	12.8	1	32.0	2	9.8
Hypertension with Heart and Renal Disease, 402, 404	9	73.1	3	96.2	6	65.3	65	277.3	15	480.0	50	246.1
Ishemic Heart Disease, 410-414	2	16.2	0	0.0	2	21.8	3	12.8	3	96.0	19	93.5
Other Diseases of Heart, 405, 415-429	44	357.4	13	416.9	31	337.2	22	93.8	0	0.0	0	0.0
Hypertension with or without Renal Disease, 401, 403	0	0.0	0	0.0	0	0.0	19	81.0	5	160.0	14	68.9
Cerebrovascular Disease, 430-438	10	81.2	2	64.1	8	87.0	0	0.0	1	32.0	1	4.9
Diseases of the Arteries, 440-448	2	16.2	0	0.0	0	0.0	2	8.5	0	0.0	0	0.0
Atherosclerosis, 440	0	0.0	0	0.0	0	0.0	0	0.0	2	64.0	1	4.9
Other Diseases of the Arteries, 441-448	2	16.2	2	64.1	0	0.0	0	0.0	1	32.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	5	40.6	2	64.1	3	32.6	6	25.6	3	96.0	3	14.8
Pneumonia and Influenza, 480-487	3	24.4	1	32.1	2	21.8	4	17.1	0	0.0	4	19.7
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	3	24.4	1	32.1	2	21.8	4	17.1	0	0.0	4	19.7
Bronchitis, Emphysema and Asthma, 490-493	1	8.1	0	0.0	1	10.9	1	4.3	0	0.0	3	14.8
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	2	16.2	1	32.1	1	10.9	3	12.8	0	0.0	1	4.9
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	1	4.3	0	0.0	1	4.9
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	1	8.1	1	32.1	0	0.0	0	0.0	0	0.0	1	4.9
Cholelithiasis and Other Disorders of Gallbladder, 574-575	1	8.1	0	0.0	1	10.9	1	4.3	0	0.0	1	4.9
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	1	8.1	0	0.0	1	10.9	10	42.7	1	32.0	9	44.3
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	2	16.2	0	0.0	2	21.8	1	4.3	0	0.0	1	4.9
Congenital Anomalies, 740-759	2	16.2	0	0.0	2	21.8	1	4.3	0	0.0	1	4.9
Certain Conditions Originating in the Perinatal Period, 760-779	2	16.2	0	0.0	2	21.8	7	29.9	2	64.0	5	24.6
Symptoms and Ill-Defined Conditions, 780-799	9	73.1	0	0.0	4	43.5	18	76.8	6	192.0	12	59.1
Accidents, E800-E949	5	40.6	2	64.1	3	32.6	12	51.2	4	128.0	8	39.4
Motor Vehicle Accidents, E810-E825	4	32.5	3	96.2	1	10.9	6	25.6	2	64.0	4	19.7
All Other Accidents, E800-E809, E826-E949	1	8.1	1	32.1	0	0.0	4	17.1	1	32.0	4	14.8
Suicide, E950-E959	0	0.0	0	0.0	0	0.0	2	8.5	0	0.0	3	14.8
Homicide and Legal Intervention, E960-E978	10	81.2	2	64.1	8	87.0	20	85.3	4	128.0	2	9.8
All Other Diseases, Residual												

¹ Total Death Rate is per 1,000 population, Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49--continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	MADISON COUNTY				MARENGO COUNTY							
	TOTAL		BLACK AND OTHER		TOTAL		BLACK AND OTHER					
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE				
TOTAL ALL CAUSES	2,057	7.5	1,664	7.9	403	6.3	249	11.4	109	9.9	140	13.0
Tuberculosis, All Forms, 010-018	2	0.7	1	0.5	1	1.6	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	21	7.7	18	8.6	3	4.7	5	22.9	1	9.0	4	37.0
Human Immunodeficiency Virus Infection, 042-044	7	2.6	4	1.9	3	4.7	1	4.6	0	0.0	1	9.3
Viral Hepatitis, 070	2	0.7	1	0.5	1	1.6	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	484	176.3	386	183.5	98	152.9	37	169.3	19	171.9	18	166.7
Lip, Oral Cavity and Pharynx, 140-149	9	3.3	6	2.9	3	4.7	0	0.0	0	0.0	0	0.0
Digestive Organs and Peritoneum, 150-159	106	38.6	79	37.5	27	42.1	6	27.5	3	27.1	3	27.8
Respiratory and Intra-thoracic Organs, 160-165	142	51.7	121	57.5	21	32.8	10	45.8	6	54.3	4	37.0
Breast, 174-175	34	12.4	26	12.4	8	12.5	4	18.3	2	18.1	2	18.5
Genitourinary Organs, 179-189	85	31.0	61	29.0	24	37.4	4	18.3	2	18.1	2	18.5
Leukemia, 204-208	24	8.7	21	10.0	3	4.7	2	9.2	0	0.0	5	18.5
All Other Sites, 166-173, 176-178, 190-203	84	30.6	72	34.2	12	18.7	11	50.3	6	54.3	5	46.3
Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	16	5.8	14	6.7	2	3.1	1	4.6	1	9.0	0	0.0
Diabetes Mellitus, 250	80	29.1	61	29.0	19	29.6	15	68.6	2	18.1	13	120.4
Nutritional Deficiencies, 260-269	6	2.2	6	2.9	0	0.0	2	9.2	0	0.0	1	9.3
Anemias, 280-285	3	1.1	1	0.5	2	3.1	2	9.2	1	9.0	2	18.5
Meningitis, 320-322	2	0.7	2	1.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	36	13.1	35	16.6	1	1.6	1	4.6	1	9.0	0	0.0
Major Cardiovascular Diseases, 390-448	840	306.0	679	322.7	161	251.2	108	494.2	45	407.2	63	583.3
Diseases of Heart, 390-398, 402, 404-429	663	241.5	537	255.2	126	196.6	83	379.8	34	307.7	49	453.7
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	3	1.1	3	1.4	0	0.0	5	22.9	2	18.1	3	27.8
Hypertension with Heart and Renal Disease, 402, 404	12	4.4	6	2.9	6	9.4	5	22.9	2	18.1	3	27.8
Ischemic Heart Disease, 410-414	299	108.9	246	116.9	53	82.7	49	224.2	22	199.1	27	250.0
Other Diseases of Heart, 405, 415-429	349	127.1	282	134.0	67	104.5	29	132.7	10	90.5	19	175.9
Hypertension with or without Renal Disease, 401, 403	16	5.8	9	4.3	7	10.9	1	4.6	8	72.4	12	111.1
Cerebrovascular Disease, 430-438	134	48.8	111	52.8	23	35.9	20	91.5	8	72.4	12	111.1
Diseases of the Arteries, 440-448	27	9.8	22	10.5	5	7.8	4	18.3	3	27.1	1	9.3
Atherosclerosis, 440	2	0.7	2	1.0	0	0.0	1	4.6	1	9.0	0	0.0
Other Diseases of the Arteries, 441-448	25	9.1	20	9.5	5	7.8	3	13.7	2	18.1	1	9.3
Acute Bronchitis and Bronchiolitis, 466	1	0.4	1	0.5	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	56	20.4	46	21.9	10	15.6	10	45.8	8	72.4	2	18.5
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	74	27.0	67	31.8	7	10.9	17	77.8	12	108.6	5	46.3
Bronchitis, Emphysema and Asthma, 490-493	21	7.7	20	9.5	1	1.6	7	32.0	4	36.2	3	27.8
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	53	19.3	47	22.3	6	9.4	10	45.8	8	72.4	2	18.5
Ulcer of Stomach and Duodenum, 531-533	4	1.5	3	1.4	1	1.6	1	4.6	0	0.0	1	9.3
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of	3	1.1	3	1.4	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	30	10.9	21	10.0	9	14.0	0	0.0	0	0.0	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	4	1.5	4	1.4	1	1.6	0	4.6	0	0.0	1	9.3
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	30	10.9	26	12.4	4	6.2	4	18.3	1	9.0	3	27.8
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	2	9.2	0	0.0	2	18.5
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Con genital Anomalies, 740-759	9	3.3	6	2.9	3	4.7	1	4.6	0	0.0	1	9.3
Certain Conditions Originating in the Perinatal Period, 760-779	9	3.3	3	1.4	6	9.4	0	0.0	0	0.0	0	0.0
Symptoms and Ill-Defined Conditions, 780-799	19	6.9	17	8.1	2	3.1	2	9.2	5	45.2	2	27.8
Accidents, E800-E949	99	36.1	76	36.1	23	35.9	8	36.6	5	45.2	3	27.8
Motor Vehicle Accidents, E810-E825	43	15.7	38	18.1	5	7.8	7	32.0	5	45.2	2	18.5
All Other Accidents, E800-E809, E826-E949	56	20.4	38	18.1	18	28.1	1	4.6	0	0.0	1	9.3
Suicide, E950-E959	34	12.4	30	14.3	4	6.2	1	4.6	0	0.0	1	9.3
Homicide and Legal Intervention, E960-E978	16	5.8	8	3.8	8	12.5	4	18.3	0	0.0	4	37.0
All Other Diseases, Residual	180	65.6	146	69.4	34	53.0	26	119.0	13	117.6	13	120.4

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.

² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	MARION COUNTY						MARSHALL COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	362	12.3	347	12.3	15	12.0	898	12.1	886	12.2	12	7.4
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	3	10.2	3	10.6	0	0.0	4	5.4	4	5.5	0	0.0
Human Immunodeficiency Virus Infection, 042-044	1	3.4	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	72	244.8	69	244.9	3	241.0	200	268.4	199	273.1	1	61.4
Lip, Oral Cavity and Pharynx, 140-149	1	3.4	0	0.0	1	80.3	2	2.7	2	2.7	0	0.0
Digestive Organs and Peritoneum, 150-159	17	57.8	17	60.3	0	0.0	44	59.1	43	59.0	1	61.4
Respiratory and Intrathoracic Organs, 160-165	26	88.4	24	85.2	2	160.6	71	95.3	71	97.4	0	0.0
Breast, 174-175	8	27.2	8	28.4	0	0.0	13	17.4	13	17.8	0	0.0
Genitourinary Organs, 179-189	8	27.2	8	28.4	0	0.0	31	41.6	31	42.5	0	0.0
Leukemia, 204-208	3	10.2	3	10.6	0	0.0	6	8.1	6	8.2	0	0.0
All Other Sites, 166-173, 176-178, 190-203	9	30.6	9	31.9	0	0.0	33	44.3	33	45.3	0	0.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	3	10.2	3	10.6	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus, 250	9	30.6	8	28.4	1	80.3	19	25.5	19	26.1	0	0.0
Nutritional Deficiencies, 260-269	1	3.4	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0
Anemias, 280-285	1	3.4	0	0.0	1	80.3	1	1.3	1	1.4	0	0.0
Meningitis, 320-322	5	17.0	5	17.7	0	0.0	12	16.1	11	15.1	1	61.4
Alzheimer's Disease, 3310	158	537.1	152	539.6	6	481.9	358	480.5	357	489.8	1	61.4
Major Cardiovascular Diseases, 390-448	123	418.1	119	422.4	4	321.3	270	362.4	269	369.1	1	61.4
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	8	27.2	7	24.8	1	80.3	4	5.4	4	5.5	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	79	268.6	76	269.8	3	241.0	117	157.0	117	160.5	0	0.0
Ischemic Heart Disease, 410-414	35	119.0	35	124.2	0	0.0	148	198.6	147	201.7	1	61.4
Other Diseases of Heart, 405, 415-429	2	6.8	2	7.1	0	0.0	4	5.4	4	5.5	0	0.0
Hypertension with or without Renal Disease, 401, 403	31	105.4	29	102.9	2	160.6	68	91.3	68	93.3	0	0.0
Cerebrovascular Disease, 430-438	2	6.8	2	7.1	0	0.0	16	21.5	16	22.0	0	0.0
Diseases of the Arteries, 440-448	0	0.0	0	0.0	0	0.0	3	4.0	3	4.1	0	0.0
Atherosclerosis, 440	2	6.8	2	7.1	0	0.0	13	17.4	13	17.8	0	0.0
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	9	30.6	9	31.9	0	0.0	33	44.3	33	45.3	0	0.0
Pneumonia and Influenza, 480-487	17	57.8	17	60.3	0	0.0	42	56.4	41	56.3	1	61.4
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	1	3.4	1	3.5	0	0.0	9	12.1	9	12.3	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	16	54.4	16	56.8	0	0.0	33	44.3	32	43.9	1	61.4
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ulcer of Stomach and Duodenum, 531-533	3	10.2	3	10.6	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	1	3.4	1	3.5	0	0.0	1	1.3	1	1.4	0	0.0
Chronic Liver Disease and Cirrhosis, 571	4	13.6	4	14.2	0	0.0	15	20.1	14	19.2	1	61.4
Cholelithiasis and Other Disorders of Gallbladder, 574-575	2	6.8	2	7.1	0	0.0	3	4.0	3	4.1	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	7	23.8	7	24.8	0	0.0	18	24.2	18	24.7	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	1	1.3	1	1.4	0	0.0
Infections of the Kidney, 590	1	3.4	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	5	6.7	4	5.5	1	61.4
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	2	6.8	2	7.1	0	0.0	3	4.0	3	4.1	0	0.0
Congenital Anomalies, 740-759	1	3.4	1	3.5	0	0.0	3	4.0	3	4.1	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	1	3.4	1	3.5	0	0.0	19	25.5	17	23.3	2	122.8
Symptoms and Ill-Defined Conditions, 780-799	3	10.2	3	10.6	0	0.0	62	83.2	61	83.7	1	61.4
Accidents, 800-894	21	71.4	18	69.9	3	241.0	19	25.5	17	23.3	2	122.8
Motor Vehicle Accidents, E810-E825	12	40.8	11	39.0	1	80.3	31	41.6	31	42.5	0	0.0
All Other Accidents, E800-E809, E826-E949	9	30.6	7	24.8	2	160.6	18	24.2	18	24.7	1	61.4
Suicide, E950-E959	5	17.0	5	17.7	0	0.0	3	4.0	3	4.1	0	0.0
Homicide and Legal Intervention, E960-E978	2	6.8	2	7.1	0	0.0	1	1.3	1	1.4	0	0.0
All Other Diseases, Residual	31	105.4	30	106.5	1	80.3	81	108.7	78	107.0	3	184.2

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	MOBILE COUNTY										MONROE COUNTY				
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER				
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE			
TOTAL ALL CAUSES	3,902	10.1	2,618	10.1	1,284	10.0	247	9.9	142	9.2	105	11.0			
Tuberculosis, All Forms, 010-018	2	0.5	1	0.4	1	0.8	0	0.0	0	0.0	0	0.0			
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0			
Septicemia, 038	58	15.0	39	15.0	19	14.9	1	4.0	1	6.5	0	0.0			
Human Immunodeficiency Virus Infection, 042-044	29	7.5	8	3.1	21	16.4	2	8.0	0	0.0	2	20.9			
Viral Hepatitis, 070	9	2.3	8	3.1	1	0.8	1	4.0	1	6.5	0	0.0			
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0			
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	910	234.9	626	241.2	284	222.1	51	204.3	37	240.0	14	146.5			
Lip, Oral Cavity and Pharynx, 140-149	13	3.4	7	2.7	6	4.7	2	8.0	2	13.0	0	0.0			
Digestive Organs and Peritoneum, 150-159	202	52.1	126	48.5	76	59.4	13	52.1	11	71.4	2	20.9			
Respiratory and Intra-thoracic Organs, 160-165	311	80.3	237	91.3	74	57.9	17	68.1	12	77.9	5	52.3			
Breast, 174-175	60	15.5	38	14.6	22	17.2	2	8.0	1	6.5	1	10.5			
Genitourinary Organs, 179-189	130	33.6	73	28.1	57	44.6	6	24.0	4	26.0	2	20.9			
Leukemia, 204-208	30	7.7	23	8.9	7	5.5	1	4.0	0	0.0	1	10.5			
All Other Sites, 166-173, 176-178, 190-203	164	42.3	122	47.0	42	32.8	10	40.1	7	45.4	3	31.4			
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	11	2.8	6	2.3	5	3.9	2	8.0	2	13.0	0	0.0			
Diabetes Mellitus, 250	103	26.6	58	22.3	45	35.2	16	64.1	10	64.9	6	62.8			
Nutritional Deficiencies, 260-269	3	0.8	3	1.2	0	0.0	0	0.0	0	0.0	0	0.0			
Anemias, 280-285	7	1.8	4	1.5	3	2.3	0	0.0	0	0.0	0	0.0			
Meningitis, 320-322	1	0.3	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0			
Alzheimer's Disease, 3310	35	9.0	24	9.2	11	8.6	1	4.0	1	6.5	0	0.0			
Major Cardiovascular Diseases, 390-448	1,535	396.2	1,028	399.8	507	396.5	86	344.4	40	259.5	46	481.5			
Diseases of Heart, 390-398, 402, 404-429	1,169	301.7	804	309.8	365	285.4	66	264.3	33	214.1	33	345.4			
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	72	18.6	30	11.6	42	32.8	4	16.0	1	6.5	4	41.9			
Hypertension with Heart and Renal Disease, 402, 404	625	161.3	464	178.8	161	125.9	32	128.2	16	103.8	13	167.5			
Ischemic Heart Disease, 410-414	469	121.1	310	119.4	159	124.3	29	116.1	16	103.8	16	136.1			
Other Diseases of Heart, 405, 415-429	22	5.7	12	4.6	10	7.8	2	8.0	0	0.0	2	20.9			
Hypertension with or without Renal Disease, 401, 403	234	60.4	144	55.5	90	70.4	17	68.1	6	38.9	11	115.1			
Cerebrovascular Disease, 430-438	110	28.4	68	26.2	42	32.8	1	4.0	1	6.5	0	0.0			
Diseases of the Arteries, 440-448	33	8.5	20	7.7	13	10.2	1	4.0	1	6.5	0	0.0			
Atherosclerosis, 440	105	27.1	73	28.1	32	25.0	14	56.1	10	64.9	4	41.9			
Acute Bronchitis and Bronchiolitis, 466	164	42.3	135	52.0	29	22.7	12	48.1	9	58.4	3	31.4			
Pneumonia and Influenza, 480-487	30	7.7	22	8.5	8	6.3	3	12.0	2	13.0	1	10.5			
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	134	34.6	113	43.5	21	16.4	9	36.0	7	45.4	2	20.9			
Bronchitis, Emphysema and Asthma, 490-493	7	1.8	3	1.2	4	3.1	0	0.0	0	0.0	0	0.0			
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	3	0.8	2	0.8	1	0.8	0	0.0	0	0.0	0	0.0			
Appendicitis, 540-543	11	2.8	10	3.9	1	0.8	0	0.0	0	0.0	0	0.0			
Hernia, 550-553, 560	28	7.2	17	6.5	11	8.6	5	20.0	2	13.0	3	31.4			
Chronic Liver Disease and Cirrhosis, 571	50	12.9	30	11.6	20	15.6	0	0.0	0	0.0	0	0.0			
Cholelithiasis and Other Disorders of Gallbladder, 574-575	2	0.5	1	0.4	1	0.8	0	0.0	0	0.0	0	0.0			
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	1	0.3	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0			
Infections of the Kidney, 590	1	0.3	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0			
Hypertrophia of Prostate, 600	1	0.3	1	0.4	0	0.0	0	0.0	0	0.0	0	0.0			
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	24	6.2	15	5.8	9	7.0	0	0.0	0	0.0	0	0.0			
Congenital Anomalies, 740-759	41	10.6	12	4.6	29	22.7	3	12.0	1	6.5	2	20.9			
Certain Conditions Originating in the Perinatal Period, 760-779	64	16.5	44	17.0	20	15.6	16	64.1	12	77.9	4	41.9			
Symptoms and ill-Defined Conditions, 780-799	177	45.7	134	51.6	43	33.6	16	64.1	6	38.9	10	104.7			
Accidents, 800-894	72	18.6	56	21.6	16	12.5	9	36.0	3	19.5	6	62.8			
Motor Vehicle Accidents, E810-E825	105	27.1	78	30.1	27	21.1	7	36.0	3	19.5	6	62.8			
All Other Accidents, E800-E809, E826-E949	62	16.0	40	15.4	9	7.0	4	8.0	2	13.0	0	0.0			
Suicide, E950-E959	49	12.6	23	8.9	9	30.5	4	16.0	1	6.5	3	31.4			
Homicide and Legal Intervention, E960-E978	62	16.0	23	8.9	9	30.5	4	16.0	1	6.5	3	31.4			
All Other Diseases, Residual	408	105.3	272	104.8	136	106.3	14	56.1	7	45.4	7	73.3			

¹ Total Death Rates is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	MONTGOMERY COUNTY						MORGAN COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	2,052	9.4	1,197	10.0	855	8.6	1,014	9.4	894	9.4	120	9.5
Tuberculosis, All Forms, 010-018	3	1.4	1	0.8	2	2.0	2	1.9	2	2.1	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	25	11.4	14	11.7	11	11.1	14	13.0	11	11.5	3	23.8
Human Immunodeficiency Virus Infection, 042-044	19	8.7	2	1.7	17	17.1	1	0.9	1	1.0	0	0.0
Viral Hepatitis, 070	4	1.8	2	1.7	2	2.0	1	0.9	1	1.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	477	217.4	287	238.9	190	191.3	216	200.0	184	192.9	32	253.6
Lip, Oral Cavity and Pharynx, 140-149	10	4.6	7	5.8	3	3.0	2	1.9	2	2.1	0	0.0
Digestive Organs and Peritoneum, 150-159	102	46.5	49	40.8	53	53.4	46	42.6	36	37.7	10	79.2
Respiratory and Intrathoracic Organs, 160-165	127	57.9	88	73.3	39	39.3	73	67.6	63	66.0	10	79.2
Breast, 174-175	38	17.3	29	24.1	9	9.1	17	15.7	15	15.7	2	15.8
Genitourinary Organs, 179-189	86	39.2	39	32.5	47	47.3	32	29.6	27	28.3	5	39.6
Leukemia, 204-208	29	13.2	21	17.5	8	8.1	5	4.6	5	5.2	0	0.0
All Other Sites, 166-173, 176-178, 190-203	85	38.7	54	45.0	31	31.2	41	38.0	36	37.7	5	39.6
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	8	3.6	4	3.3	4	4.0	2	1.9	2	2.1	0	0.0
Diabetes Mellitus, 250	102	46.5	36	30.7	66	66.4	31	28.7	23	24.1	8	63.4
Nutritional Deficiencies, 260-269	7	3.2	2	1.7	5	5.0	3	2.8	3	3.1	0	0.0
Anemias, 280-285	4	1.8	0	0.0	4	4.0	1	0.9	1	1.0	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	10	4.6	10	8.3	0	0.0	4	3.7	4	4.2	0	0.0
Major Cardiovascular Diseases, 390-448	760	346.3	462	384.6	298	300.0	408	377.7	362	379.5	46	364.5
Diseases of Heart, 390-398, 402, 404-429	574	261.6	359	298.9	215	216.5	330	305.5	293	307.1	37	293.2
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	2	0.9	2	1.7	0	0.0	1	0.9	1	1.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	53	24.2	20	16.6	33	33.2	6	5.6	4	4.2	12	15.8
Hypertension with Heart and Renal Disease, 402, 404	286	130.3	189	157.3	97	97.7	124	114.8	112	117.4	12	95.1
Ischemic Heart Disease, 410-414	233	106.2	148	123.2	85	85.6	199	184.2	176	184.5	23	182.3
Other Diseases of Heart, 405, 415-429	28	12.8	12	10.0	16	16.1	6	3.7	3	3.1	1	7.9
Hypertension with or without Renal Disease, 401, 403	131	59.7	73	60.8	58	58.4	65	60.2	57	59.7	8	63.4
Cerebrovascular Disease, 430-438	27	12.3	18	15.0	9	9.1	9	8.3	9	9.4	0	0.0
Diseases of the Arteries, 440-448	2	0.9	1	0.8	1	1.0	0	0.0	0	0.0	0	0.0
Atherosclerosis, 440	25	11.4	17	14.2	8	8.1	9	8.3	9	9.4	0	0.0
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	2	0.9	2	1.7	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	67	30.5	50	41.6	17	17.1	38	35.2	35	36.7	3	23.8
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	104	47.4	77	64.1	27	27.2	48	44.4	46	48.2	2	15.8
Bronchitis, Emphysema and Asthma, 490-493	19	8.7	13	10.8	6	6.0	14	13.0	13	13.6	1	7.9
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	85	38.7	64	53.3	21	21.1	34	31.5	33	34.6	1	0.0
Ulcer of Stomach and Duodenum, 531-533	6	2.7	6	5.0	0	0.0	2	1.9	2	2.1	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	10	4.6	7	5.8	3	3.0	4	3.7	3	3.1	1	7.9
Chronic Liver Disease and Cirrhosis, 571	19	8.7	10	8.3	9	9.1	5	4.6	5	5.2	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	2	0.9	1	0.8	1	1.0	1	0.9	1	1.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	25	11.4	9	7.5	16	16.1	27	25.0	27	28.3	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	16	7.3	9	7.5	7	7.0	7	6.5	7	7.3	0	0.0
Congenital Anomalies, 740-759	32	14.6	5	4.2	27	27.2	11	10.2	8	8.4	3	23.8
Certain Conditions Originating in the Perinatal Period, 760-779	23	10.5	16	13.3	7	7.0	20	18.5	18	18.9	6	15.8
Symptoms and Ill-Defined Conditions, 780-799	77	35.1	44	36.6	33	33.2	53	49.1	47	49.3	2	47.5
Accidents, E800-E949	37	16.9	18	15.0	19	19.1	34	31.5	31	32.5	3	23.8
Motor Vehicle Accidents, E810-E825	40	18.2	26	21.6	14	14.1	19	17.6	16	16.8	3	23.8
All Other Accidents, E800-E809, E826-E949	14	6.4	11	9.2	3	3.0	16	14.8	16	16.8	0	0.0
Suicide, E950-E959	36	16.4	6	5.0	30	30.2	11	10.2	7	7.3	4	31.7
Homicide and Legal Intervention, E960-E978	3	1.4	1	0.8	2	2.0	2	1.9	2	2.1	0	0.0
All Other Diseases, Residual	200	91.1	124	103.2	76	76.5	87	80.5	77	80.7	10	79.2

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49--continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH(ICD CODE(S))	PERRY COUNTY				PICKENS COUNTY							
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	130	11.6	39	11.0	91	11.9	245	12.1	159	13.6	86	10.1
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	2	17.9	1	28.3	1	13.1	7	34.7	5	42.8	2	23.6
Human Immunodeficiency Virus Infection, 042-044	0	0.0	0	0.0	0	0.0	0	0.0	1	8.6	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	24	214.7	9	254.5	15	196.3	64	317.3	43	368.1	21	247.3
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Digestive Organs and Peritoneum, 150-159	4	35.8	0	0.0	4	52.3	11	54.5	7	59.9	4	47.1
Respiratory and Intrathoracic Organs, 160-165	2	17.9	0	0.0	2	26.2	15	74.4	10	85.6	5	58.9
Breast, 174-175	2	17.9	0	0.0	2	26.2	1	5.0	0	0.0	1	11.8
Genitourinary Organs, 179-189	5	44.7	2	56.6	3	39.3	5	24.8	5	42.8	0	0.0
Leukemia, 204-208	1	8.9	0	0.0	1	13.1	5	24.8	4	34.2	1	11.8
All Other Sites, 166-173, 176-178, 190-203	10	89.5	5	141.4	5	65.4	27	133.8	17	145.5	10	117.8
Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus, 250	6	53.7	0	0.0	6	78.5	3	14.9	1	8.6	2	23.6
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Anemias, 280-285	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	1	8.9	0	0.0	1	13.1	3	14.9	3	25.7	0	0.0
Major Cardiovascular Diseases, 390-448	54	483.1	16	452.5	38	497.3	101	500.7	65	556.4	36	424.0
Diseases of Heart, 390-398, 402, 404-429	40	357.9	13	367.6	27	353.4	75	371.8	46	393.8	29	341.6
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	1	8.9	1	28.3	0	0.0	2	9.9	2	17.1	0	0.0
Hypertensive Heart Disease, 410-414	26	232.6	8	226.2	18	235.6	23	114.0	12	102.7	11	129.6
Other Diseases of Heart, 405, 415-429	13	116.3	4	113.1	9	117.8	50	247.9	32	273.9	18	212.0
Hypertension with or without Renal Disease, 401, 403	2	17.9	0	0.0	2	26.2	2	9.9	1	8.6	1	11.8
Cerebrovascular Disease, 430-438	9	80.5	1	28.3	8	104.7	20	99.1	16	137.0	4	47.1
Diseases of the Arteries, 440-448	3	26.8	2	56.6	1	13.1	4	19.8	2	17.1	2	23.6
Atherosclerosis, 440	2	17.9	1	28.3	1	13.1	1	5.0	1	8.6	0	0.0
Other Diseases of the Arteries, 441-448	1	8.9	1	28.3	0	0.0	3	14.9	1	8.6	2	23.6
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	3	26.8	2	56.6	1	13.1	8	39.7	5	42.8	3	35.3
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	7	62.6	4	113.1	3	39.3	13	64.4	10	85.6	3	35.3
Bronchitis, Emphysema and Asthma, 490-493	2	17.9	0	0.0	2	26.2	13	64.4	0	0.0	1	11.8
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	5	44.7	4	113.1	1	13.1	12	59.5	10	85.6	2	23.6
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	1	8.9	0	0.0	1	13.1	1	5.0	0	0.0	1	11.8
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	4	35.8	0	0.0	4	52.3	2	9.9	2	17.1	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophy of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	0	0.0	0	0.0	0	0.0	1	5.0	0	0.0	1	11.8
Certain Conditions Originating in the Perinatal Period, 760-779	5	44.7	1	28.3	4	52.3	4	19.8	2	17.1	2	23.6
Symptoms and Ill-Defined Conditions, 780-799	8	71.6	1	28.3	7	91.6	11	54.5	7	59.9	4	47.1
Accidents, E800-E949	4	35.8	0	0.0	4	52.3	8	39.7	5	42.8	3	35.3
Motor Vehicle Accidents, E810-E825	4	35.8	0	0.0	4	52.3	3	14.9	2	17.1	3	35.3
All Other Accidents, E800-E809, E826-E949	2	17.9	1	28.3	1	13.1	1	5.0	1	8.6	0	0.0
Suicide, E950-E959	0	0.0	0	0.0	0	0.0	4	19.8	1	8.6	3	35.3
Homicide and Legal Intervention, E960-E978	0	0.0	0	0.0	0	0.0	1	5.0	1	8.6	0	0.0
All Other Diseases, Residual	13	116.3	4	113.1	9	117.8	21	104.1	13	111.3	8	94.2

¹Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
²The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49--continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	PIKE COUNTY						RANDOLPH COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	298	11.0	188	10.8	110	11.5	261	13.2	206	13.6	55	11.9
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	3	11.1	1	5.7	2	21.0	4	20.3	4	26.5	0	0.0
Human Immunodeficiency Virus Infection, 042-044	3	11.1	0	0.0	3	31.5	1	5.1	1	6.6	0	0.0
Viral Hepatitis, 070	1	3.7	1	5.7	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	61	226.0	40	229.2	21	220.2	48	243.1	37	244.8	11	237.9
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	1	5.1	1	6.6	0	0.0
Digestive Organs and Peritoneum, 150-159	7	25.9	5	28.7	2	21.0	16	81.0	11	72.8	5	108.1
Respiratory and Intra-thoracic Organs, 160-165	27	100.1	21	120.4	6	62.9	16	81.0	13	86.0	3	64.9
Breast, 174-175	4	14.8	1	5.7	3	31.5	7	0.0	0	0.0	3	64.9
Genitourinary Organs, 179-189	9	33.4	3	17.2	6	62.9	7	35.5	4	26.5	3	64.9
Leukemia, 204-208	2	7.4	1	5.7	1	10.5	1	5.1	1	6.6	0	0.0
All Other Sites, 166-173, 176-178, 190-203	12	44.5	9	51.6	3	31.5	7	35.5	7	45.3	0	0.0
Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	2	7.4	1	5.7	1	10.5	1	5.1	0	0.0	1	21.6
Diabetes Mellitus, 250	7	25.9	4	22.9	3	31.5	8	40.5	5	33.1	3	64.9
Nutritional Deficiencies, 260-269	1	3.7	0	0.0	1	10.5	2	10.1	1	6.6	1	21.6
Anemias, 280-285	1	3.7	0	0.0	1	10.5	1	5.1	1	6.6	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	3	11.1	2	11.5	1	10.5	4	20.3	4	26.5	0	0.0
Major Cardiovascular Diseases, 390-448	135	500.3	89	510.1	46	482.3	114	577.5	94	621.8	20	432.5
Diseases of Heart, 390-398, 402, 404-429	109	403.9	72	412.6	37	388.0	87	440.7	71	469.7	16	346.0
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	2	7.4	2	11.5	0	0.0	2	0.0	0	0.0	1	21.6
Hypertension with Heart and Renal Disease, 402, 404	5	18.5	3	17.2	2	21.0	8	40.5	4	27.1	1	21.6
Isochemic Heart Disease, 410-414	45	166.8	36	206.3	9	94.4	48	243.1	41	271.2	7	151.4
Other Diseases of Heart, 405, 415-429	57	211.2	31	177.7	26	272.6	37	187.4	29	191.8	8	173.0
Hypertension with or without Renal Disease, 401, 403	1	3.7	1	5.7	0	0.0	2	10.1	1	6.6	1	21.6
Carbovascular Disease, 430-438	20	74.1	13	74.5	7	73.4	21	106.4	18	119.1	3	64.9
Diseases of the Arteries, 440-448	5	18.5	3	17.2	2	21.0	4	20.3	4	26.5	0	0.0
Atherosclerosis, 440	2	7.4	0	0.0	2	21.0	1	5.1	1	6.6	0	0.0
Other Diseases of the Arteries, 441-448	3	11.1	3	17.2	0	0.0	3	15.2	3	19.8	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	4	14.8	2	11.5	2	21.0	10	50.7	8	52.9	2	43.3
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	18	66.7	17	97.4	1	10.5	10	50.7	8	52.9	2	43.3
Bronchitis, Emphysema and Asthma, 490-493	3	11.1	3	17.2	0	0.0	3	15.2	2	13.2	1	21.6
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	15	55.6	14	80.2	1	10.5	7	35.5	6	39.7	1	21.6
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	1	5.1	1	6.6	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	0	0.0	0	0.0	0	0.0	1	5.1	0	0.0	1	21.6
Chronic Liver Disease and Cirrhosis, 571	5	18.5	4	22.9	1	10.5	3	15.2	2	13.2	1	21.6
Cholelithiasis and Other Disorders of Gallbladder, 574-575	2	7.4	1	5.7	1	10.5	3	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	5	18.5	2	11.5	3	31.5	4	20.3	3	19.8	1	21.6
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	1	3.7	0	0.0	1	10.5	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	4	14.8	0	0.0	4	41.9	1	5.1	1	6.6	1	21.6
Symptoms and Ill-Defined Conditions, 780-799	2	7.4	0	0.0	2	21.0	1	5.1	0	0.0	1	21.6
Accidents, 800-899	15	55.6	11	63.0	4	41.9	21	106.4	16	105.8	5	108.1
Motor Vehicle Accidents, E810-E825	8	29.6	5	28.7	3	31.5	12	60.8	8	52.9	4	86.5
All Other Accidents, E800-E809, E826-E949	7	25.9	6	34.4	1	10.5	9	45.6	8	52.9	1	21.6
Suicide, E950-E959	1	3.7	0	0.0	1	10.5	4	20.3	3	19.8	1	21.6
Homicide and Legal Intervention, E960-E978	0	0.0	0	0.0	0	0.0	3	15.2	3	19.8	0	0.0
All Other Diseases, Residual	24	88.9	13	74.5	11	115.3	19	96.2	14	92.6	5	108.1

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

**TABLE 49—continued
SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
ALABAMA, 1998**

CAUSE OF DEATH/ICD CODE(S)	RUSSELL COUNTY						ST. CLAIR COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	543	11.8	350	12.4	193	10.9	557	9.9	516	10.0	41	8.2
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	2	3.5	2	3.9	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	4	7.1	4	7.8	0	0.0
Septicemia, 038	4	8.7	1	3.5	3	16.9	1	1.8	0	0.0	1	19.9
Human Immunodeficiency Virus Infection, 042-044	0	0.0	0	0.0	0	0.0	1	1.8	1	1.9	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	1	1.8	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	128	278.7	82	290.8	46	259.5	128	226.6	118	229.3	10	199.0
Lip, Oral Cavity and Pharynx, 140-149	6	13.1	3	10.6	3	16.9	1	1.8	1	1.9	0	0.0
Digestive Organs and Peritoneum, 150-159	26	56.6	15	53.2	11	62.1	22	39.0	19	36.9	3	59.7
Respiratory and Intra-thoracic Organs, 160-165	43	93.6	30	106.4	13	73.4	49	86.8	46	89.4	3	59.7
Breast, 174-175	12	26.1	9	31.9	3	16.9	6	10.6	4	7.8	2	39.8
Genitourinary Organs, 179-189	21	45.7	10	35.5	11	62.1	20	35.4	18	35.0	2	39.8
Leukemia, 204-208	1	2.2	1	3.5	0	0.0	9	15.9	9	17.5	0	0.0
All Other Sites, 166-173, 176-178, 190-203	19	41.4	14	49.6	5	28.2	21	37.2	21	40.8	0	0.0
Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	0	0.0	0	0.0	0	0.0	1	1.8	1	1.9	0	0.0
Diabetes Mellitus, 250	10	21.8	5	17.7	5	28.2	12	21.2	9	17.5	3	59.7
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	3	5.3	2	3.9	1	19.9
Anemias, 280-285	2	4.4	0	0.0	2	11.3	0	0.0	0	0.0	0	0.0
Menigitis, 320-322	0	0.0	0	0.0	0	0.0	4	7.1	4	7.8	0	0.0
Alzheimer's Disease	0	0.0	0	0.0	0	0.0	4	7.1	4	7.8	0	0.0
Major Cardiovascular Diseases, 390-448	136	286.1	92	326.2	44	248.3	225	398.4	211	410.1	14	278.6
Diseases of Heart, 390-398, 402, 404-429	95	206.9	71	251.8	24	135.4	183	324.0	171	332.3	12	238.8
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	3	5.3	1	1.9	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	1	2.2	0	0.0	1	5.6	1	1.8	2	3.9	1	19.9
Iscemic Heart Disease, 410-414	50	108.9	39	138.3	11	62.1	104	184.1	98	190.5	6	119.4
Other Diseases of Heart, 405, 415-429	44	95.8	32	113.5	12	67.7	75	132.8	70	136.0	5	99.5
Hypertension with or without Renal Disease, 401, 403	3	6.5	1	3.5	2	11.3	2	3.5	2	3.9	0	0.0
Cardiovascular Disease, 430-438	31	67.5	17	60.3	14	79.0	36	63.7	34	66.1	2	39.8
Diseases of the Arteries, 440-448	7	15.2	3	10.6	4	22.6	4	7.1	4	7.8	0	0.0
Atherosclerosis, 440	1	2.2	0	0.0	1	5.6	4	7.1	4	7.8	0	0.0
Other Diseases of the Arteries, 441-448	6	13.1	3	10.6	3	16.9	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	4	7.1	4	7.8	0	0.0
Pneumonia and Influenza, 480-487	17	37.0	13	46.1	4	22.6	15	26.6	13	25.3	2	39.8
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	29	63.1	24	85.1	5	28.2	27	47.8	27	52.5	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	6	13.1	4	14.2	2	11.3	3	5.3	3	5.8	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	23	50.1	20	70.9	3	16.9	24	42.5	24	46.6	0	0.0
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	1	2.2	1	3.5	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	1	2.2	1	3.5	0	0.0	1	1.8	1	1.9	0	0.0
Chronic Liver Disease and Cirrhosis, 571	4	8.7	3	10.6	1	5.6	7	12.4	7	13.6	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	7	15.2	4	14.2	3	16.9	9	15.9	9	17.5	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congential Anomalies, 740-759	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	1	2.2	0	0.0	1	5.6	0	0.0	0	0.0	0	0.0
Symptoms and Ill-Defined Conditions, 780-799	2	4.4	0	0.0	2	11.3	2	3.5	2	3.9	0	0.0
Accidents, E800-E949	114	248.2	68	241.1	46	259.5	16	28.3	15	29.2	1	19.9
Motor Vehicle Accidents, E810-E825	30	65.3	19	67.4	11	62.1	29	51.3	28	54.4	1	19.9
All Other Accidents, E800-E809, E826-E949	19	41.4	12	42.6	7	39.5	12	21.2	11	21.4	0	0.0
Suicide, E950-E959	11	24.0	7	24.8	4	22.6	17	30.1	17	33.0	1	19.9
Homicide and Legal Intervention, E960-E978	8	17.4	7	17.8	1	5.6	13	23.0	12	23.3	1	19.9
All Other Diseases, Residual	7	15.2	3	10.6	4	22.6	6	10.6	5	9.7	1	19.9
	42	91.5	27	95.7	15	84.6	51	90.3	45	87.5	6	119.4

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	SHELBY COUNTY						SUMTER COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	802	6.3	714	6.1	88	8.9	193	12.5	62	14.6	131	11.7
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	1	6.5	0	0.0	24	214.8
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	8.9
Septicemia, 038	7	5.5	7	5.9	0	0.0	0	0.0	0	0.0	0	0.0
Human Immunodeficiency Virus Infection, 042-044	3	2.4	1	0.8	2	20.3	3	19.4	0	0.0	3	26.8
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	198	155.2	180	152.9	18	182.9	35	226.8	11	258.2	24	214.8
Lip, Oral Cavity and Pharynx, 140-149	4	3.1	3	2.5	1	10.2	1	6.5	0	0.0	1	8.9
Digestive Organs and Peritoneum, 150-159	32	25.1	27	22.9	5	50.8	11	71.3	4	93.9	7	62.6
Respiratory and Intra-thoracic Organs, 160-165	69	54.1	64	54.4	5	50.8	7	45.4	2	46.9	5	44.7
Breast, 174-175	21	16.5	20	17.0	1	10.2	1	6.5	0	0.0	1	8.9
Genitourinary Organs, 179-189	24	18.8	23	19.5	1	10.2	9	58.3	1	23.5	8	71.6
Leukemia, 204-208	6	4.7	5	4.2	1	10.2	0	0.0	0	0.0	2	17.9
All Other Sites, 166-173, 176-178, 190-203	42	32.9	38	32.3	4	40.6	6	38.9	4	93.9	0	0.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	2	1.6	1	0.8	1	10.2	1	6.5	0	0.0	1	8.9
Diabetes Mellitus: 250	20	15.7	17	14.4	3	30.5	6	38.9	0	0.0	6	53.7
Nutritional Deficiencies, 260-269	1	0.8	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0
Anemias, 280-285	1	0.8	1	0.8	0	0.0	1	6.5	0	0.0	1	8.9
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	11	8.6	11	9.3	0	0.0	0	0.0	0	0.0	0	0.0
Major Cardiovascular Diseases: 390-448	233	182.6	210	178.3	23	233.7	88	570.2	36	845.1	52	465.4
Diseases of Heart, 390-398, 402, 404-429	174	136.4	157	133.3	17	172.7	69	447.1	32	751.2	37	331.1
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	6	4.7	5	4.2	1	10.2	3	19.4	0	0.0	3	26.8
Ischemic Heart Disease, 410-414	90	70.5	85	72.2	5	50.8	23	149.0	8	187.8	15	134.2
Other Diseases of Heart, 405, 415-429	78	61.1	67	56.9	11	111.8	43	278.6	1	23.5	19	170.0
Hypertension with or without Renal Disease, 401, 403	2	1.6	2	1.7	0	0.0	1	6.5	0	0.0	10	89.5
Cerebrovascular Disease, 430-438	47	36.8	43	36.5	4	40.6	13	84.2	3	70.4	14	125.5
Diseases of the Arteries, 440-448	10	7.8	8	6.8	2	20.3	0	0.0	0	0.0	1	8.9
Atherosclerosis, 440	1	0.8	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0
Other Diseases of the Arteries, 441-448	9	7.1	7	5.9	2	20.3	1	6.5	0	0.0	1	8.9
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	22	17.2	17	14.4	5	50.8	2	13.0	1	23.5	5	44.7
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	27	21.2	26	22.1	1	10.2	12	77.8	7	164.3	5	44.7
Bronchitis, Emphysema and Asthma, 490-493	6	4.7	6	5.1	0	0.0	1	6.5	1	23.5	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	21	16.5	20	17.0	1	10.2	11	71.3	6	140.8	5	44.7
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	4	3.1	4	3.4	0	0.0	1	6.5	0	0.0	1	8.9
Chronic Liver Disease and Cirrhosis, 571	5	3.9	5	4.2	0	0.0	1	6.5	0	0.0	1	8.9
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	2	13.0	0	0.0	1	8.9
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	7	5.5	6	5.1	1	10.2	3	19.4	1	46.9	1	8.9
Infections of the Kidney, 590	1	0.8	1	0.8	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Con genital Anomalies, 740-759	4	3.1	3	2.5	1	10.2	4	25.9	0	0.0	4	35.8
Certain Conditions Originating in the Perinatal Period, 760-779	9	7.1	6	5.1	3	30.5	4	25.9	1	23.5	3	26.8
Symptoms and Ill-Defined Conditions, 780-799	89	69.8	78	66.2	11	111.8	44	90.7	3	70.4	11	98.4
Motor Vehicle Accidents, E810-E825	46	36.1	39	33.1	7	71.1	14	90.7	3	70.4	4	35.8
All Other Accidents, E800-E809, E826-E949	19	14.9	17	14.4	2	20.3	7	45.4	0	0.0	7	62.6
Suicide, E950-E959	27	21.2	22	18.7	5	50.8	7	45.4	0	0.0	1	8.9
Homicide and Legal Intervention, E960-E978	13	10.2	13	11.0	0	0.0	3	19.4	0	0.0	3	26.8
All Other Diseases, Residual	3	2.4	2	1.7	1	10.2	11	71.3	0	0.0	11	98.4
	96	75.2	86	73.0	10	101.6	11	71.3	0	0.0	11	98.4

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.

² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49--continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	TALLADEGA COUNTY					TALLAPOOSA COUNTY						
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	820	11.1	607	12.0	213	9.1	504	12.8	395	13.7	109	10.5
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	1	2.5	1	3.5	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	11	14.9	9	17.8	2	8.6	10	25.5	8	27.7	2	19.3
Human Immunodeficiency Virus Infection, 042-044	2	2.7	0	0.0	2	8.6	2	5.1	2	6.9	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	148	200.2	112	221.2	36	154.6	93	237.0	74	256.2	19	183.5
Lip, Oral Cavity and Pharynx, 140-149	3	4.1	3	5.9	0	0.0	0	0.0	0	0.0	0	0.0
Digestive Organs and Peritoneum, 150-159	32	43.3	23	45.4	9	38.6	14	35.7	12	41.5	2	19.3
Respiratory and Intra-thoracic Organs, 160-185	48	64.9	43	84.9	5	21.5	29	73.9	26	90.0	3	29.0
Breast, 174-175	10	13.5	7	13.8	3	12.9	7	17.8	5	17.3	2	19.3
Genitourinary Organs, 179-189	19	25.7	12	23.7	7	30.1	17	43.3	12	41.5	5	48.3
Leukemia, 204-208	6	8.1	4	7.9	2	8.6	4	10.2	2	6.9	2	19.3
All Other Sites, 166-173, 176-178, 190-203	30	40.6	20	39.5	10	42.9	22	56.1	17	58.9	5	48.3
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	1	1.4	1	2.0	0	0.0	1	2.5	1	3.5	0	0.0
Diabetes Mellitus, 250	17	23.0	10	19.7	7	30.1	9	22.9	5	17.3	4	38.6
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Anemias, 280-285	2	2.7	2	3.9	0	0.0	2	5.1	0	0.0	2	19.3
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	8	10.8	7	13.8	1	4.3	6	15.3	5	17.3	1	9.7
Major Cardiovascular Diseases, 390-448	347	469.8	243	479.8	104	446.6	174	443.5	139	481.3	35	338.1
Diseases of Heart, 390-398, 402, 404-429	263	355.7	190	375.2	73	313.5	139	354.3	118	408.6	21	202.9
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	6	8.1	2	3.9	4	17.2	3	7.6	3	10.4	0	0.0
Ischemic Heart Disease, 410-414	128	173.1	101	199.4	27	115.9	81	206.5	70	242.4	11	106.3
Other Diseases of Heart, 405, 415-429	129	174.5	87	171.8	42	180.4	54	137.6	44	152.3	10	96.6
Hypertension with or without Renal Disease, 401, 403	3	4.1	0	0.0	3	12.9	5	12.7	3	10.4	2	19.3
Cerebrovascular Disease, 430-438	71	96.0	46	90.8	25	107.4	22	56.1	14	48.5	8	77.3
Diseases of the Arteries, 440-448	10	13.5	7	13.8	3	12.9	8	20.4	4	13.8	4	38.6
Atherosclerosis, 440	1	1.4	0	0.0	1	4.3	1	2.5	1	3.5	0	0.0
Other Diseases of the Arteries, 441-448	9	12.2	7	13.8	2	8.6	7	17.8	3	10.4	4	38.6
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	45	60.9	35	69.1	10	42.9	22	56.1	16	55.4	6	58.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	43	58.2	38	75.0	5	21.5	24	61.2	21	72.7	3	29.0
Bronchitis, Emphysema and Asthma, 490-493	4	5.4	2	3.9	2	8.6	6	15.3	3	10.4	3	29.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	39	52.8	36	71.1	3	12.9	18	45.9	18	62.3	0	0.0
Ulcer of Stomach and Duodenum, 531-533	2	2.7	2	3.9	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	2	2.7	2	3.9	0	0.0	2	5.1	2	6.9	0	0.0
Chronic Liver Disease and Cirrhosis, 571	10	13.5	9	17.8	1	4.3	4	10.2	4	13.8	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	24	32.5	20	39.5	4	17.2	10	25.5	7	24.2	3	29.0
Infections of the Kidney, 590	1	1.4	1	2.0	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	1	1.4	0	0.0	1	4.3	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	0	0.0	0	0.0	0	0.0	4	10.2	3	10.4	1	9.7
Certain Conditions Originating in the Perinatal Period, 760-779	2	2.7	0	0.0	2	8.6	3	7.6	2	6.9	1	9.7
Symptoms and Ill-Defined Conditions, 780-799	10	13.5	8	15.8	2	8.6	58	147.8	49	169.7	9	86.9
Accidents, E800-E949	46	62.2	35	69.1	11	47.2	23	58.6	12	41.5	11	106.3
Motor Vehicle Accidents, E810-E825	30	40.6	23	45.4	7	30.1	12	30.6	7	24.2	5	48.3
All Other Accidents, E800-E809, E826-E949	16	21.6	12	23.7	4	17.2	11	28.0	5	17.3	6	58.0
Suicide, E950-E959	5	6.8	4	7.9	1	4.3	6	15.3	6	20.8	0	0.0
Homicide and Legal Intervention, E960-E978	13	17.6	4	7.9	1	4.3	1	2.5	0	0.0	1	9.7
All Other Diseases, Residual	80	108.2	65	128.3	15	64.4	49	124.9	38	131.6	11	106.3

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49-continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	TUSCALOOSA COUNTY						WALKER COUNTY					
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	1,357	8.5	965	8.3	392	9.0	851	12.7	785	12.6	66	15.0
Tuberculosis, All Forms, 010-018	2	1.3	1	0.9	1	2.3	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	24	15.0	19	16.4	5	11.5	11	16.5	11	17.6	0	0.0
Human Immunodeficiency Virus Infection, 042-044	3	1.9	1	0.9	2	4.6	1	1.5	1	1.6	0	0.0
Viral Hepatitis, 070	3	1.9	2	1.7	0	0.0	1	1.5	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	321	201.1	231	198.9	90	207.1	195	292.1	180	288.7	15	340.4
Lip, Oral Cavity and Pharynx, 140-149	3	1.9	3	2.6	0	0.0	1	1.5	1	1.6	0	0.0
Lip, Oral Cavity and Pharynx, 140-149	3	1.9	3	2.6	0	0.0	1	1.5	1	1.6	0	0.0
Digestive Organs and Peritoneum, 150-159	57	35.7	45	38.7	12	27.6	34	50.9	33	52.9	1	22.7
Respiratory and Intrathoracic Organs, 160-165	108	67.7	76	65.4	32	73.6	72	107.9	67	107.5	5	113.5
Breast, 174-175	30	18.8	23	19.8	7	16.1	12	18.0	12	19.2	0	0.0
Genitourinary Organs, 179-189	60	37.6	39	33.6	21	48.3	17	25.5	14	22.5	3	68.1
Leukemia, 204-208	11	6.9	7	6.0	4	9.2	9	13.5	8	12.8	1	22.7
All Other Sites, 166-173, 176-178, 190-203	52	32.6	38	32.7	14	32.2	50	74.9	45	72.2	5	113.5
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	5	3.1	5	4.3	0	0.0	2	3.0	2	3.2	0	0.0
Diabetes Mellitus, 250	47	29.4	26	22.4	21	48.3	23	34.5	16	25.7	7	158.9
Nutritional Deficiencies, 260-269	4	2.5	4	3.4	0	0.0	0	0.0	0	0.0	0	0.0
Anemias, 280-285	6	3.8	6	5.2	0	0.0	4	6.0	4	6.4	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	16	10.0	13	11.2	3	6.9	2	3.0	2	3.2	0	0.0
Major Cardiovascular Diseases, 390-448	519	325.2	367	316.0	152	349.8	347	519.8	322	516.4	25	567.4
Diseases of Heart, 390-398, 402, 404-429	385	241.8	270	232.4	116	266.9	304	455.4	284	455.4	20	453.9
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	1	0.6	1	0.9	0	0.0	1	1.5	1	1.6	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	32	20.0	15	12.9	17	39.1	5	7.5	4	6.4	1	22.7
Ischemic Heart Disease, 410-414	148	92.7	108	93.0	40	92.1	177	265.1	165	264.6	12	272.4
Other Diseases of Heart, 405, 415-429	205	128.4	146	125.7	59	135.8	121	181.3	114	182.8	7	158.9
Hypertension with or without Renal Disease, 401, 403	98	61.4	75	64.6	23	52.9	33	49.4	29	46.5	4	90.8
Cerebrovascular Disease, 430-438	27	16.9	17	14.6	10	23.0	8	12.0	8	12.8	0	0.0
Diseases of the Arteries, 440-448	6	3.8	3	2.6	3	6.9	1	1.5	1	1.6	0	0.0
Atherosclerosis, 440	21	13.2	14	12.1	7	16.1	7	10.5	7	11.2	0	0.0
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	59	37.0	43	37.0	16	36.8	27	40.4	26	41.7	1	22.7
Pneumonia and Influenza, 480-487	44	27.6	36	31.0	8	18.4	36	53.9	36	57.7	0	0.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	8	5.0	7	6.0	1	2.3	11	16.5	11	17.6	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	36	22.6	29	25.0	7	16.1	25	37.5	25	40.1	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	8	5.0	4	3.4	4	9.2	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	4	2.5	4	3.4	0	0.0	7	10.5	6	9.6	1	22.7
Chronic Liver Disease and Cirrhosis, 571	0	0.0	0	0.0	0	0.0	4	6.0	4	6.4	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	16	10.0	11	9.5	5	11.5	14	21.0	12	19.2	2	45.4
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	1	0.6	1	0.9	0	0.0	0	0.0	0	0.0	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hyperplasia of Prostate, 600	2	1.3	0	0.0	2	4.6	6	9.0	5	8.0	1	22.7
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	18	11.3	5	4.3	13	29.9	6	9.0	5	8.0	1	22.7
Congenital Anomalies, 740-759	34	21.3	20	17.2	14	32.2	16	24.0	16	25.7	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	62	38.8	46	39.6	16	36.8	26	38.9	24	38.5	3	68.1
Symptoms and ill-Defined Conditions, 780-799	28	17.5	20	17.2	8	18.4	25	37.5	24	38.5	2	45.4
Accidents, E800-E949	34	21.3	26	22.4	8	18.4	25	37.5	24	38.5	1	22.7
Motor Vehicle Accidents, E810-E825	16	10.0	14	12.1	2	4.6	14	21.0	13	20.9	1	22.7
All Other Accidents, E800-E809, E826-E949	18	11.3	12	10.2	6	13.8	11	16.5	11	17.6	1	22.7
Suicide, E950-E959	10	6.3	3	2.6	7	16.1	5	7.5	5	8.0	0	0.0
Homicide and Legal Intervention, E960-E978	134	84.0	103	88.7	31	71.3	78	116.8	69	110.7	9	204.3
All Other Diseases, Residual												

¹ Total Death Rate is per 1,000 population, Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.

² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49—continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	WASHINGTON COUNTY					WILCOX COUNTY						
	TOTAL		WHITE		BLACK AND OTHER		TOTAL		WHITE		BLACK AND OTHER	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	186	11.2	130	12.1	56	9.5	168	13.4	57	14.7	111	12.8
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	2	12.0	2	18.6	0	0.0	2	15.9	1	25.8	1	11.5
Human Immunodeficiency Virus Infection, 042-044	1	6.0	1	9.3	0	0.0	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	1	6.0	1	9.3	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	38	227.8	29	269.2	9	152.4	42	333.9	15	386.7	27	310.3
Lip, Oral Cavity and Pharynx, 140-149	0	0.0	0	0.0	0	0.0	2	15.9	2	51.6	0	0.0
Digestive Organs and Peritoneum, 150-159	9	54.0	7	65.0	2	33.9	11	87.4	5	128.9	6	69.0
Respiratory and Intrathoracic Organs, 160-165	14	83.9	11	102.1	3	50.8	8	63.6	3	77.3	5	57.5
Breast, 174-175	3	18.0	2	18.6	1	16.9	5	39.7	2	51.6	3	34.5
Genitourinary Organs, 179-189	8	48.0	6	55.7	2	33.9	10	79.5	1	25.8	9	103.4
Leukemia, 204-208	0	0.0	0	0.0	0	0.0	3	23.8	1	25.8	2	23.0
All Other Sites, 166-173, 176-178, 190-203	4	24.0	3	27.8	1	16.9	3	23.8	1	25.8	2	23.0
Benign Neoplasms, Carcinoma in Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus, 250	5	30.0	3	27.8	2	33.9	7	55.6	0	0.0	7	80.5
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	1	7.9	1	25.8	0	0.0
Anemias, 280-285	0	0.0	0	0.0	0	0.0	3	23.8	0	0.0	3	34.5
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	1	6.0	1	9.3	0	0.0	1	7.9	0	0.0	1	11.5
Major Cardiovascular Diseases, 390-448	91	545.6	58	538.3	33	558.8	57	453.1	16	412.5	41	471.2
Diseases of Heart, 390-398, 402, 404-429	70	419.7	44	408.4	26	440.3	46	365.7	10	257.8	36	413.7
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	1	6.0	0	0.0	1	16.9	0	0.0	0	0.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	3	18.0	2	18.6	1	15.2	3	23.8	0	0.0	3	34.5
Ischemic Heart Disease, 410-414	19	113.9	10	92.8	9	152.4	15	119.2	5	128.9	10	114.9
Other Diseases of Heart, 405, 415-429	47	281.8	32	297.0	15	254.0	28	222.6	5	128.9	23	264.3
Hypertension with or without Renal Disease, 401, 403	14	83.9	11	102.1	3	50.8	7	55.6	1	103.1	3	34.5
Cerebrovascular Disease, 430-438	7	42.0	3	27.8	4	67.7	1	7.9	4	25.8	0	0.0
Diseases of the Arteries, 440-448	3	18.0	1	9.3	2	33.9	0	0.0	1	0.0	0	0.0
Atherosclerosis, 440	4	24.0	2	18.6	2	33.9	1	7.9	1	25.8	0	0.0
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	2	12.0	2	18.6	0	0.0	5	39.7	3	77.3	2	23.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	5	30.0	5	46.4	0	0.0	10	79.5	6	154.7	4	46.0
Bronchitis, Emphysema and Asthma, 490-493	1	6.0	1	9.3	0	0.0	5	39.7	3	77.3	2	23.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	4	24.0	4	37.1	0	0.0	5	39.7	3	77.3	2	23.0
Ulcer of Stomach and Duodenum, 531-533	2	12.0	2	18.6	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	0	0.0	0	0.0	0	0.0	2	15.9	2	51.6	0	0.0
Chronic Liver Disease and Cirrhosis, 571	2	12.0	1	9.3	1	16.9	1	7.9	0	0.0	1	11.5
Cholelithiasis and Other Disorders of Gallbladder, 574-575	1	6.0	1	9.3	0	0.0	0	0.0	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	2	12.0	2	18.6	0	0.0	1	7.9	0	0.0	1	11.5
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	1	7.9	0	0.0	1	11.5
Hypertrophia of Prostate, 600	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Congenital Anomalies, 740-759	2	12.0	0	0.0	2	33.9	1	7.9	0	0.0	1	11.5
Certain Conditions Originating in the Perinatal Period, 760-779	0	0.0	0	0.0	0	0.0	4	31.8	0	0.0	3	34.5
Symptoms and Ill-Defined Conditions, 780-799	1	6.0	5	46.4	3	50.8	9	71.5	4	103.1	5	57.5
Accidents, E800-E949	8	48.0	2	18.6	3	50.8	5	39.7	3	77.3	2	23.0
Motor Vehicle Accidents, E810-E825	2	12.0	2	18.6	0	0.0	4	31.8	1	25.8	3	34.5
All Other Accidents, E800-E809, E826-E949	6	36.0	3	27.8	3	50.8	1	7.9	1	25.8	2	23.0
Suicide, E950-E959	3	18.0	1	9.3	1	16.9	1	15.9	0	0.0	0	0.0
Homicide and Legal Intervention, E960-E978	2	12.0	1	9.3	0	0.0	2	15.9	1	25.8	2	23.0
All Other Diseases, Residual	17	101.9	13	120.7	4	67.7	18	143.1	7	180.5	11	126.4

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

TABLE 49-continued
 SELECTED CAUSES OF DEATH AND RATES¹ BY COUNTY AND RACE
 ALABAMA, 1998

CAUSE OF DEATH/ICD CODE(S)	WINSTON COUNTY							
	TOTAL		WHITE		BLACK AND OTHER			
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
TOTAL ALL CAUSES	275	12.5	273	12.5	2	13.2²		
Tuberculosis, All Forms, 010-018	0	0.0	0	0.0	0	0.0	0	0.0
Meningococcal Infection, 036	0	0.0	0	0.0	0	0.0	0	0.0
Septicemia, 038	6	27.2	6	27.4	0	0.0	0	0.0
Human Immunodeficiency Virus Infection, 042-044	0	0.0	0	0.0	0	0.0	0	0.0
Viral Hepatitis, 070	0	0.0	0	0.0	0	0.0	0	0.0
Syphilis, 090-097	0	0.0	0	0.0	0	0.0	0	0.0
Malignant Neoplasms, Including Neoplasms of Lymphatic and Hematopoietic Tissues, 140-208	53	240.5	52	237.6	1	662.3 ²	0	0.0
Lip, Oral Cavity and Pharynx, 140-149	14	63.5	14	64.0	0	0.0	0	0.0
Digestive Organs and Peritoneum, 150-159	18	81.7	17	77.7	1	662.3 ²	0	0.0
Respiratory and Intra-thoracic Organs, 160-165	3	13.6	3	13.7	0	0.0	0	0.0
Breast, 174-175	4	18.2	4	18.3	0	0.0	0	0.0
Genitourinary Organs, 179-189	3	13.6	3	13.7	0	0.0	0	0.0
Leukemia, 204-208	3	13.6	3	13.7	0	0.0	0	0.0
All Other Sites, 166-173, 176-178, 190-203	10	45.4	10	45.7	0	0.0	0	0.0
Benign Neoplasms, Carcinoma In Situ, and Neoplasms of Uncertain Behavior and of Unspecified Nature, 210-239	0	0.0	0	0.0	0	0.0	0	0.0
Diabetes Mellitus, 250	9	40.8	9	41.1	0	0.0	0	0.0
Nutritional Deficiencies, 260-269	0	0.0	0	0.0	0	0.0	0	0.0
Anemias, 280-285	1	4.5	1	4.6	0	0.0	0	0.0
Meningitis, 320-322	0	0.0	0	0.0	0	0.0	0	0.0
Alzheimer's Disease, 3310	1	4.5	1	4.6	0	0.0	0	0.0
Major Cardiovascular Diseases, 390-448	108	490.1	108	493.5	0	0.0	0	0.0
Diseases of Heart, 390-398, 402, 404-429	79	358.5	79	361.0	0	0.0	0	0.0
Active Rheumatic Fever & Chronic Rheumatic Heart Disease, 390-398	0	0.0	0	0.0	0	0.0	0	0.0
Hypertension with Heart and Renal Disease, 402, 404	5	22.7	5	22.8	0	0.0	0	0.0
Ischemic Heart Disease, 410-414	36	163.4	36	164.5	0	0.0	0	0.0
Other Diseases of Heart, 405, 415-429	38	172.4	38	173.6	0	0.0	0	0.0
Hypertension with or without Renal Disease, 401, 403	25	113.4	25	114.2	0	0.0	0	0.0
Cerebrovascular Disease, 430-438	3	13.6	3	13.7	0	0.0	0	0.0
Diseases of the Arteries, 440-448	1	4.5	1	4.6	0	0.0	0	0.0
Atherosclerosis, 440	2	9.1	2	9.1	0	0.0	0	0.0
Other Diseases of the Arteries, 441-448	0	0.0	0	0.0	0	0.0	0	0.0
Acute Bronchitis and Bronchiolitis, 466	16	72.6	16	73.1	0	0.0	0	0.0
Pneumonia and Influenza, 480-487	19	86.2	18	82.2	1	662.3 ²	0	0.0
Chronic Obstructive Pulmonary Dis. and Allied Conditions, 490-496	4	18.2	3	13.7	1	662.3 ²	0	0.0
Bronchitis, Emphysema and Asthma, 490-493	15	68.1	15	68.5	0	0.0	0	0.0
Other Chronic Obstructive Pulmonary Dis. and Allied Conditions, 494-496	2	9.1	2	9.1	0	0.0	0	0.0
Ulcer of Stomach and Duodenum, 531-533	0	0.0	0	0.0	0	0.0	0	0.0
Appendicitis, 540-543	1	4.5	1	4.6	0	0.0	0	0.0
Hernia of Abdominal Cavity and Intestinal Obstruction Without Mention of Hernia, 550-553, 560	0	0.0	0	0.0	0	0.0	0	0.0
Chronic Liver Disease and Cirrhosis, 571	0	0.0	0	0.0	0	0.0	0	0.0
Cholelithiasis and Other Disorders of Gallbladder, 574-575	1	4.5	1	4.6	0	0.0	0	0.0
Nephritis, Nephrotic Syndrome and Nephrosis, 580-589	0	0.0	0	0.0	0	0.0	0	0.0
Infections of the Kidney, 590	0	0.0	0	0.0	0	0.0	0	0.0
Hypertrophy of Prostate, 600	1	4.5	1	4.6	0	0.0	0	0.0
Complications of Pregnancy, Childbirth, and the Puerperium, 630-676	1	4.5	1	4.6	0	0.0	0	0.0
Congenital Anomalies, 740-759	4	18.2	4	18.3	0	0.0	0	0.0
Certain Conditions Originating in the Perinatal Period, 760-779	23	104.4	23	105.1	0	0.0	0	0.0
Symptoms and Ill-Defined Conditions, 780-799	13	59.0	13	59.4	0	0.0	0	0.0
Motor Vehicle Accidents, E810-E825	10	45.4	10	45.7	0	0.0	0	0.0
All Other Accidents, E800-E809, E826-E949	7	31.8	7	32.0	0	0.0	0	0.0
Suicide, E950-E959	0	0.0	0	0.0	0	0.0	0	0.0
Homicide and Legal Intervention, E960-E978	0	0.0	0	0.0	0	0.0	0	0.0
All Other Diseases, Residual	22	99.8	22	100.5	0	0.0	0	0.0

¹ Total Death Rate is per 1,000 population. Cause-Specific Death Rates are per 100,000 population. See formulas in Appendix B. Caution should be exercised in using rates derived from small numbers.
² The population for which these rates apply is under 1,000 which may decrease rate stability.

The estimated populations used in this volume were produced using data from Population Projections for Alabama counties published by the Alabama State Data Center, Center for Business and Economic Research, University of Alabama. These estimations were derived by using the cohort-survival method.

APPENDIX A DENOMINATOR POPULATION

**ESTIMATED POPULATION BY COUNTY AND RACE
ALABAMA, 1998**

AREA	TOTAL	WHITE	BLACK AND OTHER
ALABAMA	4,155,080	3,052,818	1,102,262
Autauga	35,929	29,120	6,809
Baldwin	113,825	99,535	14,290
Barbour	25,725	14,247	11,478
Bibb	17,289	13,846	3,443
Blount	41,363	40,649	714
Bullock	11,180	2,666	8,514
Butler	21,558	12,580	8,978
Calhoun	114,400	90,738	23,662
Chambers	35,390	22,420	12,970
Cherokee	19,966	18,706	1,260
Chilton	34,003	30,138	3,865
Choctaw	15,421	8,488	6,933
Clarke	27,049	15,382	11,667
Clay	12,908	10,776	2,132
Cleburne	12,851	12,240	611
Coffee	41,583	33,576	8,007
Colbert	49,460	40,951	8,509
Concehuc	13,053	7,275	5,778
Coosa	10,890	7,070	3,820
Covington	35,962	31,071	4,891
Crenshaw	13,226	9,754	3,472
Cullman	71,783	70,896	887
Dale	50,323	39,609	10,714
Dallas	44,161	17,356	26,805
Dekalb	55,642	53,624	2,018
Elmore	53,466	41,501	11,965
Escambia	33,512	23,112	10,400
Etoawah	96,655	81,713	14,942
Fayette	17,334	15,185	2,149
Franklin	27,317	25,936	1,381
Geneva	23,121	20,231	2,890
Greene	9,641	1,719	7,922
Hale	15,379	6,489	8,890
Henry	15,428	10,236	5,192
Houston	86,283	64,460	21,823
Jackson	45,408	41,756	3,652
Jefferson	635,879	396,065	239,814
Lamar	15,113	13,237	1,876
Lauderdale	78,318	70,237	8,081
Lawrence	33,033	24,506	8,527
Lee	93,724	69,473	24,251
Limestone	60,193	52,743	7,450
Lowndes	12,310	3,118	9,192
Macon	23,443	3,125	20,318
Madison	274,493	270,391	64,102
Marengo	21,852	11,051	10,801
Marion	29,416	28,171	1,245
Marshall	74,509	72,880	1,629
Mobile	387,431	259,551	127,880
Monroe	24,968	15,414	9,554
Montgomery	219,451	120,122	99,329
Morgan	108,020	95,400	12,620
Perry	11,177	3,536	7,641
Pickens	20,172	11,682	8,490
Pike	26,986	17,449	9,537
Randolph	19,741	15,117	4,624
Russell	45,923	28,200	17,723
St. Clair	56,477	51,452	5,025
Shelby	127,596	117,754	9,842
Sumter	15,434	4,260	11,174
Talladega	73,929	50,643	23,286
Tallapoosa	39,233	28,881	10,352
Tuscaloosa	159,609	116,155	43,454
Walker	66,755	62,349	4,406
Washington	16,679	10,774	5,905
Wilcox	12,580	3,879	8,701
Winston	22,037	21,886	151

NOTE: The midyear population estimates were prepared by the Center for Business and Economic Research, University of Alabama. These numbers were derived using the cohort-survival method.

**ESTIMATED POPULATION
BY RACE, SEX AND AGE GROUP
ALABAMA, 1998**

AGE GROUP	TOTAL POPULATION (ESTIMATED)	WHITE			BLACK AND OTHER		
		TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
TOTAL	4,155,080	3,052,818	1,485,871	1,566,947	1,102,262	505,485	596,777
0-4	304,538	195,430	100,689	94,741	109,108	55,173	53,935
5-9	294,442	196,247	101,281	94,966	98,195	49,669	48,526
10-14	291,057	194,829	100,752	94,077	96,228	48,710	47,518
15-19	296,779	195,331	100,371	94,960	101,448	50,713	50,735
20-24	301,897	205,626	104,476	101,150	96,271	45,997	50,274
25-29	278,876	205,861	103,691	102,170	73,015	32,150	40,865
30-34	284,614	215,355	108,335	107,020	69,259	30,232	39,027
35-39	313,830	233,792	117,022	116,770	80,038	34,875	45,163
40-44	312,751	231,000	115,004	115,996	81,751	35,842	45,909
45-49	290,597	221,417	109,785	111,632	69,180	31,063	38,117
50-54	245,364	195,287	95,996	99,291	50,077	22,530	27,547
55-59	200,502	162,507	78,271	84,236	37,995	16,458	21,537
60-64	175,263	142,674	67,306	75,368	32,589	13,515	19,074
65-69	164,164	133,376	60,829	72,547	30,788	12,074	18,714
70-74	147,526	119,802	51,401	68,401	27,724	10,461	17,263
75-79	111,782	91,234	35,793	55,441	20,548	7,373	13,175
80-84	76,414	61,797	21,105	40,692	14,617	4,827	9,790
85 +	64,684	51,253	13,764	37,489	13,431	3,823	9,608

NOTE: The midyear population estimates were prepared by the Center for Business and Economic Research, University of Alabama. Were derived using the cohort-survival method.

APPENDIX B

TECHNICAL NOTES

MORTALITY FORMULAS

TIPS ON USING VITAL EVENTS DATA

CONTRIBUTING SOURCES

ALABAMA CERTIFICATE OF DEATH

PUBLICATIONS AVAILABLE FROM THE CENTER FOR

HEALTH STATISTICS

TECHNICAL NOTES

COMPLETENESS OF DATA

The registration of deaths is thought to be nearly 100 percent complete since a certificate is completed before the final disposition of the remains in most instances. However, it is recognized that infant deaths may be under registered, particularly where death occurs away from a hospital within the first few days of life. In some cases of homicide or accidental deaths in which the body is not discovered for a considerable period of time after the death has occurred, the date of death is estimated. If this estimated date of death is for a prior year to the year in which the body is discovered, the certificate is added to the end of that year's records even though the file for that year may have already been closed out. The information from these certificates is not included in tabulations. Other death certificates are simply filed too late to be included in the final tabulations. Whatever the case may be, the number of delayed certificates is too small to be of significant statistical value.

QUALITY OF DATA

Every precaution is taken to minimize errors in the raw data during its preparation and receipt. Death certificates filed with the Center for Health Statistics are visually checked for completeness and returned if found to be incomplete or improperly completed. Prior to coding, each document is edited for consistency and completeness. Selected data items are verified before computer entry. Following computer entry, data items are subjected to numerous validity and consistency edits.

CAUSE OF DEATH

All causes of death are coded in accordance with the *International Classification of Diseases, Ninth Revision, (ICD)*. The ninth revision was first used for cause of death classification on January 1, 1979.

CLASSIFICATION OF DATA BY PLACE

The cause of death is the "underlying cause" as determined from information provided on the death certificates by the attending physician, coroner, or medical examiner. The "underlying cause" is defined as that cause deemed responsible for the sequence of morbid events leading directly to death. Specific causes of death which are considered in developing the leading causes of death for decedents aged one year and greater are those listed in the "List of 72 Selected Causes" maintained by the National Center for Health Statistics (NCHS) and published in various mortality publications produced by that agency. It should be noted that Alzheimer's Disease was first included in this ranking starting with 1994 data. The specific causes which are considered in developing leading causes of death for infants are those listed in the "List of 61 Selected Causes of Infant Death" maintained by NCHS.

Vital events may be classified by "place of occurrence" or by "place of residence." Data classified by "place of occurrence" are statistically counted according to the geographic location where the event occurred regardless of residence. Data classified according to "place of residence" are statistically counted according to the usual residence of the decedent, without regard to the geographic location where the decedent died or was killed. Thus, if an Alabama resident has a fatal automobile accident in another state, the event is counted as a "resident in Alabama, but an "occurrence death" in the state where the event occurred.

While it is recognized that occurrence data have administrative value, especially for planning hospital and clinic facilities, resident statistics are more useful tools in determining health indexes for planning and evaluation purposes. Therefore, data presented in this report are by place of residence except where otherwise noted.

RACE

Race classifications as reported on certificates of death are generally coded using nine categories. However, for tabulation purposes, two categories are utilized. "White" includes Mexican, Puerto Rican, Cajun, Creole, and other Caucasian. The "black and other" racial group includes Black, American Indian, Chinese, Japanese, Hawaiian, Filipino, other Asian or Pacific Islander, or mixtures of white and other races.

According to the 1990 Census of Population for Alabama, the "black and other" racial group as presented in this publication can be assumed to consist of 95.9 percent Black, 1.5 percent American Indian, 0.4 percent Asian Indian, 0.3 percent Korean, 0.4 percent Chinese, 0.2 percent Japanese, 0.2 percent Vietnamese, 0.2 percent Filipino, and 0.9 percent for all other non-white races.

HANDLING OF UNKNOWN

Items which are reported as "unknown" or for which no response was provided are not statistically distributed into the frequency distribution. Rather, these items are shown as "not stated" in the tables and graphs throughout this publication. The only exceptions to this rule are for race and sex. Race is indeterminate in some instances. So when this does occur, the race is considered "white" for reporting purposes. If sex cannot be determined, the sex is considered male if the day of birth is odd and female if the day of birth is even.

STATISTICAL RATE LIMITATIONS

All statistics are subject to chance variation. Such random variation in a large universe of data has little effect on the quality or usefulness of the data. However, random variation occurring when the number of events is limited or when the population base on which the rate is predicated is small may produce rates which are correct but of limited value for application purposes. In this report rates are given even when there were few occurrences of a particular vital event. Warnings are issued in table footnotes when the rates may be unstable.

DEFINITIONS

A second limitation involves rates calculated using small population bases. In this report such rates are published, but population base limitations are noted in the table footnotes. Rates which are subject to these limitations are accurate, but would not be stable for use in certain statistical procedures, especially time analysis.

AUTOPSY – The postmortem examination of a body, usually by a doctor of forensic science, to determine the underlying cause of death.

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. Deaths, by cause, are classified according to the *International Classification of Diseases, Ninth Revision*, following instructions established by the National Center for Health Statistics.

CRUDE DEATH RATE—The number of deaths per a specified number of population (i.e., per 1,000 or 100,000). Crude rates are not adjusted for differences in demographic distributions among populations. **DEATH**—Death is generally defined as "no spontaneous respiratory or cardiac function and no expectation of recovery of these functions." For definitions of death determination under other than general circumstances, the Code of Alabama should be consulted. **ESTIMATED POPULATION** – Estimated population as of April 1 of the year for which the estimate is made. **INFANT DEATH** – Death of a liveborn infant under one year of age.

KESSNER INDEX – An index that measures the quantitative adequacy of prenatal care. This index takes three factors into account simultaneously: 1) the time of the first prenatal visit, 2) the number of prenatal visits, and 3) gestational age at the time of birth. The index is based upon the recommendations of the American College of Obstetricians and Gynecologists and the World Health Organization and is consistent with the 1978 American Public Health Association's standards for the initiation and frequency of prenatal visits. The index classifies a woman's prenatal care as adequate, intermediate, inadequate, or unknown. Criteria

INDEX	TRIMESTER OF FIRST PRENATAL VISIT	GESTATION IN WEEKS	PRENATAL VISITS
ADEQUATE	FIRST	13 OR LESS	1 OR MORE OR NOT STATED
	(1-3) MONTHS	14-17	2 OR MORE
		18-21	3 OR MORE
		22-25	4 OR MORE
		26-29	5 OR MORE
		30-31	6 OR MORE
		32-33	7 OR MORE
		34-35	8 OR MORE
		36 OR MORE	9 OR MORE
INADEQUATE	THIRD	14-21	0 OR NOT STATED
	OR		
	(7-9 MONTHS)	22-29	1 OR LESS OR NOT STATED
	OR	30-31	2 OR LESS OR NOT STATED
	NO PRENATAL	32-33	3 OR LESS OR NOT STATED
	CARE	34 OR MORE	4 OR LESS OR NOT STATED
INTERMEDIATE	All other combinations with known gestational age (i.e., month and year of last menstrual period) and known month care began		
UNKNOWN	One or more of the following is unknown: month prenatal care began, month of last menstrual period, year of last menstrual period.		

CRITERIA FOR CLASSIFICATION OF ADEQUACY OF PRENATAL CARE ACCORDING TO THE KESSNER INDEX

for this classification are given below.

CARE - The sum of the inadequate and intermediate prenatal care categories of the Kessner Index.

MATERNAL DEATH - A death due to complications of pregnancy, labor, delivery or puerperium (ICD codes 630-676).

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

OCCURRENCE DATA - Data compiled as to the geographical place the event occurred without

regard to residence.

PERINATAL DEATH - Death of a fetus of 28 or more weeks gestation or death of a liveborn infant under seven days of life. It should be noted that there are several definitions for perinatal death. Caution should be exercised to assure that the same definition is being used in analysis.

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

RESIDENT DATA - Data compiled as to the usual place of residence without regard to the geographical place where the event occurred.

MORTALITY FORMULAS

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

$$\text{AGE-ADJUSTED DEATH RATE} = \left(\frac{\text{Decedents Under 1 Year of Age}}{\text{Ala. Midyear Population Under 1 Year of Age}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 1-4}}{\text{Ala. Midyear Population Aged 1-4}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 5-14}}{\text{Ala. Midyear Population Aged 5-14}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 15-24}}{\text{Ala. Midyear Population Aged 15-24}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 25-34}}{\text{Ala. Midyear Population Aged 25-34}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 35-44}}{\text{Ala. Midyear Population Aged 35-44}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 45-54}}{\text{Ala. Midyear Population Aged 45-54}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 55-64}}{\text{Ala. Midyear Population Aged 55-64}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 65-74}}{\text{Ala. Midyear Population Aged 65-74}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 75-84}}{\text{Ala. Midyear Population Aged 75-84}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) + \left(\frac{\text{Decedents Aged 85 or More}}{\text{Ala. Midyear Population Aged 85 or More}} \times \frac{\text{1940 U.S. Standard Million Pop.}}{\text{1940 U.S. Standard Million Pop.}} \right) \times 1,000$$

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

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

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

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

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

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

$$\text{CAUSE-SPECIFIC NEONATAL MORTALITY RATE} = \frac{\text{Number of Deaths Under 28 Days of Age for Specific Cause}}{\text{Number of Live Births}} \times 100,000$$

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

$$\text{CAUSE-SPECIFIC POSTNEONATAL MORTALITY RATE} = \frac{\text{Number of Deaths 28 or More Days, But Less Than 1 Year of Age for Specific Cause}}{\text{Number of Live Births}} \times 100,000$$

$$\text{PERINATAL MORTALITY RATE} = \frac{\text{Number of Fetal Deaths 28 or More Weeks in Gestation Plus Infant Deaths Under 7 Days of Age}}{\text{Number of Live Births Plus Number of Fetal Deaths 28 or More Weeks in Gestation}} \times 1,000$$

(The definition of perinatal mortality varies from state to state. Caution should be exercised in comparing this rate between states.)

$$\text{MATERNAL MORTALITY RATE} = \frac{\text{Number of Deaths Due to "Complications of Pregnancy, Childbirth or the Puerperium" (ICDA 630-676)}}{\text{Number of Live Births}} \times 10,000$$

TIPS ON USING VITAL EVENTS DATA

standard. For example, the crude death rate is expressed per 1,000 total population. This comparison removes differences between sizes of areas being compared or changes in population over time and allows for analysis of changes in vital event patterns.

VITAL EVENT REPORTING LIMITATIONS

Unfortunately, many studies which utilize vital events information are limited by the fact that all events or variables which are needed may not be reported. Legal requirements and difficulty of collection tend to restrict the availability of vital events information.

Fortunately, reporting limitations should be of minor concern relating to mortality since all deaths are legally required to be reported. However, the analysis of selected subjects should consider this potential limitation.

VARIATIONS IN DEFINITIONS

Differences in definitions may pose concern when a comparison is being made between Alabama, other states, or the nation. While most definitions are consistent nationwide, there are some vital events such as fetal deaths and some methods of analysis such as the perinatal mortality rate which vary in definition. To assure consistency, a user should compare definitions when studying different states or the nation.

Varying definitions may also be encountered when analyzing data from different data sources. An example of this variation is deaths from motor vehicle accidents. Motor vehicle fatalities as reported by the Alabama Department of Public Safety include those which occur on public roads and where the death occurred within 30 days following the date of the accident. Deaths from motor vehicle accidents as reported in this publication include fatalities from accidents occurring in all

This publication presents a recording of the most requested statistics relating to vital events and is a source of information which can be used in further analysis. While many users of vital statistics have a good working knowledge of this subject, others may not fully understand this application and the data limitations. This section discusses special concerns when working with vital statistics.

INFORMATION IS AVAILABLE BY RESIDENCE OR OCCURRENCE

Information on vital events can be produced by the place where the event occurred or by the residence of individuals involved in these events. Most studies require information by residence. All vital events data contained in this publication are by residence except for Table 24 on accidental deaths by type and age group which is for deaths occurring in Alabama. Caution should be exercised in determining whether to use data by residence or occurrence because rather large differences can result.

USING TOTALS OR RATES/RATIOS

Vital events can be reported as totals, rates or ratios. Totals will suffice when the user needs to know how many times a certain event occurred and no relationship or comparison is to be made with other areas or different time periods.

When different areas or time periods are being studied it may be best to use rates or ratios. Populations vary between areas or over time in the same area. It may be that variations in the occurrence of vital events could result from changes in the population and do not indicate a new trend in vital statistics. Rates or ratios express the occurrence of selected vital events in relation to a set

more than simple quote it may be necessary to calculate a rate or ratio for a period of years to smooth out annual variations. Or it may be necessary to perform a more detailed statistical analysis to determine whether differences between rates are statistically significant. Determination of what constitutes a small number must be made by the individual user in consideration of the study being conducted. However, numbers smaller than 16 are generally considered unstable for use in most statistical computations.

INFLUENCES ON VITAL STATISTICS

Every study involving vital statistics should be analyzed for possible influences that are independent of the variables included in the study. For example, a study of cancer mortality by county will reveal that some counties have higher mortality rates than others. However, cancer mortality is known to be greater among the elderly population and a higher rate may actually be more of a reflection of the age of a county's population than an indicator of other cancer risk factors present in that county.

public and private locations and where death occurred within one year following the accident. Thus, deaths from motor vehicle accidents as reported in this publication will always exceed those reported by the Alabama Department of Public Safety.

SMALL NUMBER LIMITATIONS

There are two limitations involving small numbers. One involves a small number of occurrences for a particular vital event and the other involves rates or ratios calculated for a small population even though the number of occurrences of that event may not be considered small. Since this publication is a historical recording of the occurrences of vital events in Alabama, small numbers and rates or ratios derived by using small numbers or small populations are published. However, caution should be exercised concerning the use of such data in a study. Statistical stability cannot be assured when small numbers are used in some formulas. If a simple quote is needed, without time analysis or comparative studies, small numbers should pose no threat to a study. However, if small numbers are being used for

CONTRIBUTING SOURCES

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National Vital Statistics Report, United States Abridged Life Tables, 1996, Volume 47 Number 13, U.S. Department of Health and Human Services, Center for Disease Control and Prevention, National Center for Health Statistics, Hyattsville, Maryland, December 24, 1998.
Vital Statistics of the United States, 1989, Life Tables Volume II, Section 6, U.S. Department of Health and Human Services, Center for Disease Control and Prevention, Hyattsville, Maryland, December, 1992.

SOURCE OF DATA

Certificates of 1998 deaths which were filed with the state registrar of vital statistics were the primary source of data for this report. Records of deaths occurring outside the state to residents of Alabama were obtained from transcripts of certificates made available through a system of interchange among all states and territories of the United States as well as the provinces and territories of Canada. United States data, historical data and data from other states were taken from publications of the National Center for Health Statistics. Population data for census years were obtained from United States Bureau of Census publications. Population estimates for years other than census years were made available by the Center for Business and Economic Research, University of Alabama.

SOURCE PUBLICATIONS LIST

Dorland's Illustrated Medical Dictionary, 27th. ed. (Philadelphia: W. B. Saunders Company).
Kessner DM, Singer J, Kalk CE, Schlesinger ER. Infant Death: An Analysis by Maternal

TYPE IN PERMANENT
BLACK INK, DO NOT
USE GREEN, RED, OR
BLUE INK.

NAME OF DECEASED

SSN:

46
49
55

3
6
19
20
26
27
34

ALABAMA CERTIFICATE OF DEATH

State File Number
101

1. DECEASED—NAME First Middle Last (Type last name all capitals)		2. DATE OF DEATH (Month, Day, Year)		3. COUNTY OF DEATH	
4. CITY, TOWN, OR LOCATION OF DEATH AND ZIP CODE		5. INSIDE CITY LIMITS (Specify Yes or No)		6. PLACE OF DEATH—HOSPITAL OR OTHER INSTITUTION—(If not in either, give street and number)	
7. IF HOSPITAL (Specify Inpatient, ER or Outpatient, DOA)		8. OF HISPANIC ORIGIN (Specify Yes or No. If Yes, Specify Cuban, Mexican, Puerto Rican, etc.)		9. RACE—(Specify American Indian, Black, White, etc.)	
10. SEX		11. AGE YEARS MONTHS DAYS		12. BIRTH (Month, Day, Year)	
13. DECEASED'S SOCIAL SECURITY NUMBER		14. DECEASED'S SOCIAL SECURITY NUMBER		15. EDUCATION (Specify ONLY highest grade completed below) Elementary or High School (9-12) College (1-4 or 5-7) (Specify Married, Never Married, Widowed, Divorced)	
16. MARITAL STATUS (Specify Married, Never Married, Widowed, Divorced)		17. SURVIVING SPOUSE (If wife, give maiden name)		18. Was Decedent ever in Armed Forces (Specify Yes or No)	
19. STATE OF BIRTH (If not in USA, name country)		20. RESIDENCE—STATE		21. COUNTY	
22. CITY, TOWN, OR LOCATION AND ZIP CODE		23. INSIDE CITY LIMITS 24. STREET AND NUMBER		25. INFORMANT—Name and address	
26. USUAL OCCUPATION (Give kind of work done during most of working life even if retired)		27. KIND OF BUSINESS OR INDUSTRY		28. FATHER—NAME First Middle Last	
29. MOTHER—NAME First Middle Last		30. DISPOSITION OF BODY (Specify Burial, Cremation, Medical, Donation, Hospital Disposal, Other)		31. DATE OF DISPOSITION (Month, Day, Year)	
32. CEMETERY OR CREMATORY—Name		33. LOCATION—(City or Town—State)		34. FUNERAL HOME—Name and address	
35. FUNERAL DIRECTOR—Signature		36. DATE SIGNED BY FUNERAL DIRECTOR		37. Certifying Physician — Coroner (Physician certifying cause of death) (To the best of my knowledge and investigation, in my opinion, death occurred at the time, date, place, and due to the cause(s) and manner stated.) Signature: _____ 38. DATE SIGNED (Month, Day, Year)	
39. TIME AND DATE OF DEATH		40. DATE AND TIME PRONOUNCED DEAD (For Coroner/M.E. use only)		41. NAME AND TITLE OF PERSON WHO COMPLETED CAUSE OF DEATH (Item 45)	
42. ADDRESS OF PERSON WHO COMPLETED CAUSE OF DEATH (Item 45)		43. CERTIFIER LICENSE NUMBER		44. REGISTRAR—Signature For State or County use only	
45. DATE FILED (Month, Day, Year)		46. DATE FILED (Month, Day, Year)		47. PART I. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I	
48. WAS THERE A PREGNANCY IN LAST 42 DAYS? (Specify Yes, No, or Unknown)		49. MANNER OF DEATH (Specify—Accident, Suicide, Homicide, Undetermined Circumstances, Pending Investigation, Natural Cause)		50. AUTOBIOGRAPHY (Specify Yes or No)	
51. If Yes, were findings considered in determining cause of death?		52. HOW INJURY OCCURRED (Enter nature of injury in item 48, Part I or item 47, Part II)		53. DATE OF INJURY (Month, Day, Year)	
54. HOUR OF INJURY		55. INJURY AT WORK (Specify Yes or No)		56. PLACE OF INJURY—(Specify at home, farm, street, factory, office building, etc.)	
57. LOCATION OF INJURY (Street or R.F.D. No., City or Town, State)		58. HOW INJURY OCCURRED (Enter nature of injury in item 48, Part I or item 47, Part II)		59. DATE OF INJURY (Month, Day, Year)	
60. HOUR OF INJURY		61. MANNER OF DEATH (Specify—Accident, Suicide, Homicide, Undetermined Circumstances, Pending Investigation, Natural Cause)		62. AUTOBIOGRAPHY (Specify Yes or No)	
63. If Yes, were findings considered in determining cause of death?		64. PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I		65. WAS THERE A PREGNANCY IN LAST 42 DAYS? (Specify Yes, No, or Unknown)	
66. IMMEDIATE CAUSE (Final disease or condition resulting in death)		67. DUE TO OR AS A CONSEQUENCE OF		68. DUE TO OR AS A CONSEQUENCE OF	
69. IMMEDIATE CAUSE (Final disease or condition resulting in death)		70. DUE TO OR AS A CONSEQUENCE OF		71. DUE TO OR AS A CONSEQUENCE OF	
72. IMMEDIATE CAUSE (Final disease or condition resulting in death)		73. DUE TO OR AS A CONSEQUENCE OF		74. DUE TO OR AS A CONSEQUENCE OF	
75. IMMEDIATE CAUSE (Final disease or condition resulting in death)		76. DUE TO OR AS A CONSEQUENCE OF		77. DUE TO OR AS A CONSEQUENCE OF	
78. IMMEDIATE CAUSE (Final disease or condition resulting in death)		79. DUE TO OR AS A CONSEQUENCE OF		80. DUE TO OR AS A CONSEQUENCE OF	
81. IMMEDIATE CAUSE (Final disease or condition resulting in death)		82. DUE TO OR AS A CONSEQUENCE OF		83. DUE TO OR AS A CONSEQUENCE OF	
84. IMMEDIATE CAUSE (Final disease or condition resulting in death)		85. DUE TO OR AS A CONSEQUENCE OF		86. DUE TO OR AS A CONSEQUENCE OF	
87. IMMEDIATE CAUSE (Final disease or condition resulting in death)		88. DUE TO OR AS A CONSEQUENCE OF		89. DUE TO OR AS A CONSEQUENCE OF	
90. IMMEDIATE CAUSE (Final disease or condition resulting in death)		91. DUE TO OR AS A CONSEQUENCE OF		92. DUE TO OR AS A CONSEQUENCE OF	
93. IMMEDIATE CAUSE (Final disease or condition resulting in death)		94. DUE TO OR AS A CONSEQUENCE OF		95. DUE TO OR AS A CONSEQUENCE OF	
96. IMMEDIATE CAUSE (Final disease or condition resulting in death)		97. DUE TO OR AS A CONSEQUENCE OF		98. DUE TO OR AS A CONSEQUENCE OF	
99. IMMEDIATE CAUSE (Final disease or condition resulting in death)		100. DUE TO OR AS A CONSEQUENCE OF		101. DUE TO OR AS A CONSEQUENCE OF	

MEDICAL CERTIFICATION

LIST ONLY ONE CAUSE ON EACH LINE

This is a legal record and must be filed within five (5) days after death.

PUBLICATIONS AVAILABLE FROM THE CENTER FOR HEALTH STATISTICS

CODE	TITLE/DESCRIPTION OF PUBLICATION	
AVE	Alabama Vital Events (1972-1993) This annual publication is available for each year--1972 through 1993--and consists of approximately 275 pages of tables, graphs and charts. Major sections on population, natality, mortality, marriage and divorce present much of the most requested vital events information by race, age, sex, and other demographic variables. Editions since 1986, also contain a section presenting county vital events profiles and sub-sections on low weight births; births to unmarried women; fertility; mortality from major cardiovascular diseases, malignant neoplasms, accidents, suicide, and homicide; infant mortality; fetal mortality; and maternal mortality. Editions prior to 1986 do not contain all of these features. Data presented in this publication are predominantly statewide; however, basic county tabulations are presented in each section and the county profiles should meet most county data needs. Data on larger cities are limited to counts of births and deaths along with populations. NOTE: Hard copies are available for 1976, 1979, 1980, 1981, 1982, 1983, 1984, 1986, 1987, 1988, 1990, 1991, 1992 and 1993. This publication is available only on microfiche for the years 1972, 1973, 1974, 1975, 1977, 1978, 1985, and 1989.	Cost \$15.00
AV1	Alabama Vital Events (1994-1998) - Volume I, Pregnancy Statistics This annual publication contains the same information as was presented in the "Natality" section of the Alabama Vital Events publication for the years 1986 through 1993. Additional information on Fetal Deaths and Pregnancies have been included with natality data.	Cost \$10.00
AV2	Alabama Vital Events (1994-1998) - Volume II, Mortality Statistics This annual publication contains the same information as was presented in the "Mortality" section of the Alabama Vital Events publication for the years 1986 through 1993. The sub-section on Fetal Deaths has been moved from this publication into Volume I on Pregnancy Statistics.	Cost \$10.00
AV3	Alabama Vital Events (1994-1998) - Volume III, Marriage and Divorce Statistics This annual publication contains the same information as was presented in the "Marriage" and "Divorce" sections of the Alabama Vital Events publication for the years 1986 through 1993.	Cost \$10.00
AV4	Alabama Vital Events (1994-1998) - Volume IV, County Profiles This annual publication is an enhancement of the "Area Profile" section of the Alabama Vital Events publication for the years 1986 through 1993. Additional information has been included to make profile contents more valuable to the user.	Cost \$10.00
AV5	Alabama Vital Events - Volume V, Life Expectancy (1995) This publication contains tables on life expectancy by race, sex, and age group for residents of Alabama. This volume of the Alabama Vital Events publication is published starting with the data year 1995 and quinquennially thereafter.	Cost \$20.00
AVX	Alabama Vital Events (1998) - Volumes I-IV This code should be given when ordering a complete set of Volumes 1 through V of the Alabama Vital Events publication. Part V on life expectancy will be included at no additional costs during years for which this part is published.	Cost \$40.00
DMS	Detailed Mortality Statistics This annual publication is available for each year--1978 through 1998--and consists of a listing of causes of death at the four-digit International Classification of Disease Code level with the numbers of Alabama residents dying during the year from each cause by race, sex, and age grouping. This publication contains approximately 150 pages. NOTE: Hard copies are available for all years except 1982, which is available only on microfiche.	Cost \$10.00
ABR	Alabama Births by Residence and Occurrence The last year for which this publication is available is 1994. This annual publication is available for each year--1979 through 1994--and consists of tables referencing births by the mother's county of residence and the county where the birth occurred and vice versa. The format of this publication was changed in 1989, but all years contain the same information. This publication contains approximately 26 pages. NOTE: Hard copies are available for all years.	Cost \$10.00
TBS	Teenage Birth Statistics This annual publication is available for each year--1977 through 1995--and consists of approximately 29 pages of tables, graphs, and charts. Major sections include live births, births to unmarried women, low weight births, fetal deaths, and births by the month prenatal care began. There are detailed tables indicating totals and ratios or rates by county, race, and selected age groupings for live births, births to unmarried women, low weight births, births for which congenital malformations were reported, fetal deaths, and infant deaths. The contents of this publication were increased in 1986 to include information on infant deaths and a comparison of selected information between Alabama and the United States. NOTE: Hard copies are available for all years except 1981, which is available only on microfiche.	Cost \$10.00

PUBLICATIONS AVAILABLE FROM THE CENTER FOR HEALTH STATISTICS-continued

MCH Selected Maternal and Child Health Statistics Cost \$10.00

This annual publication contains selected information on pregnancy and events related to pregnancy including live births, fetal deaths, perinatal deaths and infant deaths. Information on deaths to Alabama residents under 20 years of age is also included. Publication contents are intended to provide information to policy makers and planners on topics of interest in maternal and child health. This publication is a supplement to Alabama Vital Events, containing approximately 97 pages, and is available for 1993 through 1998.

(Additional publications on selected subjects are available upon request. The lower part of the page may be copied or detached and used as an order form. Please send check or money order made payable to the Center for Health Statistics along with your request since payment must be received prior to filling the order.)

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