

TENNESSEE VITAL STATISTICS 2012



**Tennessee Department of Health
Division of Policy, Planning and Assessment**



TENNESSEE
VITAL STATISTICS
for the Year
2012

STATE OF TENNESSEE
DEPARTMENT OF HEALTH
NASHVILLE

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TENNESSEE VITAL STATISTICS - 2012

INTRODUCTION

Data from vital records for Tennessee during 2012 is given in this *Vital Statistics* bulletin, the 86th in a series of annual reports.

An analysis of the vital statistics of Tennessee for the year 2012 is given in the Discussion of Vital Statistics in this bulletin. Following the analysis, summary tables are presented for the state for the 20 years 1993-2012, inclusive, and also detailed tables for 2012 for the state, the 95 counties, and the cities of 10,000 or more population.

The data in this bulletin includes all vital events occurring during 2012 which were reported to the Office of Vital Records of the Tennessee Department of Health as of April 15, 2013. Copies of certificates and reports for births, deaths, induced termination of pregnancies, and fetal deaths occurring to Tennessee residents in other states are forwarded to Tennessee in the interstate transfer of these certificates and reports. Thus, it is possible to compile birth, death, induced termination of pregnancy, and fetal death statistics for Tennessee residents. Since at the present time there is no interstate transfer of marriage and divorce certificates, resident data for these events is not available.

Recorded data are obtained by classifying certificates and reports according to the place of occurrence of birth, death, fetal death, induced termination of pregnancy, marriage, or divorce. For certain purposes, such as knowledge of the numbers of births or deaths occurring in hospitals, recorded data is desirable and is presented in some of the summary tables. Many residents of the state and of nearby states use health facilities in the large cities of Tennessee; consequently, the numbers of recorded births, deaths, and induced termination of pregnancies are large in these cities.

Resident data are compiled according to the usual place of residence of the person to whom the event occurred without regard to the geographic place where the event occurred.

Resident data are preferable to recorded data for comparing birth, death, and induced termination of pregnancy rates and ratios for the residents of the counties of Tennessee. Most of the statistics in this report are based on resident data.

On May 2, 1989, the marriage law (T.C.A. 36-3-103) was amended. Marriages for which the couple obtained a Tennessee marriage license but had a ceremony performed out-of-state are valid and are included in statistical analyses just as those with in-state ceremonies.

Beginning with the 1991 report, natality data are presented by race of mother. Before 1991, these data were presented by race of child. This change was implemented to be consistent with the National Center for Health Statistics (NCHS), which implemented the change in 1989.

A new Certificate of Live Birth was introduced in Tennessee on January 1, 2004 (modeled after the 2003 Revision of the United States Standard Certificate of Live Birth). This new certificate gives more detailed racial information along with changes to the medical and health information. Extreme caution is urged when comparing prenatal care data from 2004 and the years following with data from previous years. One substantive change in the revised certificate was the method of collecting information on prenatal care, including when the care began and the number of care visits. This change resulted in more 2004-2012 birth records with missing values than in previous years. As a result, records with missing values were not included in the percentages and numbers shown. Unless specified, the number of records excluded for this area was less than ten percent of the total live births.

The new Tennessee birth certificate implemented in 2004 follows the federal Office of Management and Budget (OMB) issued 'Revisions to the Standards for the Classification of Federal Data on Race and Ethnicity' race classification standards. These new standards allow for the multiple race reporting of mothers giving birth in the state. In order to make data on

race of mother in years 2004 and after compatible to race of mother in years 2003 and earlier it is necessary to 'bridge' the responses of those who reported more than one race to a single race. The methodological technique of 'bridge coding' imputes multiple race into a single race according to the combination of races, Hispanic origin, sex, and age on the birth certificate of the mother or father. The single year bridged coded race data is that which is employed in presenting Tennessee birth data in this *Vital Statistics* bulletin.

Many factors must be considered for the correct interpretation of vital statistics. Completeness and timeliness of registration are some of these factors. Because of concentrated efforts of the Tennessee Department of Health to record vital events, as well as the public's need for vital records, it is believed that most events in Tennessee are registered. Characteristics peculiar to a certain area, such as proximity to a military base, affect the vital statistics of that area. In addition, knowledge of the racial and age composition of the population is important for proper interpretation.

The population for Tennessee of 6,456,121 used in this bulletin was interpolated from the Census five-year age cohort estimates (CC-EST2011-ALLDATA-[ST-FIPS] May 2012) by the Division of Policy, Planning and Assessment. The elements of this census population were used for calculation of rates per population for the state and for the counties by race, sex, and/or age groups. Estimates for total city populations and city populations by race for 2012 were also calculated from the census five-year age cohort estimates. The population for Nashville was adjusted to reflect Metro-Nashville including all of Davidson County. Blacks are estimated to comprise 82.0 percent of the population of all nonwhite races in Tennessee during 2012.

It should be noted that the format of the population data has changed from that used prior to 1994. The data are now being presented using the racial categories of white and black rather than white and all other races. Time series data continue to use the broader racial categories of

white and all other races as used in previous editions.

Beginning in 1999, causes-of-death data, both nationally and at the state level, were coded, tabulated and presented according to the *Tenth Revision of the International Classification of Diseases (ICD-10)* classification system. This system was developed collaboratively with the World Health Organization (WHO) and is the required standard to be used within the United States. Such revisions in cause-of-death classifications are periodically made on an international basis to reflect new discoveries and advances in our knowledge of the etiology of diseases; to improve our ability to describe and measure emerging health problems; and for adaptation to changing definitions and nomenclature in the medical field.

Tennessee had previously classified deaths according to the *Ninth Revision of the International Classification of Diseases (ICD-9)* in its *Vital Statistics Bulletins* for the time period of 1979-1998, but in the 1999 *Vital Statistics Bulletin*, Tennessee began implementing *ICD-10*. Unlike previous revisions in the International Classification of Diseases in which the changes were relatively minor, *ICD-10* is radically different from its predecessor, *ICD-9*. Diseases are now coded in an alphanumeric, rather than numeric format. There are new cause-of-death definitions, coding structure, codes, and titles, and new ways of categorizing them. Some causes-of-death have been moved from one section to another. Where *ICD-9* classified causes-of-death into about 4000 categories, *ICD-10* expands them into about 8000 categories. Where *ICD-9* organized causes-of-death into 72 major groups, *ICD-10* organizes them into 113 major groups.

This edition of the *Vital Statistics Bulletin, 2012* incorporates all of these various changes in its data presentations and discussions. Comparisons of data for years prior to 1999 are somewhat difficult to make for many cause-of-death categories and continuity is not always assured. 'Bridge-coding' methodology techniques and utilizing comparability ratios to calculate comparability modified numbers of

deaths and death rates have been employed, where feasible and appropriate, to help mollify and reduce the impact of this discontinuity. Several tables showing trend data have been so modified. However, caution is still urged in interpreting these tables.

In addition to the *ICD-10* cause-of-death coding changes implemented with 1999 data, the National Center for Health Statistics also changed its age-adjusted rates age distribution standard. The new population standard for the age standardization of death rates is based upon the estimated 2000 United States population age distribution and replaced the standard based upon the estimated 1940 population age distribution. The results of this change in population distribution are that the age-adjusted rates presented in the 1999 and later editions of the

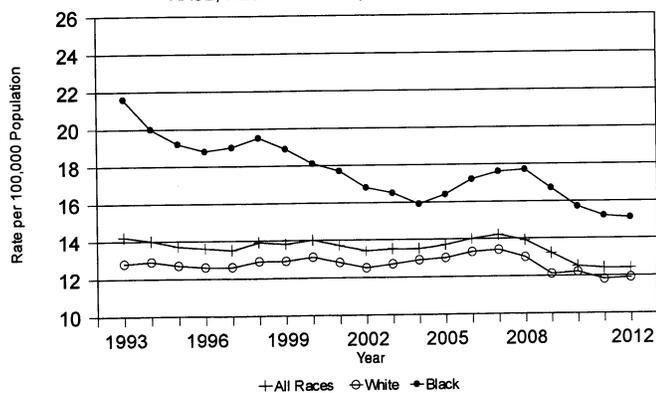
Vital Statistics Bulletin have differing scales of values than those age adjusted rates calculated for previous editions. In general the rates determined by the new age-adjustment methodology standard will be higher than those determined by the replaced standard. The rates are thus not comparable to any rates published in editions prior to 1999 and no comparison should be made.

Please note that a dash (-) used in place of a number of events means there were no events, and percents greater than or equal to 0.0 but less than 0.5 are indicated by 0.0. Rates based on births are not calculated when the number of births is less than 10. Death rates for specific causes are not calculated for white or all other races populations of less than 5,000. Numbers of events by race, gender, and age are not given if the population group presented is less than 50.

Births: During 2012, there were 80,202 live births to residents of Tennessee, yielding a birth rate of 12.4 per 1,000 population. The number of births showed an increase of 0.9 percent over the 79,462 births reported in 2011. The birth rate of 12.4 in 2012 remained the same as the rate for the preceding year.

In 2012, resident white births numbered 60,792, an increase of 0.9 percent over the 60,252 births in 2011. The birth rate of 11.9 per 1,000 white population increased 0.8 percent over the rate for 2011. The 16,560 births of blacks in 2012 represented an increase of 0.5 percent over the 16,482 births in 2011. The birth rate of 15.1 for the black population in 2012 was a decrease of 0.7 percent from the 2011 rate of 15.2. In 2012, the birth rate for the black population was 1.3 times the rate for the white population.

FIGURE 1. BIRTH RATES PER 1,000 POPULATION BY RACE, RESIDENT DATA, TENNESSEE, 1993-2012



Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

The trend of the birth rate for the past 20 years is shown in Figure 1. This trend may be described as generally downward, fluctuating throughout the period, 1993-2012. A low birth rate of 12.4 occurred in 2011 and 2012. The 1993 birth rate of 14.2 per 1,000 population was the highest for the 20-year period. From 2003-2007, the birth rate increased but then began to decrease in 2008. The record high birth rate of 26.7 occurred in 1947. The pattern of change in the birth rates for the white population was similar to the trend of the total birth rates throughout the 20 year period. Rates for the black population have remained at a higher level than the rates for the

white population but decreased from 21.6 in 1993 to 15.1 in 2012.

TABLE 1. NUMBER AND PERCENTAGE OF BIRTHS BY HISPANIC ORIGIN OF FATHER AND MOTHER, RESIDENT DATA, TENNESSEE, 2012

Ethnicity	Father		Mother	
	Number	Percent	Number	Percent
Total	80,202	100.0	80,202	100.0
Non-Hispanic	60,262	75.1	73,182	91.2
Hispanic	6,642	8.3	6,977	8.7
Mexican	4,298	5.4	4,500	5.6
Puerto Rican	303	0.4	303	0.4
Cuban	84	0.1	92	0.1
Other Hispanic	1,957	2.4	2,082	2.6
Hispanic status unknown	13,298	16.6	43	0.1

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Beginning in 1989, Hispanic origin of father and mother was added to the birth certificate. In 2012, 8.3 percent of fathers and 8.7 percent of mothers were of Hispanic origin (Table 1). The comparable percentages in 2011 were 8.2 for fathers and 8.8 for mothers. In 2012, unknown ethnicity was reported for 16.6 percent of fathers.

During the period 1993-2012, the number of females of childbearing age (15-44 years) in Tennessee increased by 9.3 percent. The general fertility rate (number of resident live births per 1,000 females 15-44 years of age) increased from 62.1 in 1993 to 62.5 in 2012, an increase of 0.6 percent. From 1993 to 2012, Tennessee age-specific fertility rate (number of live births to women of a specific age group per 1,000 female population in the same age group) decreased 16.9 percent for women aged 20-24 years, while for women aged 30-34 years the rate increased 30.4 percent. Women aged 15 to 34 years accounted for 92.2 percent of the births in 1993, and 89.2 percent of the resident births in 2012.

Census figures for 2010 show the state's population increased by 656,822 (11.5 percent) from 2000 to 2010, from 5,689,283 to 6,346,105. In 2012, 19,038 Tennesseans were added to the population as a result of natural increase, the excess of births over deaths (Table 2, page 5). The 2012 rate of natural increase was 2.9 persons per 1,000 population, a decrease from the 2011 rate. For the white population, the rate of natural increase was 1.6 per 1,000 population. For the black population, the rate

was 7.7; thus, the rate of natural increase for the black population was 4.8 times that of the white population.

TABLE 2. BIRTH AND DEATH RATES AND RATE OF NATURAL INCREASE PER 1,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 2012

	All Races	White	Black
Birth rate	12.4	11.9	15.1
Death rate	9.5	10.3	7.4
Rate of natural increase ...	2.9	1.6	7.7

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Of the 80,202 resident births in 2012, there were 41,196 males and 39,004 females. This gives a sex ratio of 1,056 male births to 1,000 female births, compared to a ratio of 1,037 in 2011.

During 2012, there were 2,593 resident live births occurring in multiple deliveries; 2,512 births were of twins, 77 births were of triplets, and 4 births were of quadruplets. The number of live births occurring in multiple deliveries may not be indicative of the number of sets of multiple births due to one or more members of a set not being born alive.

In 2012, of the total resident births, 79,175 or 98.7 percent occurred in hospitals. For white births, 59,842 or 98.4 percent occurred in hospitals, while for black births, 16,513 or 99.7 percent occurred in hospitals. Of the 1,027 births that were not delivered in hospitals, 71 were attended by a medical doctor, while 955 births were attended by a certified nurse-midwife, other midwife, or other type of attendant.

Table 3 shows the distribution of births according to birthweight. During 2012, low birthweight (less than 2,500 grams) babies accounted for 7,359, or 9.2 percent, of total live births. The proportion of low birthweight infants varied by race. Black births exhibited a much higher percentage of low weight births when compared with white births, 14.0 percent and 7.9 percent, respectively. The highest proportion of high birthweight (4,000 grams or more) infants was to whites with 8.1 percent, compared with 3.8 percent for black births.

For the 10-year period 2003-2012, the percentage of low birthweight infants in 2012 was lower than the percentage in 2003. The percentage of infants with very low birthweight (VLBW) (less than 1,500 grams) decreased for both white and black infants between the years 2003-2012.

TABLE 3. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO WEIGHT GROUP, BY RACE, RESIDENT DATA, TENNESSEE, 2012

Weight Group	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Total	80,202	100.0	60,792	100.0	16,560	100.0
Low birthweight	7,359	9.2	4,779	7.9	2,315	14.0
Under 1,000 grams	567	0.7	306	0.5	233	1.4
Under 500 grams	120	0.1	54	0.1	60	0.4
500-999 grams	447	0.6	252	0.4	173	1.0
1,000-1,499 grams	687	0.9	422	0.7	252	1.5
1,500-1,999 grams	1,463	1.8	964	1.6	461	2.8
2,000-2,499 grams	4,642	5.8	3,087	5.1	1,369	8.3
2,500-2,999 grams	15,674	19.5	10,718	17.6	4,366	26.4
3,000-3,499 grams	31,195	38.9	23,505	38.7	6,478	39.1
3,500-3,999 grams	20,202	25.2	16,816	27.7	2,746	16.6
4,000-4,499 grams	4,908	6.1	4,244	7.0	553	3.3
4,500 grams and over	813	1.0	706	1.2	82	0.5
Unknown weight	51	0.1	24	0.0	20	0.1

Totals may include one or more births with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

The occurrence of maternal and neonatal transfers reflects the recognition that some mothers and/or their infants require specialized treatment not available at all hospitals. The percentage of 2012 birth certificates indicating the mother was transferred prior to delivery was 0.6 (Table 4). Of these maternal transfers, 71.2 percent involved births under 2,500 grams. This compares with 9.2 percent low birthweight for all births, indicating that these transfers are occurring for high risk deliveries. In 2012, 1.3 percent of the birth certificates indicated the infant was transferred. Of these infants who were transferred, 43.2 percent weighed less than 2,500 grams.

TABLE 4. NUMBER AND PERCENTAGE OF BIRTHS IN TENNESSEE BY WEIGHT GROUP AND TRANSFER STATUS, RESIDENT DATA, TENNESSEE, 2012

Weight Group	Total Births	Baby Transferred		Mother Transferred	
		Number	Percent	Number	Percent
Total	80,202	1,033	1.3	469	0.6
Under 500 grams	120	3	2.5	12	10.0
500-999 grams	447	54	12.1	49	11.0
1,000-1,499 grams	687	90	13.1	66	9.6
1,500-1,999 grams	1,463	122	8.3	93	6.4
2,000-2,499 grams	4,642	177	3.8	114	2.5
2,500-3,499 grams	46,869	427	0.9	112	0.2
3,500-4,499 grams	25,110	140	0.6	21	0.1
4,500 grams and over	813	17	2.1	2	0.2
Unknown weight	51	3	5.9	-	-

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

In 2012, of the 80,202 resident births, 9.9 percent or 7,978 births occurred to mothers less than 20 years of age (Table 5). Of the 60,792 white births, 5,450 or 9.0 percent occurred to adolescent mothers less than 20 years of age, while 14.6 percent or 2,419 of the 16,560 births of black mothers were to adolescents. Of the total 80,202 resident births, 46,292 or 57.7 percent were to mothers aged 20-29 years; 57.0 percent of white births and 62.2 percent of births to black mothers occurred in this age group.

TABLE 5. NUMBER AND PERCENTAGE OF BIRTHS ACCORDING TO AGE AND RACE OF MOTHER, RESIDENT DATA, TENNESSEE, 2012

Age of Mother	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Total	80,202	100.0	60,792	100.0	16,560	100.0
Under 15 years	89	0.1	52	0.1	35	0.2
15-17 years	2,117	2.6	1,403	2.3	687	4.1
18-19 years	5,772	7.2	3,995	6.6	1,697	10.2
20-24 years	23,153	28.9	16,466	27.1	6,186	37.4
25-29 years	23,139	28.9	18,207	29.9	4,114	24.8
30-34 years	17,373	21.7	13,948	22.9	2,533	15.3
35-39 years	6,991	8.7	5,537	9.1	1,033	6.2
40-44 years	1,466	1.8	1,121	1.8	262	1.6
45 years and over	82	0.1	62	0.1	11	0.1

Totals may include items with race and/or age not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

In 2012, it was indicated on 72,062 or 89.9 percent of the birth certificates that the mother had received some prenatal care (Table 6). A mother was considered to have received prenatal care when the birth certificate contained information specifying the month that prenatal care began and a number of visits greater than zero. On 6,575 or 8.2 percent of the birth certificates, it could not be determined whether or not the mother had received prenatal care. On 2.0 percent or 1,565 certificates, the mother stated that no prenatal care was received. Newborns of 55,403 white mothers or 91.1 percent received prenatal care, and newborns of 14,375 black mothers or 86.8 percent received care.

For those who received care, 73.6 percent of white mothers began care during the first trimester of pregnancy, while only 64.1 percent of black mothers began care this early. As education increased, the mother was more likely to have begun care in the first trimester. Of the total women for all races receiving care who had an eighth grade education or less, 39.0 percent began care during the first trimester. In contrast, 84.9 percent of the college graduates receiving care began in the first trimester.

TABLE 6. LIVE BIRTHS BY NUMBER OF PRENATAL VISITS, BY MONTH PRENATAL CARE BEGAN AND BY RACE OF MOTHER, RESIDENT DATA, TENNESSEE, 2012

Number of Prenatal Visits	Total	Month of Pregnancy Prenatal Care Began				
		1st-3rd Month	4th-6th Month	7th-9th Month	No Care	Not Stated
All Races						
Total	80,202	51,555	17,054	3,453	1,565	6,575
No visits	1,565	-	-	-	1,565	-
1-4 visits	2,322	434	787	1,101	-	-
5-9 visits	15,056	6,613	6,636	1,807	-	-
10-14 visits	42,041	33,226	8,333	482	-	-
15-19 visits	10,584	9,452	1,083	49	-	-
20 or more visits	2,059	1,830	215	14	-	-
Not stated	6,575	-	-	-	-	6,575
White						
Total	60,792	40,761	12,260	2,382	745	4,644
No visits	745	-	-	-	745	-
1-4 visits	1,445	266	451	728	-	-
5-9 visits	10,552	4,744	4,542	1,266	-	-
10-14 visits	32,943	26,354	6,241	348	-	-
15-19 visits	8,698	7,823	845	30	-	-
20 or more visits	1,765	1,574	181	10	-	-
Not stated	4,644	-	-	-	-	4,644
Black						
Total	16,560	9,210	4,216	949	769	1,416
No visits	769	-	-	-	769	-
1-4 visits	807	158	313	336	-	-
5-9 visits	3,954	1,635	1,845	474	-	-
10-14 visits	7,729	5,791	1,820	118	-	-
15-19 visits	1,634	1,411	206	17	-	-
20 or more visits	251	215	32	4	-	-
Not stated	1,416	-	-	-	-	1,416

Totals may include one or more births with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

There was a slight inverse relationship between the number of previous pregnancies and the receipt of prenatal care. In 2012, for mothers with no previous pregnancies, 91.5 percent received prenatal care, while only 83.5 percent of those with six or more previous pregnancies received care.

In 2012, of the 80,202 resident live births in Tennessee, 35,400 or 44.1 percent were reported as births to unmarried mothers. This percentage was the same as the percentages of births to unmarried mothers in 2010 and 2011. Of the total number of resident births to unmarried mothers, 21,744 were white and 13,012 were black. Births to unmarried mothers accounted for 35.8 percent of white births in 2012, while 78.6 percent of black births were to unmarried mothers. Between 2011 and 2012, the percentage of live births to unmarried mothers of the white population increased 0.8 percent, while births to unmarried mothers of the black population decreased 0.1 percent.

Table 7 shows the percentage of births by race which were to unmarried mothers for the 20-year period, 1993-2012. The percentage of births to unmarried black mothers was 2.2 to 3.6 times those for white mothers throughout this time period. Of the total births, the percentage to unmarried mothers increased gradually from 33.6 percent in 1993 to a 20-year high in 2009 (44.5) and remained at 44.1 percent for 2010-2012.

TABLE 7. PERCENTAGE OF LIVE BIRTHS TO UNMARRIED WOMEN, BY RACE, RESIDENT DATA, TENNESSEE, 1993-2012

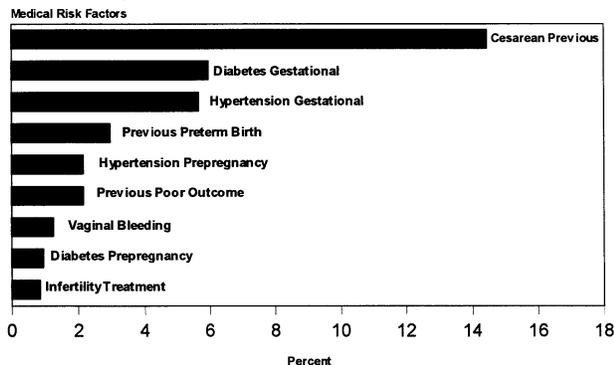
Year	All Races			Year	All Races		
	White	Black	Black		White	Black	Black
1993...	33.6	20.7	74.4	2003..	37.2	28.0	73.5
1994...	33.4	21.4	74.6	2004..	38.1	29.4	74.3
1995...	33.0	21.6	73.5	2005..	40.1	31.5	75.0
1996...	33.4	22.2	73.5	2006..	41.4	33.0	74.9
1997...	34.1	23.0	73.6	2007..	42.8	34.3	77.1
1998...	34.9	24.1	73.8	2008..	44.0	35.2	78.2
1999...	34.7	24.3	73.4	2009..	44.5	35.7	78.6
2000...	34.6	24.5	72.3	2010..	44.1	35.7	78.4
2001...	35.7	25.8	72.7	2011..	44.1	35.5	78.7
2002...	36.2	26.5	73.0	2012..	44.1	35.8	78.6

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

In 2012, there were 5,979 births recorded in Tennessee to mothers who were residents of other states, U.S. possessions, and foreign countries and 581 births recorded in other states to Tennessee mothers. The recorded birth rate of 13.3 per 1,000 population was higher than the resident rate of 12.4. In 2012, the recorded birth rate was higher than the 2011 rate of 13.2, while the 2012 resident rate remained the same as a the 2011 resident rate of 12.4.

The 2012 birth certificates provides information on demographic, behavioral, and medical factors influencing fertility and pregnancy outcomes. Analysis of certain medical risk factors relating to the mother may provide new insight into the causes of low birthweight and other adverse pregnancy outcomes. Figure 2 shows the distribution of risk factors occurring to Tennessee residents reported on

FIGURE 2. PERCENTAGE OF BIRTHS WITH REPORTED MEDICAL RISK FACTORS, RESIDENT DATA, TENNESSEE 2012

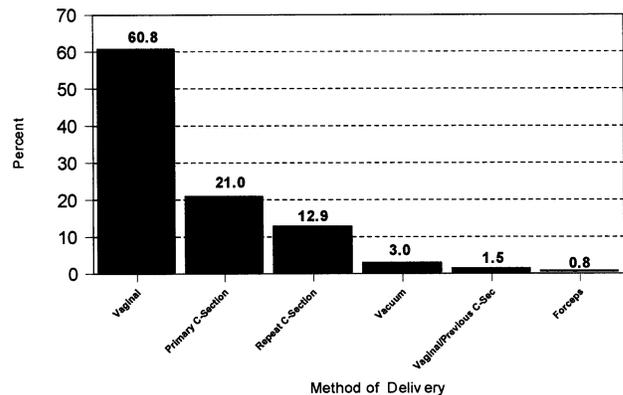


Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

2012 birth certificates. Of the total 80,202 live births, 69.9 percent reported 'none or unknown medical risk factor for this pregnancy'. The remaining 30.1 percent had one or more of the 19 risk factors listed on the certificate or specified the presence of an 'other risk factor'.

Data on method of delivery is shown in Figure 3. Vaginal delivery was by far the most common method of delivery, accounting for 60.8 percent of the births with method of delivery reported. Primary cesarean section (C-section) was next at 21.0 percent, followed by repeat C-section at 12.9 percent, vacuum at 3.0 percent, and forceps at 0.8 percent. Vaginal births after previous C-section accounted for another 1.5 percent of these births.

FIGURE 3. PERCENTAGE OF BIRTHS BY METHOD OF DELIVERY, RESIDENT DATA, TENNESSEE, 2012



Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

From 1993 to 2012, the percent of live births with primary cesarean section (C-section) deliveries increased 44.8 percent as shown in Table 8. The percent of repeat C-sections increased 59.3 percent over the same period.

TABLE 8. PERCENTAGE OF CESAREAN SECTION DELIVERIES, RESIDENT DATA, TENNESSEE, 1993-2012

Year	Primary C-Section		Year	Repeat C-Section	
	Primary C-Section	Repeat C-Section		Primary C-Section	Repeat C-Section
1993..	14.5	8.1	2003..	17.9	11.2
1994..	13.8	7.5	2004..	21.3	8.9
1995..	14.3	7.2	2005..	21.7	9.3
1996..	14.4	7.6	2006..	22.6	9.8
1997..	14.6	7.5	2007..	22.3	10.9
1998..	14.8	8.0	2008..	21.9	11.7
1999..	15.9	8.5	2009..	21.3	12.5
2000..	16.1	9.1	2010..	21.6	12.6
2001..	16.6	9.9	2011..	20.8	12.7
2002..	17.1	10.8	2012..	21.0	12.9

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE 9. NUMBER AND PERCENTAGE OF OBSTETRIC PROCEDURES REPORTED FOR BIRTHS, RESIDENT DATA, TENNESSEE, 2012

Obstetric Procedures	Number	Percent
Total	80,202	100.0
None	77,855	97.1
Cervical Cerclage	288	0.4
Tocolysis	1,974	2.5
Cephalic Successful	112	0.1
Cephalic Failed	41	0.1
Unknown	-	-
One or more procedures	2,347	2.9

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

The use of one or more obstetric procedures was reported for 2.9 percent of the 2012 births. For 77,855 births or 97.1 percent, no obstetric procedure was reported (Table 9).

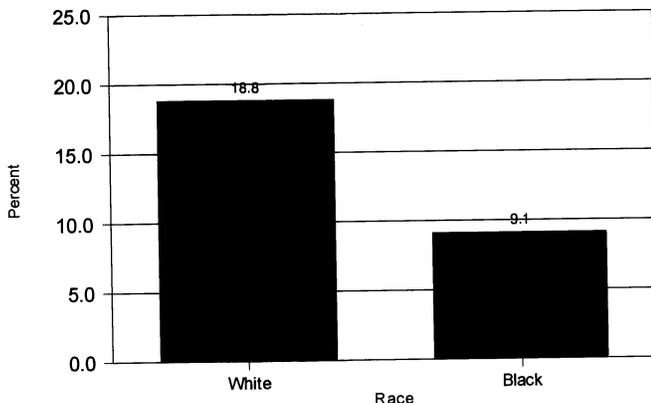
TABLE 10. REPORTED SMOKING DURING PREGNANCY, RESIDENT DATA, TENNESSEE, 2012

	Number	Percent
Total	80,202	100.0
Smoking during pregnancy - no	66,875	83.4
Smoking during pregnancy - yes	13,066	16.3
Smoking unknown	261	0.3

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Of the total births in 2012, smoking during pregnancy was reported by 16.3 percent of mothers (Table 10). This was a decrease from the 2011 number (13,493) and percent (17.0) of maternal smoking. Percentages for reported maternal smoking during pregnancy, by race, are shown in Figure 4. Of the white mothers, 18.8 percent smoked while 9.1 percent of the black mothers smoked.

FIGURE 4. PERCENTAGE OF BIRTHS WITH REPORTED MATERNAL SMOKING DURING PREGNANCY, BY RACE, RESIDENT DATA, TENNESSEE, 2012



Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

In 2012, there were 7,741 infants born with one or more 'abnormal conditions of the newborn' reported, or 9.7 percent of the total live births. The abnormal conditions with the highest rates per 1,000 live births were: newborn admitted to neonatal intensive care, 67.7 per 1,000 live births, assisted ventilation immediately after births, 36.7 per 1,000 live births; and antibiotics for suspected sepsis, 20.8 per 1,000 live births (Table II, page 29).

In 2012, there were 272 infants born with one or more congenital anomalies reported, or 0.3 percent of the total live births. Cyanotic congenital heart disease was the most common anomaly reported for white infants with 64 cases. For black infants, the most common anomaly was also cyanotic congenital heart disease with 7 cases (Table III, page 30). For many of the anomalies reported on birth certificates, rates vary widely according to maternal age. The rate for gastroschisis was (112.8) for mothers under 20 years of age, but declined to none for mothers aged 35-49 years.

For many of the congenital anomalies, rates tend to increase for older mothers. The rate for suspected chromosomal disorder Karyotype pending for mothers 25-34 years was 17.3 per 100,000 live births, but increased 3.8 times to 64.9 for women 40-49 years of age. For Down's syndrome Karyotype confirmed rates were 4.5 to 15.1 times as high for women aged 40-49 years as for women of age groups less than 40 years of age.

Fetal Deaths: As of July 1, 2010, the Vital Records Act of 1977 was amended so that a fetal death of 350 grams or more, or in the absence of weight, of 20 completed weeks of gestation or more is reportable to the Tennessee Department of Health.

During 2012, there were 650 fetal deaths reported for mothers who were residents of the state, increasing from 2011 when there were 609 fetal deaths. The changes in the weight and completed weeks of gestation (from 500 grams or more, or in the absence of weight of 22 completed weeks of gestation) have resulted in an increase in the number and ratio of fetal deaths since 2010.

TABLE 11. NUMBER AND PERCENTAGE OF FETAL DEATHS ACCORDING TO WEIGHT GROUP, BY RACE, RESIDENT DATA, TENNESSEE, 2012

Weight Group	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Total	650	100.0	385	100.0	245	100.0
Under 1,000 grams	380	58.5	212	55.1	156	63.7
1,000-1,499 grams	72	11.1	49	12.7	21	8.6
1,500-1,999 grams	44	6.8	31	8.1	12	4.9
2,000-2,499 grams	51	7.8	23	6.0	26	10.6
2,500 grams and over	97	14.9	67	17.4	27	11.0
Unknown weight	6	0.9	3	0.8	3	1.2

Totals may include one or more fetal deaths with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Of the 650 fetal deaths, reported as resident events, 98.3 percent were delivered in hospitals. During the past 20 years, there has been an increase in the percentage of fetal deaths delivered in hospitals similar to that for live births. The distribution of reported fetal deaths by weight at delivery in 2012 is given in Table 11. Of the 650 fetal deaths, 380 or 58.5 percent weighed under 1,000 grams, compared with 2011 when there were 317 deaths in this weight group. In 2012, of the 385 white fetal deaths, 212 or 55.1 percent weighed under 1,000 grams, compared to the 156 or 63.7 percent of the 245 black fetal deaths

TABLE 12. SELECTED CAUSES OF FETAL DEATHS WITH PERCENTAGES BY RACE, RESIDENT DATA, TENNESSEE, 2012

Cause of Fetal Death	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Total	650	100.0	385	100.0	245	100.0
Fetal death of unspecified cause (P95)	292	44.9	155	40.3	128	52.2
Fetus affected by complications of placenta, cord and membranes (P02)	142	21.8	92	23.9	45	18.4
Fetus affected by maternal complications of pregnancy (P01)	81	12.5	44	11.4	34	13.9
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	47	7.2	33	8.6	13	5.3
Fetus affected by maternal conditions that may be unrelated to present pregnancy (P00)	43	6.6	27	7.0	14	5.7
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	16	2.5	11	2.9	5	2.0
Transitory endocrine and metabolic disorders specific to fetus (P70-74)	7	1.1	6	1.6	1	0.4
Hydrops fetalis not due to hemolytic disease (P83.2)	7	1.1	7	1.8	-	-
Slow fetal growth and fetal malnutrition (P05)	4	0.6	2	0.5	2	0.8
Fetus affected by other complications of labor and delivery (P03)	3	0.5	3	0.8	-	-
Fetus affected by noxious influences transmitted via placenta (P04)	3	0.5	2	0.5	1	0.4

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Causes of fetal deaths were classified according to the *Tenth Revision International Classification of Diseases, 1999*. Table 12 shows selected underlying causes of the 650 fetal deaths by race in 2012.

Fetal death of unspecified cause accounted for 44.9 percent of fetal deaths for all races, 40.3 percent for the white race, and 52.2 percent for the black race. Fetus affected by complications of placenta, cord and membranes was the cause of 21.8 percent of the total fetal deaths in 2012.

Induced Termination of Pregnancy: In 2012, there were 12,122 induced termination of pregnancies (ITOP) performed on women who were residents of Tennessee. This corresponds to a ratio of 151.1 induced termination of pregnancies per 1,000 resident live births. Of the 12,122 Tennessee women obtaining an induced termination of pregnancy, 11,968 or 98.7 percent obtained the ITOP in Tennessee while the remaining 154 were obtained in other states.

TABLE 13. NUMBER OF INDUCED TERMINATION OF PREGNANCIES BY RACE OF WOMAN, WITH RATIOS PER 1,000 LIVE BIRTHS RESIDENT DATA, TENNESSEE, 2003-2012

Year	All Races		White		Black	
	Number	Ratio	Number	Ratio	Number	Ratio
2003	14,933	189.4	7,793	128.5	6,603	408.6
2004	13,902	174.7	7,079	114.4	6,119	387.6
2005	13,162	161.1	6,750	106.8	5,864	354.4
2006	14,218	168.6	7,068	109.8	6,372	365.7
2007	14,376	165.9	7,094	106.8	6,481	363.7
2008	14,245	166.6	6,910	106.2	6,625	365.1
2009	13,691	166.7	6,507	106.5	6,297	362.7
2010	12,573	158.5	5,829	96.9	5,939	357.8
2011	12,368	155.6	5,780	95.9	5,802	352.0
2012	12,122	151.1	5,430	89.3	5,921	357.5

Totals may include one or more events with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

There were 5,430 white women and 5,921 black women who obtained an ITOP in 2012. The ratio of induced termination of pregnancies per 1,000 live births was higher for black women than for white women (357.5 and 89.3, respectively) as shown in Table 13.

Of the Tennessee women obtaining an ITOP in 2012, 12.0 percent were 19 years of age or younger; 34.4 percent were from 20-24 years of age; and 52.8 percent were 25 years of age or older. This distribution varied slightly according to race as shown in Table 14, page 10.

TABLE 14. NUMBER AND PERCENT DISTRIBUTION OF INDUCED TERMINATION OF PREGNANCIES, BY AGE AND RACE OF WOMAN RESIDENT DATA, TENNESSEE, 2012

Age of Woman	All Races		White		Black	
	Number	Percent	Number	Percent	Number	Percent
Total	12,122	100.0	5,430	100.0	5,921	100.0
Under 15 years	57	0.5	26	0.5	28	0.5
15-17 years	438	3.6	194	3.6	223	3.8
18-19 years	962	7.9	439	8.1	466	7.9
20-24 years	4,174	34.4	1,815	33.4	2,141	36.2
25-29 years	3,123	25.8	1,408	25.9	1,522	25.7
30-34 years	1,975	16.3	860	15.8	979	16.5
35-39 years	980	8.1	456	8.4	427	7.2
40-44 years	310	2.6	178	3.3	111	1.9
45 years and over	16	0.1	11	0.2	4	0.1
Not stated	87	0.7	43	0.8	20	0.3

Totals may include one or more events with race not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Pregnancies: With the legalization of and resulting availability of induced termination of pregnancy data, it is important to look at total reported pregnancies to analyze fertility. The number of pregnancies is the sum of live births, reportable fetal deaths, and reported induced termination of pregnancies for women 10-49 years of age. Table 15, shows the number (age 10-19 years) of adolescent pregnancies with rates per 1,000 female population by race and age of woman for 2012. The rate for black adolescents was 1.8 times higher than the rate for the white adolescents (36.0 and 20.3, respectively).

TABLE 15. NUMBER OF PREGNANCIES AMONG WOMEN AGED 10-19 YEARS, BY RACE, WITH RATES PER 1,000 FEMALE POPULATION, RESIDENT DATA, TENNESSEE, 2012

Age	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
10-19 years	9,508	23.1	6,152	20.3	3,164	36.0
10-14 years	148	0.7	79	0.5	64	1.5
15-17 years	2,575	21.2	1,612	18.1	915	33.9
18-19 years	6,785	81.1	4,461	72.8	2,185	116.9

Totals may include one or more events with race and/or age not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Table 16, shows the number of pregnancies with rates per 1,000 female population by race and age of woman. The number of pregnancies for 2012 was 92,974 with a rate of 54.1 per 1,000 female population aged 10-49. The rates for black females were higher than or equal to the rates for white females in each age group except the 30-34 group. At age 10-14 years, the black pregnancy rate was three times the white rate (1.5 and 0.5, respectively). For the 15-17 age group, the rate of 33.9 for black females was almost two times higher than the rate of 18.1 for white females.

TABLE 16. NUMBER OF PREGNANCIES BY RACE AND AGE OF WOMAN, WITH RATES PER 1,000 FEMALE POPULATION RESIDENT DATA, TENNESSEE, 2012

Age of Woman	Total		Pregnancies		ITOP
	Number	Rate	Live Births	Fetal Deaths	
Total	92,974	54.1	80,202	650	12,122
10-14 years	148	0.7	89	2	57
15-17 years	2,575	21.2	2,117	20	438
15 years	338	8.3	255	1	82
16 years	767	19.0	620	7	140
17 years	1,470	36.3	1,242	12	216
18 years	2,626	63.8	2,218	18	390
19 years	4,159	98.0	3,554	33	572
20-24 years	27,516	121.3	23,153	189	4,174
25-29 years	26,452	124.4	23,139	190	3,123
30-34 years	19,462	91.3	17,373	114	1,975
35-39 years	8,024	39.4	6,991	53	980
40-44 years	1,799	8.1	1,466	23	310
45-49 years	92	0.4	76	-	16
White					
Total	66,607	50.8	60,792	385	5,430
10-14 years	79	0.5	52	1	26
15-17 years	1,612	18.1	1,403	15	194
15 years	201	6.7	169	1	31
16 years	462	15.7	389	6	67
17 years	949	32.1	845	8	96
18 years	1,718	57.0	1,531	9	178
19 years	2,743	87.9	2,464	18	261
20-24 years	18,389	109.1	16,466	108	1,815
25-29 years	19,727	121.7	18,207	112	1,408
30-34 years	14,887	91.7	13,948	79	860
35-39 years	6,020	38.1	5,537	27	456
40-44 years	1,311	7.5	1,121	12	178
45-49 years	69	0.4	58	-	11
Black					
Total	22,726	67.8	16,560	245	5,921
10-14 years	64	1.5	35	1	28
15-17 years	915	33.9	687	5	223
15 years	126	14.2	81	-	45
16 years	290	32.3	222	1	67
17 years	499	54.7	384	4	111
18 years	860	92.8	660	9	191
19 years	1,325	140.7	1,037	13	275
20-24 years	8,408	170.9	6,186	81	2,141
25-29 years	5,708	138.0	4,114	72	1,522
30-34 years	3,544	85.6	2,533	32	979
35-39 years	1,481	39.8	1,033	21	427
40-44 years	381	9.7	262	8	111
45-49 years	15	0.4	11	-	4

Totals may include one or more events with race and/or age not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

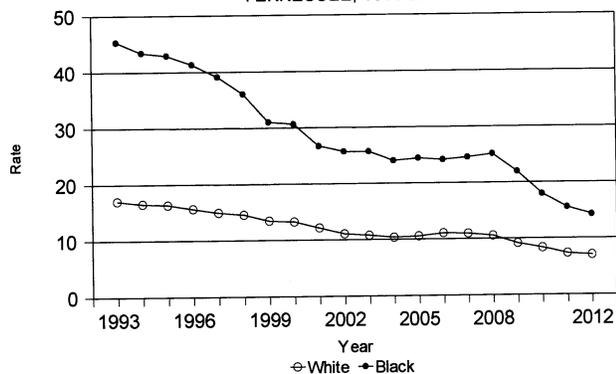
During 2012, 83.9 percent of the reported pregnancies to women under 20 years of age resulted in a live birth, 15.3 percent in an ITOP, and 0.8 percent in a fetal death.

The female population 10-17 years of age increased from 278,980 in 1993 to 328,208 in 2012, an increase of 49,228 or 17.6 percent. For the 20-year period, 1993-2012, the pregnancy rates among adolescents (10-17 years of age) decreased 63.8 percent, from 22.9 in 1993, to 8.3 in 2012. For white adolescents in this same age group and period of time, the pregnancy rates decreased 58.8 percent,

from 17.0 to 7.0, while the pregnancy rate for black adolescents decreased 68.7 percent from 45.3 in 1993 to 14.2 in 2012 (Figure 5).

In 2012, Tennessee's 10-17 pregnancy rate was the lowest (8.3) for the 20-year period 1993-2012. The rates for white and black adolescents were also the lowest for the 1993-2012 period.

FIGURE 5. PREGNANCY RATES AMONG ADOLESCENTS, AGED 10-17 YEARS, BY RACE, RESIDENT DATA, TENNESSEE, 1993-2012



Rate per 1,000 female population aged 10-17 years.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Deaths: Beginning with 1999 events, the underlying causes of deaths have been classified under the title numbers of the *Tenth Revision of the International Classification of Diseases*. For the period 1979-1998, data was classified under the title numbers of the *Ninth Revision of the International Classification*.

Because the *Tenth Revision* represents some major changes from the groupings of diseases in the *Ninth Revision*, some regrouping of deaths by cause for the years prior to 1999 has been made in this Bulletin. Data for selected causes of death given in Table IV, page 31, is shown according to category titles of the *Tenth Revision*. Comparability ratios have been applied for the years 1993-1998 in order to fit as nearly as possible the deaths by cause for these years into the same categories as those for 1999-2012. A correspondence of code numbers for the *Ninth* and *Tenth Revisions* along with the comparability ratio for each cause of death is shown in Appendix B of this Bulletin (page 111).

Caution should be exercised in making any comparison of mortality by cause for deaths for 1999-2012 with that for previous years.

During 2012, deaths to Tennessee residents numbered 61,164 an increase of 1.8 percent over the 60,104 deaths in 2011. The 2012 death rate of 9.5 per 1,000 population increased 1.1 percent over the rate of 9.4 in 2011. The average age at death for Tennesseans was 71.2 (67.8 for men and 74.6 for women). Four hundred fourteen Tennessee residents who died in 2012 were age 100 or older; the oldest age for males was 106 and for females was 109 years old.

In 2012, the 52,532 deaths among the white race showed an increase of 1.7 percent over the 51,638 deaths in 2011, while the 8,171 deaths among the black race decreased by 0.1 percent from the 8,178 deaths during 2011. For the white race in 2012, the death rate of 10.3 per 1,000 white population decreased from the rate of 10.1 for the preceding year. The death rate of 7.4 per 1,000 black population decreased from the rate of 7.6 in 2011.

Since death rates vary by age, the crude death rate is affected by the age composition of the population. In order to remove the effect of the changing age distribution of the population, age-adjusted death rates have been computed by race for the years 1993-2012 and are shown in Table 17 below and Figure 6, page 12. These adjusted rates were calculated using the direct method of age-adjustment

TABLE 17. AGE-ADJUSTED* DEATH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA TENNESSEE, 1993-2012

Year	All Races	White	All Other Races	Year	All Races	White	All Other Races
1993 ...	1000.3	956.2	1275.7	2003 ...	984.6	955.0	1160.3
1994 ...	1003.3	961.2	1269.2	2004 ...	940.7	914.6	1094.3
1995 ...	994.9	945.6	1313.5	2005 ...	949.1	919.5	1121.0
1996 ...	977.1	931.3	1274.2	2006 ...	924.9	896.6	1085.5
1997 ...	983.0	936.1	1293.9	2007 ...	895.6	868.7	1052.1
1998 ...	975.8	933.8	1259.3	2008 ...	907.3	885.4	1025.6
1999 ...	963.8	921.5	1249.8	2009 ...	882.2	861.7	993.6
2000 ...	994.1	963.7	1167.1	2010 ...	885.1	880.4	905.1
2001 ...	987.5	960.9	1135.3	2011 ...	872.7	865.9	894.4
2002 ...	988.9	956.4	1183.4	2012 ...	869.3	865.4	860.8

*Adjusted to age distribution of 2000 standard population of the United States, as used by the National Center for Health Statistics.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

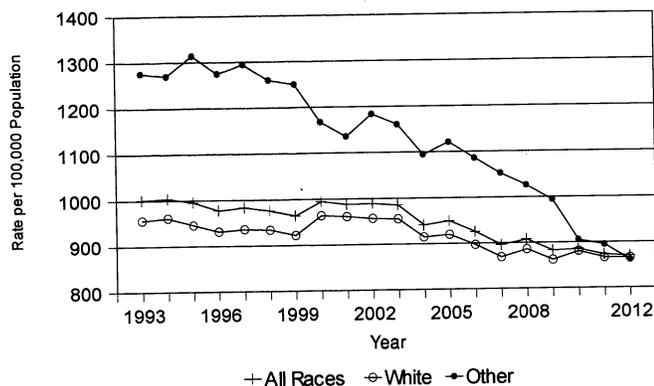
with the estimated population of the United States in 2000 as a standard. Tennessee's change from the 1940 standard is in response to recommended changes made by the National Center for Health Statistics and will result in rate values that differ from those previously published. The age-adjusted

death rate based on the year 2000 standard much more closely reflects the observed average risk of mortality represented by the crude death rate. The age-adjusted rate based on the year 2000 standard is larger because the 2000 population, which has an older age structure, gives more weight than the 1940 standard to death rates at the older ages where mortality is higher. Additionally, in order to conform to the National Center for Health Statistics data presentation formats, editions of the *Vital Statistics Bulletin* from 1999 forward are presenting age-adjusted rates per 100,000 population standard rather than the per 1,000 standard used in previous editions.

It should be further noted that in age-adjusted rates calculation in *Vital Statistics Bulletins* prior to the 1992 edition, a different age distribution was employed in the methodology. This factor likewise contributes to age-adjusted rates in these earlier editions having differing scales of values than the age-adjusted rates currently being determined. The age-adjusted rates presented in this edition of the *Vital Statistics Bulletin* are thus not comparable to any rates published in editions prior to 1999 and no comparison should be made.

The adjusted rate for 2012 was 13.1 percent lower than the 2000 standard age-adjusted rate for 1993, while the crude death rate for 2012 was 1.0 percent lower than the crude death rate for 1993. In comparison to 1993, there was an increased number of older persons in the 2012 population among whom the risk of death is greatest. By comparing only crude death rates, the progress made in reducing mortality since 1993 is concealed due to the increasing proportion of older people in the population.

FIGURE 6. AGE-ADJUSTED DEATH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1993-2012



Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

From 1993 to 2012, the age-adjusted death rate for the white population declined by 9.5 percent, while the rate for all other races showed a 32.5 percent decline. The age-adjusted death rate for all other races in 2012 was 0.5 percent lower than that for the white population; whereas, the comparison of the crude death rate for the white population was 63.5 percent higher than the rate for the other races population.

TABLE 18. DEATH RATES PER 1,000 POPULATION, BY RACE GENDER AND AGE, RESIDENT DATA, TENNESSEE, 2012

Age Group	All Races		White		Black		
	Total	Total	Male	Female	Total	Male	Female
All ages	9.5	10.3	10.5	10.1	7.4	8.2	6.8
Under 1 year+	7.2	5.9	6.2	5.5	12.1	13.8	10.3
1-4 years	0.3	0.3	0.3	0.3	0.4	0.4	0.4
5-9 years	0.1	0.1	0.1	0.1	0.1	0.2	0.1
10-14 years	0.1	0.1	0.1	0.1	0.2	0.2	0.2
15-19 years	0.7	0.7	0.9	0.4	0.8	1.3	0.4
20-24 years	0.9	0.9	1.2	0.5	1.3	1.9	0.6
25-29 years	1.2	1.2	1.6	0.8	1.5	2.2	0.8
30-34 years	1.4	1.3	1.8	0.9	1.9	2.3	1.5
35-44 years	2.4	2.4	2.8	1.9	2.6	3.2	2.1
45-54 years	5.6	5.6	7.0	4.3	6.2	8.2	4.6
55-64 years	11.0	10.6	13.4	7.9	14.3	18.7	10.7
65-74 years	21.9	21.4	25.6	17.6	28.1	36.0	22.3
75-84 years	53.9	54.1	63.0	47.6	56.3	74.5	46.3
85 years and over	149.0	151.4	165.7	144.8	136.4	157.7	128.1

+Rate per 1,000 live births.

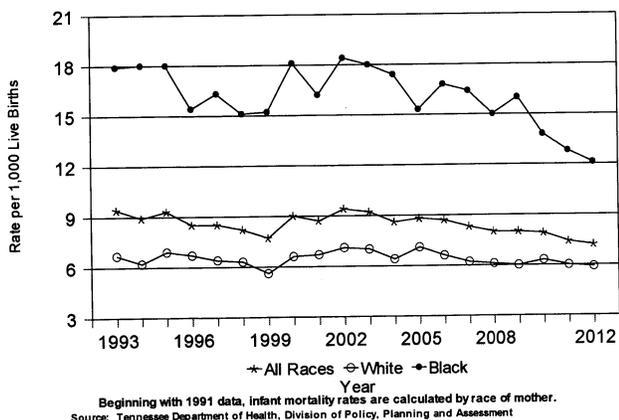
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Age-specific death rates by race and sex for 2012 are given in Table 18. In the total population, death rates were high during infancy but were low during childhood years. After 44 years of age, the rates increased sharply and were at the highest level for persons in the 85 years and over age group. The rates for the black population were at a higher or equal level than those for the white population in every age group except 85 years and older. Mortality rates for white males were higher than or equal to the rates for white females for all age groups. Mortality rates for black males were also higher than or equal to the rates for black females. Males of both races ages 20-29 years experienced death rates at or over two times as high as their female counterparts.

In 2012, the number of deaths to Tennessee residents was 61,164 or 4,107 fewer than the 65,271 deaths recorded in the state. There were more deaths of nonresidents occurring in Tennessee (4,670) than there were deaths of Tennessee residents occurring out of state (563).

Infant Mortality: In Tennessee during 2012, there were 576 resident infant deaths. The infant mortality rate of 7.2 per 1,000 live births decreased 2.7 percent from the rate of 7.4 for 2011. The number of infant deaths was 1.9 percent lower than the 587 infant deaths in 2011. Figure 7 gives infant mortality rates for the past 20 years. The number of infant deaths and the mortality rates for the years 1993-2012 are given in Table I, page 28.

FIGURE 7. INFANT MORTALITY RATES PER 1,000 LIVE BIRTHS, BY RACE, RESIDENT DATA, TENNESSEE, 1993-2012



Beginning with 1991 data, infant mortality rates are calculated by race of mother.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

White infant deaths decreased from 361 deaths in 2011 to 357 deaths in 2012, while black infant deaths decreased from 211 deaths in 2011 to 200 deaths in 2012. The corresponding infant mortality rates in 2012 were 5.9 for white infants and 12.1 for black infants.

In 2012, there were 320 male infant deaths and 255 female infant deaths. The mortality rate of 7.8 per 1,000 live births experienced by male infants was 20.0 percent higher than the rate of 6.5 for female infants.

Table 19 presents selected causes of infant deaths during 2012 based upon ICD-10 categories. Among the 576 infant deaths for Tennessee residents, the leading cause of infant mortality was attributed to congenital malformations, deformations and chromosomal abnormalities with 109 deaths and a rate of 1.4 per 1,000 live births. This was also the leading cause of death for white infant mortality, with 69 deaths and a rate of 1.1. For black infants

the leading cause of death was disorders relating to short gestation and low birthweight not elsewhere classified with 41 deaths and a rate of 2.5.

TABLE 19. SELECTED CAUSES OF INFANT DEATHS WITH RATES PER 1,000 LIVE BIRTHS, BY RACE, RESIDENT DATA TENNESSEE, 2012

Cause of Infant Death	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
Total	576	7.2	357	5.9	200	12.1
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	109	1.4	69	1.1	34	2.1
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	81	1.0	38	0.6	41	2.5
Accidents (V01-X59, Y85-Y86)	38	0.5	30	0.5	8	0.5
Newborn affected by maternal complications of pregnancy (P01)	26	0.3	10	0.2	15	0.9
Sudden infant death syndrome (R95)	25	0.3	16	0.3	8	0.5
Disorders of the circulatory system (I00-I99)	21	0.3	17	0.3	3	0.2
Respiratory distress of newborn (P22)	19	0.2	13	0.2	5	0.3
Atelectasis (P28.0-P28.1)	14	0.2	13	0.2	1	0.1
Newborn affected by complications of placenta, cord and membranes (P02)	12	0.1	10	0.2	2	0.1
Bacterial sepsis of newborn (P36)	11	0.1	8	0.1	3	0.2

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Sudden infant death syndrome decreased to the fifth leading cause of death for all races combined with 25 deaths and a rate of 0.3. For white and black infants, the numbers for sudden infant death syndrome were 10 and 15, respectively.

Mortality rates per 1,000 live births for black infants were higher than or equal to those for white infants for the selected causes of death listed in Table 19 except for disorders of the circulatory system; atelectasis; and newborn affected by complications of placenta, cord and membranes.

Infant deaths by age at death and by race with rates per 1,000 live births are shown for 2012 in Table 20, page 14. Of the 576 infant deaths, 59.9 percent or 345 occurred during the neonatal period, the first 27 days of life. The neonatal mortality rate in 2012 was 4.3 per 1,000 live births, a decrease from 2011. Of the 345 neonatal deaths, 214 or 62.0 percent occurred among babies under 1 day of age, and an additional 63 or 18.3 percent died at 1-6 days of age; thus, 80.3 percent of the neonatal deaths occurred within the first week of life.

TABLE 20. NUMBER OF INFANT DEATHS BY AGE AT DEATH
WITH RATES PER 1,000 LIVE BIRTHS, BY RACE
RESIDENT DATA, TENNESSEE, 2012

Age at Death	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
Total, under 1 year*	576	7.2	357	5.9	200	12.1
Neonatal (under 28 days)	345	4.3	206	3.4	130	7.9
Under 1 day	214	2.7	117	1.9	92	5.6
1-6 days	63	0.8	44	0.7	18	1.1
7-27 days	68	0.8	45	0.7	20	1.2
Under 1 month	345	4.3	206	3.4	130	7.9
1 month	63	0.8	44	0.7	18	1.1
2 months	45	0.6	26	0.4	16	1.0
3 months	44	0.5	28	0.5	15	0.9
4 months	22	0.3	11	0.2	8	0.5
5 months	22	0.3	16	0.3	5	0.3
6 months	11	0.1	7	0.1	3	0.2
7 months	6	0.1	4	0.1	2	0.1
8 months	7	0.1	6	0.1	1	0.1
9 months	2	0.0	2	0.0	-	-
10 months	7	0.1	5	0.1	2	0.1
11 months	2	0.0	2	0.0	-	-

*Total may include deaths with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Of the 345 neonatal deaths in 2012, white infants accounted for 206 deaths and black infants, 130; corresponding rates were 3.4 per 1,000 white live births and 7.9 per 1,000 live births for blacks. The neonatal mortality rate for black infants was 2.3 times as high as that for white infants. This racial differential represented a slight increase for black infants from the 2011 rate of 7.8, while the white rate decreased from the rate of 3.7.

The two leading causes of death in the neonatal period were congenital malformations, deformations and chromosomal abnormalities with 84 deaths followed by disorders relating to short gestation and low birthweight not elsewhere classified with 80 deaths.

Mortality in the postneonatal period was much lower than in the neonatal period. In 2012, there were 231 postneonatal deaths with a rate of 2.9 per 1,000 live births. The postneonatal mortality rate of 2.5 per 1,000 live births for white infants increased by 8.7 percent over the rate of 2.3 in 2011. The 2012 postneonatal mortality rate of 4.2 for black infants decreased 16.0 percent from the comparable rate of 5.0 in the preceding year.

The two leading causes of death in the postneonatal period were accidents with 35 deaths followed by congenital malformations, deformations and chromosomal abnormalities with 25 deaths.

Maternal Mortality: Thirty seven Tennessee mothers were reported to have died from pregnancy, childbirth and the puerperium in 2012, giving a maternal mortality rate of 4.6 per 10,000 live births. Changes to the death system resulted in better collection of maternal mortality data causing an increase in maternal deaths in 2012. Because of the small numbers for maternal deaths, no comparability ratios were available for this cause. However, any increase in number or rate for 1999 and later years from those of previous years could be the results of ICD-10 cause of death changes and the expanded length of reporting period for maternal deaths. Twenty two of the maternal deaths in 2012 were to white females and fifteen deaths were to black females.

Leading Causes of Death: The groupings of leading causes of death in the tables that follow are in accordance with national recommendations and the *Tenth Revision International Classification of Diseases, 1999*.

The seven leading causes of death (as shown in Table 21, page 15) accounted for 42,068 or 68.8 percent of the total 61,164 deaths of Tennessee residents in 2012. Five of the seven leading causes showed decreases in the death rates from 2011 to 2012. The death rate in 2012 for cerebrovascular diseases showed the largest decrease, 7.6 percent lower than the rate of 50.1 in 2011. Other decreases were as follows: Alzheimer's disease, 7.2 percent; accidents, 3.8 percent; chronic lower respiratory diseases, 0.5 percent; and diseases of heart, 0.2 percent. The leading causes of death that showed increases in the rates from 2011 were diabetes mellitus with an increase of 4.1 percent and malignant neoplasms, 0.5 percent.

The seven leading causes of death for males and females in 2012 are shown in Table 22, page 15. Of the leading causes common to both genders, death rates were higher for males than females with the exception of cerebrovascular diseases and chronic lower respiratory diseases. Of the leading causes for which death rates for the male population were higher than those of the female population the greatest relative excess was for accidents where the

TABLE 21. LEADING CAUSES OF DEATH WITH RATES PER 100,000 POPULATION, RESIDENT DATA TENNESSEE, 2012

Cause of Death	Deaths	
	Number	Rate
All causes	61,164	947.4
1. Diseases of heart (I00-I09, I11, I13, I20-I51)	14,245	220.6
2. Malignant neoplasms (C00-C97)	13,633	211.2
3. Chronic lower respiratory diseases (J40-J47)	3,658	56.7
4. Accidents (V01-X59, Y85-Y86)	3,302	51.1
Motor vehicle accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0-V89.2)	958	14.8
5. Cerebrovascular diseases (I60-I69)	2,991	46.3
6. Alzheimer's disease (G30)	2,416	37.4
7. Diabetes mellitus (E10-E14)	1,823	28.2

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

rate for males was 1.6 times that for females. In contrast, the 2012 cerebrovascular diseases death rate for females was 1.3 time the rate for males.

TABLE 22. LEADING CAUSES OF DEATH WITH RATES PER 100,000 POPULATION, BY GENDER, RESIDENT DATA TENNESSEE, 2012

Cause of Death	Deaths	
	Number	Rate
Male		
All causes	30,767	977.1
1. Diseases of heart (I00-I09, I11, I13, I20-I51)	7,498	238.1
2. Malignant neoplasms (C00-C97)	7,413	235.4
3. Accidents (V01-X59, Y85-Y86)	2,017	64.1
Motor vehicle accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0-V89.2)	707	22.5
4. Chronic lower respiratory diseases (J40-J47)	1,702	54.1
5. Cerebrovascular diseases (I60-I69)	1,254	39.8
6. Diabetes mellitus (E10-E14)	934	29.7
7. Intentional self-harm (X60-X84, Y87.0)	753	23.9
Female		
All causes	30,395	919.0
1. Diseases of heart (I00-I09, I11, I13, I20-I51)	6,747	204.0
2. Malignant neoplasms (C00-C97)	6,219	188.0
3. Chronic lower respiratory diseases (J40-J47)	1,956	59.1
4. Alzheimer's disease (G30)	1,745	52.8
5. Cerebrovascular diseases (I60-I69)	1,737	52.5
6. Accidents (V01-X59, Y85-Y86)	1,285	38.9
Motor vehicle accidents (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0-V89.2)	251	7.6
7. Diabetes mellitus (E10-E14)	889	26.9

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Table V, page 41, gives detailed information regarding cause of death by race, sex, and age. Mortality by cause differed by age group and race. (See Table VI, page 47, for leading causes of death for eight age groups.) For the first four age groups, only five causes are shown due to the small numbers of deaths involved. For the four older age groups, the larger numbers of deaths make the listing of seven causes meaningful. During 2012, there were 209 deaths of children 1-14 years of age with a rate of 18.0 per 100,000 population. There were 150 deaths among white children with a rate of 17.5 per 100,000 white population and 53 deaths among black children with a rate of 22.7. Deaths of Tennessee children in this age group were primarily due to the following causes: accidents, 28.7 percent; and malignant neoplasms, 13.4 percent. Congenital malformations, deformations, and chromosomal abnormalities and assault (homicide) (9.1 percent) tied for the third leading cause of death. The fifth cause was diseases of heart (3.3 percent).

In the 15-24 year age group, the leading cause of death was accidents with 300 or 42.3 percent of the 709 deaths and a rate of 34.2. Assault (homicide), was the second leading cause of death, followed by intentional self-harm (suicide), malignant neoplasms, and diseases of heart. It is noteworthy that 72.1 percent of the leading causes of death in this age group were from external causes which are potentially preventable.

For the age group 25-34 years, the leading cause of death was again accidents with 33.5 percent, followed by intentional self-harm (suicide) with 12.6 percent. The third cause was assault (homicide), with 10.2 percent; followed by diseases of heart, with 8.7 percent; and malignant neoplasms, was fifth with 6.7 percent. In this age group, 56.3 percent of the leading causes of death were from external causes.

In the 35-44 year age category, accidents ranked as the leading cause of death with 22.8 percent of the deaths. Diseases of heart ranked second with 16.2 percent, followed by malignant neoplasms with 13.8 percent. Intentional self-harm (suicide) accounted for 7.9 percent of the deaths in this age group, while diabetes mellitus ranked fifth with 3.7 percent. In contrast to the 15-24 year age group, only 30.8 percent of the deaths in the 35-44 age group were

from external causes. Leading causes of death from external causes accounted for 45.5 percent of the deaths of persons 1-44 years of age.

In the age group 45-64 years, the leading cause of death was malignant neoplasms, accounting for 4,185 or 29.6 percent of deaths in this age group. Diseases of heart ranked second with 23.0 percent, followed by accidents. Chronic lower respiratory diseases was the fourth leading cause of death. Diabetes mellitus and cerebrovascular diseases ranked fifth and sixth, respectively, for ages 45-64 years. Chronic liver disease and cirrhosis was the seventh leading cause of death for this age group in 2012.

Malignant neoplasms was the leading cause of death in the 65-74 year age group with 3,894 deaths or 33.2 percent followed by diseases of heart with 2,689 or 22.9 percent. Chronic lower respiratory diseases ranked third, followed by cerebrovascular diseases, diabetes mellitus, accidents, and influenza and pneumonia.

For the age group 75-84 years, diseases of heart ranked first for the leading cause of death with a total of 3,410 deaths or 22.9 percent. Malignant neoplasms with 3,364 deaths or 22.6 percent of the deaths ranked second, followed by chronic lower respiratory diseases, cerebrovascular diseases, Alzheimer's disease, diabetes mellitus, and accidents.

For the age group 85 years and over, 4,436 deaths or 28.0 percent were attributed to diseases of heart. Malignant neoplasms and Alzheimer's disease ranked second and third, respectively, in the 85 years and over age group. Cerebrovascular diseases ranked fourth followed by chronic lower respiratory diseases, and influenza and pneumonia. The seventh leading cause in this age group was accidents.

Diseases of Heart: Diseases of heart, the leading cause of death in the state during 2012, accounted for 14,245 deaths, corresponding to a rate of 220.6 per 100,000 population. Deaths due to this cause in 2012 showed an increase of 0.6 percent over the 14,154

deaths in 2011, while the rate decreased by 0.2 percent from the 2011 rate of 221.0. Of the total number of deaths reported due to diseases of heart in 2012, there were 9,874 deaths or 69.3 percent classified as ischemic heart disease.

Malignant Neoplasms: Malignant neoplasms (cancer) of all types claimed the lives of 13,633 Tennesseans in 2012. Cancer was responsible for 22.3 percent of all deaths in the state in 2012, and was the second leading cause of death. The crude rate for cancer in Tennessee was 211.2 deaths per 100,000 population. The number of deaths in 2012 reflected an increase over the 13,461 deaths in 2011, while the death rate increased 0.5 percent over the rate of 210.2 during the preceding year. The white population experienced 11,592 deaths from this cause, corresponding to a rate of 226.5 while deaths of black persons numbered 1,935 with a rate of 176.3. Comparable death rates for the white population and the black population in 2011 were 224.6 and 180.1, respectively. Thus, the death rate for white persons increased 0.8 percent from 2011 to 2012, while the rate for black persons decreased 2.1 percent.

TABLE 23. NUMBER OF DEATHS FROM MALIGNANT NEOPLASMS ACCORDING TO SELECTED SITE, WITH RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA TENNESSEE, 2012

Site	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
Total	13,633	211.2	11,592	226.5	1,935	176.3
Lip, oral cavity, and pharynx (C00-C14)	210	3.3	180	3.5	30	2.7
Digestive organs (C15-C26)	3,193	49.5	2,643	51.6	515	46.9
Respiratory and intrathoracic organs (C30-C39)	4,445	68.8	3,844	75.1	569	51.8
Bone and articular cartilage (C40-C41)	24	0.4	20	0.4	4	0.4
Melanoma and other malignant neoplasms of skin (C43-C44)	317	4.9	303	5.9	12	1.1
Mesothelial and soft tissue (C45-C49)	149	2.3	132	2.6	15	1.4
Breast (C50)	916	14.2	733	14.3	177	16.1
Female genital organs (C51-C58)##	605	18.3	499	19.2	101	17.4
Male genital organs (C60-C63)##	561	17.8	440	17.5	119	22.9
Urinary tract (C64-C68)	609	9.4	550	10.7	56	5.1
Eye and adnexa (C69)	14	0.2	13	0.3	1	0.1
Meninges, brain and other parts of central nervous system (C70-C72)	332	5.1	308	6.0	22	2.0
Thyroid and other endocrine glands (C73-C75)	47	0.7	41	0.8	5	0.5
Other and unspecified sites (C76-C80, C97)	934	14.5	793	15.5	134	12.2
Lymphoid, hematopoietic and related tissues (C81-C96)	1,277	19.8	1,093	21.4	175	15.9

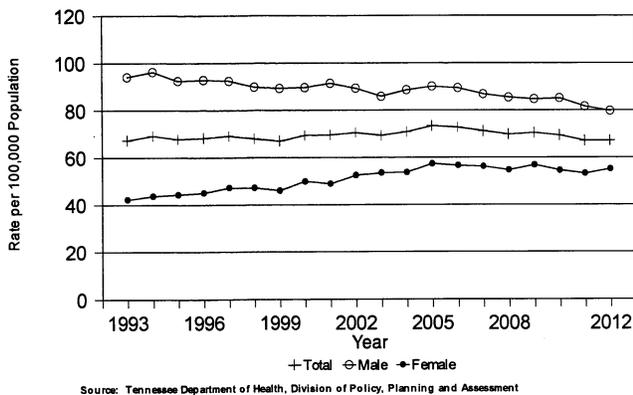
##Rate per sex-specific population.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Mortality from cancer varied according to primary site (as shown in Table 23, page 16). In 2012, the most frequently stated primary site was the respiratory and intrathoracic organs for which the death rate was 68.8 per 100,000 population. The digestive organs, for which the death rate in 2012 was 49.5, ranked second. These two sites accounted for 7,638 deaths or 56.0 percent of all deaths from cancer in 2012. For the sites breast, and male genital organs; the 2012 rates were higher for the black race than for the white race. All other sites had rates that were higher or equal for the white population.

The crude mortality rates for cancer for most of the major primary sites have remained fairly constant over the 20-year period 1993-2012 (Table IV, page 32). For the site trachea, bronchus, and lung, however, greater increases for females have been noted (Figure 8). The total cancer death rate for trachea, bronchus, and lung slightly decreased from 67.2 per 100,000 population in 1993 to 67.1 in 2012. The female mortality rate for this site increased by 30.3 percent in the 20 years, from a rate of 42.2 to a rate of 55.0 per 100,000 female population, while the comparable male mortality rate decreased by 15.3 percent, from a rate of 94.1 to a rate of 79.7 per 100,000 male population.

FIGURE 8. DEATH RATES PER 100,000 POPULATION FOR MALIGNANT NEOPLASMS OF THE TRACHEA, BRONCHUS AND LUNG, BY GENDER, RESIDENT DATA, TENNESSEE, 1993-2012



The sites of the most common cancers among resident males and females in Tennessee during 2012 were trachea, bronchus, and lung combined; prostate; breast; and colon, rectum, and anus combined. From these sites, trachea, bronchus and lung combined

claimed the lives of 4,329 Tennesseans in 2012 and accounted for 31.8 percent of all cancer deaths (Table 24). Cancer of the colon, rectum, and anus caused 1,201 deaths, followed by breast cancer (916 deaths), and prostate cancer (545 deaths).

Among males, trachea, bronchus, and lung combined accounted for 2,511 deaths in 2012, a decrease from the 2,547 deaths in 2011. During 2012, cancer of the colon, rectum, and anus caused 645 deaths, followed by prostate cancer with 545 deaths. Among females, trachea, bronchus, and lung combined resulted in 1,818 deaths; followed by cancer of the breast with 905 deaths; and cancer of the colon, rectum, and anus with 556 deaths.

TABLE 24. SELECTED CAUSES OF DEATH FROM MALIGNANT NEOPLASMS WITH RATES PER 100,000 POPULATION BY GENDER, RESIDENT DATA TENNESSEE, 2012

Site	Male	
	Number	Rate
Trachea, bronchus, and lung (C33-C34)	2,511	79.7
Prostate (C61)	545	17.3
Colon, rectum, and anus (C18-C21)	645	20.5
		Female
Trachea, bronchus, and lung (C33-C34)	1,818	55.0
Breast (C50)	905	27.4
Colon, rectum, and anus (C18-C21)	556	16.8

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Cerebrovascular Diseases: In 2012, deaths from cerebrovascular diseases, the fifth leading cause of death, numbered 2,991 corresponding to a rate of 46.3 per 100,000 population. Among the white population, deaths from this cause numbered 2,485 with a rate of 48.6; among the black population, there were 471 deaths with a rate of 42.9. The death rate for the white population decreased 8.0 percent, while the rate for the black population showed a decrease of 7.1 percent from the comparable rate in 2011.

For the years 1993-2012, the death rate for cerebrovascular diseases has been higher for females than males for both white and all other races population.

Accidents: Accidents, the fourth leading cause of death, resulted in the deaths of 3,302 Tennessee residents during 2012, corresponding to a rate of 51.1 per 100,000 population. The number of deaths showed a decrease of 2.9 percent from the 3,400 deaths in 2011, while the rate decreased 3.8 percent from the rate of 53.1 for the preceding year.

For all ages combined, the accidental death rate for males was 1.6 times that for females. The excess mortality in males over females was observed in each five-year age/race population group except for the black population under 5 years of age; and the white population age groups 1-4 and 75 years and older. The increased mortality from accidents among young people, particularly white males 15-24 years of age, was associated with the high incidence of motor vehicle accidents.

Comparison of mortality from accidents by race and sex, as shown in Table IV, page 39, indicates that the death rate for males of other races, all ages combined, was 47.3 percent lower than the comparable rate for white males. The death rate for white females, all ages combined, was 2.9 times higher than the rate for females of other races.

Data on 2012 mortality from accidents according to type of accident is given in Table 25. There were 958 deaths due to motor vehicle accidents. The next four most frequently reported types of fatal accidents were: poisoning by and exposure to drugs and other biological substances, 909; falls, 590; inhalation and ingestion of food or other objects causing obstruction of respiratory tract, 132; and drowning and submersion, 74.

In Table 26, the distribution of accidental deaths is shown according to motor vehicle and other accidents by age. Motor vehicles accounted for 29.0 percent of all accidental deaths. The death rate for motor vehicle accidents was highest for persons aged 85 years and older followed by the age groups 20-24 and 75-84. For the 20-24 age group, the motor vehicle rate (24.8) increased 6.4 percent over the rate of 23.3 in 2011. For other accidents high rates occurred for persons 75 years and older with the rate increasing to 384.4 for persons 85 years and older. Falls accounted for 414 of the accidental deaths for persons 75 years and older.

TABLE 25. NUMBER OF DEATHS FROM ACCIDENTS ACCORDING TO TYPE OF ACCIDENT WITH RATES PER 100,000 POPULATION, RESIDENT DATA TENNESSEE, 2012

Type of Accident	Deaths	
	Number	Rate
Total	3,302	51.1
Motor vehicle (V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0- V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0-V89.2)	958	14.8
Other land transport (V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9)	16	0.2
Water transport (V90-V94)	6	0.1
Air and space transport (V95-V97)	4	0.1
Other and unspecified transport (V98-V99, Y85)	16	0.2
Falls (W00-W19)	590	9.1
Discharge of firearms (W32-W34)	24	0.4
Explosion (W39-W40)	3	0.0
Drowning and submersion (W65-W74)	74	1.1
Inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	132	2.0
Other and unspecified threats to breathing (W75-W77, W81-W84)	48	0.7
Exposure to electric current (W85-W87)	8	0.1
Exposure to radiation (W88-W91)	-	-
Exposure to smoke, fire and flames (X00-X09)	56	0.9
Contact with heat and hot substances (X10-X19)	3	0.0
Lightning (X33)	-	-
Earthquake, volcanic eruption, avalanche, landslide and other earth movements (X34-X36)	-	-
Cataclysmic storm and flood (X37-X38)	5	0.1
Poisoning by and exposure to drugs and other biological substances (X40-X44)	909	14.1
Poisoning by and exposure to other and unspecified solid or liquid substances (X45-X46, X48-X49)	47	0.7
Poisoning by and exposure to gases and vapors (X47)	37	0.6
All other and unspecified accidents and their sequelae (W20-W31, W35-W38, W41-W64, W92-W99, X20-X32, X39, X50-X59, Y86)	366	5.7

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE 26. NUMBER OF DEATHS FROM MOTOR VEHICLE AND ALL OTHER ACCIDENTS, BY AGE, WITH RATES PER 100,000 POPULATION, RESIDENT DATA TENNESSEE, 2012

Age Group	Motor Vehicle		Other Accidents	
	Number	Rate	Number	Rate
All ages	958	14.8	2,344	36.3
Under 5 years	11	2.7	60	14.9
5-9 years	6	1.4	7	1.7
10-14 years	4	0.9	10	2.4
15-19 years	87	20.6	42	10.0
20-24 years	113	24.8	58	12.7
25-29 years	72	17.1	125	29.6
30-34 years	59	14.0	114	27.0
35-44 years	143	17.0	309	36.7
45-54 years	162	17.8	404	44.4
55-64 years	128	15.6	280	34.0
65-74 years	87	16.2	224	41.8
75-84 years	59	21.4	302	109.4
85 years and over	27	25.4	409	384.4

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Motor Vehicle Accidents: There were 958 deaths of Tennessee residents due to motor vehicle accidents or 14.8 per 100,000 population. The number of deaths was 3.9 percent lower than the number of 997 in 2011. Tennessee's 2012 motor vehicle fatalities included 11 children under 5 years of age, which was a decrease from the 16 deaths in 2011.

Chronic Lower Respiratory Diseases: Chronic lower respiratory diseases, which ranked as the third leading cause of death in 2012, accounted for 3,658 deaths, giving a death rate of 56.7 per 100,000 population. The rate in 2012 was 0.5 percent lower than the rate of 57.0 for this group of causes in 2011. The death rate of 65.8 for the white population was 2.6 times higher than the rate of 24.9 for the black population. The rate for males of all races of 54.1 was lower than the female rate of 59.1. Of the 3,658 deaths from this group of causes, 3,372 were assigned to other chronic obstructive pulmonary disease, 197 to emphysema, 57 to asthma, 23 to bronchiectasis, 5 to chronic bronchitis and 4 to bronchitis, not specified as acute or chronic.

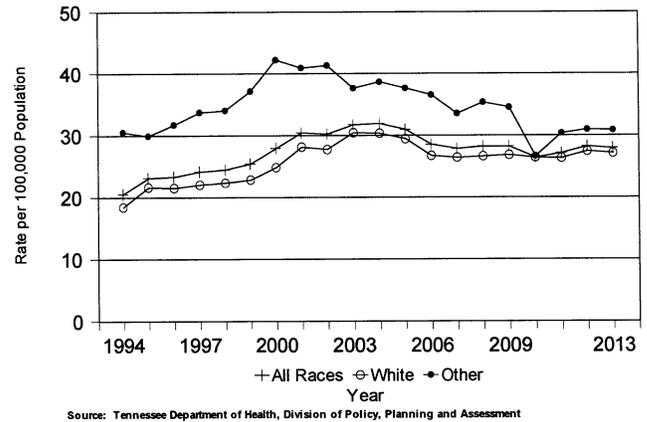
Influenza and Pneumonia: In 2012, influenza and pneumonia, resulted in 1,421 deaths of Tennessee residents, corresponding to a rate of 22.0 per 100,000 population. The death rate for this cause in 2012 showed a decrease of 3.9 percent from the rate of 22.9 in 2011. This cause accounted for 1,267 deaths in the white population, while 147 deaths were reported in the black population.

Twenty-seven Tennessee residents died from influenza in 2012. Of these 27 deaths, 9 occurred to persons under the age of 65 years. During 2012, deaths from influenza occurred throughout the year (January, 1; February, 1; March, 3; April, 3; May, 1; October, 1; November, 4; and December, 13 death). Pneumonia was responsible for 98.1 percent of all deaths attributed to influenza and pneumonia.

Diabetes Mellitus: In 2012, there were 1,823 deaths of Tennessee residents due to diabetes mellitus, the seventh leading cause of death, corresponding to a rate of 28.2 per 100,000 population. The number of deaths increased 5.0 percent over the number for 2011, while the rate increased 4.1 percent. In 2012, of the 1,823 deaths, 1,400 were to white persons and 413 were to persons

of other races. The death rate of 30.9 for the other races was 12.8 percent higher than the rate of 27.4 for the white population. Figure 9 shows the diabetes death rates by race from 1993 to 2012.

FIGURE 9. DIABETES MELLITUS MORTALITY RATES PER 100,000 POPULATION, BY RACE, RESIDENT DATA, TENNESSEE, 1994-2013



Alzheimer's Disease: The sixth leading cause of death, Alzheimer's disease accounted for 2,416 deaths in 2012. The corresponding death rate was 37.4 per 100,000 population. There were 2,184 white deaths with a rate of 42.7 and 222 black deaths with a rate of 20.2 in 2012. The female death rate of 52.8 was 2.5 times higher than the male death rate of 21.3.

Intentional Self-harm (Suicide): There were 956 deaths of Tennessee residents stated to be by intentional self-harm in 2012 with a rate of 14.8 per 100,000 population. The number of suicides represented an increase of 1.9 percent over the 938 suicides in 2011, while the rate increased 1.4 percent. The death rate of 17.1 for the white population was 3.1 times that of 5.6 for the black population. Also, the death rate of 23.9 from intentional self-harm for males was 3.9 times the rate of 6.1 for females in 2012.

Assault (Homicide): In 2012, there were 456 deaths by assault with a rate of 7.1 per 100,000 population. The number of homicides increased 3.2 percent over the 442 homicides in 2011. The rate also increased 2.9 percent from 2011 to 2012. The black rate of 22.9 was 5.9 times the white rate of 3.9 per 100,000 population.

Of the total 456 assault deaths, 322 or 70.6 percent were due to assault by discharge of firearms, which increased 1.0 percent over the percent of 69.9 in 2011. For white males, the death rate of 3.4 for discharge of firearms increased 3.0 percent over the 2011 rate of 3.3. The 2012 rate of 35.9 for black males increased 11.8 percent over the rate of 32.1 in 2011.

In 2012, there were no deaths by legal intervention by firearm.

Firearm Deaths Excluding Legal Intervention: Beginning with the 1993 report, deaths from discharge of firearms were shown. In 2012, a total of 981 residents died from firearm injuries in Tennessee. The category includes firearm deaths that were accidents, intentional self-harm, and assault, as well as those for which the manner of death could not be determined. For all firearm deaths in 2012, firearm intentional self-harm and assault, the two major component causes, accounted for 63.2 and 32.8 percent, respectively.

Of the 981 firearm injury deaths 60.2 percent were for white males, 23.2 percent for black males, 12.9 percent for white females, and 2.4 percent for black females.

Nephritis, Nephrotic Syndrome, and Nephrosis: In 2012, there were 930 deaths from nephritis, nephrotic syndrome, and nephrosis corresponding to a rate of 14.4 per 100,000 population. Among the white population, deaths from this cause numbered 728 with a rate of 14.2; among black persons, there were 191 deaths with a rate of 17.4. The death rate for the white population increased 13.6 percent over the rate of 12.5 in 2011. The rate for the black population increased 8.8 percent over the rate of 16.0 in 2011.

Atherosclerosis: During 2012, deaths due to atherosclerosis numbered 107, a decrease of 16.4 percent from the 128 deaths in 2011. The death rate of 1.7 decreased 15.0 percent from the rate of 2.0 in 2011. For the white population, the rate of 2.1 per 100,000 population for males was 16.7 percent higher than the rate of 1.8 for females. For the black population, the rate of 0.9 for females was 2.3

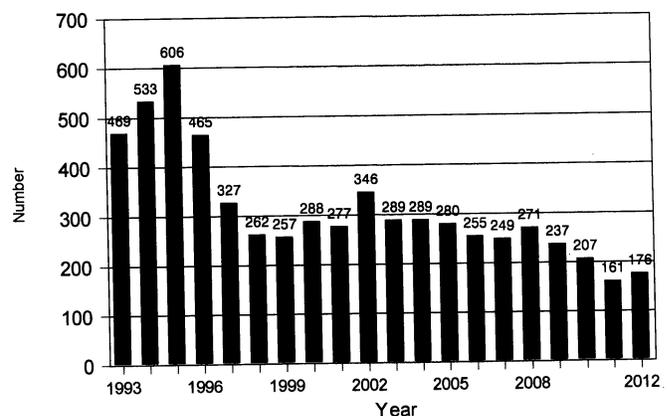
times higher than the rate of 0.4 for males. In 2012, there were only 6 deaths from atherosclerosis occurring to persons under 55 years of age in contrast to 56 deaths to persons aged 85 years and over.

Chronic Liver Disease and Cirrhosis: In 2012, there were 807 deaths from chronic liver disease and cirrhosis with a rate of 12.5 per 100,000 population. Of those who died from this cause, 712 were to white persons corresponding to a rate of 13.9, and 86 deaths were to black persons with a rate of 7.8. In 2012, the death rate of 13.9 for the white population increased 1.5 percent over the rate of 13.7 for 2011. The rate of 7.8 for the black population increased 23.8 percent over the rate of 6.3 for the preceding year.

Certain Infectious and Parasitic Diseases: During 2012, there were 1,562 deaths attributed to certain infectious and parasitic diseases. Of the total 1,562 deaths, 706 deaths were caused by septicemia. Other deaths due to certain infectious and parasitic diseases included: certain other intestinal infections, 274; viral hepatitis, 267; human immunodeficiency virus (HIV) disease, 176; tuberculosis, 12; salmonella infections, 2; meningococcal infection, 2; arthropod-borne viral encephalitis, 1; and syphilis, 1. The remaining 121 deaths were attributed to other and unspecified infectious diseases and their sequelae.

Human Immunodeficiency Virus (HIV) Disease: During 2012, there were 176 deaths (70 whites, 106 blacks) reported from the human immunodeficiency virus (HIV) disease. The rate was 2.7 per 100,000 population. Comparability modified numbers of

FIGURE 10. COMPARABILITY MODIFIED NUMBER OF DEATHS DUE TO HIV INFECTION (AIDS), RESIDENT DATA TENNESSEE, 1993-2012



Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Tennessee deaths due to HIV, by year of death for 1993-1998, along with the numbers for 1999-2012, are presented in Figure 10, page 20. Because of the implementation of the *Tenth Revision of the International Classification of Diseases (ICD-10)*, caution should also be exercised in making any comparison of HIV mortality for 1999-2012 with that for previous years.

Males accounted for 70.5 percent of the deaths due to HIV in 2012. Of these 124 males, 69 were aged 35-54 years. Of the 52 females who died from HIV, 31 were in this same age group (Table 27).

TABLE 27. NUMBER OF DEATHS DUE TO HIV INFECTION BY RACE, GENDER, AND AGE, RESIDENT DATA TENNESSEE, 2012

Age Group	All Races		White		Black		Female
	Total	Total	Male	Female	Total	Male	
All ages	176	70	56	14	106	68	38
Under 1 year	-	-	-	-	-	-	-
1-4 years	-	-	-	-	-	-	-
5-9 years	-	-	-	-	-	-	-
10-14 years	-	-	-	-	-	-	-
15-24 years	1	-	-	-	1	1	-
25-34 years	28	5	4	1	23	14	9
35-44 years	44	18	12	6	26	11	15
45-54 years	56	25	21	4	31	25	6
55-64 years	38	17	15	2	21	14	7
65 years and over	9	5	4	1	4	3	1

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Tuberculosis: In 2012, the deaths of 12 Tennessee residents were reported to be due to tuberculosis, giving a death rate of 0.2 per 100,000 population. Of these deaths, 10 occurred in the white population and 1 in the black population. The death rates were 0.2 for the white population and 0.1 for the black population; comparable rates for tuberculosis in 2011 were 0.1 for the white race and 0.2 for the black race. Six tuberculosis deaths were reported for white females, while seven tuberculosis deaths occurred to persons 65 years and over in 2012.

Marriages: In 2012, the 67th year for which data for marriages has been analyzed and included in the *Vital Statistics Bulletin*, 56,827 marriages were recorded in Tennessee as shown in Table 28. This represented a decrease of 1.1 percent from the 57,461 marriages recorded in 2011. Tennessee's rapid decrease in the number and rate of marriages from 2003 to 2012 is noteworthy. While no definite explanation can be given for this trend, it is suspected that 2002 legislative changes in Tennessee law

increasing the marriage license fees; as well as legislative changes in contiguous states making marriage licenses easier to obtain in these states, may be contributing to this decrease in Tennessee.

Effective May 2, 1989, marriages for which the couple obtained a Tennessee marriage license, but had a ceremony performed out of state are now valid. Of the 56,827 recorded marriages, 343 marriages were performed in another state (Table X, page 103).

TABLE 28. NUMBER OF RECORDED MARRIAGES WITH RATES PER 1,000 POPULATION, TENNESSEE, 2003-2012

Year	Marriages Recorded	Rate
2003	69,335	11.9
2004	67,104	11.4
2005	65,426	11.0
2006	64,505	10.7
2007	62,149	10.2
2008	58,464	9.5
2009	56,441	9.1
2010	55,743	8.8
2011	57,461	9.0
2012	56,827	8.8

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

During 2012, of the 56,827 marriages recorded in Tennessee, 47.3 percent occurred in 5 counties: Davidson, 5,075; Hamilton, 2,506; Knox, 2,502; Shelby, 5,629; and Sevier (resort town of Gatlinburg); 11,180.

TABLE 29. NUMBER OF MARRIAGES ACCORDING TO PREVIOUS MARITAL STATUS OF BRIDE AND GROOM, RECORDED DATA, TENNESSEE, 2012

Groom	Total	Bride			Unknown
		Single	Widowed	Divorced	
Total	56,827	30,778	2,050	23,959	40
Single	31,136	24,746	297	6,083	10
Widowed	1,866	189	564	1,110	3
Divorced	23,774	5,828	1,187	16,742	17
Unknown	51	15	2	24	10

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Data regarding the previous marital status of the bride and groom is shown in Table 29. In 43.5 percent of the marriages (24,746), both the bride and groom were marrying for the first time. In 29.5 percent of the marriages (16,742), both the bride and groom had been divorced.

In 2012, the most frequently stated age at marriage was 23 years for the bride and 24 years for the groom.

Divorces: In 2012, the 67th consecutive year for which data for divorces has been analyzed and included in the *Vital Statistics Bulletin*, 27,742 divorces were recorded in Tennessee. This

represented an increase of 1.0 percent over the 27,454 divorces in 2011. The divorce rate of 4.3 per 1,000 population remained the same as the rate in 2011. Table 30 presents the number of divorces recorded and divorce rates for the years 2003-2012.

TABLE 30. NUMBER OF RECORDED DIVORCES WITH RATES PER 1,000 POPULATION TENNESSEE, 2003-2012

Year	Divorces Recorded	Rate
2003	29,155	5.0
2004	28,858	4.9
2005	27,823	4.7
2006	28,067	4.7
2007	26,501	4.4
2008	26,531	4.3
2009	25,879	4.2
2010	26,749	4.2
2011	27,454	4.3
2012	27,742	4.3

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

Of the 27,742 divorces, no minor children were involved in 58.0 percent or 16,087 of the divorces; for another 20.6 percent or 5,715 of the divorces, only 1 minor child was involved. Fourteen divorces involved six or more children.

Many factors need to be considered in the interpretation of these divorce statistics. The number of divorces that occurs in a calendar year cannot be related to the number of marriages that occurs in the same time period. The marriages that end in divorce have occurred at various times and in various states.

SUMMARY

**EVERY DAY IN 2012, RESIDENTS OF TENNESSEE
EXPERIENCED AN AVERAGE OF:**

	Per Day
Births.....	219
Births to unmarried mothers	97
Births weighing less than 2,500 grams	20
Births to women aged 35 and older	23
Births to women aged 19 or under	22
 Infant deaths.....	 2
 Neonatal deaths.....	 1
 Fetal deaths	 2
 Marriages	 155
 Divorces	 76
 Induced Termination of Pregnancies	 33
 Deaths	 167
Diseases of heart	39
Malignant neoplasms	37
Chronic lower respiratory diseases	10
Accidents.....	9
Motor vehicle accidents	3
Cerebrovascular diseases	8
Alzheimer’s disease	7
Diabetes mellitus.....	5
Influenza and pneumonia.....	4
Intentional self-harm (suicide).....	3
Nephritis, nephrotic syndrome and nephrosis.....	3
Chronic liver disease and cirrhosis	2
Septicemia.....	2
Assault (homicide)	1

Note: All causes of death are included in the total number of deaths per day.
Numbers for specific causes of death per day are given for leading causes of death only.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

SUMMARY OF TENNESSEE RESIDENT VITAL STATISTICS FOR 2012

• Population	Total White Other Races (Black)*	6,456,121 5,117,466 1,338,655 1,097,867	The total population increased by 0.8 percent over 2011.
• Live Births	Number Birth Rate Fertility Rate (per 1,000 females 15-44)	80,202 12.4 62.5	The number of births increased, while the rate remained the same as 2011. The fertility rate increased over 2011.
• Fetal Deaths	Number Ratio	650 8.1	The number and ratio of fetal deaths increased over 2011.
• Births to Adolescent Mothers (10-17)	Number Percent	2,206 2.8	The number and percent of adolescent births decreased from 2011.
• Induced Termination of Pregnancies	Number Ratio	12,122 151.1	Both the number and ratio of induced abortions decreased from 2011.
• Total Pregnancies	Number Rate (per 1,000 females 10-49)	92,974 54.1	The pregnancy rate of 67.7 for black women was 33.5 percent higher than the rate of 50.7 for white women.
• Infant Deaths	Number Rate	576 7.2	The number and rate of infant deaths decreased from 2011.
• Maternal Deaths**	Number Rate	37 4.6	Both the number and rate of maternal deaths increased over 2011.
• Deaths	Number Rate	61,164 9.5	The number and rate of deaths increased over 2011.
• Deaths from Malignant Neoplasms	Number Rate	13,633 211.2	Malignant neoplasms ranked as the second leading cause of death. The number increased, and the rate also increased over 2011.
• Deaths from Motor Vehicle Accidents	Number Rate	958 14.8	Motor vehicle accidents were responsible for 40.9 percent of all accidental deaths.
• Marriages	Number Rate	56,827 8.8	Both the number and rate of marriages decreased from 2011.
• Divorces	Number Rate	27,742 4.3	The number of divorces increased over 2011, while the rate remained the same.

*The black population is included in the other races population.

**See maternal mortality for more information on increase in 2012 (Page 14).

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE I-POPULATION, BIRTHS AND DEATHS WITH RATES PER 1,000 POPULATION, FETAL DEATHS WITH RATIOS PER 1,000 LIVE BIRTHS AND INFANT AND NEONATAL DEATHS WITH RATES PER 1,000 LIVE BIRTHS, BY RACE RECORDED AND RESIDENT DATA, TENNESSEE, 1993-2012

Year	Estimated Population			Live Births						Deaths					
				All Races		White		All Other Races		All Races		White		All Other Races	
	All Races	White	All Other Races	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Recorded															
1993 ...	5,137,584	4,248,198	889,386	77,534	15.1	58,076	13.7	19,441	21.9	52,335	10.2	43,650	10.3	8,683	9.8
1994 ...	5,231,438	4,318,767	912,671	77,918	14.9	59,098	13.7	18,803	20.6	53,721	10.3	44,913	10.4	8,807	9.6
1995 ...	5,326,936	4,393,289	933,647	77,899	14.6	59,610	13.6	18,270	19.6	54,398	10.2	45,199	10.3	9,196	9.8
1996 ...	5,416,643	4,460,769	955,874	78,382	14.5	60,106	13.5	18,264	19.1	54,508	10.1	45,545	10.2	8,961	9.4
1997 ...	5,499,233	4,524,631	974,602	79,415	14.4	60,831	13.4	18,572	19.1	55,893	10.2	46,765	10.3	9,126	9.4
1998 ...	5,570,045	4,575,834	994,211	82,412	14.8	63,364	13.8	19,036	19.1	56,577	10.2	47,641	10.4	8,932	9.0
1999 ...	5,638,706	4,625,327	1,013,379	82,963	14.7	64,135	13.9	18,807	18.6	57,021	10.1	48,029	10.4	8,992	8.9
2000 ...	5,689,283	4,657,382	1,031,901	84,832	14.9	65,408	14.0	19,395	18.8	58,468	10.3	49,220	10.6	9,246	9.0
2001 ...	5,736,186	4,691,138	1,045,048	83,521	14.6	64,378	13.7	19,102	18.3	58,269	10.2	49,294	10.5	8,972	8.6
2002 ...	5,786,527	4,726,899	1,059,628	82,609	14.3	63,666	13.5	18,886	17.8	59,663	10.3	50,472	10.7	9,187	8.7
2003 ...	5,840,260	4,764,790	1,075,470	84,014	14.4	65,017	13.6	18,945	17.6	60,286	10.3	51,141	10.7	9,141	8.5
2004 ...	5,897,306	4,804,800	1,092,506	84,856	14.4	66,476	13.8	18,302	16.8	58,779	10.0	50,006	10.4	8,767	8.0
2005 ...	5,958,085	4,847,027	1,111,058	87,082	14.6	67,814	14.0	19,150	17.2	60,336	10.1	51,075	10.5	9,253	8.3
2006 ...	6,004,724	4,879,950	1,124,774	89,429	14.9	69,214	14.2	20,127	17.9	59,753	10.0	50,657	10.4	9,088	8.1
2007 ...	6,090,043	4,963,240	1,126,803	92,049	15.1	71,254	14.4	20,667	18.3	60,108	9.9	51,124	10.3	8,981	8.0
2008 ...	6,144,738	5,001,468	1,143,270	90,885	14.8	69,907	14.0	20,877	18.3	61,776	10.1	52,845	10.6	8,929	7.8
2009 ...	6,202,803	5,041,974	1,160,829	87,141	14.0	65,976	13.1	21,076	18.2	61,121	9.9	52,259	10.4	8,859	7.6
2010 ...	6,346,105	4,921,948	1,424,157	84,533	13.3	65,183	13.2	19,269	13.5	62,621	9.9	53,712	10.9	8,886	6.2
2011 ...	6,403,140	5,090,175	1,312,965	84,412	13.2	65,099	12.8	19,226	14.6	63,817	10.0	54,927	10.8	8,877	6.8
2012 ...	6,456,121	5,117,466	1,338,655	85,600	13.3	65,941	12.9	19,599	14.6	65,271	10.1	56,122	11.0	9,004	6.7
Resident															
1993 ...	5,137,584	4,248,198	889,386	72,923	14.2	54,501	12.8	18,403	20.7	49,096	9.6	40,922	9.6	8,167	9.2
1994 ...	5,231,438	4,318,767	912,671	73,147	14.0	55,558	12.9	17,571	19.3	50,404	9.6	42,176	9.8	8,227	9.0
1995 ...	5,326,936	4,393,289	933,647	73,139	13.7	55,892	12.7	17,229	18.5	51,167	9.6	42,514	9.7	8,648	9.3
1996 ...	5,416,643	4,460,769	955,874	73,710	13.6	56,294	12.6	17,407	18.2	51,367	9.5	42,911	9.6	8,447	8.8
1997 ...	5,499,233	4,524,631	974,602	74,458	13.5	56,816	12.6	17,627	18.1	52,579	9.6	43,960	9.7	8,612	8.8
1998 ...	5,570,045	4,575,834	994,211	77,334	13.9	59,150	12.9	18,171	18.3	53,276	9.6	44,853	9.8	8,413	8.5
1999 ...	5,638,706	4,625,327	1,013,379	77,761	13.8	59,823	12.9	17,911	17.7	53,506	9.5	45,065	9.7	8,432	8.3
2000 ...	5,689,283	4,657,382	1,031,901	79,539	14.0	60,928	13.1	18,582	18.0	55,092	9.7	46,328	9.9	8,757	8.5
2001 ...	5,736,186	4,691,138	1,045,048	78,318	13.7	59,945	12.8	18,319	17.5	55,148	9.6	46,602	9.9	8,528	8.2
2002 ...	5,786,527	4,726,899	1,059,628	77,433	13.4	59,285	12.5	18,087	17.1	56,513	9.8	47,791	10.1	8,708	8.2
2003 ...	5,840,260	4,764,790	1,075,470	78,841	13.5	60,630	12.7	18,144	16.9	57,220	9.8	48,516	10.2	8,692	8.1
2004 ...	5,897,306	4,804,800	1,092,506	79,572	13.5	61,899	12.9	17,598	16.1	55,645	9.4	47,270	9.8	8,360	7.7
2005 ...	5,958,085	4,847,027	1,111,058	81,720	13.7	63,215	13.0	18,387	16.5	57,110	9.6	48,307	10.0	8,784	7.9
2006 ...	6,004,724	4,879,950	1,124,774	84,308	14.0	64,788	13.3	19,397	17.2	56,636	9.4	47,914	9.8	8,699	7.7
2007 ...	6,090,043	4,963,240	1,126,803	86,661	14.2	66,443	13.4	19,923	17.7	56,800	9.3	48,210	9.7	8,580	7.6
2008 ...	6,144,738	5,001,468	1,143,270	85,480	13.9	65,093	13.0	20,061	17.5	58,555	9.5	49,996	10.0	8,548	7.5
2009 ...	6,202,803	5,041,974	1,160,829	82,109	13.2	61,082	12.1	20,312	17.5	58,023	9.4	49,542	9.8	8,475	7.3
2010 ...	6,346,105	4,921,948	1,424,157	79,345	12.5	60,174	12.2	18,514	13.0	59,201	9.3	50,713	10.3	8,464	5.9
2011 ...	6,403,140	5,090,175	1,312,965	79,462	12.4	60,252	11.8	18,484	14.1	60,104	9.4	51,638	10.1	8,451	6.4
2012 ...	6,456,121	5,117,466	1,338,655	80,202	12.4	60,792	11.9	18,774	14.0	61,164	9.5	52,532	10.3	8,491	6.3

Totals of events may include items with race not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE I (Continued)-POPULATION, BIRTHS AND DEATHS WITH RATES PER 1,000 POPULATION, FETAL DEATHS WITH RATIOS PER 1,000 LIVE BIRTHS, INFANT AND NEONATAL DEATHS WITH RATES PER 1,000 LIVE BIRTHS BY RACE, RECORDED AND RESIDENT DATA, TENNESSEE, 1993-2012

Year	Fetal Deaths						Infant Deaths						Neonatal Deaths					
	All Races		White		All Other Races		All Races		White		All Other Races		All Races		White		All Other Races	
	No.	Ratio	No.	Ratio	No.	Ratio	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
Recorded																		
1993...	424	5.5	260	4.5	164	8.4	796	10.3	445	7.7	351	18.1	471	6.1	253	4.4	218	11.2
1994...	409	5.2	272	4.6	133	7.1	771	9.9	422	7.1	349	18.6	463	5.9	245	4.1	218	11.6
1995...	424	5.4	270	4.5	151	8.3	785	10.1	454	7.6	331	18.1	465	6.0	261	4.4	204	11.2
1996...	440	5.6	276	4.6	164	9.0	721	9.2	438	7.3	283	15.5	447	5.7	275	4.6	172	9.4
1997...	415	5.2	270	4.4	145	7.8	724	9.1	424	7.0	300	16.2	452	5.7	266	4.4	186	10.0
1998...	417	5.1	255	4.0	160	8.4	740	9.0	440	6.9	299	15.7	521	6.3	303	4.8	217	11.4
1999...	449	5.4	314	4.9	134	7.1	707	8.5	420	6.5	287	15.3	480	5.8	287	4.5	193	10.3
2000...	432	5.1	281	4.3	150	7.7	818	9.6	475	7.3	341	17.6	542	6.4	311	4.8	230	11.9
2001...	394	4.7	229	3.6	163	8.5	774	9.3	469	7.3	305	16.0	503	6.0	303	4.7	200	10.5
2002...	358	4.3	218	3.4	140	7.4	838	10.1	497	7.8	341	18.1	540	6.5	308	4.8	232	12.3
2003...	409	4.9	277	4.3	131	6.9	838	10.0	500	7.7	338	17.8	559	6.7	307	4.7	252	13.3
2004...	420	4.9	278	4.2	140	7.6	773	9.1	465	7.0	307	16.8	501	5.9	301	4.5	199	10.9
2005...	431	4.9	270	4.0	158	8.3	841	9.7	526	7.8	313	16.3	552	6.3	322	4.7	229	12.0
2006...	430	4.8	262	3.8	156	7.8	844	9.4	506	7.3	337	16.7	562	6.3	316	4.6	245	12.2
2007...	446	4.8	271	3.8	174	8.4	817	8.9	479	6.7	338	16.4	513	5.6	297	4.2	216	10.5
2008...	433	4.8	264	3.8	167	8.0	784	8.6	473	6.8	310	14.8	494	5.4	286	4.1	207	9.9
2009...	401	4.6	253	3.8	147	7.0	744	8.5	430	6.5	313	14.9	445	5.1	254	3.8	190	9.0
2010...	479	5.7	290	4.4	186	9.7	712	8.4	447	6.9	262	13.6	421	5.0	258	4.0	161	8.4
2011...	650	7.7	414	6.4	231	12.0	680	8.1	426	6.5	253	13.2	432	5.1	272	4.2	159	8.3
2012...	701	8.2	413	6.3	281	14.3	686	8.0	431	6.5	245	12.5	421	4.9	262	4.0	153	7.8
Resident																		
1993...	382	5.2	226	4.1	156	8.5	685	9.4	364	6.7	321	17.4	401	5.5	205	3.8	196	10.7
1994...	376	5.1	246	4.4	125	7.1	648	8.9	347	6.2	301	17.1	387	5.3	200	3.6	187	10.6
1995...	387	5.3	247	4.4	137	8.0	677	9.3	383	6.9	294	17.1	399	5.5	213	3.8	186	10.8
1996...	412	5.6	257	4.6	155	8.9	626	8.5	377	6.7	249	14.3	386	5.2	236	4.2	150	8.6
1997...	387	5.2	248	4.4	139	7.9	635	8.5	365	6.4	270	15.3	379	5.1	217	3.8	162	9.2
1998...	383	5.0	232	3.9	149	8.2	634	8.2	370	6.3	263	14.5	434	5.6	242	4.1	191	10.5
1999...	418	5.4	288	4.8	129	7.2	597	7.7	337	5.6	260	14.5	388	5.0	217	3.6	171	9.5
2000...	403	5.1	260	4.3	141	7.6	719	9.0	405	6.6	312	16.8	466	5.9	260	4.3	205	11.0
2001...	367	4.7	210	3.5	155	8.5	680	8.7	400	6.7	280	15.3	436	5.6	252	4.2	184	10.0
2002...	333	4.3	202	3.4	131	7.2	727	9.4	418	7.1	309	17.1	456	5.9	250	4.2	206	11.4
2003...	376	4.8	250	4.1	125	6.9	728	9.2	424	7.0	303	16.7	472	6.0	246	4.1	225	12.4
2004...	386	4.9	254	4.1	130	7.4	686	8.6	396	6.4	289	16.4	430	5.4	241	3.9	188	10.7
2005...	398	4.9	242	3.8	153	8.3	718	8.8	450	7.1	266	14.5	459	5.6	264	4.2	194	10.6
2006...	397	4.7	235	3.6	157	8.1	733	8.7	426	6.6	306	15.8	490	5.8	265	4.1	224	11.5
2007...	413	4.8	246	3.7	166	8.3	718	8.3	413	6.2	304	15.3	448	5.2	253	3.8	194	9.7
2008...	402	4.7	242	3.7	158	7.9	686	8.0	398	6.1	287	14.3	420	4.9	229	3.5	190	9.5
2009...	371	4.5	231	3.8	139	6.8	655	8.0	364	6.0	290	14.3	390	4.7	211	3.5	178	8.8
2010...	457	5.8	273	4.5	181	9.8	626	7.9	382	6.3	241	13.0	364	4.6	217	3.6	145	7.8
2011...	609	7.7	383	6.4	221	12.0	587	7.4	361	6.0	225	12.2	365	4.6	225	3.7	139	7.5
2012...	650	8.1	385	6.3	260	13.8	576	7.2	357	5.9	209	11.1	345	4.3	206	3.4	133	7.1

Totals of events may include items with race not stated.
 Beginning with 1991 data, infant mortality rates are calculated by race of mother.
 Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE II. LIVE BIRTHS WITH SELECTED ABNORMAL CONDITIONS OF THE NEWBORN
AND RATES PER 1,000 LIVE BIRTHS, BY AGE OF MOTHER, BY RACE
OF MOTHER, RESIDENT DATA, TENNESSEE, 2012

Abnormal Conditions	Number		Rate by Age of Mother							Number Not Stated
	All Births	Abnormal Conditions Reported	All Ages	Under 20 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-49 Years	
All Races										
Surficial replacement therapy	80,202	360	4.5	5.5	4.0	4.8	3.8	5.6	5.2	26
Admitted to neonatal intensive care.	80,202	5,432	67.7	67.6	66.5	64.4	63.3	88.0	92.1	26
Seizure or serious neurologic dysfunction	80,202	27	0.3	0.3	0.2	0.4	0.6	0.3	-	26
Antibiotics for suspected sepsis	80,202	1,672	20.8	22.7	21.6	20.7	17.8	22.0	29.8	26
Assisted ventilation immediately after birth	80,202	2,943	36.7	40.9	38.0	36.1	33.3	37.9	37.6	26
Assisted ventilation for 6 hours or longer	80,202	1,199	14.9	13.8	14.1	14.5	14.7	19.3	23.3	26
Birth injury	80,202	32	0.4	0.4	0.4	0.5	0.3	0.1	1.3	26
White										
Surficial replacement therapy	60,792	294	4.8	6.8	4.3	4.9	3.9	6.3	6.8	5
Admitted to neonatal intensive care.	60,792	3,697	60.8	58.5	57.0	59.0	58.8	80.5	83.1	5
Seizure or serious neurologic dysfunction	60,792	24	0.4	0.4	0.2	0.4	0.6	0.2	-	5
Antibiotics for suspected sepsis	60,792	1,361	22.4	26.6	24.0	21.4	19.0	23.1	30.5	5
Assisted ventilation immediately after birth	60,792	2,413	39.7	49.2	42.8	37.8	34.1	40.6	41.6	5
Assisted ventilation for 6 hours or longer	60,792	944	15.5	16.5	14.6	14.6	15.0	19.5	26.3	5
Birth injury	60,792	27	0.4	0.4	0.5	0.4	0.4	0.2	1.7	5
Black										
Surficial replacement therapy	16,560	61	3.7	2.9	3.4	4.9	3.9	2.9	-	2
Admitted to neonatal intensive care.	16,560	1,605	96.9	88.5	94.6	92.1	96.7	136.5	142.9	2
Seizure or serious neurologic dysfunction	16,560	2	0.1	-	-	0.2	0.4	-	-	2
Antibiotics for suspected sepsis	16,560	248	15.0	12.4	14.9	17.7	11.1	14.5	36.6	2
Assisted ventilation immediately after birth	16,560	462	27.9	21.9	26.5	31.4	30.4	30.0	29.3	2
Assisted ventilation for 6 hours or longer	16,560	219	13.2	7.9	12.8	15.1	14.6	16.5	18.3	2
Birth injury	16,560	3	0.2	0.4	-	0.5	-	-	-	2

Not stated includes births with no response reported for the abnormal condition item.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE III. LIVE BIRTHS WITH SELECTED CONGENITAL ANOMALIES
AND RATES PER 100,000 LIVE BIRTHS BY AGE OF MOTHER, BY
RACE OF MOTHER, RESIDENT DATA, TENNESSEE, 2012

Congenital Anomaly	Number		Rate by Age of Mother							Number Not Stated*
	All Births	Congenital Anomaly Reported	All Ages	Under 20 Years	20-24 Years	25-29 Years	30-34 Years	35-39 Years	40-49 Years	
All Races										
Anencephaly	80,202	10	12.5	-	17.3	8.6	23.0	-	-	26
Meningomyelocele/Spina bifida	80,202	22	27.4	12.5	38.9	17.3	40.3	14.3	-	26
Cyanotic congenital heart disease	80,202	71	88.5	150.4	73.4	77.8	57.6	143.0	259.4	26
Congenital diaphragmatic hernia	80,202	22	27.4	50.1	21.6	21.6	46.0	-	-	26
Hypospadias	80,202	31	38.7	50.1	30.2	30.3	51.8	42.9	64.9	26
Omphalocele	80,202	10	12.5	12.5	17.3	4.3	11.5	14.3	64.9	26
Gastroschisis	80,202	33	41.1	112.8	86.4	8.6	11.5	-	-	26
Cleft lip with or without Cleft palate	80,202	34	42.4	50.1	43.2	38.9	46.0	28.6	64.9	26
Cleft palate alone	80,202	15	18.7	25.1	13.0	17.3	17.3	42.9	-	26
Limb reduction defect	80,202	8	10.0	12.5	17.3	4.3	5.8	14.3	-	26
Down's syndrome Karyotype confirmed	80,202	12	15.0	12.5	8.6	8.6	28.8	-	129.7	26
Down's syndrome Karyotype pending	80,202	11	13.7	-	4.3	8.6	11.5	71.5	64.9	26
Suspected chromosomal disorder Karyotype confirmed	80,202	5	6.2	-	13.0	4.3	5.8	-	-	26
Suspected chromosomal disorder Karyotype pending	80,202	13	16.2	12.5	17.3	17.3	17.3	-	64.9	26
White										
Anencephaly	60,792	7	11.5	-	18.2	11.0	14.3	-	-	5
Meningomyelocele/Spina bifida	60,792	21	34.5	18.3	54.7	22.0	43.0	18.1	-	5
Cyanotic congenital heart disease	60,792	64	105.3	220.2	85.0	87.9	71.7	162.5	254.5	5
Congenital diaphragmatic hernia	60,792	19	31.3	73.4	24.3	22.0	50.2	-	-	5
Hypospadias	60,792	26	42.8	73.4	18.2	38.4	57.4	54.2	84.8	5
Omphalocele	60,792	8	13.2	18.3	18.2	5.5	7.2	18.1	84.8	5
Gastroschisis	60,792	32	52.6	165.1	121.5	11.0	7.2	-	-	5
Cleft lip with or without Cleft palate	60,792	28	46.1	55.0	48.6	38.4	57.4	18.1	84.8	5
Cleft palate alone	60,792	15	24.7	36.7	18.2	22.0	21.5	54.2	-	5
Limb reduction defect	60,792	7	11.5	18.3	18.2	5.5	7.2	18.1	-	5
Down's syndrome Karyotype confirmed	60,792	10	16.4	18.3	12.1	5.5	28.7	-	169.6	5
Down's syndrome Karyotype pending	60,792	10	16.4	-	6.1	11.0	14.3	72.2	84.8	5
Suspected chromosomal disorder Karyotype confirmed	60,792	3	4.9	-	12.1	5.5	-	-	-	5
Suspected chromosomal disorder Karyotype pending	60,792	12	19.7	18.3	18.2	22.0	21.5	-	84.8	5
Black										
Anencephaly	16,560	2	12.1	-	16.2	-	39.5	-	-	2
Meningomyelocele/Spina bifida	16,560	1	6.0	-	-	-	39.5	-	-	2
Cyanotic congenital heart disease	16,560	7	42.3	-	48.5	48.6	-	96.8	366.3	2
Congenital diaphragmatic hernia	16,560	3	18.1	-	16.2	24.3	39.5	-	-	2
Hypospadias	16,560	4	24.2	-	48.5	-	39.5	-	-	2
Omphalocele	16,560	2	12.1	-	16.2	-	39.5	-	-	2
Gastroschisis	16,560	-	-	-	-	-	-	-	-	2
Cleft lip with or without Cleft palate	16,560	5	30.2	41.3	32.3	48.6	-	-	-	2
Cleft palate alone	16,560	-	-	-	-	-	-	-	-	2
Limb reduction defect	16,560	1	6.0	-	16.2	-	-	-	-	2
Down's syndrome Karyotype confirmed	16,560	2	12.1	-	-	24.3	39.5	-	-	2
Down's syndrome Karyotype pending	16,560	1	6.0	-	-	-	-	96.8	-	2
Suspected chromosomal disorder Karyotype confirmed	16,560	2	12.1	-	16.2	-	39.5	-	-	2
Suspected chromosomal disorder Karyotype pending	16,560	-	-	-	-	-	-	-	-	2

A dash (-) indicates there were no events.
*Not stated includes births with no response reported for the congenital anomalies item.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Total Deaths*													
	All Races		White						All Other Races					
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993...	49,096	9.6	40,922	9.6	20,903	10.1	20,019	9.2	8,167	9.2	4,312	10.4	3,854	8.1
1994...	50,404	9.6	42,176	9.8	21,318	10.2	20,858	9.4	8,227	9.0	4,272	10.0	3,954	8.2
1995...	51,167	9.6	42,514	9.7	21,566	10.1	20,948	9.3	8,648	9.3	4,552	10.4	4,096	8.3
1996...	51,367	9.5	42,911	9.6	21,590	9.9	21,321	9.3	8,447	8.8	4,399	9.8	4,048	8.0
1997...	52,579	9.6	43,960	9.7	22,027	10.0	21,933	9.5	8,612	8.8	4,388	9.6	4,224	8.2
1998...	53,276	9.6	44,853	9.8	22,358	10.0	22,495	9.6	8,413	8.5	4,263	9.1	4,150	7.9
1999...	53,506	9.5	45,065	9.7	22,286	9.8	22,779	9.6	8,432	8.3	4,190	8.8	4,242	7.9
2000...	55,092	9.7	46,328	9.9	22,839	10.0	23,489	9.9	8,757	8.5	4,354	8.9	4,403	8.1
2001...	55,148	9.6	46,602	9.9	22,760	9.9	23,841	10.0	8,528	8.2	4,226	8.6	4,302	7.8
2002...	56,513	9.8	47,791	10.1	23,388	10.1	24,403	10.1	8,708	8.2	4,384	8.8	4,324	7.7
2003...	57,220	9.8	48,516	10.2	23,791	10.2	24,724	10.2	8,692	8.1	4,324	8.5	4,367	7.7
2004...	55,645	9.4	47,270	9.8	23,296	9.9	23,974	9.8	8,360	7.7	4,202	8.1	4,158	7.2
2005...	57,110	9.6	48,307	10.0	23,860	10.0	24,447	9.9	8,784	7.9	4,525	8.6	4,258	7.3
2006...	56,636	9.4	47,914	9.8	23,960	10.0	23,951	9.7	8,699	7.7	4,424	8.3	4,274	7.2
2007...	56,800	9.3	48,210	9.7	24,069	9.9	24,139	9.6	8,580	7.6	4,373	8.2	4,206	7.1
2008...	58,555	9.5	49,996	10.0	24,715	10.0	25,279	9.9	8,548	7.5	4,262	7.9	4,283	7.1
2009...	58,023	9.4	49,542	9.8	24,882	10.0	24,658	9.6	8,475	7.3	4,349	7.9	4,122	6.7
2010...	59,201	9.3	50,713	10.3	25,406	10.6	25,304	10.1	8,464	5.9	4,313	6.3	4,150	5.6
2011...	60,104	9.4	51,638	10.1	25,975	10.4	25,661	9.9	8,451	6.4	4,303	6.9	4,148	6.0
2012...	61,164	9.5	52,532	10.3	26,302	10.5	26,228	10.1	8,491	6.3	4,395	6.9	4,096	5.8

Year	Septicemia													
	All Races		White						All Other Races					
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993...	350	6.8	253	6.0	114	5.5	140	6.4	97	10.9	44	10.6	53	11.2
1994...	348	6.7	264	6.1	104	5.0	160	7.2	84	9.2	42	9.8	42	8.7
1995...	380	7.1	278	6.3	118	5.5	160	7.1	102	10.9	49	11.2	53	10.7
1996...	374	6.9	277	6.2	121	5.6	157	6.9	97	10.1	36	8.0	61	12.0
1997...	381	6.9	290	6.4	110	5.0	180	7.8	91	9.3	43	9.4	48	9.3
1998...	412	7.4	309	6.8	135	6.0	174	7.4	103	10.4	35	7.5	68	12.9
1999...	556	9.9	438	9.5	174	7.7	264	11.2	118	11.6	50	10.5	68	12.7
2000...	504	8.9	415	8.9	178	7.8	237	10.0	89	8.6	43	8.8	46	8.4
2001...	496	8.6	390	8.3	164	7.1	226	9.5	105	10.0	54	10.9	51	9.3
2002...	601	10.4	475	10.0	199	8.6	276	11.5	126	11.9	52	10.4	74	13.2
2003...	622	10.7	481	10.1	223	9.5	258	10.6	141	13.1	63	12.4	78	13.8
2004...	535	9.1	415	8.6	174	7.4	241	9.9	120	11.0	50	9.7	70	12.2
2005...	644	10.8	488	10.1	243	10.2	245	9.9	156	14.0	69	13.1	87	14.9
2006...	617	10.3	475	9.7	195	8.1	280	11.3	142	12.6	70	13.1	72	12.2
2007...	690	11.3	551	11.1	258	10.6	293	11.6	139	12.3	64	12.0	75	12.6
2008...	776	12.6	623	12.5	300	12.2	323	12.7	153	13.4	70	12.9	83	13.8
2009...	672	10.8	539	10.7	250	10.1	289	11.3	133	11.5	60	10.9	73	11.9
2010...	697	11.0	550	11.2	233	9.7	316	12.6	147	10.3	62	9.0	85	11.5
2011...	685	10.7	555	10.9	260	10.4	295	11.4	130	9.9	64	10.3	66	9.6
2012...	706	10.9	611	11.9	270	10.7	341	13.1	95	7.1	46	7.2	49	7.0

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.

For more detailed information see Appendix B (page 111) of this Bulletin.

Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.

*Rate per 1,000 population.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV (Continued)-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Malignant Neoplasms, All Sites													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	11,148	217.0	9,373	220.6	5,117	247.9	4,257	194.9	1,773	199.4	979	235.1	794	167.9
1994 ...	11,483	219.5	9,715	224.9	5,232	249.1	4,482	202.0	1,768	193.7	980	228.9	788	162.6
1995 ...	11,689	219.4	9,796	223.0	5,312	248.3	4,484	198.9	1,893	202.8	1,012	231.0	881	177.8
1996 ...	11,714	216.3	9,931	222.6	5,360	246.5	4,571	199.9	1,783	186.5	982	218.5	801	158.2
1997 ...	11,953	217.4	10,074	222.6	5,465	247.7	4,609	198.8	1,879	192.8	974	212.4	905	175.4
1998 ...	12,049	216.3	10,214	223.2	5,496	246.0	4,718	201.5	1,835	184.6	985	210.5	851	161.7
1999 ...	11,887	210.8	10,077	217.9	5,456	241.1	4,621	195.6	1,806	178.2	984	205.9	822	153.5
2000 ...	12,309	216.4	10,486	225.1	5,631	246.7	4,855	204.5	1,823	176.7	976	200.2	847	155.6
2001 ...	12,228	213.2	10,380	221.3	5,660	246.0	4,720	197.5	1,848	176.8	931	188.5	917	166.4
2002 ...	12,506	216.1	10,719	226.8	5,775	248.9	4,944	205.4	1,787	168.6	944	188.5	843	150.9
2003 ...	12,595	215.7	10,765	225.9	5,735	245.1	5,029	207.4	1,829	170.1	929	182.7	900	158.8
2004 ...	12,558	212.9	10,739	223.5	5,749	243.5	4,990	204.2	1,819	166.5	936	181.1	883	153.4
2005 ...	12,970	217.7	10,990	226.7	5,871	246.3	5,119	207.8	1,977	177.9	1,034	196.6	943	161.1
2006 ...	13,007	216.6	11,049	226.4	6,015	250.6	5,034	203.0	1,956	173.9	992	186.3	964	162.7
2007 ...	13,112	215.3	11,220	226.1	6,181	253.3	5,039	199.7	1,892	167.9	994	186.3	898	151.3
2008 ...	13,108	213.3	11,252	225.0	6,201	252.1	5,051	198.7	1,855	162.3	948	175.1	907	150.7
2009 ...	13,409	216.2	11,439	226.9	6,250	252.0	5,188	202.5	1,970	169.7	1,049	190.8	920	150.6
2010 ...	13,514	212.9	11,545	234.6	6,399	265.9	5,146	204.6	1,965	138.0	1,017	148.0	948	128.7
2011 ...	13,461	210.2	11,430	224.6	6,233	249.5	5,197	200.5	2,028	154.5	1,065	171.0	963	139.5
2012 ...	13,633	211.2	11,592	226.5	6,311	251.2	5,280	202.7	2,009	150.1	1,086	170.7	923	131.4

Year	Malignant Neoplasms of Trachea, Bronchus, and Lung													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	3,454	67.2	2,988	70.3	2,008	97.3	981	44.9	463	52.1	325	78.0	139	29.4
1994 ...	3,617	69.1	3,121	72.3	2,092	99.6	1,029	46.4	496	54.3	343	80.1	152	31.4
1995 ...	3,601	67.6	3,124	71.1	2,067	96.6	1,057	46.9	477	51.1	317	72.3	160	32.3
1996 ...	3,694	68.2	3,217	72.1	2,102	96.7	1,115	48.8	477	49.9	334	74.3	143	28.2
1997 ...	3,800	69.1	3,318	73.3	2,151	97.5	1,167	50.3	482	49.5	311	67.8	171	33.1
1998 ...	3,780	67.9	3,316	72.5	2,125	95.1	1,191	50.9	464	46.7	305	65.2	159	30.2
1999 ...	3,775	66.9	3,271	70.7	2,113	93.4	1,158	49.0	503	49.6	331	69.3	172	32.1
2000 ...	3,935	69.2	3,447	74.0	2,161	94.7	1,286	54.2	488	47.3	320	65.6	168	30.9
2001 ...	3,991	69.6	3,489	74.4	2,249	97.7	1,240	51.9	502	48.0	306	62.0	196	35.6
2002 ...	4,074	70.4	3,580	75.7	2,207	95.1	1,373	57.0	494	46.6	314	62.7	180	32.2
2003 ...	4,042	69.2	3,551	74.5	2,139	91.4	1,412	58.2	491	45.7	305	60.0	186	32.8
2004 ...	4,167	70.7	3,646	75.9	2,219	94.0	1,427	58.4	521	47.7	330	63.9	191	33.2
2005 ...	4,365	73.3	3,791	78.2	2,288	96.0	1,503	61.0	574	51.7	334	63.5	240	41.0
2006 ...	4,360	72.6	3,812	78.1	2,306	96.1	1,506	60.7	547	48.6	316	59.4	231	39.0
2007 ...	4,328	71.1	3,817	76.9	2,273	93.2	1,544	61.2	511	45.3	308	57.7	203	34.2
2008 ...	4,281	69.7	3,744	74.9	2,237	91.0	1,507	59.3	537	47.0	327	60.4	210	34.9
2009 ...	4,366	70.4	3,862	76.6	2,250	90.7	1,611	62.9	504	43.4	316	57.5	188	30.8
2010 ...	4,401	69.3	3,873	78.7	2,313	96.1	1,560	62.0	527	37.0	318	46.3	209	28.4
2011 ...	4,291	67.0	3,783	74.3	2,223	89.0	1,560	60.2	508	38.7	324	52.0	184	26.7
2012 ...	4,329	67.1	3,748	73.2	2,159	85.9	1,589	61.0	574	42.9	348	54.7	226	32.2

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.
For more detailed information see Appendix B (page 111) of this Bulletin.
Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV (Continued)-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Malignant Neoplasms of Breast													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	904	17.6	739	17.4	5	0.2	734	33.6	165	18.6	1	0.2	164	34.7
1994 ...	930	17.8	769	17.8	3	0.1	766	34.5	161	17.6	1	0.2	160	33.0
1995 ...	904	17.0	753	17.1	1	0.0	752	33.4	151	16.2	-	-	151	30.5
1996 ...	877	16.2	722	16.2	7	0.3	715	31.3	155	16.2	1	0.2	154	30.4
1997 ...	859	15.6	685	15.1	2	0.1	683	29.5	174	17.9	1	0.2	173	33.5
1998 ...	907	16.3	755	16.5	2	0.1	753	32.2	152	15.3	1	0.2	151	28.7
1999 ...	843	15.0	703	15.2	8	0.4	695	29.4	140	13.8	3	0.6	137	25.6
2000 ...	866	15.2	733	15.7	7	0.3	726	30.6	133	12.9	2	0.4	131	24.1
2001 ...	852	14.9	706	15.0	4	0.2	702	29.4	146	14.0	3	0.6	143	25.9
2002 ...	875	15.1	724	15.3	7	0.3	717	29.8	151	14.3	3	0.6	148	26.5
2003 ...	938	16.1	757	15.9	7	0.3	750	30.9	181	16.8	-	-	181	31.9
2004 ...	886	15.0	716	14.9	2	0.1	714	29.2	170	15.6	2	0.4	168	29.2
2005 ...	931	15.6	743	15.3	5	0.2	738	30.0	187	16.8	2	0.4	185	31.6
2006 ...	893	14.9	713	14.6	8	0.3	705	28.4	179	15.9	-	-	179	30.2
2007 ...	878	14.4	697	14.0	4	0.2	693	27.5	181	16.1	1	0.2	180	30.3
2008 ...	858	14.0	692	13.8	8	0.3	684	26.9	166	14.5	3	0.6	163	27.1
2009 ...	893	14.4	716	14.2	9	0.4	707	27.6	177	15.2	2	0.4	175	28.6
2010 ...	878	13.8	699	14.2	8	0.3	691	27.5	178	12.5	-	-	178	24.2
2011 ...	868	13.6	686	13.5	4	0.2	682	26.3	182	13.9	2	0.3	180	26.1
2012 ...	916	14.2	733	14.3	8	0.3	725	27.8	181	13.5	3	0.5	178	25.3

Year	Diabetes Mellitus													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	1,114	21.7	884	20.8	361	17.5	523	23.9	230	25.9	97	23.3	133	28.1
1994 ...	1,074	20.5	795	18.4	347	16.5	449	20.2	278	30.5	106	24.8	172	35.5
1995 ...	1,230	23.1	951	21.6	405	18.9	545	24.2	279	29.9	90	20.5	190	38.3
1996 ...	1,263	23.3	960	21.5	405	18.6	555	24.3	303	31.7	104	23.1	200	39.5
1997 ...	1,324	24.1	996	22.0	435	19.7	562	24.2	328	33.7	111	24.2	217	42.1
1998 ...	1,358	24.4	1,019	22.3	451	20.2	569	24.3	338	34.0	135	28.8	203	38.6
1999 ...	1,430	25.4	1,054	22.8	466	20.6	588	24.9	376	37.1	136	28.5	240	44.8
2000 ...	1,588	27.9	1,153	24.8	541	23.7	612	25.8	435	42.2	165	33.9	270	49.6
2001 ...	1,746	30.4	1,319	28.1	618	26.9	701	29.3	427	40.9	169	34.2	258	46.8
2002 ...	1,746	30.2	1,308	27.7	604	26.0	704	29.2	438	41.3	151	30.1	287	51.4
2003 ...	1,854	31.7	1,450	30.4	671	28.7	779	32.1	404	37.6	165	32.4	239	42.2
2004 ...	1,880	31.9	1,458	30.3	719	30.5	739	30.2	422	38.6	168	32.5	254	44.1
2005 ...	1,844	30.9	1,425	29.4	697	29.2	728	29.5	418	37.6	169	32.1	249	42.5
2006 ...	1,713	28.5	1,302	26.7	642	26.7	660	26.6	411	36.5	158	29.7	253	42.7
2007 ...	1,690	27.8	1,312	26.4	669	27.4	643	25.5	378	33.5	156	29.2	222	37.4
2008 ...	1,733	28.2	1,329	26.6	635	25.8	694	27.3	404	35.3	154	28.4	250	41.5
2009 ...	1,751	28.2	1,350	26.8	656	26.4	694	27.1	401	34.5	174	31.6	227	37.2
2010 ...	1,678	26.4	1,299	26.4	659	27.4	640	25.4	379	26.6	163	23.7	216	29.3
2011 ...	1,737	27.1	1,339	26.3	706	28.3	633	24.4	398	30.3	174	27.9	224	32.4
2012 ...	1,823	28.2	1,400	27.4	733	29.2	667	25.6	413	30.9	196	30.8	217	30.9

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.
For more detailed information see Appendix B (page 111) of this Bulletin.
Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV (Continued)-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Alzheimer's Disease													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993...	600	11.7	561	13.2	200	9.7	360	16.5	39	4.4	14	3.4	25	5.3
1994...	679	13.0	631	14.6	188	9.0	443	20.0	48	5.3	16	3.7	33	6.8
1995...	736	13.8	693	15.8	233	10.9	460	20.4	44	4.7	16	3.7	28	5.7
1996...	718	13.3	649	14.5	193	8.9	457	20.0	68	7.1	33	7.3	36	7.1
1997...	713	13.0	663	14.7	199	9.0	465	20.1	50	5.1	16	3.5	34	6.6
1998...	691	12.4	631	13.8	186	8.3	444	19.0	61	6.1	22	4.7	39	7.4
1999...	941	16.7	863	18.7	268	11.8	595	25.2	78	7.7	23	4.8	55	10.3
2000...	1,021	17.9	920	19.8	264	11.6	656	27.6	101	9.8	33	6.8	68	12.5
2001...	1,148	20.0	1,043	22.2	302	13.1	741	31.0	105	10.0	36	7.3	69	12.5
2002...	1,296	22.4	1,181	25.0	323	13.9	858	35.6	115	10.9	32	6.4	83	14.9
2003...	1,466	25.1	1,341	28.1	357	15.3	984	40.6	125	11.6	28	5.5	97	17.1
2004...	1,612	27.3	1,459	30.4	385	16.3	1,074	43.9	153	14.0	35	6.8	118	20.5
2005...	2,028	34.0	1,856	38.3	533	22.4	1,323	53.7	172	15.5	47	8.9	125	21.4
2006...	2,109	35.1	1,919	39.3	542	22.6	1,377	55.5	189	16.8	41	7.7	148	25.0
2007...	2,268	37.2	2,055	41.4	588	24.1	1,467	58.1	213	18.9	55	10.3	158	26.6
2008...	2,415	39.3	2,190	43.8	582	23.7	1,608	63.3	225	19.7	62	11.5	163	27.1
2009...	2,197	35.4	2,008	39.8	545	22.0	1,463	57.1	189	16.3	57	10.4	132	21.6
2010...	2,428	38.3	2,180	44.3	626	26.0	1,554	61.8	247	17.3	86	12.5	161	21.8
2011...	2,578	40.3	2,333	45.8	677	27.1	1,656	63.9	244	18.6	58	9.3	186	26.9
2012...	2,416	37.4	2,184	42.7	603	24.0	1,581	60.7	229	17.1	68	10.7	161	22.9

Year	Diseases of Heart													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993...	15,619	304.0	13,253	312.0	6,711	325.1	6,542	299.5	2,366	266.0	1,100	264.1	1,266	267.7
1994...	15,854	303.1	13,581	314.5	6,769	322.3	6,813	307.1	2,272	248.9	1,076	251.3	1,196	246.8
1995...	15,847	297.5	13,494	307.2	6,733	314.7	6,761	300.0	2,352	251.9	1,155	263.6	1,197	241.6
1996...	15,944	294.4	13,489	302.4	6,629	304.9	6,860	300.0	2,456	256.9	1,161	258.3	1,294	255.5
1997...	16,305	296.5	13,812	305.3	6,925	313.9	6,887	297.0	2,492	255.7	1,174	256.0	1,318	255.4
1998...	16,234	291.5	13,791	301.4	6,767	302.9	7,025	300.0	2,442	245.6	1,165	249.0	1,277	242.7
1999...	16,191	287.1	13,694	296.1	6,768	299.0	6,926	293.2	2,495	246.2	1,159	242.5	1,336	249.5
2000...	16,128	283.5	13,597	291.9	6,656	291.6	6,941	292.3	2,530	245.2	1,176	241.3	1,354	248.7
2001...	15,679	273.3	13,419	286.0	6,500	282.5	6,919	289.5	2,257	216.0	1,052	213.0	1,205	218.6
2002...	16,205	280.0	13,785	291.6	6,697	288.7	7,088	294.5	2,418	228.2	1,183	236.2	1,235	221.0
2003...	15,891	272.1	13,395	281.1	6,643	283.9	6,752	278.4	2,496	232.1	1,205	236.9	1,291	227.7
2004...	14,981	254.0	12,735	265.0	6,273	265.7	6,462	264.4	2,244	205.4	1,129	218.5	1,115	193.7
2005...	14,896	250.0	12,666	261.3	6,273	263.2	6,393	259.5	2,230	200.7	1,116	212.2	1,114	190.4
2006...	14,582	242.8	12,380	253.7	6,417	267.4	5,963	240.5	2,200	195.6	1,108	208.1	1,092	184.3
2007...	14,202	233.2	12,116	244.1	6,086	249.4	6,029	238.9	2,084	184.9	1,046	196.1	1,038	174.9
2008...	14,636	238.2	12,525	250.4	6,286	255.6	6,239	245.4	2,108	184.4	1,019	188.2	1,088	180.7
2009...	14,144	228.0	12,156	241.1	6,308	254.3	5,848	228.3	1,988	171.3	1,011	183.9	976	159.7
2010...	14,489	228.3	12,503	254.0	6,476	269.1	6,026	239.5	1,982	139.2	1,009	146.8	973	132.0
2011...	14,154	221.0	12,202	239.7	6,356	254.4	5,845	225.5	1,947	148.3	1,024	164.5	923	133.7
2012...	14,245	220.6	12,343	241.2	6,500	258.7	5,843	224.3	1,881	140.5	992	155.9	889	126.6

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.

For more detailed information see Appendix B (page 111) of this Bulletin.

Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV (Continued)-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Ischemic Heart Disease													
	All Races		White						All Other Races					
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	12,604	245.3	10,943	257.6	5,691	275.7	5,252	240.5	1,661	186.8	791	189.9	870	184.0
1994 ...	12,602	240.9	11,040	255.6	5,723	272.5	5,317	239.7	1,562	171.1	768	179.4	794	163.9
1995 ...	12,650	237.5	10,982	250.0	5,643	263.8	5,339	236.9	1,668	178.7	839	191.5	829	167.3
1996 ...	12,567	232.0	10,912	244.6	5,543	255.0	5,369	234.8	1,655	173.1	797	177.3	858	169.4
1997 ...	12,776	232.3	11,144	246.3	5,738	260.1	5,406	233.2	1,632	167.5	776	169.2	856	165.9
1998 ...	12,530	225.0	10,919	238.6	5,590	250.2	5,329	227.6	1,610	161.9	804	171.8	806	153.2
1999 ...	12,065	214.0	10,422	225.3	5,391	238.2	5,031	213.0	1,641	161.9	778	162.8	863	161.2
2000 ...	12,251	215.3	10,544	226.4	5,404	236.7	5,140	216.5	1,707	165.4	811	166.4	896	164.6
2001 ...	11,939	208.1	10,443	222.6	5,267	228.9	5,176	216.5	1,493	142.9	693	140.3	800	145.1
2002 ...	12,241	211.5	10,595	224.1	5,370	231.5	5,225	217.1	1,644	155.1	827	165.1	817	146.2
2003 ...	11,755	201.3	10,113	212.2	5,238	223.9	4,875	201.0	1,642	152.7	805	158.3	837	147.6
2004 ...	10,987	186.3	9,519	198.1	4,926	208.6	4,593	187.9	1,467	134.3	749	144.9	718	124.7
2005 ...	10,836	181.9	9,420	194.3	4,903	205.7	4,517	183.3	1,416	127.4	713	135.6	703	120.1
2006 ...	10,562	175.9	9,179	188.1	5,038	209.9	4,141	167.0	1,381	122.8	704	132.2	677	114.3
2007 ...	10,265	168.6	8,968	180.7	4,752	194.8	4,216	167.1	1,294	114.8	676	126.7	618	104.1
2008 ...	10,561	171.9	9,260	185.1	4,914	199.8	4,346	171.0	1,299	113.6	633	116.9	665	110.5
2009 ...	10,144	163.5	8,877	176.1	4,853	195.7	4,024	157.1	1,267	109.1	650	118.2	617	101.0
2010 ...	10,273	161.9	9,082	184.5	5,009	208.2	4,072	161.9	1,187	83.3	623	90.6	564	76.5
2011 ...	9,902	154.6	8,718	171.3	4,832	193.4	3,886	149.9	1,180	89.9	642	103.1	538	77.9
2012 ...	9,874	152.9	8,709	170.2	4,846	192.9	3,863	148.3	1,151	86.0	629	98.9	522	74.3

Year	Cerebrovascular Disease													
	All Races		White						All Other Races					
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	4,044	78.7	3,347	78.8	1,247	60.4	2,100	96.1	696	78.3	306	73.5	390	82.5
1994 ...	4,266	81.5	3,523	81.6	1,337	63.7	2,185	98.5	743	81.4	307	71.7	436	90.0
1995 ...	4,485	84.2	3,670	83.5	1,361	63.6	2,309	102.4	814	87.2	344	78.5	470	94.9
1996 ...	4,300	79.4	3,561	79.8	1,349	62.1	2,212	96.7	739	77.3	317	70.5	422	83.3
1997 ...	4,343	79.0	3,605	79.7	1,324	60.0	2,282	98.4	738	75.7	319	69.6	419	81.2
1998 ...	4,170	74.9	3,489	76.2	1,309	58.6	2,180	93.1	681	68.5	303	64.8	378	71.8
1999 ...	4,088	72.5	3,478	75.2	1,230	54.3	2,248	95.2	610	60.2	234	49.0	376	70.2
2000 ...	4,257	74.8	3,591	77.1	1,344	58.9	2,247	94.6	666	64.5	273	56.0	393	72.2
2001 ...	4,038	70.4	3,403	72.5	1,192	51.8	2,211	92.5	634	60.7	276	55.9	358	64.9
2002 ...	3,982	68.8	3,328	70.4	1,164	50.2	2,164	89.9	654	61.7	260	51.9	394	70.5
2003 ...	3,877	66.4	3,278	68.8	1,243	53.1	2,035	83.9	599	55.7	239	47.0	360	63.5
2004 ...	3,669	62.2	3,082	64.1	1,155	48.9	1,927	78.9	587	53.7	260	50.3	327	56.8
2005 ...	3,655	61.3	3,089	63.7	1,154	48.4	1,935	78.5	566	50.9	255	48.5	311	53.1
2006 ...	3,399	56.6	2,820	57.8	1,090	45.4	1,730	69.8	579	51.5	263	49.4	316	53.3
2007 ...	3,427	56.3	2,873	57.9	1,068	43.8	1,805	71.5	554	49.2	244	45.7	310	52.2
2008 ...	3,294	53.6	2,716	54.3	1,024	41.6	1,692	66.6	577	50.5	256	47.3	321	53.3
2009 ...	3,136	50.6	2,618	51.9	1,086	43.8	1,532	59.8	518	44.6	232	42.2	286	46.8
2010 ...	3,178	50.1	2,675	54.3	1,059	44.0	1,616	64.2	502	35.2	211	30.7	291	39.5
2011 ...	3,206	50.1	2,687	52.8	1,058	42.4	1,628	62.8	518	39.5	240	38.5	278	40.3
2012 ...	2,991	46.3	2,485	48.6	1,030	41.0	1,455	55.9	499	37.3	221	34.7	278	39.6

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.
For more detailed information see Appendix B (page 111) of this Bulletin.
Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV (Continued)-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Atherosclerosis													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	359	7.0	310	7.3	118	5.7	193	8.8	49	5.5	17	4.1	32	6.8
1994 ...	367	7.0	305	7.1	126	6.0	179	8.1	62	6.8	20	4.7	41	8.5
1995 ...	388	7.3	348	7.9	141	6.6	207	9.2	40	4.3	21	4.8	19	3.8
1996 ...	381	7.0	336	7.5	136	6.3	200	8.7	44	4.6	19	4.2	25	4.9
1997 ...	367	6.7	331	7.3	113	5.1	218	9.4	37	3.8	15	3.3	21	4.1
1998 ...	337	6.1	292	6.4	107	4.8	185	7.9	45	4.5	13	2.8	32	6.1
1999 ...	322	5.7	289	6.2	94	4.2	195	8.3	33	3.3	15	3.1	18	3.4
2000 ...	337	5.9	296	6.4	109	4.8	187	7.9	41	4.0	13	2.7	28	5.1
2001 ...	328	5.7	298	6.4	119	5.2	179	7.5	30	2.9	16	3.2	14	2.5
2002 ...	314	5.4	271	5.7	87	3.8	184	7.6	43	4.1	16	3.2	27	4.8
2003 ...	284	4.9	256	5.4	86	3.7	170	7.0	28	2.6	11	2.2	17	3.0
2004 ...	269	4.6	246	5.1	75	3.2	171	7.0	23	2.1	7	1.4	16	2.8
2005 ...	270	4.5	238	4.9	97	4.1	141	5.7	32	2.9	12	2.3	20	3.4
2006 ...	166	2.8	143	2.9	48	2.0	95	3.8	23	2.0	12	2.3	11	1.9
2007 ...	137	2.2	121	2.4	44	1.8	77	3.1	16	1.4	3	0.6	13	2.2
2008 ...	165	2.7	154	3.1	52	2.1	102	4.0	11	1.0	6	1.1	5	0.8
2009 ...	160	2.6	147	2.9	50	2.0	97	3.8	13	1.1	4	0.7	9	1.5
2010 ...	135	2.1	120	2.4	57	2.4	63	2.5	15	1.1	8	1.2	7	0.9
2011 ...	128	2.0	117	2.3	56	2.2	61	2.4	11	0.8	3	0.5	8	1.2
2012 ...	107	1.7	100	2.0	52	2.1	48	1.8	7	0.5	2	0.3	5	0.7

Year	Influenza and Pneumonia													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	1,268	24.7	1,093	25.7	475	23.0	619	28.3	175	19.7	89	21.4	85	18.0
1994 ...	1,424	27.2	1,224	28.3	538	25.6	686	30.9	200	21.9	103	24.1	97	20.0
1995 ...	1,316	24.7	1,114	25.4	500	23.4	614	27.2	202	21.6	101	23.0	101	20.4
1996 ...	1,301	24.0	1,095	24.5	491	22.6	605	26.5	205	21.4	103	22.9	103	20.3
1997 ...	1,426	25.9	1,225	27.1	506	22.9	719	31.0	200	20.5	98	21.4	103	20.0
1998 ...	1,562	28.0	1,354	29.6	584	26.1	770	32.9	208	20.9	100	21.4	108	20.5
1999 ...	1,583	28.1	1,411	30.5	614	27.1	797	33.7	172	17.0	72	15.1	100	18.7
2000 ...	1,670	29.4	1,476	31.7	607	26.6	869	36.6	194	18.8	81	16.6	113	20.8
2001 ...	1,618	28.2	1,431	30.5	585	25.4	846	35.4	187	17.9	103	20.9	84	15.2
2002 ...	1,706	29.5	1,517	32.1	664	28.6	853	35.4	189	17.8	94	18.8	95	17.0
2003 ...	1,809	31.0	1,617	33.9	680	29.1	937	38.6	192	17.9	101	19.9	91	16.1
2004 ...	1,565	26.5	1,392	29.0	609	25.8	783	32.0	172	15.7	87	16.8	85	14.8
2005 ...	1,585	26.6	1,424	29.4	627	26.3	797	32.3	161	14.5	82	15.6	79	13.5
2006 ...	1,529	25.5	1,357	27.8	566	23.6	791	31.9	171	15.2	84	15.8	87	14.7
2007 ...	1,425	23.4	1,278	25.7	558	22.9	720	28.5	147	13.0	71	13.3	76	12.8
2008 ...	1,419	23.1	1,280	25.6	568	23.1	712	28.0	139	12.2	67	12.4	72	12.0
2009 ...	1,380	22.2	1,228	24.4	516	20.8	712	27.8	152	13.1	64	11.6	88	14.4
2010 ...	1,347	21.2	1,202	24.4	507	21.1	695	27.6	145	10.2	74	10.8	71	9.6
2011 ...	1,469	22.9	1,310	25.7	611	24.5	699	27.0	159	12.1	65	10.4	94	13.6
2012 ...	1,421	22.0	1,267	24.8	581	23.1	686	26.3	153	11.4	78	12.3	75	10.7

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.
For more detailed information see Appendix B (page 111) of this Bulletin.
Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV (Continued)-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Chronic Lower Respiratory Diseases													
	All Races		White						All Other Races					
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	2,310	45.0	2,121	49.9	1,232	59.7	889	40.7	190	21.4	124	29.8	66	14.0
1994 ...	2,276	43.5	2,122	49.1	1,210	57.6	912	41.1	154	16.9	106	24.8	48	9.9
1995 ...	2,307	43.3	2,107	48.0	1,194	55.8	913	40.5	200	21.4	114	26.0	86	17.4
1996 ...	2,411	44.5	2,220	49.8	1,221	56.2	1,000	43.7	191	20.0	117	26.0	73	14.4
1997 ...	2,591	47.1	2,380	52.6	1,298	58.8	1,081	46.6	212	21.8	123	26.8	89	17.2
1998 ...	2,755	49.5	2,534	55.4	1,399	62.6	1,135	48.5	221	22.2	135	28.8	86	16.3
1999 ...	2,739	48.6	2,513	54.3	1,385	61.2	1,128	47.8	226	22.3	124	25.9	102	19.0
2000 ...	2,882	50.7	2,659	57.1	1,380	60.5	1,279	53.9	223	21.6	131	26.9	92	16.9
2001 ...	2,941	51.3	2,725	58.1	1,375	59.8	1,350	56.5	215	20.6	113	22.9	102	18.5
2002 ...	3,007	52.0	2,789	59.0	1,393	60.0	1,396	58.0	218	20.6	130	26.0	88	15.7
2003 ...	3,066	52.5	2,848	59.8	1,422	60.8	1,426	58.8	218	20.3	133	26.2	85	15.0
2004 ...	2,982	50.6	2,775	57.8	1,382	58.5	1,393	57.0	207	18.9	99	19.2	108	18.8
2005 ...	3,178	53.3	2,933	60.5	1,418	59.5	1,515	61.5	244	22.0	128	24.3	116	19.8
2006 ...	2,972	49.5	2,754	56.4	1,328	55.3	1,426	57.5	218	19.4	123	23.1	95	16.0
2007 ...	3,161	51.9	2,915	58.7	1,420	58.2	1,495	59.2	246	21.8	131	24.6	115	19.4
2008 ...	3,511	57.1	3,256	65.1	1,553	63.1	1,703	67.0	254	22.2	130	24.0	124	20.6
2009 ...	3,485	56.2	3,240	64.3	1,564	63.1	1,676	65.4	245	21.1	127	23.1	118	19.3
2010 ...	3,525	55.5	3,250	66.0	1,497	62.2	1,753	69.7	273	19.2	145	21.1	128	17.4
2011 ...	3,647	57.0	3,413	67.1	1,641	65.7	1,772	68.4	234	17.8	102	16.4	132	19.1
2012 ...	3,658	56.7	3,367	65.8	1,566	62.3	1,801	69.1	284	21.2	134	21.1	150	21.4

Year	Chronic Liver Disease and Cirrhosis													
	All Races		White						All Other Races					
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	507	9.9	427	10.1	286	13.9	141	6.5	80	9.0	51	12.2	29	6.1
1994 ...	529	10.1	450	10.4	282	13.4	168	7.6	79	8.7	51	11.9	28	5.8
1995 ...	511	9.6	423	9.6	284	13.3	139	6.2	88	9.4	55	12.6	33	6.7
1996 ...	547	10.1	468	10.5	312	14.4	156	6.8	80	8.4	53	11.8	27	5.3
1997 ...	598	10.9	509	11.2	331	15.0	178	7.7	89	9.1	54	11.8	35	6.8
1998 ...	560	10.1	488	10.7	333	14.9	156	6.7	72	7.2	50	10.7	22	4.2
1999 ...	547	9.7	488	10.6	318	14.1	170	7.2	59	5.8	44	9.2	15	2.8
2000 ...	595	10.5	519	11.1	350	15.3	169	7.1	76	7.4	52	10.7	24	4.4
2001 ...	613	10.7	540	11.5	358	15.6	182	7.6	73	7.0	53	10.7	20	3.6
2002 ...	608	10.5	554	11.7	362	15.6	192	8.0	54	5.1	35	7.0	19	3.4
2003 ...	702	12.0	616	12.9	425	18.2	191	7.9	86	8.0	61	12.0	25	4.4
2004 ...	633	10.7	566	11.8	385	16.3	181	7.4	67	6.1	46	8.9	21	3.6
2005 ...	635	10.7	564	11.6	380	15.9	184	7.5	71	6.4	46	8.7	25	4.3
2006 ...	634	10.6	580	11.9	389	16.2	191	7.7	54	4.8	34	6.4	20	3.4
2007 ...	618	10.1	550	11.1	371	15.2	179	7.1	68	6.0	46	8.6	22	3.7
2008 ...	660	10.7	596	11.9	391	15.9	205	8.1	64	5.6	39	7.2	25	4.2
2009 ...	698	11.3	624	12.4	416	16.8	208	8.1	74	6.4	48	8.7	26	4.3
2010 ...	732	11.5	653	13.3	433	18.0	220	8.7	79	5.5	49	7.1	30	4.1
2011 ...	771	12.0	695	13.7	452	18.1	243	9.4	76	5.8	50	8.0	26	3.8
2012 ...	807	12.5	712	13.9	464	18.5	248	9.5	91	6.8	56	8.8	35	5.0

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.

For more detailed information see Appendix B (page 111) of this Bulletin.

Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV (Continued)-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Congenital Malformations, Deformations, and Chromosomal Abnormalities													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	197	3.8	157	3.7	79	3.8	78	3.6	41	4.6	27	6.5	14	3.0
1994 ...	221	4.2	165	3.8	76	3.6	89	4.0	56	6.1	27	6.3	29	6.0
1995 ...	212	4.0	159	3.6	86	4.0	73	3.2	53	5.7	26	5.9	26	5.2
1996 ...	201	3.7	152	3.4	82	3.8	70	3.1	48	5.0	22	4.9	26	5.1
1997 ...	211	3.8	163	3.6	83	3.8	80	3.5	47	4.8	28	6.1	19	3.7
1998 ...	229	4.1	172	3.8	84	3.8	88	3.8	57	5.7	25	5.3	32	6.1
1999 ...	200	3.5	154	3.3	82	3.6	72	3.0	46	4.5	20	4.2	26	4.9
2000 ...	231	4.1	178	3.8	79	3.5	99	4.2	53	5.1	29	5.9	24	4.4
2001 ...	265	4.6	192	4.1	90	3.9	102	4.3	73	7.0	32	6.5	41	7.4
2002 ...	258	4.5	199	4.2	103	4.4	96	4.0	59	5.6	36	7.2	23	4.1
2003 ...	260	4.5	208	4.4	104	4.4	104	4.3	52	4.8	32	6.3	20	3.5
2004 ...	226	3.8	172	3.6	86	3.6	86	3.5	54	4.9	24	4.6	30	5.2
2005 ...	235	3.9	195	4.0	96	4.0	99	4.0	40	3.6	23	4.4	17	2.9
2006 ...	249	4.1	183	3.8	98	4.1	85	3.4	65	5.8	33	6.2	31	5.2
2007 ...	237	3.9	181	3.6	104	4.3	77	3.1	56	5.0	28	5.2	27	4.6
2008 ...	249	4.1	189	3.8	102	4.1	86	3.4	59	5.2	33	6.1	26	4.3
2009 ...	225	3.6	166	3.3	81	3.3	84	3.3	58	5.0	36	6.5	22	3.6
2010 ...	247	3.9	192	3.9	102	4.2	90	3.6	55	3.9	35	5.1	20	2.7
2011 ...	246	3.8	194	3.8	104	4.2	90	3.5	52	4.0	34	5.5	18	2.6
2012 ...	243	3.8	187	3.7	101	4.0	85	3.3	52	3.9	25	3.9	27	3.8

Year	Pregnancy, Childbirth, and the Puerperium**					
	All Races		White		All Other Races	
	Total		Female		Female	
	No.	Rate	No.	Rate	No.	Rate
1993 ...	2	0.3	2	0.4	-	-
1994 ...	7	1.0	3	0.5	4	2.3
1995 ...	2	0.3	1	0.2	1	0.6
1996 ...	9	1.2	7	1.2	2	1.1
1997 ...	5	0.7	1	0.2	4	2.3
1998 ...	6	0.8	4	0.7	2	1.1
1999 ...	12	1.5	3	0.5	9	5.0
2000 ...	8	1.0	3	0.5	5	2.7
2001 ...	11	1.4	6	1.0	5	2.7
2002 ...	10	1.3	4	0.7	6	3.3
2003 ...	7	0.9	3	0.5	4	2.2
2004 ...	9	1.1	4	0.6	5	2.8
2005 ...	6	0.7	1	0.2	5	2.7
2006 ...	9	1.1	3	0.5	6	3.1
2007 ...	6	0.7	2	0.3	4	2.0
2008 ...	9	1.1	4	0.6	5	2.5
2009 ...	10	1.2	3	0.5	7	3.4
2010 ...	8	1.0	2	0.3	6	3.2
2011 ...	6	0.8	4	0.7	2	1.1
2012 ...	37	4.6	22	3.6	15	8.0

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.

For more detailed information see Appendix B (page 111) of this Bulletin.

Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.

**For explanation of rates by race, see maternal death rate, Appendix A (page 109).

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV (Continued)-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Accidents													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	2,369	46.1	1,982	46.7	1,282	62.1	700	32.0	387	43.5	248	59.6	139	29.4
1994 ...	2,340	44.7	1,960	45.4	1,299	61.8	661	29.8	380	41.6	261	61.0	120	24.8
1995 ...	2,443	45.9	2,058	46.8	1,384	64.7	674	29.9	384	41.1	254	58.0	131	26.4
1996 ...	2,584	47.7	2,181	48.9	1,439	66.2	742	32.4	399	41.7	251	55.8	147	29.0
1997 ...	2,457	44.7	2,039	45.1	1,319	59.8	720	31.1	416	42.7	295	64.3	122	23.6
1998 ...	2,573	46.2	2,218	48.5	1,448	64.8	770	32.9	356	35.8	259	55.3	97	18.4
1999 ...	2,635	46.7	2,237	48.4	1,422	62.8	815	34.5	398	39.3	269	56.3	129	24.1
2000 ...	2,723	47.9	2,303	49.4	1,491	65.3	812	34.2	419	40.6	274	56.2	145	26.6
2001 ...	2,710	47.2	2,309	49.2	1,517	65.9	791	33.1	395	37.8	275	55.7	120	21.8
2002 ...	2,715	46.9	2,342	49.5	1,470	63.4	872	36.2	371	35.0	249	49.7	122	21.8
2003 ...	2,990	51.2	2,645	55.5	1,611	68.8	1,034	42.6	344	32.0	227	44.6	117	20.6
2004 ...	3,120	52.9	2,726	56.7	1,735	73.5	991	40.6	388	35.5	268	51.9	120	20.8
2005 ...	3,117	52.3	2,687	55.4	1,671	70.1	1,016	41.2	428	38.5	297	56.5	131	22.4
2006 ...	3,266	54.4	2,816	57.7	1,706	71.1	1,108	44.7	448	39.8	313	58.8	135	22.8
2007 ...	3,206	52.6	2,755	55.5	1,728	70.8	1,027	40.7	449	39.8	326	61.1	123	20.7
2008 ...	3,220	52.4	2,822	56.4	1,774	72.1	1,048	41.2	397	34.7	269	49.7	127	21.1
2009 ...	3,148	50.8	2,764	54.8	1,680	67.7	1,084	42.3	383	33.0	253	46.0	130	21.3
2010 ...	3,472	54.7	3,015	61.3	1,835	76.3	1,180	46.9	453	31.8	312	45.4	141	19.1
2011 ...	3,400	53.1	2,993	58.8	1,815	72.7	1,178	45.4	406	30.9	261	41.9	145	21.0
2012 ...	3,302	51.1	2,944	57.5	1,769	70.4	1,175	45.1	345	25.8	236	37.1	109	15.5

Year	Motor Vehicle Accidents													
	All Races		White				All Other Races							
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	1,026	20.0	879	20.7	574	27.8	305	14.0	147	16.5	99	23.8	48	10.1
1994 ...	1,075	20.5	924	21.4	605	28.8	319	14.4	151	16.5	98	22.9	53	10.9
1995 ...	1,099	20.6	933	21.2	651	30.4	282	12.5	165	17.7	113	25.8	53	10.7
1996 ...	1,123	20.7	964	21.6	644	29.6	320	14.0	159	16.6	96	21.4	63	12.4
1997 ...	1,073	19.5	906	20.0	619	28.1	287	12.4	166	17.0	118	25.7	49	9.5
1998 ...	1,035	18.6	893	19.5	600	26.9	292	12.5	142	14.3	109	23.3	33	6.3
1999 ...	1,275	22.6	1,099	23.8	757	33.4	342	14.5	176	17.4	118	24.7	58	10.8
2000 ...	1,376	24.2	1,168	25.1	787	34.5	381	16.0	208	20.2	136	27.9	72	13.2
2001 ...	1,301	22.7	1,097	23.4	784	34.1	313	13.1	201	19.2	140	28.4	61	11.1
2002 ...	1,234	21.3	1,058	22.4	716	30.9	342	14.2	175	16.5	121	24.2	54	9.7
2003 ...	1,298	22.2	1,135	23.8	745	31.8	390	16.1	163	15.2	113	22.2	50	8.8
2004 ...	1,372	23.3	1,193	24.8	827	35.0	366	15.0	173	15.8	123	23.8	50	8.7
2005 ...	1,288	21.6	1,102	22.7	751	31.5	351	14.2	186	16.7	133	25.3	53	9.1
2006 ...	1,356	22.6	1,141	23.4	751	31.3	390	15.7	215	19.1	153	28.7	62	10.5
2007 ...	1,274	20.9	1,089	21.9	752	30.8	337	13.4	184	16.3	142	26.6	42	7.1
2008 ...	1,142	18.6	973	19.5	691	28.1	282	11.1	168	14.7	125	23.1	42	7.0
2009 ...	1,018	16.4	861	17.1	587	23.7	274	10.7	157	13.5	110	20.0	47	7.7
2010 ...	1,069	16.8	926	18.8	627	26.1	299	11.9	140	9.8	102	14.8	38	5.2
2011 ...	997	15.6	848	16.7	600	24.0	248	9.6	149	11.3	95	15.3	54	7.8
2012 ...	958	14.8	824	16.1	604	24.0	220	8.4	129	9.6	98	15.4	31	4.4

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.

For more detailed information see Appendix B (page 111) of this Bulletin.

Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE IV (Continued)-COMPARABILITY MODIFIED DEATHS FOR SELECTED CAUSES WITH RATES PER 100,000 POPULATION, BY RACE AND SEX
RESIDENT DATA, TENNESSEE, 1993-2012

Year	Intentional Self-harm (Suicide)													
	All Races		White						All Other Races					
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	696	13.5	628	14.8	497	24.1	131	6.0	69	7.8	62	14.9	7	1.5
1994 ...	660	12.6	597	13.8	488	23.2	109	4.9	64	7.0	56	13.1	8	1.7
1995 ...	676	12.7	614	14.0	502	23.5	112	5.0	63	6.7	55	12.6	8	1.6
1996 ...	707	13.1	639	14.3	523	24.1	116	5.1	69	7.2	62	13.8	7	1.4
1997 ...	751	13.7	669	14.8	530	24.0	139	6.0	82	8.4	66	14.4	16	3.1
1998 ...	737	13.2	688	15.0	553	24.7	135	5.8	49	4.9	36	7.7	13	2.5
1999 ...	718	12.7	664	14.4	532	23.5	132	5.6	53	5.2	47	9.8	6	1.1
2000 ...	727	12.8	671	14.4	539	23.6	132	5.6	56	5.4	43	8.8	13	2.4
2001 ...	709	12.4	643	13.7	525	22.8	118	4.9	66	6.3	52	10.5	14	2.5
2002 ...	778	13.4	714	15.1	557	24.0	157	6.5	63	5.9	54	10.8	9	1.6
2003 ...	760	13.0	698	14.6	542	23.2	156	6.4	62	5.8	53	10.4	9	1.6
2004 ...	791	13.4	731	15.2	577	24.4	154	6.3	59	5.4	49	9.5	10	1.7
2005 ...	851	14.3	786	16.2	634	26.6	152	6.2	64	5.8	57	10.8	7	1.2
2006 ...	866	14.4	804	16.5	619	25.8	185	7.5	59	5.2	52	9.8	7	1.2
2007 ...	833	13.7	770	15.5	581	23.8	189	7.5	63	5.6	51	9.6	12	2.0
2008 ...	965	15.7	880	17.6	674	27.4	206	8.1	85	7.4	69	12.7	16	2.7
2009 ...	939	15.1	872	17.3	695	28.0	177	6.9	66	5.7	49	8.9	17	2.8
2010 ...	932	14.7	859	17.5	662	27.5	197	7.8	73	5.1	60	8.7	13	1.8
2011 ...	938	14.6	887	17.4	692	27.7	195	7.5	51	3.9	41	6.6	10	1.4
2012 ...	956	14.8	877	17.1	689	27.4	188	7.2	75	5.6	60	9.4	15	2.1

Year	Assault (Homicide)													
	All Races		White						All Other Races					
	Total		Total		Male		Female		Total		Male		Female	
	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate	No.	Rate
1993 ...	579	11.3	235	5.5	172	8.3	63	2.9	344	38.7	275	66.0	70	14.8
1994 ...	540	10.3	230	5.3	160	7.6	70	3.2	310	34.0	251	58.6	60	12.4
1995 ...	584	11.0	255	5.8	186	8.7	69	3.1	328	35.1	282	64.4	47	9.5
1996 ...	535	9.9	242	5.4	165	7.6	77	3.4	294	30.8	244	54.3	50	9.9
1997 ...	552	10.0	275	6.1	204	9.2	71	3.1	278	28.5	233	50.8	45	8.7
1998 ...	487	8.7	231	5.0	169	7.6	62	2.6	257	25.8	206	44.0	51	9.7
1999 ...	419	7.4	201	4.3	136	6.0	65	2.8	218	21.5	175	36.6	43	8.0
2000 ...	470	8.3	207	4.4	146	6.4	61	2.6	263	25.5	210	43.1	53	9.7
2001 ...	453	7.9	204	4.3	135	5.9	69	2.9	248	23.7	197	39.9	51	9.3
2002 ...	466	8.1	219	4.6	154	6.6	65	2.7	246	23.2	193	38.5	53	9.5
2003 ...	435	7.4	211	4.4	138	5.9	73	3.0	224	20.8	185	36.4	39	6.9
2004 ...	415	7.0	213	4.4	152	6.4	61	2.5	202	18.5	173	33.5	29	5.0
2005 ...	492	8.3	233	4.8	168	7.0	65	2.6	259	23.3	220	41.8	39	6.7
2006 ...	482	8.0	228	4.7	166	6.9	62	2.5	253	22.5	214	40.2	39	6.6
2007 ...	468	7.7	209	4.2	159	6.5	50	2.0	259	23.0	222	41.6	37	6.2
2008 ...	480	7.8	208	4.2	151	6.1	57	2.2	272	23.8	226	41.7	46	7.6
2009 ...	491	7.9	225	4.5	159	6.4	66	2.6	266	22.9	231	42.0	35	5.7
2010 ...	409	6.4	209	4.2	144	6.0	65	2.6	200	14.0	170	24.7	30	4.1
2011 ...	442	6.9	200	3.9	139	5.6	61	2.4	242	18.4	199	32.0	43	6.2
2012 ...	456	7.1	199	3.9	138	5.5	61	2.3	255	19.0	218	34.3	37	5.3

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.
For more detailed information see Appendix B (page 111) of this Bulletin.
Totals may include one or more deaths with race and/or sex not stated or may not add due to rounding in the application of the comparability ratio process.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE V-DEATHS ACCORDING TO SELECTED CAUSES (10TH REV. ICD), BY RACE, SEX, AND AGE
RESIDENT DATA, TENNESSEE, 2012

Cause of Death		Age at Death													
		All Deaths	Under 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years
All Causes	All Races	61,164	576	110	48	51	285	424	1,104	1,980	5,117	9,032	11,723	14,864	15,850
	White M	26,302	193	42	22	22	151	209	543	939	2,556	4,439	5,723	6,511	4,952
	F	26,228	163	37	14	13	53	89	280	643	1,598	2,794	4,367	6,749	9,428
	Black M	4,239	116	14	8	7	61	91	168	211	555	1,005	843	706	454
	F	3,932	84	13	4	7	17	31	95	161	364	702	706	798	950
Salmonella infections (A01-A02)	All Races	2	-	-	-	-	-	1	-	-	-	-	1	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	2	-	-	-	-	-	1	-	-	-	-	1	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Shigellosis and amebiasis (A03, A06)	All Races	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Certain other intestinal infections (A04, A07-A09)*	All Races	274	4	-	-	-	-	1	3	3	10	21	38	82	112
	White M	91	1	-	-	-	-	-	-	-	5	10	17	25	33
	F	160	-	-	-	-	-	-	3	2	4	8	17	52	74
	Black M	5	1	-	-	-	-	-	-	-	-	-	2	2	-
	F	16	1	-	-	-	-	-	-	1	1	3	2	3	5
Tuberculosis (A16-A19)	All Races	12	-	1	-	-	-	-	-	-	2	2	1	4	2
	White M	4	-	-	-	-	-	-	-	-	1	-	-	3	-
	F	6	-	-	-	-	-	-	-	-	1	2	1	1	1
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Whooping cough (A37)	All Races	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Scarlet fever and erysipelas (A38, A46)	All Races	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Meningococcal infection (A39)	All Races	2	-	-	-	-	1	-	-	-	1	-	-	-	-
	White M	1	-	-	-	-	1	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	1	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Septicemia (A40-A41)	All Races	706	3	-	2	-	3	2	7	17	70	101	143	209	149
	White M	270	1	-	1	-	2	-	2	8	29	43	52	82	50
	F	341	1	-	-	-	1	2	3	5	27	41	66	109	86
	Black M	46	1	-	1	-	-	-	2	3	8	7	12	6	6
	F	46	-	-	-	-	-	-	-	1	6	9	11	12	7
Syphilis (A50-A53)	All Races	1	-	-	-	-	-	-	-	-	-	-	1	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	1	-
F	1	-	-	-	-	-	-	-	-	-	-	-	-	-	

Totals may include one or more deaths with age, race, and/or sex not stated.

*Included in "Certain other intestinal infections (A04, A07-A09)" shown above. Enterocolitis due to Clostridium difficile (A04.7) is shown separately at the bottom of tables showing 113 selected causes (Page 46) and is included in the list of rankable causes.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE V (Continued)-DEATHS ACCORDING TO SELECTED CAUSES (10TH REV. ICD), BY RACE, SEX, AND AGE
RESIDENT DATA, TENNESSEE, 2012

Cause of Death		Age at Death													
		All Deaths	Under 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years
Acute poliomyelitis (A80)	All Races	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Arthropod-borne viral encephalitis (A83-A84, A85.2)	All Races	1	-	-	1	-	-	-	-	-	-	-	-	-	-
	White M	1	-	-	1	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Measles (B05)	All Races	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Viral hepatitis (B15-B19)	All Races	267	-	-	-	-	-	-	13	82	125	24	17	6	-
	White M	149	-	-	-	-	-	-	7	53	73	12	1	3	-
	F	70	-	-	-	-	-	-	4	20	28	6	9	3	-
	Black M	26	-	-	-	-	-	-	1	7	15	1	3	-	-
	F	13	-	-	-	-	-	1	1	5	5	1	-	-	
Human immunodeficiency virus (HIV) disease (B20-B24)	All Races	176	-	-	-	-	1	28	44	56	38	8	1	-	-
	White M	56	-	-	-	-	-	4	12	21	15	3	1	-	-
	F	14	-	-	-	-	-	1	6	4	2	1	-	-	-
	Black M	68	-	-	-	-	1	14	11	25	14	3	-	-	-
	F	38	-	-	-	-	-	9	15	6	7	1	-	-	
Malaria (B50-B54)	All Races	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other and unspecified infectious and parasitic diseases and their sequelae (A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99)	All Races	121	3	-	-	-	-	-	4	2	11	22	31	30	18
	White M	53	-	-	-	-	-	-	1	-	4	11	16	13	8
	F	58	2	-	-	-	-	-	3	1	3	9	15	16	9
	Black M	7	-	-	-	-	-	-	-	-	4	2	-	1	-
	F	3	1	-	-	-	-	-	1	-	-	-	-	1	
Malignant neoplasms (C00-C97)	All Races	13,633	2	13	5	10	14	16	74	273	1,267	2,918	3,894	3,364	1,783
	White M	6,311	1	8	4	3	8	5	33	93	546	1,365	1,920	1,619	706
	F	5,280	1	4	1	4	3	6	21	128	461	970	1,455	1,355	871
	Black M	1,051	-	1	-	2	1	3	8	15	132	337	260	203	89
	F	884	-	-	-	1	2	1	10	34	116	213	231	169	107
In situ neoplasms, benign neoplasms, and neoplasms of uncertain or unknown behavior (D00-D48)	All Races	285	2	2	-	2	-	-	8	7	17	36	51	97	63
	White M	135	1	-	-	1	-	-	4	4	6	22	30	48	19
	F	119	1	1	-	1	-	-	2	3	10	10	16	42	33
	Black M	16	-	1	-	-	-	-	2	-	-	2	2	5	4
	F	12	-	-	-	-	-	-	-	1	2	3	-	6	
Anemias (D50-D64)	All Races	91	1	1	1	1	1	2	3	2	6	3	11	28	31
	White M	33	-	1	-	-	-	1	-	-	5	2	4	12	8
	F	45	1	-	1	-	-	-	1	-	-	1	5	14	22
	Black M	4	-	-	-	-	-	-	-	2	1	-	-	1	-
	F	9	-	-	-	1	1	1	2	-	-	2	1	1	

Totals may include one or more deaths with age, race, and/or sex not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE V (Continued)-DEATHS ACCORDING TO SELECTED CAUSES (10TH REV. ICD), BY RACE, SEX, AND AGE
RESIDENT DATA, TENNESSEE, 2012

Cause of Death		Age at Death													
		All Deaths	Under 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years
Diabetes mellitus (E10-E14)	All Races	1,823	-	1	-	-	3	4	20	73	165	339	445	438	335
	White M	733	-	1	-	-	-	2	8	25	75	142	208	185	87
	F	667	-	-	-	-	-	1	4	18	38	109	136	170	191
	Black M	193	-	-	-	-	-	1	2	12	31	50	47	30	20
	F	210	-	-	-	3	-	5	16	21	36	49	46	34	
Nutritional deficiencies (E40-E64)	All Races	103	-	-	1	-	-	-	1	2	-	16	16	29	38
	White M	40	-	-	-	-	-	-	1	1	-	8	5	16	9
	F	48	-	-	1	-	-	-	-	1	-	4	10	10	22
	Black M	8	-	-	-	-	-	-	-	-	-	4	1	1	2
	F	7	-	-	-	-	-	-	-	-	-	-	2	5	
Meningitis (G00, G03)	All Races	12	-	-	2	1	-	-	1	1	2	3	1	1	-
	White M	6	-	-	1	-	-	-	1	1	-	2	1	-	-
	F	3	-	-	1	1	-	-	-	-	-	-	-	1	-
	Black M	2	-	-	-	-	-	-	-	-	1	1	-	-	-
	F	1	-	-	-	-	-	-	-	1	-	-	-	-	
Parkinson's disease (G20-G21)	All Races	491	-	-	-	-	-	-	-	-	2	14	75	208	192
	White M	279	-	-	-	-	-	-	-	2	7	49	117	104	
	F	187	-	-	-	-	-	-	-	-	5	22	79	81	
	Black M	16	-	-	-	-	-	-	-	-	1	2	7	6	
	F	9	-	-	-	-	-	-	-	1	2	5	1		
Alzheimer's disease (G30)	All Races	2,416	-	-	-	-	-	-	-	-	1	26	158	771	1,460
	White M	603	-	-	-	-	-	-	-	1	11	49	233	309	
	F	1,581	-	-	-	-	-	-	-	-	13	89	457	1,022	
	Black M	66	-	-	-	-	-	-	-	-	2	6	31	27	
	F	156	-	-	-	-	-	-	-	-	12	46	98		
Diseases of heart (I00-I09, I11, I13, I20-I51)	All Races	14,245	17	3	3	1	7	11	96	321	1,120	2,131	2,689	3,410	4,436
	White M	6,500	6	1	2	-	4	5	41	178	630	1,146	1,436	1,576	1,475
	F	5,843	7	-	1	-	-	3	27	76	282	545	859	1,447	2,596
	Black M	956	3	1	-	-	2	1	15	44	136	253	229	162	110
	F	858	-	1	-	1	1	2	12	21	63	171	148	202	236
Essential hypertension and hypertensive renal disease (I10, I12, I15)**	All Races	673	1	-	-	-	-	1	7	8	29	74	95	183	275
	White M	179	-	-	-	-	-	1	3	1	7	28	29	52	58
	F	344	1	-	-	-	-	-	1	4	5	27	35	100	171
	Black M	63	-	-	-	-	-	-	1	1	11	9	19	13	9
	F	82	-	-	-	-	-	2	2	6	8	11	16	37	
Cerebrovascular diseases (I60-I69)	All Races	2,991	2	-	1	-	-	3	13	43	151	314	478	907	1,079
	White M	1,030	2	-	1	-	-	1	3	18	59	123	202	341	280
	F	1,455	-	-	-	-	-	2	5	12	45	77	176	455	683
	Black M	206	-	-	-	-	-	-	2	4	25	57	43	45	30
	F	265	-	-	-	-	-	3	8	21	49	47	60	77	
Atherosclerosis (I70)	All Races	107	-	-	-	-	-	-	-	1	5	12	12	21	56
	White M	52	-	-	-	-	-	-	-	1	4	8	9	11	19
	F	48	-	-	-	-	-	-	-	-	-	2	3	8	35
	Black M	2	-	-	-	-	-	-	-	-	1	2	-	-	-
	F	5	-	-	-	-	-	-	-	-	-	-	2	2	
Other diseases of circulatory system (I71-I78)	All Races	391	-	-	-	-	2	-	3	8	24	59	84	108	103
	White M	180	-	-	-	-	1	-	2	5	12	35	40	54	31
	F	157	-	-	-	-	1	-	1	7	14	33	43	58	
	Black M	24	-	-	-	-	-	-	1	2	2	5	7	5	2
	F	28	-	-	-	-	-	-	-	3	5	4	4	12	

Totals may include one or more deaths with age, race, and/or sex not stated.
 **Cause-of-death title was changed in 2006 to reflect the addition of Secondary hypertension (ICD-10 code I15).
 Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE V (Continued)-DEATHS ACCORDING TO SELECTED CAUSES (10TH REV. ICD), BY RACE, SEX, AND AGE
RESIDENT DATA, TENNESSEE, 2012

Cause of Death		Age at Death													
		All Deaths	Under 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years
Other disorders of circulatory system (I80-I99)	All Races	95	1	-	-	-	-	-	2	12	9	12	15	20	24
	White M	40	-	-	-	-	-	-	1	4	6	6	8	9	6
	F	44	1	-	-	-	-	-	1	6	2	4	6	9	15
	Black M	4	-	-	-	-	-	-	1	-	2	1	-	-	-
	F	7	-	-	-	-	-	-	1	1	-	-	2	3	
Influenza and pneumonia (J09-J18)*	All Races	1,421	1	3	2	1	-	7	7	20	55	132	216	352	625
	White M	581	-	1	-	1	-	4	2	5	25	63	102	168	210
	F	686	1	-	1	-	-	1	3	10	21	48	82	154	365
	Black M	76	-	1	1	-	-	2	-	1	5	13	18	14	21
	F	71	-	1	-	-	-	1	3	3	7	14	15	27	
Other acute lower respiratory infections (J20-J22, U04)**	All Races	5	-	-	-	-	-	-	-	2	-	-	-	-	3
	White M	2	-	-	-	-	-	-	-	1	-	-	-	-	1
	F	2	-	-	-	-	-	-	-	-	-	-	-	-	2
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	1	-	-	-	-	-	
Chronic lower respiratory diseases (J40-J47)	All Races	3,658	2	-	1	-	3	2	6	23	182	502	1,001	1,183	753
	White M	1,566	2	-	-	-	1	-	1	7	60	221	444	540	290
	F	1,801	-	-	-	-	-	1	2	10	102	228	477	569	412
	Black M	130	-	-	-	-	1	-	2	3	7	27	34	36	20
	F	143	-	-	1	-	-	1	1	3	11	25	42	31	28
Pneumoconioses and chemical effects (J60-J66, J68)	All Races	24	-	-	-	-	-	-	-	-	-	5	8	5	6
	White M	22	-	-	-	-	-	-	-	-	-	4	8	4	6
	F	2	-	-	-	-	-	-	-	-	-	1	-	1	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pneumonitis due to solids and liquids (J69)	All Races	543	-	-	-	-	-	2	3	9	24	37	65	169	234
	White M	268	-	-	-	-	-	1	2	4	12	15	41	86	107
	F	221	-	-	-	-	-	-	1	3	6	13	17	72	109
	Black M	21	-	-	-	-	-	-	-	-	2	5	4	3	7
	F	27	-	-	-	-	-	1	-	2	4	4	3	4	9
Other diseases of respiratory system (J00-J06, J30-J39, J67, J70-J98)	All Races	644	6	1	-	-	3	3	4	19	39	80	141	216	132
	White M	295	3	-	-	-	-	2	-	7	18	38	72	105	50
	F	280	1	-	-	-	-	-	1	10	16	30	55	99	68
	Black M	23	-	-	-	-	2	-	1	1	4	8	1	1	6
	F	42	2	1	-	-	1	1	2	1	4	7	6	9	8
Peptic ulcer (K25-K28)	All Races	85	-	-	-	-	-	-	3	1	14	12	14	23	18
	White M	40	-	-	-	-	-	-	1	-	5	7	10	11	6
	F	35	-	-	-	-	-	-	1	1	7	4	3	10	9
	Black M	5	-	-	-	-	-	-	1	-	2	-	1	1	-
	F	4	-	-	-	-	-	-	-	-	1	-	-	3	
Diseases of appendix (K35-K38)	All Races	6	-	-	-	-	-	1	-	1	-	1	2	-	1
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	6	-	-	-	-	-	1	-	1	-	1	2	-	1
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hernia (K40-K46)	All Races	47	1	-	-	-	-	-	1	3	4	9	4	15	10
	White M	16	1	-	-	-	-	-	1	1	1	4	3	2	3
	F	22	-	-	-	-	-	-	-	1	-	5	1	11	4
	Black M	5	-	-	-	-	-	-	-	-	2	-	-	1	2
	F	4	-	-	-	-	-	-	1	1	-	-	1	1	

Totals may include one or more deaths with age, race, and/or sex not stated.
 *New ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.
 **New ICD-10 code U04 (Severe acute respiratory syndrome (SARS)) was added to the category in 2007.
 Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE V (Continued)-DEATHS ACCORDING TO SELECTED CAUSES (10TH REV. ICD), BY RACE, SEX, AND AGE
RESIDENT DATA, TENNESSEE, 2012

Cause of Death		Age at Death													
		All Deaths	Under 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years
Chronic liver disease and cirrhosis (K70, K73-K74)	All Races	807	-	-	-	-	-	3	10	54	208	253	150	98	31
	White M	464	-	-	-	-	-	3	8	23	129	160	81	44	16
	F	248	-	-	-	-	-	-	2	19	56	57	55	45	14
	Black M	54	-	-	-	-	-	-	-	5	14	21	8	5	1
	F	32	-	-	-	-	-	-	-	5	7	14	5	1	-
Cholelithiasis and other disorders of gallbladder (K80-K82)	All Races	68	-	-	-	-	-	-	1	-	6	6	13	22	20
	White M	26	-	-	-	-	-	-	-	-	-	5	5	8	8
	F	32	-	-	-	-	-	-	-	-	2	-	7	11	12
	Black M	6	-	-	-	-	-	-	1	-	3	1	-	1	-
	F	3	-	-	-	-	-	-	-	-	1	-	-	2	-
Nephritis, nephrotic syndrome and nephrosis (N00-N07, N17-N19, N25-N27)	All Races	930	4	-	1	-	-	3	4	29	53	102	171	271	292
	White M	358	-	-	1	-	-	-	1	9	15	38	72	120	102
	F	370	2	-	-	-	-	1	-	10	16	26	59	112	144
	Black M	97	2	-	-	-	-	-	-	5	10	19	25	20	16
	F	94	-	-	-	-	-	2	3	5	12	18	13	16	25
Infections of kidney (N10-N12, N13.6, N15.1)	All Races	20	-	-	-	-	-	-	1	-	-	3	4	4	8
	White M	6	-	-	-	-	-	-	-	-	-	-	1	2	3
	F	13	-	-	-	-	-	-	1	-	-	2	3	2	5
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	-	-	-	-	-	-	-	-	1	-	-	-
Hyperplasia of prostate (N40)	All Races	12	-	-	-	-	-	-	-	-	-	-	1	4	7
	White M	12	-	-	-	-	-	-	-	-	-	-	1	4	7
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inflammatory diseases of female pelvic organs (N70-N76)	All Races	2	-	-	-	-	-	-	-	2	-	-	-	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	2	-	-	-	-	-	-	-	2	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pregnancy, childbirth and the puerperium (O00-O99)	All Races	37	-	-	-	-	3	5	18	7	4	-	-	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	22	-	-	-	-	2	3	10	4	3	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	15	-	-	-	-	1	2	8	3	1	-	-	-	-
Certain conditions originating in the perinatal period (P00-P96)	All Races	244	241	2	1	-	-	-	-	-	-	-	-	-	-
	White M	68	67	1	-	-	-	-	-	-	-	-	-	-	-
	F	68	68	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	57	56	1	-	-	-	-	-	-	-	-	-	-	-
	F	42	41	-	1	-	-	-	-	-	-	-	-	-	-
Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	All Races	243	109	13	4	2	4	3	11	14	19	19	21	13	11
	White M	101	38	6	1	2	2	1	9	1	12	13	10	5	1
	F	85	30	4	1	-	-	1	1	11	6	5	10	7	9
	Black M	25	15	1	2	-	1	1	1	1	1	1	1	1	1
	F	25	19	2	-	-	1	-	-	1	1	-	-	1	-
Symptoms, signs and abnormal clinical & laboratory findings, not elsewhere classified (R00-R99)	All Races	1,163	117	12	3	5	8	14	39	70	125	157	128	179	306
	White M	467	40	4	1	1	5	9	24	36	64	74	69	70	70
	F	515	33	3	1	1	2	2	12	28	46	51	38	90	208
	Black M	90	29	1	1	-	-	2	1	4	9	21	11	8	3
	F	84	13	3	-	2	1	1	2	2	5	10	9	11	25

Totals may include one or more deaths with age, race, and/or sex not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE V (Continued)-DEATHS ACCORDING TO SELECTED CAUSES (10TH REV. ICD), BY RACE, SEX, AND AGE
RESIDENT DATA, TENNESSEE, 2012

Cause of Death		Age at Death													
		All Deaths	Under 1 Year	1-4 Years	5-9 Years	10-14 Years	15-19 Years	20-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65-74 Years	75-84 Years	85+ Years
All other diseases (Residual)	All Races	7,089	7	10	5	5	19	28	88	180	466	759	999	1,846	2,677
(D65-E07, E15-E34, E65-F99, White	M	2,470	4	2	2	2	10	15	39	77	235	338	413	668	665
G04-G12, G23-G25, G31-H93,	F	3,711	1	5	2	2	5	7	32	61	142	273	442	968	1,771
K00-K22, K29-K31, K50-K66, Black	M	357	2	1	-	-	2	3	10	26	44	59	69	79	62
K71-K72, K75-K76, K83-M99,	F	510	-	1	1	-	1	3	6	13	40	81	70	123	171
N13.0-N13.5, N13.7-N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98)															
Accidents (V01-X59, Y85-Y86)	All Races	3,302	38	33	13	14	129	171	370	452	566	408	311	361	436
	White M	1,769	20	13	5	8	85	101	228	257	314	226	181	179	152
	F	1,175	10	15	4	3	30	44	90	150	184	118	101	161	265
	Black M	223	3	1	3	3	11	17	32	31	43	41	17	13	8
	F	103	5	3	1	-	2	7	14	12	17	17	8	6	11
Motor vehicle accidents (V02-V04, V09.0, V09.2 V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1 V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2)	All Races	958	-	11	6	4	87	113	131	143	162	128	87	59	27
	White M	604	-	5	3	3	58	64	81	90	109	89	54	37	11
	F	220	-	6	2	-	21	29	26	35	26	20	24	18	13
	Black M	89	-	-	1	1	7	12	15	10	19	12	6	4	2
	F	28	-	-	-	-	1	6	6	6	3	4	1	-	1
Intentional self-harm (suicide) (X60-X84, Y87.0)	All Races	956	-	-	-	4	38	53	139	157	215	165	104	61	20
	White M	689	-	-	-	3	23	40	89	114	155	124	76	49	16
	F	188	-	-	-	-	7	4	35	28	48	32	24	7	3
	Black M	52	-	-	-	1	6	8	9	9	9	2	4	3	1
	F	10	-	-	-	-	2	1	4	-	2	1	-	-	-
Assault (homicide) (X85-Y09, Y87.1)	All Races	456	9	14	2	3	42	78	113	69	55	41	21	7	2
	White M	138	3	4	2	1	5	12	26	25	25	20	11	2	2
	F	61	2	5	-	1	1	8	11	9	10	7	4	3	-
	Black M	215	3	4	-	-	35	50	63	27	15	13	3	2	-
	F	36	1	1	-	1	1	8	10	6	4	1	3	-	-
Legal intervention (Y35, Y89.0)	All Races	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	White M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Event of undetermined intent (Y10-Y34, Y87.2, Y89.9)	All Races	390	5	-	-	2	5	9	12	34	43	57	56	82	85
	White M	152	3	-	-	-	4	6	6	13	16	24	21	32	27
	F	182	-	-	-	-	1	2	5	16	21	16	28	44	49
	Black M	28	1	-	-	1	-	1	1	2	4	13	2	2	1
	F	26	1	-	-	1	-	-	-	2	2	4	4	4	8
Operations of war and their sequelae (Y36, Y89.1)	All Races	1	-	-	-	-	-	-	-	-	-	-	-	-	1
	White M	1	-	-	-	-	-	-	-	-	-	-	-	-	1
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Black M	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Complication of medical and surgical care (Y40-Y84, Y88)	All Races	93	-	1	-	-	-	-	4	4	9	18	22	25	10
	White M	45	-	-	-	-	-	-	2	1	4	8	12	14	4
	F	30	-	-	-	-	-	-	1	2	2	6	8	6	5
	Black M	10	-	1	-	-	-	-	-	1	2	2	2	2	-
	F	8	-	-	-	-	-	-	1	-	1	2	-	3	1
Enterocolitis due to Clostridium difficile (A04.7)*	All Races	199	-	-	-	-	-	-	2	1	3	16	28	65	84
	White M	65	-	-	-	-	-	-	-	-	1	7	14	21	22
	F	122	-	-	-	-	-	-	2	1	2	7	12	39	59
	Black M	3	-	-	-	-	-	-	-	-	-	-	1	2	-
	F	9	-	-	-	-	-	-	-	-	-	2	1	3	3

Totals may include one or more deaths with age, race, and/or sex not stated.
*Included in "Certain other intestinal infections (A04, A07-A09)" shown on Page 41. Enterocolitis due to Clostridium difficile (A04.7) is shown separately at the bottom of tables showing 113 selected causes and is included in the list of rankable causes.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE VI. LEADING CAUSES OF DEATH FOR EIGHT AGE GROUPS WITH RATES PER 100,000 POPULATION BY RACE, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	All Races		White		Black		Cause of Death	All Races		White		Black	
	Num-ber	Rate	Num-ber	Rate	Num-ber	Rate		Num-ber	Rate	Num-ber	Rate	Num-ber	Rate
1-14 Years							45-64 Years						
All causes	209	18.0	150	17.5	53	22.7	3. Accidents (V01-X59, Y85-Y86)	974	56.2	842	59.2	118	44.2
1. Accidents (V01-X59, Y85-Y86)	60	5.2	48	5.6	11	4.7	4. Chronic lower respiratory diseases (J40-J47)	684	39.5	611	42.9	70	26.2
2. Malignant neoplasms (C00-C97)	28	2.4	24	2.8	4	1.7	5. Diabetes mellitus (E10-E14)	504	29.1	364	25.6	138	51.7
3. Congenital malformations, deformations, and chromosomal abnormalities (Q00-Q99)	19	1.6	14	1.6	5	2.1	6. Cerebrovascular diseases (I60-I69)	465	26.8	304	21.4	152	56.9
3. Assault (homicide) (X85-Y09, Y87.1)	19	1.6	13	1.5	6	2.6	7. Chronic liver disease and cirrhosis (K70, K73-K74)	461	26.6	402	28.3	56	21.0
5. Diseases of heart (I00-I109, I11, I13, I20-I51)	7	0.6	4	0.5	3	1.3	65-74 Years						
15-24 Years							All causes	11,723	2186.7	10,091	2141.5	1,549	2811.6
All causes	709	80.9	502	77.1	200	106.1	1. Malignant neoplasms (C00-C97)	3,894	726.3	3,376	716.5	491	891.2
1. Accidents (V01-X59, Y85-Y86)	300	34.2	260	39.9	37	19.6	2. Diseases of heart (I00-I109, I11, I13, I20-I51)	2,689	501.6	2,295	487.0	377	684.3
2. Assault (homicide) (X85-Y09, Y87.1)	120	13.7	26	4.0	94	49.9	3. Chronic lower respiratory diseases (J40-J47)	1,001	186.7	921	195.5	76	137.9
3. Intentional self-harm (suicide) (X60-X84, Y87.0)	91	10.4	74	11.4	17	9.0	4. Cerebrovascular diseases (I60-I69)	478	89.2	378	80.2	90	163.4
4. Malignant neoplasms (C00-C97)	30	3.4	22	3.4	7	3.7	5. Diabetes mellitus (E10-E14)	445	83.0	344	73.0	96	174.3
5. Diseases of heart (I00-I109, I11, I13, I20-I51)	18	2.1	12	1.8	6	3.2	6. Accidents (V01-X59, Y85-Y86)	311	58.0	282	59.8	25	45.4
25-34 Years							7. Influenza and pneumonia (J10-J18)	216	40.3	184	39.0	32	58.1
All causes	1,104	130.8	823	126.5	263	167.5	75-84 Years						
1. Accidents (V01-X59, Y85-Y86)	370	43.8	318	48.9	46	29.3	All causes	14,864	5386.7	13,260	5408.3	1,504	5631.5
2. Intentional self-harm (suicide) (X60-X84, Y87.0)	139	16.5	124	19.1	13	8.3	1. Diseases of heart (I00-I109, I11, I13, I20-I51)	3,410	1235.8	3,023	1233.0	364	1362.9
3. Assault (homicide) (X85-Y09, Y87.1)	113	13.4	37	5.7	73	46.5	2. Malignant neoplasms (C00-C97)	3,364	1219.1	2,974	1213.0	372	1392.9
4. Diseases of heart (I00-I109, I11, I13, I20-I51)	96	11.4	68	10.5	27	17.2	3. Chronic lower respiratory diseases (J40-J47)	1,183	428.7	1,109	452.3	67	250.9
5. Malignant neoplasms (C00-C97)	74	8.8	54	8.3	18	11.5	4. Cerebrovascular diseases (I60-I69)	907	328.7	796	324.7	105	393.2
35-44 Years							5. Alzheimer's disease (G30)	771	279.4	690	281.4	77	288.3
All causes	1,980	235.2	1,582	237.1	372	261.4	6. Diabetes mellitus (E10-E14)	438	158.7	355	144.8	76	284.6
1. Accidents (V01-X59, Y85-Y86)	452	53.7	407	61.0	43	30.2	7. Accidents (V01-X59, Y85-Y86)	361	130.8	340	138.7	19	71.1
2. Diseases of heart (I00-I109, I11, I13, I20-I51)	321	38.1	254	38.1	65	45.7	85 Years and Over						
3. Malignant neoplasms (C00-C97)	273	32.4	221	33.1	49	34.4	All causes	15,850	14898.2	14,380	15140.7	1,404	13640.3
4. Intentional self-harm (suicide) (X60-X84, Y87.0)	157	18.6	142	21.3	9	6.3	1. Diseases of heart (I00-I109, I11, I13, I20-I51)	4,436	4169.6	4,071	4286.3	346	3361.5
5. Diabetes mellitus (E10-E14)	73	8.7	43	6.4	28	19.7	2. Malignant neoplasms (C00-C97)	1,783	1675.9	1,577	1660.4	196	1904.2
45-64 Years							3. Alzheimer's disease (G30)	1,460	1372.3	1,331	1401.4	125	1214.4
All causes	14,149	816.2	11,387	800.2	2,626	983.3	4. Cerebrovascular diseases (I60-I69)	1,079	1014.2	963	1013.9	107	1039.5
1. Malignant neoplasms (C00-C97)	4,185	241.4	3,342	234.9	798	298.8	5. Chronic lower respiratory diseases (J40-J47)	753	707.8	702	739.1	48	466.3
2. Diseases of heart (I00-I109, I11, I13, I20-I51)	3,251	187.5	2,603	182.9	623	233.3	6. Influenza and pneumonia (J10-J18)	625	587.5	575	605.4	48	466.3
							7. Accidents (V01-X59, Y85-Y86)	436	409.8	417	439.1	19	184.6

Totals may include one or more deaths with race unknown.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE VII-DEATHS ACCORDING TO 358 SELECTED CAUSES, WITH RATES PER 100,000 POPULATION
BY RACE, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
All Causes	61,164	947.4	52,532	1026.5	8,171	744.3
Cholera (A00)	-	-	-	-	-	-
Typhoid fever (A01.0)	-	-	-	-	-	-
Paratyphoid fevers and other salmonella infections (A01.1-A01.4, A02)	2	0.0	-	-	2	0.2
Shigellosis (A03)	-	-	-	-	-	-
Other bacterial food-borne intoxications (A05)	-	-	-	-	-	-
Amebiasis (A06)	-	-	-	-	-	-
Intestinal infections due to other specified organisms (A04, A07-A08)	207	3.2	195	3.8	12	1.1
Diarrhea and gastroenteritis of presumed infectious origin (A09)	67	1.0	56	1.1	9	0.8
Respiratory tuberculosis (A16)	4	0.1	4	0.1	-	-
Other tuberculosis (A17-A19)	8	0.1	6	0.1	1	0.1
Plague (A20)	-	-	-	-	-	-
Brucellosis (A23)	-	-	-	-	-	-
Tetanus (A33-A35)	-	-	-	-	-	-
Diphtheria (A36)	-	-	-	-	-	-
Whooping cough (A37)	-	-	-	-	-	-
Scarlet fever and erysipelas (A38, A46)	-	-	-	-	-	-
Meningococcal infection (A39)	2	0.0	2	0.0	-	-
Septicemia (A40-A41)	706	10.9	611	11.9	92	8.4
Other zoonotic and bacterial diseases (A21-A22, A24-A32, A42-A44, A48-A49)	38	0.6	33	0.6	5	0.5
Cardiovascular syphilis (A52.0)	-	-	-	-	-	-
Neurosyphilis (A52.1-A52.3)	1	0.0	-	-	1	0.1
Other and unspecified syphilis (A50-A51, A52.7-A52.9, A53)	-	-	-	-	-	-
Gonococcal infection (A54)	-	-	-	-	-	-
Other infections with a predominately sexual mode of transmission (A55-A64)	-	-	-	-	-	-
Lyme disease (A69.2)	-	-	-	-	-	-
Typhus fever (A75)	-	-	-	-	-	-
All other infections caused by spirochetes, chlamydia or rickettsia (A65-A68, A69.0-A69.1, A69.8-A69.9, A70-A74, A77-A79)	1	0.0	1	0.0	-	-
Acute poliomyelitis (A80)	-	-	-	-	-	-
Rabies (A82)	-	-	-	-	-	-
Arthropod-borne viral encephalitis (A83-A84, A85.2)	1	0.0	1	0.0	-	-
Yellow fever (A95)	-	-	-	-	-	-
Other and unspecified arthropod-borne viral and hemorrhagic fevers (A90-A94, A96-A99)	2	0.0	2	0.0	-	-
Herpesviral (herpes simplex) infections (B00)	6	0.1	5	0.1	1	0.1
Zoster (herpes zoster) (B02)	6	0.1	6	0.1	-	-
Smallpox (B03)	-	-	-	-	-	-
Measles (B05)	-	-	-	-	-	-
Rubella (German measles) (B06)	-	-	-	-	-	-
Viral hepatitis (B15-B19)	267	4.1	219	4.3	39	3.6
Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases (B20)	76	1.2	31	0.6	45	4.1
Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms (B21)	9	0.1	5	0.1	4	0.4
Human immunodeficiency virus (HIV) disease resulting in other specified diseases (B22)	18	0.3	8	0.2	10	0.9
Human immunodeficiency virus (HIV) disease resulting in other conditions (B23)	34	0.5	16	0.3	18	1.6
Unspecified human immunodeficiency virus (HIV) disease (B24)	39	0.6	10	0.2	29	2.6
All other and unspecified viral diseases (A81, A85.0-A85.1, A85.8, A86-A89, B01, B04, B07-B09, B25-B34)	27	0.4	26	0.5	1	0.1
Mycoses (B35-B49)	25	0.4	22	0.4	3	0.3
Malaria (B50)	-	-	-	-	-	-
Leishmaniasis (B55)	-	-	-	-	-	-
Trypanosomiasis (B56-B57)	-	-	-	-	-	-
Pneumocystosis (B59)	1	0.0	1	0.0	-	-
Other and unspecified protozoal diseases (B58, B60-B64)	-	-	-	-	-	-
Schistosomiasis (bilharziasis) (B65)	-	-	-	-	-	-
Other and unspecified helminthiasis (B66-B83)	-	-	-	-	-	-
Sequelae of tuberculosis (B90)	-	-	-	-	-	-
Sequelae of poliomyelitis (B91)	2	0.0	2	0.0	-	-
All other and unspecified infectious and parasitic diseases and their sequelae (B85-B89, B92-B99)	13	0.2	13	0.3	-	-

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.

*Enterocolitis due to Clostridium difficile (A04.7) is included in Intestinal infections due to other specified organisms. Enterocolitis due to Clostridium difficile (A04.7) is also shown separately at the bottom of tables showing 358 selected causes (Page 54).

Clostridium difficile (A04.7) is also shown separately at the bottom of tables showing 358 selected causes (Page 54).

For definitions of certain terms and explanation of rates, see Appendix A (page 107) of this Bulletin.

Totals may include one or more deaths with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE VII (Continued) DEATHS ACCORDING TO 358 SELECTED CAUSES, WITH RATES PER 100,000 POPULATION BY RACE, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
Malignant neoplasms of lip (C00)	2	0.0	2	0.0	-	-
Malignant neoplasms of tongue (C01-C02)	52	0.8	45	0.9	7	0.6
Malignant neoplasms of pharynx (C10-C13, C14.0)	77	1.2	63	1.2	14	1.3
Malignant neoplasms of other and unspecified sites within the lip, oral cavity and pharynx (C03-C09, C14.2-C14.8)	79	1.2	70	1.4	9	0.8
Malignant neoplasms of esophagus (C15)	307	4.8	261	5.1	40	3.6
Malignant neoplasms of stomach (C16)	247	3.8	187	3.7	59	5.4
Malignant neoplasms of small intestine (C17)	29	0.4	27	0.5	2	0.2
Malignant neoplasms of colon (C18)	973	15.1	816	15.9	149	13.6
Malignant neoplasms of rectosigmoid junction and rectum (C19-C20)	206	3.2	168	3.3	37	3.4
Malignant neoplasms of anus and anal canal (C21)	23	0.4	20	0.4	1	0.1
Malignant neoplasms of liver (C22.0, C22.2-C22.9)	400	6.2	300	5.9	92	8.4
Malignant neoplasms of intrahepatic bile duct carcinoma (C22.1)	128	2.0	114	2.2	14	1.3
Malignant neoplasms of gallbladder and extrahepatic bile ducts (C23-C24)	65	1.0	52	1.0	12	1.1
Malignant neoplasms of pancreas (C25)	786	12.2	672	13.1	106	9.7
Malignant neoplasms of other and ill-defined digestive organs (C26)	29	0.4	26	0.5	3	0.3
Malignant neoplasms of nasal cavity, middle ear and accessory sinuses (C30-C31)	14	0.2	13	0.3	1	0.1
Malignant neoplasms of larynx (C32)	97	1.5	78	1.5	19	1.7
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	4,329	67.1	3,748	73.2	549	50.0
Malignant neoplasms of thymus, heart, mediastinum and pleura (C37-C38)	5	0.1	5	0.1	-	-
Malignant neoplasms of other and ill-defined sites in respiratory system and intrathoracic organs (C39)	-	-	-	-	-	-
Malignant neoplasm of bone and articular cartilage (C40-C41)	24	0.4	20	0.4	4	0.4
Malignant melanoma of skin (C43)	213	3.3	206	4.0	5	0.5
Other malignant neoplasms of skin (C44)	104	1.6	97	1.9	7	0.6
Mesothelioma (C45)	48	0.7	45	0.9	3	0.3
Kaposi's sarcoma (C46)	2	0.0	2	0.0	-	-
Malignant neoplasms of other mesothelial and soft tissue (C47-C49)	99	1.5	85	1.7	12	1.1
Malignant neoplasms of breast (C50)	916	14.2	733	14.3	177	16.1
Malignant neoplasms of vulva and vagina (C51-C52)+	36	1.1	32	1.2	3	0.5
Malignant neoplasms of cervix uteri (C53)+	80	2.4	53	2.0	25	4.3
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)+	166	5.0	129	5.0	36	6.2
Malignant neoplasms of ovary (C56)+	316	9.6	279	10.7	36	6.2
Malignant neoplasms of other and unspecified female genital organs (C57)+	7	0.2	6	0.2	1	0.2
Malignant neoplasms of placenta (C58)+	-	-	-	-	-	-
Malignant neoplasms of prostate (C61)+	545	17.3	425	16.9	118	22.8
Malignant neoplasms of testis (C62)+	5	0.2	5	0.2	-	-
Malignant neoplasms of penis and other and unspecified male genital organs (C60, C63)+	11	0.3	10	0.4	1	0.2
Malignant neoplasms of kidney and renal pelvis (C64-C65)	289	4.5	262	5.1	26	2.4
Malignant neoplasms of bladder (C67)	306	4.7	275	5.4	29	2.6
Malignant neoplasms of other and unspecified sites within the urinary tract (C66, C68)	14	0.2	13	0.3	1	0.1
Malignant neoplasms of eye and adnexa (C69)	14	0.2	13	0.3	1	0.1
Malignant neoplasms of brain (C71)	329	5.1	305	6.0	22	2.0
Malignant neoplasms of other parts of central nervous system (C70, C72)	3	0.0	3	0.1	-	-
Malignant neoplasms of thyroid and other endocrine glands (C73-C75)	47	0.7	41	0.8	5	0.5
Other malignant neoplasms of other and unspecified sites (C76-C80, C97)	934	14.5	793	15.5	134	12.2
Hodgkin's disease (C81)	35	0.5	28	0.5	7	0.6
Non-Hodgkin's lymphoma (C82-C85)	430	6.7	391	7.6	37	3.4
Malignant neoplasms of other and unspecified lymphoid, hematopoietic and related tissue (C96)	2	0.0	1	0.0	1	0.1
Malignant immunoproliferative diseases (C88)	4	0.1	4	0.1	-	-
Multiple myeloma and malignant plasma cell neoplasms (C90)	265	4.1	200	3.9	63	5.7
Lymphoid leukemia (C91)	145	2.2	124	2.4	21	1.9
Myeloid leukemia (C92)	275	4.3	239	4.7	32	2.9
Monocytic leukemia (C93)	-	-	-	-	-	-
Other and unspecified leukemia (C94-C95)	121	1.9	106	2.1	14	1.3
Carcinoma in situ of breast and genitourinary system (D05-D07)	-	-	-	-	-	-
Carcinoma in situ of other and unspecified sites (D00-D04, D09)	2	0.0	2	0.0	-	-
Benign neoplasms of female genital organs (D25-D28)+	1	0.0	-	-	1	0.1

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.

For definitions of certain terms and explanation of rates, see Appendix A (page 107) of this Bulletin.

Totals may include one or more deaths with race not stated.

+Rate per 100,000 sex-specific population.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE VII (Continued) DEATHS ACCORDING TO 358 SELECTED CAUSES, WITH RATES PER 100,000 POPULATION
BY RACE, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
Benign neoplasms of eye, brain and other parts of central nervous system (D31-D33)	21	0.3	17	0.3	4	0.4
Benign neoplasms of other and unspecified sites (D10-D24, D29-D30, D34-D36)	11	0.2	11	0.2	-	-
Neoplasms of uncertain or unknown behavior of specified sites (D37-D47)	225	3.5	200	3.9	22	2.0
Neoplasms of uncertain or unknown behavior of unspecified sites (D48)	25	0.4	24	0.5	1	0.1
Nutritional anemias (D50-D53)	6	0.1	6	0.1	-	-
Hemolytic anemias (D55-D59)	10	0.2	3	0.1	7	0.6
Aplastic anemias (D60-D61)	22	0.3	21	0.4	1	0.1
Acute posthemorrhagic and other anemias (D62, D64)	53	0.8	48	0.9	5	0.5
Coagulation defects, purpura and other hemorrhagic conditions (D65-D69)	58	0.9	52	1.0	5	0.5
Other diseases of blood and blood-forming organs (D70-D76)	17	0.3	14	0.3	3	0.3
Certain disorders involving the immune mechanism (D80-D89)	36	0.6	14	0.3	22	2.0
Disorders of thyroid gland (E00-E07)	43	0.7	32	0.6	11	1.0
Diabetes mellitus (E10-E14)	1,823	28.2	1,400	27.4	403	36.7
Disorders of pituitary gland (E22-E23)	3	0.0	2	0.0	1	0.1
Disorders of adrenal glands (E24-E27)	2	0.0	2	0.0	-	-
Diseases of thymus (E32)	-	-	-	-	-	-
Other endocrine diseases (E15-E21, E28-E31, E34)	18	0.3	12	0.2	6	0.5
Nutritional marasmus (E41)	2	0.0	2	0.0	-	-
Other and unspecified malnutrition (E40, E42-E46)	96	1.5	81	1.6	15	1.4
Other nutritional deficiencies (E50-E64)	5	0.1	5	0.1	-	-
Obesity and other hyperalimentation (E65-E68)	197	3.1	147	2.9	49	4.5
Cystic fibrosis (E84)	16	0.2	15	0.3	1	0.1
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	175	2.7	142	2.8	32	2.9
Other metabolic disorders (E70-E83, E85, E88)	316	4.9	271	5.3	42	3.8
Organic dementia (F01, F03)	2,848	44.1	2,570	50.2	272	24.8
Other and unspecified organic mental disorders (F04-F09)	39	0.6	37	0.7	2	0.2
Mental and behavioral disorders due to use of alcohol (F10)	168	2.6	145	2.8	21	1.9
Mental and behavioral disorders due to other psychoactive substance use (F11-F19)	91	1.4	84	1.6	7	0.6
Schizophrenia, schizotypal and delusional disorders (F20-F29)	10	0.2	8	0.2	2	0.2
Mood (affective) disorders (F30-F39)	11	0.2	10	0.2	1	0.1
Neurotic, stress-related and somatoform disorders (F40-F48)	2	0.0	2	0.0	-	-
Mental retardation (F70-F79)	9	0.1	6	0.1	3	0.3
Other and unspecified mental and behavioral disorders (F50-F69, F80-F99)	10	0.2	9	0.2	-	-
Meningitis (G00, G03)	12	0.2	9	0.2	3	0.3
Other inflammatory diseases of central nervous system (G04-G09)	19	0.3	16	0.3	3	0.3
Parkinson's disease (G20-G21)	491	7.6	466	9.1	25	2.3
Alzheimer's disease (G30)	2,416	37.4	2,184	42.7	222	20.2
Multiple sclerosis (G35)	67	1.0	53	1.0	13	1.2
Epilepsy (G40-G41)	33	0.5	26	0.5	7	0.6
Transient cerebral ischemic attacks and related syndromes (G45)	2	0.0	2	0.0	-	-
Infantile cerebral palsy (G80)	35	0.5	29	0.6	6	0.5
All other diseases of nervous system (G10-G12, G14*, G23-G25, G31, G36-G37, G43-G44, G47-G72, G81-G98)	656	10.2	571	11.2	80	7.3
Diseases of the eye and adnexa (H00-H57)	1	0.0	1	0.0	-	-
Diseases of the ear and mastoid process (H60-H93)	1	0.0	1	0.0	-	-
Acute rheumatic fever (I00-I02)	1	0.0	1	0.0	-	-
Rheumatic mitral valve diseases(I05)	35	0.5	29	0.6	6	0.5
Rheumatic aortic valve diseases (I06)	1	0.0	1	0.0	-	-
Disorders of both mitral and aortic valves (I08.0)	17	0.3	16	0.3	1	0.1
Other chronic rheumatic heart disease (I07, I08.1-I08.9, I09)	21	0.3	19	0.4	2	0.2
Essential (primary) hypertension (I10)	349	5.4	285	5.6	62	5.6
Hypertensive heart disease (I11)	996	15.4	762	14.9	232	21.1
Hypertensive renal disease (I12)	324	5.0	238	4.7	83	7.6
Hypertensive heart and renal disease (I13)	126	2.0	99	1.9	26	2.4
Acute myocardial infarction (I21-I22)	3,953	61.2	3,475	67.9	452	41.2
Other acute ischemic heart diseases (I24)	75	1.2	64	1.3	11	1.0
Atherosclerotic cardiovascular disease, so described (I25.0)	1,859	28.8	1,615	31.6	227	20.7
All other forms of chronic ischemic heart disease (I20, I25.1-I25.9)	3,987	61.8	3,555	69.5	414	37.7

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.

*New ICD-10 code G14 (Postpolio syndrome) was added to the category in 2011.

For definitions of certain terms and explanation of rates, see Appendix A (page 107) of this Bulletin.

Totals may include one or more deaths with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE VII (Continued) DEATHS ACCORDING TO 358 SELECTED CAUSES, WITH RATES PER 100,000 POPULATION
BY RACE, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
Pulmonary embolism (I26)	227	3.5	179	3.5	46	4.2
Other pulmonary heart disease and diseases of pulmonary circulation (I27-I28)	154	2.4	122	2.4	30	2.7
Acute and subacute endocarditis (I33)	36	0.6	25	0.5	11	1.0
Diseases of pericardium and acute myocarditis (I30-I31, I40)	23	0.4	20	0.4	3	0.3
Nonrheumatic mitral valve disorders (I34)	51	0.8	45	0.9	6	0.5
Nonrheumatic aortic valve disorders (I35)	309	4.8	290	5.7	19	1.7
All other diseases of endocardium (I36-I38)	95	1.5	85	1.7	9	0.8
Cardiomyopathy (I42)	400	6.2	303	5.9	94	8.6
Conduction disorders and cardiac dysrhythmias (I44-I49)	862	13.4	753	14.7	102	9.3
Congestive heart failure (I50.0)	644	10.0	564	11.0	76	6.9
Other and unspecified heart failure (I50.1-I50.9)	93	1.4	80	1.6	12	1.1
Myocarditis, unspecified and myocardial degeneration (I51.4-I51.5)	16	0.2	12	0.2	4	0.4
All other and ill-defined forms of heart disease (I51.0-I51.3, I51.6-I51.9)	264	4.1	229	4.5	31	2.8
Subarachnoid hemorrhage (I60)	119	1.8	93	1.8	20	1.8
Intracerebral and other and intracranial hemorrhage (I61-I62)	606	9.4	500	9.8	99	9.0
Cerebral infarction (I63)	187	2.9	164	3.2	23	2.1
Stroke, not specified as hemorrhage or infarction (I64)	1,644	25.5	1,362	26.6	262	23.9
Other cerebrovascular diseases and their sequelae (I67, I69)	435	6.7	366	7.2	67	6.1
Atherosclerosis (I70)	107	1.7	100	2.0	7	0.6
Aortic aneurysm and dissection (I71)	194	3.0	174	3.4	19	1.7
Other diseases of arteries, arterioles, and capillaries (I72-I78)	197	3.1	163	3.2	33	3.0
Phlebitis, thrombophlebitis, venous embolism and thrombosis (I80-I82)	68	1.1	58	1.1	10	0.9
All other and unspecified diseases of circulatory system (I83-I99)	27	0.4	26	0.5	1	0.1
Acute pharyngitis and tonsillitis (J02-J03)	-	-	-	-	-	-
Acute laryngitis and tracheitis (J04)	-	-	-	-	-	-
Other and unspecified acute upper respiratory infections (J00-J01, J05-J06)	1	0.0	1	0.0	-	-
Influenza (J09-J11)*	27	0.4	26	0.5	1	0.1
Viral pneumonia, not elsewhere classified (J12)	-	-	-	-	-	-
Bacterial pneumonia (J13-J15)	84	1.3	74	1.4	9	0.8
Pneumonia due to other or unspecified organisms (J16, J18)	1,310	20.3	1,167	22.8	137	12.5
Acute bronchitis and bronchiolitis (J20-J21)	2	0.0	1	0.0	1	0.1
Unspecified acute lower respiratory infection (J22, U04)**	3	0.0	3	0.1	-	-
Other diseases of upper respiratory tract (J30-J39)	8	0.1	5	0.1	3	0.3
Bronchitis, not specified as acute or chronic (J40)	4	0.1	4	0.1	-	-
Chronic bronchitis (J41-J42)	5	0.1	5	0.1	-	-
Emphysema (J43)	197	3.1	173	3.4	23	2.1
Other chronic obstructive pulmonary disease (J44)	3,372	52.2	3,130	61.2	226	20.6
Asthma (J45-J46)	57	0.9	32	0.6	24	2.2
Bronchiectasis (J47)	23	0.4	23	0.4	-	-
Pneumoconioses and chemical effects (J60-J66, J68)	24	0.4	24	0.5	-	-
Pneumonitis due to food and vomit (J69.0)	543	8.4	489	9.6	48	4.4
Other pneumonitis due to solids and liquids (J69.1-J69.8)	-	-	-	-	-	-
Other lung diseases due to external agents (J67, J70)	2	0.0	2	0.0	-	-
Suppurative and necrotic conditions of lower respiratory tract (J85-J86)	11	0.2	7	0.1	4	0.4
Pleural effusion and plaque (J90, J92)	16	0.2	15	0.3	1	0.1
All other diseases of respiratory system (J80-J84, J93-J98)	606	9.4	545	10.6	57	5.2
Diseases of oral cavity, salivary glands and jaws (K00-K14)	8	0.1	6	0.1	2	0.2
Diseases of esophagus (K20-K22)	61	0.9	59	1.2	2	0.2
Gastric ulcer (K25)	30	0.5	25	0.5	5	0.5
Duodenal ulcer (K26)	26	0.4	22	0.4	3	0.3
Peptic ulcer, site unspecified (K27)	27	0.4	27	0.5	-	-
Gastrojejunal ulcer (K28)	2	0.0	1	0.0	1	0.1
Gastritis and duodenitis (K29)	7	0.1	7	0.1	-	-
Dyspepsia and other diseases of stomach and duodenum (K30-K31)	17	0.3	15	0.3	2	0.2
Diseases of appendix (K35-K38)	6	0.1	6	0.1	-	-
Hernia (K40-K46)	47	0.7	38	0.7	9	0.8
Crohn's disease and ulcerative colitis (K50-K51)	27	0.4	25	0.5	2	0.2
Vascular disorders and obstruction of intestine without hernia (K55-K56)	351	5.4	300	5.9	47	4.3
Diverticular disease of intestine (K57)	71	1.1	67	1.3	4	0.4
Other diseases of intestines and peritoneum (K52, K58-K63)	95	1.5	83	1.6	11	1.0
Diseases of peritoneum (K65-K66)	41	0.6	34	0.7	6	0.5
Alcoholic liver disease (K70)	360	5.6	317	6.2	41	3.7

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.
 *New ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007.
 **New ICD-10 code U04 (Severe acute respiratory syndrome (SARS) was added to the category in 2007.
 For definitions of certain terms and explanation of rates, see Appendix A (page 109) of this Bulletin.
 Totals may include one or more deaths with race not stated.
 Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE VII (Continued) DEATHS ACCORDING TO 358 SELECTED CAUSES, WITH RATES PER 100,000 POPULATION BY RACE, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
Chronic hepatitis, not elsewhere classified (K73)	2	0.0	2	0.0	-	-
Fibrosis and cirrhosis of liver (K74)	445	6.9	393	7.7	45	4.1
Other diseases of liver (K71-K72, K75-K76)	239	3.7	203	4.0	31	2.8
Cholelithiasis and other disorders of gallbladder (K80-K82)	68	1.1	58	1.1	9	0.8
Pancreatitis (K85, K86.0-K86.1)	82	1.3	68	1.3	13	1.2
Other disorders of biliary tract and pancreas (K83, K86.2-K86.9)	48	0.7	46	0.9	2	0.2
All other diseases of digestive system (K90, K92)	201	3.1	178	3.5	20	1.8
Infections of skin and subcutaneous tissue (L00-L08)	56	0.9	49	1.0	7	0.6
Other and unspecified diseases of skin and subcutaneous tissue (L10-L98)	57	0.9	42	0.8	15	1.4
Rheumatoid arthritis and related inflammatory polyarthropathies (M05-M08)	83	1.3	73	1.4	10	0.9
Systemic lupus erythematosus (M32)	41	0.6	29	0.6	12	1.1
Other arthropathies and related disorders (M00, M02, M10-M31, M33-M35)	93	1.4	81	1.6	12	1.1
Dorsopathies (M40-M54)	27	0.4	23	0.4	4	0.4
Soft tissue disorders (M60-M79)	41	0.6	33	0.6	8	0.7
Osteoporosis (M80-M81)	18	0.3	18	0.4	-	-
Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue (M83-M99)	47	0.7	40	0.8	7	0.6
Acute and rapidly progressive nephritic syndrome (N00-N01)	2	0.0	2	0.0	-	-
Nephrotic syndrome (N04)	3	0.0	3	0.1	-	-
Other and unspecified glomerular diseases (N02-N03, N05-N07)	4	0.1	4	0.1	-	-
Renal tubulo-interstitial diseases (N10-N15)	33	0.5	32	0.6	1	0.1
Renal failure (N17-N19)	919	14.2	719	14.0	189	17.2
Urolithiasis (N20-N23)	9	0.1	9	0.2	-	-
Other and unspecified disorders of kidney (N25-N27)	2	0.0	-	-	2	0.2
Urinary tract infection, site not specified (N59.0)	400	6.2	349	6.8	48	4.4
Other diseases of urinary system (N28-N36, N39.1-N39.9)	58	0.9	44	0.9	12	1.1
Hyperplasia of prostate (N40)+	12	0.4	12	0.5	-	-
Other diseases of male genital organs (N41-N50)+	7	0.2	6	0.2	1	0.2
Disorders of breast (N60-N64)	2	0.0	2	0.0	-	-
Inflammatory diseases of female pelvic organs (N70-N76)+	2	0.1	2	0.1	-	-
Noninflammatory disorders of female genital tract (N80-N98)+	6	0.2	6	0.2	-	-
Ectopic pregnancy (O00)#	-	-	-	-	-	-
Spontaneous abortion (O03)#	-	-	-	-	-	-
Medical abortion (O04)#	-	-	-	-	-	-
Other abortion (O05)#	-	-	-	-	-	-
Other and unspecified pregnancy with abortive outcome (O01-O02, O06-O07)#	1	0.1	1	0.2	-	-
Eclampsia and pre-eclampsia (O11, O13-O16)#	2	0.2	1	0.2	1	0.6
Hemorrhage of pregnancy and childbirth and placenta previa (O20, O44-O46, O67, O72)#	2	0.2	1	0.2	1	0.6
Obstetric embolism (O88)#	1	0.1	1	0.2	-	-
Other complications predominately related to the puerperium (O85-O87, O89-O92)#	-	-	-	-	-	-
All other direct obstetric causes (O10, O12, O21-O43, O47-O66, O68-O71, O73-O75)#	6	0.7	2	0.3	4	2.4
Obstetric death of unspecified cause (O95)#	4	0.5	3	0.5	1	0.6
Other deaths related to pregnancy, childbirth and the puerperium (O96-O97)#	12	1.5	6	1.0	6	3.6
Indirect obstetric deaths (O98-O99)#	9	1.1	7	1.2	2	1.2
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	44	0.7	25	0.5	17	1.5
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	82	1.3	38	0.7	42	3.8
Birth trauma (P10-P15)	-	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (P20-P21)	6	0.1	4	0.1	2	0.2
Respiratory distress of newborn (P22)	19	0.3	13	0.3	5	0.5
Other respiratory conditions originating in the perinatal period (P23-P28)	26	0.4	18	0.4	7	0.6
Infections specific to the perinatal period (P35-P39)	15	0.2	10	0.2	5	0.5

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.

For definitions of certain terms and explanation of rates, see Appendix A (page 109) of this Bulletin.

Totals may include one or more deaths with race not stated.

#Rate per 10,000 births.

+Rate per 100,000 sex-specific population.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE VII (Continued) DEATHS ACCORDING TO 358 SELECTED CAUSES, WITH RATES PER 100,000 POPULATION
BY RACE, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
Other and unspecified conditions originating in the perinatal period (P05, P08, P29, P50-P96)	52	0.8	28	0.5	21	1.9
Anencephaly and similar malformations (Q00)	7	0.1	7	0.1	-	-
Spina bifida (Q05)	6	0.1	6	0.1	-	-
All other congenital malformations of nervous system (Q01-Q04, Q06-Q07)	17	0.3	11	0.2	5	0.5
Congenital malformations of heart (Q20-Q24)	56	0.9	38	0.7	15	1.4
Other congenital malformations of circulatory system (Q25-Q28)	20	0.3	16	0.3	4	0.4
Congenital malformations of respiratory system (Q30-Q34)	9	0.1	7	0.1	2	0.2
Other congenital malformations and deformations (Q10-Q18, Q35-Q89)	85	1.3	66	1.3	18	1.6
Down's syndrome (Q90)	26	0.4	24	0.5	2	0.2
All other chromosomal abnormalities, not elsewhere classified (Q91-Q99) ..	17	0.3	12	0.2	4	0.4
Senility (R54)	61	0.9	50	1.0	11	1.0
Sudden infant death syndrome (R95)	25	0.4	16	0.3	8	0.7
Other ill-defined and unknown causes of mortality (R96-R99)	788	12.2	671	13.1	112	10.2
All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53, R55-R94)	289	4.5	245	4.8	43	3.9
Railway accidents (V05, V15, V80.6, V81.2-V81.9)	8	0.1	7	0.1	1	0.1
Pedestrian involved in collision with motor vehicle (V02-V04)	28	0.4	19	0.4	7	0.6
Pedalcyclist involved in collision with motor vehicle (V12-V14, V19.0-V19.2, V19.4-V19.6)	7	0.1	6	0.1	1	0.1
Motorcyclist involved in any accident except collision with railway train (V20-V24, V26-V34, V36-V39)	102	1.6	87	1.7	12	1.1
Motorcyclist involved in collision with railway train (V25, V35)	-	-	-	-	-	-
Other motor vehicle accident involving collision with railway train (V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6)	3	0.0	1	0.0	2	0.2
Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian (V40-V41, V46-V47, V50-V51, V56-V57, V60-V61, V66-V67, V70-V71, V76-V77)	17	0.3	14	0.3	3	0.3
Occupant of car, pickup truck or van involved in collision with other motor vehicle (V42-V44, V49, V52-V54, V59)	71	1.1	58	1.1	12	1.1
Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle (V62-V64, V69, V72-V74, V79)	4	0.1	4	0.1	-	-
Occupant of motor vehicle involved in noncollision accident (V48, V58, V68, V78)	28	0.4	26	0.5	1	0.1
Occupant of special-use motor vehicle involved in any accident (V83-V86)	32	0.5	31	0.6	1	0.1
Other and unspecified motor vehicle accidents (V09.0, V09.2, V80.3-V80.5, V82.0-V82.1, V87.0-V87.5, V87.7-V87.8, V88.0-V88.5, V88.7-V88.8, V89.0, V89.2)	666	10.3	578	11.3	78	7.1
Streetcar accidents (V82.2-V82.9)	-	-	-	-	-	-
Other and unspecified land transport accidents (V01, V06, V09.1, V09.3, V09.9, V10-V11, V16-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.7-V80.9, V87.9, V88.9, V89.1, V89.3, V89.9)	8	0.1	7	0.1	1	0.1
Water transport accidents (V90-V94)	6	0.1	4	0.1	1	0.1
Air and space transport accidents (V95-V97)	4	0.1	4	0.1	-	-
Other and unspecified transport accidents and their sequelae (V98-V99, Y85)	16	0.2	13	0.3	3	0.3
Fall on same level (W00-W09, W18)	69	1.1	67	1.3	2	0.2
Fall from one level to another (W10-W17)	62	1.0	59	1.2	3	0.3
Unspecified fall (W19)	459	7.1	429	8.4	27	2.5
Accidental discharge of firearms (W32-W34)	24	0.4	21	0.4	3	0.3
Accidental explosion (W39-W40)	3	0.0	2	0.0	1	0.1
Accidental drowning and submersion (W65-W74)	74	1.1	61	1.2	11	1.0
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	132	2.0	116	2.3	15	1.4
Other accidental and unspecified threats to breathing (W75-W77, W81-W84)	48	0.7	35	0.7	12	1.1
Accidental exposure to electric current (W85-W87)	8	0.1	7	0.1	1	0.1
Accidental exposure to radiation (W88-W91)	-	-	-	-	-	-
Accidental exposure to smoke, fire and flames (X00-X09)	56	0.9	47	0.9	9	0.8

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.
For definitions of certain terms and explanation of rates, see Appendix A (page 109) of this Bulletin.
Totals may include one or more deaths with race not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE VII (Continued) DEATHS ACCORDING TO 358 SELECTED CAUSES, WITH RATES PER 100,000 POPULATION BY RACE, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	All Races		White		Black	
	Number	Rate	Number	Rate	Number	Rate
Accidental contact with heat and hot substances (X10-X19)	3	0.0	1	0.0	2	0.2
Lightning (X33)	-	-	-	-	-	-
Earthquake, volcanic eruption, avalanche, landslide and other earth movements (X34-X36)	-	-	-	-	-	-
Cataclysmic storm and flood (X37-X38)	5	0.1	5	0.1	-	-
Accidental poisoning by and exposure to drugs and other biological substances (X40-X44)	909	14.1	825	16.1	81	7.4
Accidental poisoning by and exposure to other and unspecified solid or liquid substances (X45-X46, X48-X49)	47	0.7	42	0.8	5	0.5
Accidental poisoning by and exposure to other gases and vapors (X47)	37	0.6	30	0.6	7	0.6
All other and unspecified accidents and their sequelae (W20-W31, W35-W38, W41-W64, W92-W99, X20-X32, X39, X50-X59, Y86)	366	5.7	338	6.6	24	2.2
Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances (X60-X64)	102	1.6	93	1.8	6	0.5
Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors (X65-X66, X68-X69)	4	0.1	4	0.1	-	-
Intentional self-poisoning (suicide) by and exposure to other gases and vapors (X67)	17	0.3	16	0.3	1	0.1
Intentional self-harm (suicide) by hanging, strangulation and suffocation (X70)	178	2.8	159	3.1	13	1.2
Intentional self-harm (suicide) by discharge of firearms (X72-X74)	620	9.6	575	11.2	37	3.4
Intentional self-harm (suicide) by jumping from a high place (X80)	3	0.0	1	0.0	2	0.2
Intentional self-harm (suicide) by all other and unspecified means and their sequelae (X71, X75-X79, X81-X84, Y87.0)	32	0.5	29	0.6	3	0.3
Assault (homicide) by drugs, biological substances and other and unspecified noxious substances (X85-X90)	1	0.0	1	0.0	-	-
Assault (homicide) by hanging, strangulation and suffocation (X91)	16	0.2	11	0.2	5	0.5
Assault (homicide) by discharge of firearms (X93-X95)	322	5.0	111	2.2	208	18.9
Assault (homicide) by sharp object (X99)	26	0.4	14	0.3	11	1.0
Assault (homicide) by blunt object (Y00)	-	-	-	-	-	-
Assault (homicide) by bodily force (Y04)	4	0.1	1	0.0	2	0.2
Sexual assault (homicide) by bodily force (Y05)	-	-	-	-	-	-
Neglect, abandonment and other maltreatment syndromes (Y06-Y07)	6	0.1	5	0.1	1	0.1
Assault (homicide) by all other and unspecified means and their sequelae (X92, X96-X98, Y01-Y03, Y08-Y09, Y87.1)	81	1.3	56	1.1	24	2.2
Poisoning by and exposure to drugs and biological substances, undetermined intent (Y10-Y14)	83	1.3	76	1.5	6	0.5
Poisoning by and exposure to other and unspecified solid or liquid substance, undetermined intent (Y15-Y16, Y18-Y19)	2	0.0	1	0.0	1	0.1
Poisoning by and exposure to other gases and vapors, undetermined intent (Y17)	14	0.2	13	0.3	1	0.1
Discharge of firearms, undetermined intent (Y22-Y24)	15	0.2	11	0.2	4	0.4
Falling, jumping or pushed from a high place, undetermined intent (Y30)	-	-	-	-	-	-
All other and unspecified events of undetermined intent and their sequelae (Y20-Y21, Y25-Y29, Y31-Y34, Y87.2, Y89.9)	276	4.3	233	4.6	42	3.8
Legal execution (Y35.5)	-	-	-	-	-	-
Other legal intervention and their sequelae (Y35.0-Y35.4, Y35.6-Y35.7, Y89.0)	-	-	-	-	-	-
Operations of war and their sequelae (Y36, Y89.1)	1	0.0	1	0.0	-	-
Drugs, medicaments, and biological substances causing adverse effects in therapeutic use, and their sequelae (Y40-Y59, Y88.0)	13	0.2	10	0.2	3	0.3
Misadventures to patients during medical and surgical care and their sequelae (Y60-Y69, Y88.1)	2	0.0	2	0.0	-	-
Other complications of medical and surgical care and their sequelae (Y70-Y84, Y88.2-Y88.3)	78	1.2	63	1.2	15	1.4
Enterocolitis due to Clostridium difficile (A04.7)*	199	3.1	187	3.7	12	1.1

Cause titles are shown according to the Tenth Revision International Classification of Diseases, 1999.
 *Included in "Intestinal infections due to other specific organisms (A04, A07-A09)" shown on Page 48. Enterocolitis due to Clostridium difficile (A04.7) is also shown separately.
 For definitions of certain terms and explanation of rates, see Appendix A (page 109) of this Bulletin.
 Totals may include one or more deaths with race not stated.
 Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	STATE				ANDERSON				BEDFORD									
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK							
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE						
Estimated Population, April 1, 2012	6,456,121	5,117,466	1,097,867	75,418	69,688	3,120	45,571	40,175	3,772									
Live Births	80202	12.4	60792	11.9	16560	15.1	817	10.8	762	10.9	32	10.3	619	13.6	568	14.1	44	11.7
Illegitimate Births	35400	44.1	21744	35.8	13012	78.6	346	42.4	310	40.7	30	93.8	294	47.5	262	46.1	31	70.5
Low Birthweight (less than 2,500 grams)	7359	9.2	4779	7.9	2315	14.0	63	7.7	61	8.0	1	3.1	59	9.5	52	9.2	5	11.4
Infant Deaths (under one year of age)	576	7.2	357	5.9	200	12.1	6	7.3	5	6.6	1	31.3	3	4.8	2	3.5	1	22.7
Neonatal Deaths (under 28 days of age)	345	4.3	206	3.4	130	7.9	3	3.7	3	3.9	-	-	2	3.2	1	1.8	1	22.7
Under 7 days of age	277	3.5	161	2.6	110	6.6	2	2.4	2	2.6	-	-	2	3.2	1	1.8	1	22.7
7-27 days of age	68	0.8	45	0.7	20	1.2	1	1.2	1	1.3	-	-	-	-	-	-	-	-
Other Terminations	12772	159.2	5815	95.7	6166	372.3	101	123.6	91	119.4	6	187.5	49	79.2	39	68.7	5	113.6
Total Deaths	61164	9.5	52532	10.3	8171	7.4	922	12.2	894	12.8	23	7.4	437	9.6	399	9.9	38	10.1
Cause of Death	706	10.9	611	11.9	92	8.4	18	23.9	18	25.8	-	-	7	15.4	6	14.9	1	-
Septicemia (A40-A41)	13633	211.2	11592	226.5	1935	176.3	203	269.2	200	287.0	3	-	89	195.3	83	206.6	6	-
Malignant Neoplasms (C00-C97)	1823	28.2	1400	27.4	403	36.7	20	26.5	19	27.3	1	-	12	26.3	12	29.9	-	-
Diabetes Mellitus (E10-E14)	491	7.6	466	9.1	25	2.3	8	10.6	8	11.5	-	-	3	6.6	3	7.5	-	-
Parkinson's Disease (G20-G21)	2416	37.4	2184	42.7	222	20.2	38	50.4	37	53.1	1	-	15	32.9	15	37.3	-	-
Alzheimer's Disease (G30)	14245	220.6	12343	241.2	1814	165.2	254	336.8	242	347.3	10	-	118	258.9	108	268.8	10	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	2991	46.3	2485	48.6	471	42.9	32	42.4	31	44.5	-	-	23	50.5	18	44.8	5	-
Cerebrovascular Diseases (I60-I69)	107	1.7	100	2.0	7	0.6	-	-	-	-	-	-	8	17.6	6	14.9	2	-
Atherosclerosis (I70)	1421	22.0	1267	24.8	147	13.4	33	43.8	31	44.5	1	-	27	59.2	27	67.2	-	-
Influenza and Pneumonia (J09-J18)	3658	56.7	3367	65.8	273	24.9	45	59.7	44	63.1	1	-	9	19.7	8	19.9	1	-
Chronic Lower Respiratory Diseases (J40-J47)	807	12.5	712	13.9	86	7.8	13	17.2	13	18.7	-	-	3	6.6	3	7.5	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	930	14.4	728	14.2	191	17.4	12	15.9	12	17.2	-	-	-	-	-	-	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	244	3.8	136	2.7	99	9.0	3	4.0	3	4.3	-	-	-	-	-	-	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	243	3.8	187	3.7	50	4.6	3	4.0	2	2.9	1	-	3	6.6	2	5.0	1	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	1163	18.0	982	19.2	174	15.8	8	10.6	8	11.5	-	-	7	15.4	6	14.9	1	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	3302	51.1	2944	57.5	326	29.7	47	62.3	46	66.0	-	-	22	48.3	21	52.3	1	-
Accidents (V01-X59, Y85-Y86)	958	14.8	824	16.1	117	10.7	15	19.9	15	21.5	-	-	7	15.4	7	17.4	1	-
Motor Vehicle Accidents	2344	36.3	2120	41.4	209	19.0	32	42.4	31	44.5	-	-	15	32.9	14	34.8	1	-
All Other Accidents and Adverse Effects	956	14.8	877	17.1	62	5.6	8	10.6	8	11.5	-	-	10	21.9	10	24.9	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	456	7.1	199	3.9	251	22.9	5	6.6	4	5.7	1	-	2	4.4	2	5.0	-	-
Assault (Homicide)(X85-Y09,Y87.1)	11572	179.2	9952	194.5	1543	140.5	172	228.1	168	241.1	4	-	79	173.4	69	171.7	10	-
All Other Causes																		

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	BENTON						BLEDSOE						BLOUNT					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	16,372		15,581		420		12,786		12,043		506		124,174		117,169		3,633	
Live Births	152	9.3	145	9.3	5	11.9	116	9.1	114	9.5	-	-	1272	10.2	1218	10.4	32	8.8
Illegitimate Births	73	48.0	70	48.3	3	-	47	40.5	46	40.4	-	-	492	38.7	465	38.2	20	62.5
Low Birthweight (less than 2,500 grams)	15	9.9	11	7.6	3	-	5	4.3	5	4.4	-	-	110	8.6	104	8.5	3	9.4
Infant Deaths (under one year of age)	-	-	-	-	-	-	-	-	-	-	-	-	4	3.1	4	3.3	-	-
Neonatal Deaths (under 28 days of age)	-	-	-	-	-	-	-	-	-	-	-	-	3	2.4	3	2.5	-	-
Under 7 days of age	-	-	-	-	-	-	-	-	-	-	-	-	2	1.6	2	1.6	-	-
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	1	0.8	1	0.8	-	-
Other Terminations	11	72.4	11	75.9	-	-	4	34.5	3	26.3	-	-	154	121.1	136	111.7	12	375.0
Total Deaths	245	15.0	242	15.5	3	7.1	119	9.3	119	9.9	-	-	1261	10.2	1229	10.5	26	7.2
Septicemia (A40-A41)	2	12.2	2	12.8	-	-	1	7.8	1	8.3	-	-	15	12.1	15	12.8	-	-
Malignant Neoplasms (C00-C97)	51	311.5	51	327.3	-	-	30	234.6	30	249.1	-	-	268	215.8	263	224.5	2	2
Diabetes Mellitus (E10-E14)	3	18.3	3	19.3	-	-	5	39.1	5	41.5	-	-	32	25.8	29	24.8	3	3
Parkinson's Disease (G20-G21)	-	-	-	-	-	-	1	7.8	1	8.3	-	-	13	10.5	13	11.1	-	-
Alzheimer's Disease (G30)	11	67.2	11	70.6	-	-	24	187.7	24	199.3	-	-	69	55.6	67	57.2	2	2
Diseases of Heart (I00-I09,I11,I13,I20-I51)	78	476.4	78	500.6	-	-	6	46.9	6	49.8	-	-	81	65.2	78	66.6	2	2
Cerebrovascular Diseases (I60-I69)	6	36.6	5	32.1	1	-	1	7.8	1	8.3	-	-	1	0.8	1	0.9	-	-
Atherosclerosis (I70)	3	18.3	3	19.3	-	-	4	31.3	4	33.2	-	-	38	30.6	37	31.6	1	1
Chronic Lower Respiratory Diseases (J40-J47)	11	67.2	11	70.6	-	-	7	54.7	7	58.1	-	-	79	63.6	78	66.6	1	1
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	2	12.2	2	12.8	-	-	2	15.6	2	16.6	-	-	16	12.9	16	13.7	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	1	6.1	1	6.4	-	-	1	7.8	1	8.3	-	-	21	16.9	21	17.9	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	-	-	-	-	-	-	2	1.6	2	1.7	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	1	6.1	1	6.4	-	-	1	7.8	1	8.3	-	-	3	2.4	3	2.6	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	9	55.0	9	57.8	-	-	3	23.5	3	24.9	-	-	48	38.7	47	40.1	1	1
Accidents (V01-X59, Y85-Y86)	20	122.2	19	121.9	1	-	3	23.5	3	24.9	-	-	65	52.3	63	53.8	-	-
Motor Vehicle Accidents	7	42.8	7	44.9	-	-	1	7.8	1	8.3	-	-	16	12.9	15	12.8	-	-
All Other Accidents and Adverse Effects	13	79.4	12	77.0	1	-	2	15.6	2	16.6	-	-	49	39.5	48	41.0	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	4	24.4	4	25.7	-	-	2	15.6	2	16.6	-	-	14	11.3	13	11.1	1	1
Assault (Homicide)(X85-Y09,Y87.1)	-	-	-	-	-	-	-	-	-	-	-	-	2	1.6	2	1.7	-	-
All Other Causes	43	262.6	42	269.6	1	-	28	219.0	28	232.5	-	-	294	236.8	290	247.5	4	4

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	BRADLEY						CAMPBELL						CANNON					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	101,140		93,215		4,632		40,433		39,559		172		13,817		13,333		219	
Live Births	1169	11.6	1087	11.7	62	13.4	415	10.3	414	10.5	-	-	155	11.2	153	11.5	-	-
Illegitimate Births	441	37.7	396	36.4	40	64.5	201	48.4	200	48.3	-	-	62	40.0	62	40.5	-	-
Low Birthweight (less than 2,500 grams)	87	7.4	80	7.4	6	9.7	51	12.3	51	12.3	-	-	17	11.0	17	11.1	-	-
Infant Deaths (under one year of age)	9	7.7	9	8.3	-	-	1	2.4	1	2.4	-	-	2	12.9	2	13.1	-	-
Neonatal Deaths (under 28 days of age)	2	1.7	2	1.8	-	-	1	2.4	1	2.4	-	-	1	6.5	1	6.5	-	-
Under 7 days of age	2	1.7	2	1.8	-	-	1	2.4	1	2.4	-	-	1	6.5	1	6.5	-	-
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	100	85.5	82	75.4	11	177.4	26	62.7	26	62.8	-	-	14	90.3	13	85.0	-	-
Total Deaths	936	9.3	911	9.8	23	5.0	514	12.7	512	12.9	1	5.8	165	11.9	158	11.9	6	27.4
Septicemia (A40-A41)	11	10.9	11	11.8	-	-	6	14.8	6	15.2	-	-	3	21.7	3	22.5	-	-
Malignant Neoplasms (C00-C97)	215	212.6	212	227.4	3	-	119	294.3	118	298.3	1	-	37	267.8	35	262.5	2	-
Diabetes Mellitus (E10-E14)	24	23.7	21	22.5	2	-	15	37.1	15	37.9	-	-	3	21.7	2	15.0	1	-
Parkinson's Disease (G20-G21)	6	5.9	5	5.4	1	-	3	7.4	3	7.6	-	-	1	7.2	1	7.5	-	-
Alzheimer's Disease (G30)	35	34.6	34	36.5	1	-	13	32.2	13	32.9	-	-	7	50.7	6	45.0	1	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	242	239.3	234	251.0	7	-	114	281.9	113	285.6	-	-	35	253.3	33	247.5	1	-
Cerebrovascular Diseases (I60-I69)	42	41.5	39	41.8	3	-	25	61.8	25	63.2	-	-	5	36.2	5	37.5	-	-
Atherosclerosis (I70)	1	1.0	1	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Influenza and Pneumonia (J09-J18)	20	19.8	20	21.5	-	-	13	32.2	13	32.9	-	-	2	14.5	2	15.0	-	-
Chronic Lower Respiratory Diseases (J40-J47)	57	56.4	56	60.1	1	-	44	108.8	44	111.2	-	-	8	57.9	8	60.0	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	9	8.9	9	9.7	-	-	8	19.8	8	20.2	-	-	-	-	-	-	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	14	13.8	14	15.0	-	-	8	19.8	8	20.2	-	-	3	21.7	3	22.5	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	1.0	1	1.1	-	-	1	2.5	1	2.5	-	-	1	7.2	1	7.5	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	2	2.0	2	2.1	-	-	2	4.9	2	5.1	-	-	1	7.2	1	7.5	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	17	16.8	17	18.2	-	-	8	19.8	8	20.2	-	-	3	21.7	3	22.5	-	-
Accidents (V01-X59, Y85-Y86)	66	65.3	65	69.7	1	-	30	74.2	30	75.8	-	-	18	130.3	17	127.5	1	-
Motor Vehicle Accidents	18	17.8	18	19.3	-	-	11	27.2	11	27.8	-	-	9	65.1	8	60.0	1	-
All Other Accidents and Adverse Effects	48	47.5	47	50.4	1	-	19	47.0	19	48.0	-	-	9	65.1	9	67.5	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	15	14.8	15	16.1	-	-	6	14.8	6	15.2	-	-	4	28.9	4	30.0	-	-
Assault (Homicide)(X85-Y09,Y87.1)	5	4.9	5	5.4	-	-	1	2.5	1	2.5	-	-	2	14.5	2	15.0	-	-
All Other Causes	154	152.3	150	160.9	4	-	98	242.4	98	247.7	-	-	32	231.6	32	240.0	-	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	CARROLL						CARTER						CHEATHAM					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	28,380		24,747		2,959		57,353		55,555		827		39,279		37,796		659	
Live Births	330	11.6	301	12.2	26	8.8	517	9.0	499	9.0	8	9.7	443	11.3	438	11.6	1	1.5
Illegitimate Births	146	44.2	121	40.2	22	84.6	214	41.4	208	41.7	4	-	169	38.1	167	38.1	1	-
Low Birthweight (less than 2,500 grams)	32	9.7	29	9.6	3	11.5	44	8.5	43	8.6	-	-	34	7.7	34	7.8	-	-
Infant Deaths (under one year of age)	3	9.1	3	10.0	-	-	3	5.8	3	6.0	-	-	3	6.8	3	6.8	-	-
Neonatal Deaths (under 28 days of age)	1	3.0	1	3.3	-	-	2	3.9	2	4.0	-	-	1	2.3	1	2.3	-	-
Under 7 days of age	1	3.0	1	3.3	-	-	2	3.9	2	4.0	-	-	1	2.3	1	2.3	-	-
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	32	97.0	27	89.7	3	115.4	13	25.1	13	26.1	-	-	47	106.1	40	91.3	4	-
Total Deaths	375	13.2	340	13.7	33	11.2	638	11.1	624	11.2	7	8.5	370	9.4	358	9.5	10	15.2
Cause of Death																		
Septicemia (A40-A41)	4	14.1	4	16.2	-	-	10	17.4	10	18.0	-	-	2	5.1	2	5.3	-	-
Malignant Neoplasms (C00-C97)	83	292.5	78	315.2	5	-	144	251.1	139	250.2	3	-	93	236.8	91	240.8	2	-
Diabetes Mellitus (E10-E14)	9	31.7	8	32.3	1	-	11	19.2	10	18.0	1	-	13	33.1	12	31.7	1	-
Parkinson's Disease (G20-G21)	1	3.5	1	4.0	-	-	8	13.9	8	14.4	-	-	-	-	-	-	-	-
Alzheimer's Disease (G30)	24	84.6	22	88.9	2	-	25	43.6	25	45.0	-	-	7	17.8	7	18.5	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	115	405.2	105	424.3	10	-	139	242.4	138	248.4	-	-	73	185.8	72	190.5	1	-
Cerebrovascular Diseases (I60-I69)	23	81.0	16	64.7	6	-	27	47.1	27	48.6	-	-	15	38.2	14	37.0	1	-
Atherosclerosis (I70)	-	-	-	-	-	-	1	1.7	1	1.8	-	-	-	-	-	-	-	-
Influenza and Pneumonia (J09-J18)	6	21.1	5	20.2	1	-	28	48.8	28	50.4	-	-	2	5.1	2	5.3	-	-
Chronic Lower Respiratory Diseases (J40-J47)	17	59.9	16	64.7	1	-	41	71.5	39	70.2	1	-	31	78.9	30	79.4	1	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	3	10.6	2	8.1	-	-	17	29.6	17	30.6	-	-	6	15.3	5	13.2	1	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	2	7.0	1	4.0	1	-	3	5.2	3	5.4	-	-	4	10.2	4	10.6	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	2	3.5	2	3.6	-	-	1	2.5	1	2.6	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	2	7.0	2	8.1	-	-	2	3.5	2	3.6	-	-	2	5.1	2	5.3	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	5	17.6	5	20.2	-	-	13	22.7	13	23.4	-	-	5	12.7	5	13.2	-	-
Accidents (V01-X59, Y85-Y86)	20	70.5	17	68.7	3	-	28	48.8	26	46.8	-	-	30	76.4	29	76.7	-	-
Motor Vehicle Accidents	4	14.1	4	16.2	-	-	11	19.2	10	18.0	-	-	11	28.0	10	26.5	-	-
All Other Accidents	16	56.4	13	52.5	3	-	17	29.6	16	28.8	-	-	19	48.4	19	50.3	-	-
All Other Accidents and Adverse Effects	3	10.6	3	12.1	-	-	9	15.7	9	16.2	-	-	4	10.2	4	10.6	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assault (Homicide)(X85-Y09,Y87.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Other Causes	58	204.4	55	222.2	3	-	130	226.7	127	228.6	2	-	68	173.1	64	169.3	3	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	CHESTER						CLAIBORNE						CLAY						
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	
Estimated Population, April 1, 2012	17,168		15,140		1,599		31,733		30,766		322		7,845		7,584		122		
Live Births	180	10.5	165	10.9	13	8.1	301	9.5	242	7.9	2	6.2	94	12.0	92	12.1	1	8.2	
Illegitimate Births	73	40.6	63	38.2	10	76.9	122	40.5	94	38.8	2	-	41	43.6	40	43.5	1	-	
Low Birthweight (less than 2,500 grams)	10	5.6	9	5.5	1	7.7	36	12.0	29	12.0	-	-	5	5.3	5	5.4	-	-	
Infant Deaths (under one year of age)	1	5.6	1	6.1	-	-	3	10.0	3	12.4	-	-	1	10.6	1	10.9	-	-	
Neonatal Deaths (under 28 days of age)	-	-	-	-	-	-	2	6.6	2	8.3	-	-	-	-	-	-	-	-	
Under 7 days of age	-	-	-	-	-	-	1	3.3	1	4.1	-	-	-	-	-	-	-	-	
7-27 days of age	-	-	-	-	-	-	1	3.3	1	4.1	-	-	-	-	-	-	-	-	
Other Terminations	19	105.6	13	78.8	6	461.5	27	89.7	23	95.0	4	-	1	10.6	1	10.9	-	-	
Total Deaths	168	9.8	157	10.4	11	6.9	418	13.2	413	13.4	2	6.2	126	16.1	122	16.1	3	24.6	
Cause of Death																			
Septicemia (A40-A41)	2	11.6	2	13.2	-	-	8	25.2	8	26.0	-	-	2	25.5	2	26.4	-	-	
Malignant Neoplasms (C00-C97)	34	198.0	31	204.8	3	-	83	261.6	80	260.0	1	-	34	433.4	33	435.1	1	-	
Diabetes Mellitus (E10-E14)	11	64.1	10	66.1	1	-	8	25.2	8	26.0	-	-	3	38.2	2	26.4	1	-	
Parkinson's Disease (G20-G21)	1	5.8	1	6.6	-	-	2	6.3	2	6.5	-	-	-	-	-	-	-	-	
Alzheimer's Disease (G30)	4	23.3	3	19.8	1	-	15	47.3	15	48.8	-	-	3	38.2	3	39.6	-	-	
Diseases of Heart (I00-I09,I11,I13,I20-I51)	45	262.1	43	284.0	2	-	101	318.3	101	328.3	-	-	35	446.1	33	435.1	1	-	
Cerebrovascular Diseases (I60-I69)	8	46.6	8	52.8	-	-	23	72.5	23	74.8	-	-	9	114.7	9	118.7	-	-	
Atherosclerosis (I70)	-	-	-	-	-	-	1	3.2	1	3.3	-	-	-	-	-	-	-	-	
Influenza and Pneumonia (J09-J18)	3	17.5	3	19.8	-	-	30	94.5	30	97.5	-	-	5	63.7	5	65.9	-	-	
Chronic Lower Respiratory Diseases (J40-J47)	13	75.7	13	85.9	-	-	27	85.1	26	84.5	-	-	9	114.7	9	118.7	-	-	
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	-	-	-	-	-	-	2	6.3	2	6.5	-	-	1	12.7	1	13.2	-	-	
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	1	5.8	1	6.6	-	-	5	15.8	5	16.3	-	-	-	-	-	-	-	-	
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	1	3.2	1	3.3	-	-	-	-	-	-	-	-	
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	2	11.6	2	13.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	2	11.6	2	13.2	-	-	9	28.4	9	29.3	-	-	2	25.5	2	26.4	-	-	
Accidents (V01-X59, Y85-Y86)	3	17.5	3	19.8	-	-	29	91.4	29	94.3	-	-	4	51.0	4	52.7	-	-	
Motor Vehicle Accidents	1	5.8	1	6.6	-	-	11	34.7	11	35.8	-	-	2	25.5	2	26.4	-	-	
All Other Accidents and Adverse Effects	2	11.6	2	13.2	-	-	18	56.7	18	58.5	-	-	2	25.5	2	26.4	-	-	
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	4	23.3	4	26.4	-	-	8	25.2	8	26.0	-	-	1	12.7	1	13.2	-	-	
Assault (Homicide)(X85-Y09,Y87.1)	-	-	-	-	-	-	-	-	-	-	-	-	18	229.4	18	237.3	-	-	
All Other Causes	35	203.9	31	204.8	4	-	66	208.0	65	211.3	1	-	1	12.7	1	13.2	-	-	

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TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	COCKE						COFFEE						CROCKETT						
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	
Estimated Population, April 1, 2012	35,564		33,984		712		53,225		49,537		1,948		14,621		12,264		1,986		
Live Births	387	10.9	380	11.2	6	8.4	633	11.9	601	12.1	23	11.8	192	13.1	171	13.9	20	10.1	
Illegitimate Births	228	58.9	223	58.7	5	-	294	46.4	272	45.3	19	82.6	82	42.7	65	38.0	17	85.0	
Low Birthweight (less than 2,500 grams)	29	7.5	28	7.4	1	-	67	10.6	64	10.6	2	8.7	15	7.8	13	7.6	2	10.0	
Infant Deaths (under one year of age)	1	2.6	-	-	1	-	3	4.7	3	5.0	-	-	2	10.4	2	11.7	-	-	
Neonatal Deaths (under 28 days of age)	-	-	-	-	-	-	1	1.6	1	1.7	-	-	2	10.4	2	11.7	-	-	
Under 7 days of age	-	-	-	-	-	-	1	1.6	1	1.7	-	-	2	10.4	2	11.7	-	-	
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other Terminations	31	80.1	31	81.6	-	-	62	97.9	56	93.2	5	217.4	13	67.7	10	58.5	3	150.0	
Total Deaths	487	13.7	478	14.1	8	11.2	654	12.3	635	12.8	14	7.2	170	11.6	143	11.7	27	13.6	
Cause of Death																			
Septicemia (A40-A41)	4	11.2	3	8.8	1	-	10	18.8	9	18.2	1	-	1	6.8	1	8.2	-	-	
Malignant Neoplasms (C00-C97)	121	340.2	120	353.1	1	-	116	217.9	111	224.1	3	-	30	205.2	26	212.0	4	-	
Diabetes Mellitus (E10-E14)	13	36.6	13	38.3	-	-	25	47.0	25	50.5	-	-	7	47.9	7	57.1	-	-	
Parkinson's Disease (G20-G21)	2	5.6	2	5.9	-	-	10	18.8	10	20.2	-	-	1	6.8	1	8.2	-	-	
Alzheimer's Disease (G30)	16	45.0	16	47.1	-	-	39	73.3	38	76.7	-	-	8	54.7	7	57.1	1	-	
Diseases of Heart (I00-I09, I11, I13, I20-I51)	134	376.8	133	391.4	1	-	141	264.9	136	274.5	4	-	52	355.7	38	309.8	14	-	
Cerebrovascular Diseases (I60-I69)	22	61.9	20	58.9	2	-	28	52.6	28	56.5	-	-	6	41.0	4	32.6	2	-	
Atherosclerosis (I70)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Influenza and Pneumonia (J09-J18)	10	28.1	10	29.4	-	-	17	31.9	17	34.3	-	-	1	6.8	1	8.2	-	-	
Chronic Lower Respiratory Diseases (J40-J47)	31	87.2	31	91.2	-	-	48	90.2	46	92.9	2	-	4	27.4	3	24.5	1	-	
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	4	11.2	3	8.8	1	-	8	15.0	8	16.1	-	-	1	6.8	1	8.2	-	-	
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	5	14.1	5	14.7	-	-	7	13.2	6	12.1	1	-	2	13.7	2	16.3	-	-	
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	1	1.9	1	2.0	-	-	2	13.7	2	16.3	-	-	
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	1	2.8	1	2.9	-	-	3	5.6	3	6.1	-	-	2	13.7	2	16.3	-	-	
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	19	53.4	18	53.0	1	-	9	16.9	9	18.2	-	-	5	34.2	4	32.6	1	-	
Accidents (V01-X59, Y85-Y86)	25	70.3	25	73.6	-	-	40	75.2	39	78.7	1	-	6	41.0	5	40.8	1	-	
Motor Vehicle Accidents	11	30.9	11	32.4	-	-	11	20.7	10	20.2	1	-	3	20.5	2	16.3	1	-	
All Other Accidents and Adverse Effects	14	39.4	14	41.2	-	-	29	54.5	29	58.5	-	-	3	20.5	3	24.5	-	-	
Intentional Self-Harm (Suicide)(X60-X84, Y87.0)	7	19.7	7	20.6	-	-	13	24.4	13	26.2	-	-	1	6.8	1	8.2	-	-	
Assault (Homicide)(X85-Y09, Y87.1)	3	8.4	3	8.8	-	-	3	5.6	3	6.1	-	-	2	13.7	2	16.3	-	-	
All Other Causes	70	196.8	68	200.1	1	-	136	255.5	133	268.5	2	-	39	266.7	36	293.5	3	-	

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TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	CUMBERLAND						DAVIDSON						DECATUR					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	57,037		55,622		292		648,292		426,647		182,391		11,679		11,098		360	
Live Births	573	10.0	564	10.1	3	10.3	9721	15.0	6411	15.0	2803	15.4	101	8.6	100	9.0	1	2.8
Illegitimate Births	252	44.0	248	44.0	2	-	4208	43.3	2059	32.1	2049	73.1	50	49.5	49	49.0	1	-
Low Birthweight (less than 2,500 grams)	35	6.1	35	6.2	-	-	899	9.2	465	7.3	383	13.7	8	7.9	8	8.0	-	-
Infant Deaths (under one year of age)	3	5.2	3	5.3	-	-	69	7.1	33	5.1	32	11.4	-	-	-	-	-	-
Neonatal Deaths (under 28 days of age)	-	-	-	-	-	-	46	4.7	26	4.1	18	6.4	-	-	-	-	-	-
Under 7 days of age	-	-	-	-	-	-	39	4.0	21	3.3	16	5.7	-	-	-	-	-	-
7-27 days of age	-	-	-	-	-	-	7	0.7	5	0.8	2	0.7	-	-	-	-	-	-
Other Terminations	41	71.6	39	69.1	-	-	2320	238.7	896	139.8	1168	416.7	13	128.7	12	120.0	1	2.8
Total Deaths	748	13.1	743	13.4	2	6.8	4942	7.6	3657	8.6	1217	6.7	169	14.5	168	15.1	1	2.8
Cause of Death																		
Septicemia (A40-A41)	10	17.5	10	18.0	-	-	49	7.6	40	9.4	9	4.9	2	17.1	2	18.0	-	-
Malignant Neoplasms (C00-C97)	179	313.8	178	320.0	1	-	1132	174.6	801	187.7	308	168.9	44	376.7	44	396.5	-	-
Diabetes Mellitus (E10-E14)	36	63.1	36	64.7	-	-	161	24.8	91	21.3	68	37.3	4	34.2	4	36.0	-	-
Parkinson's Disease (G20-G21)	4	7.0	4	7.2	-	-	40	6.2	30	7.0	10	5.5	-	-	-	-	-	-
Alzheimer's Disease (G30)	34	59.6	34	61.1	-	-	164	25.3	140	32.8	22	12.1	3	25.7	3	27.0	-	-
Diseases of Heart (I00-I09, I11.1, I13, I20-I51)	209	366.4	208	374.0	-	-	1108	170.9	843	197.6	258	141.5	46	393.9	46	414.5	-	-
Cerebrovascular Diseases (I60-I69)	30	52.6	30	53.9	-	-	240	37.0	171	40.1	61	33.4	2	17.1	2	18.0	-	-
Atherosclerosis (I70)	-	-	-	-	-	-	2	0.3	2	0.5	-	-	-	-	-	-	-	-
Influenza and Pneumonia (J09-J18)	15	26.3	15	27.0	-	-	72	11.1	58	13.6	12	6.6	2	17.1	2	18.0	-	-
Chronic Lower Respiratory Diseases (J40-J47)	33	57.9	33	59.3	-	-	237	36.6	200	46.9	36	19.7	7	59.9	7	63.1	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	9	15.8	9	16.2	-	-	79	12.2	57	13.4	20	11.0	3	25.7	3	27.0	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	8	14.0	8	14.4	-	-	70	10.8	40	9.4	28	15.4	6	51.4	6	54.1	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	31	4.8	16	3.8	13	7.1	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	1	1.8	1	1.8	-	-	39	6.0	26	6.1	12	6.6	-	-	-	-	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	9	15.8	9	16.2	-	-	85	13.1	56	13.1	28	15.4	5	42.8	5	45.1	-	-
Accidents (V01-X59, Y85-Y86)	44	77.1	43	77.3	-	-	311	48.0	255	59.8	55	30.2	16	137.0	16	144.2	-	-
Motor Vehicle Accidents	17	29.8	16	28.8	-	-	50	7.7	38	8.9	11	6.0	6	51.4	6	54.1	-	-
All Other Accidents and Adverse Effects	27	47.3	27	48.5	-	-	261	40.3	217	50.9	44	24.1	10	85.6	10	90.1	-	-
Intentional Self-Harm (Suicide)(X60-X84, Y87.0)	16	28.1	16	28.8	-	-	72	11.1	61	14.3	9	4.9	1	8.6	1	9.0	-	-
Assault (Homicide)(X85-Y09, Y87.1)	3	5.3	3	5.4	-	-	69	10.6	21	4.9	47	25.8	2	17.1	2	18.0	-	-
All Other Causes	108	189.4	106	190.6	1	6.8	981	151.3	749	175.6	221	121.2	26	222.6	25	225.3	1	2.8

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	DEKALB						DICKSON						DYER					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	18,907		18,189		372		50,391		46,809		2,165		38,254		31,659		5,638	
Live Births	230	12.2	225	12.4	3	8.1	570	11.3	541	11.6	15	6.9	496	13.0	395	12.5	89	15.8
Illegitimate Births	95	41.3	92	40.9	2	-	244	42.8	228	42.1	13	86.7	266	53.6	187	47.3	75	84.3
Low Birthweight (less than 2,500 grams)	23	10.0	22	9.8	-	-	46	8.1	40	7.4	3	20.0	57	11.5	36	9.1	18	20.2
Infant Deaths (under one year of age)	2	8.7	2	8.9	-	-	1	1.8	1	1.8	-	-	10	20.2	6	15.2	4	44.9
Neonatal Deaths (under 28 days of age)	-	-	-	-	-	-	-	-	-	-	-	-	6	12.1	4	10.1	2	22.5
Under 7 days of age	-	-	-	-	-	-	-	-	-	-	-	-	6	12.1	4	10.1	2	22.5
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	19	82.6	18	80.0	1	-	65	114.0	56	103.5	6	400.0	50	100.8	25	63.3	22	247.2
Total Deaths	229	12.1	224	12.3	3	8.1	462	9.2	447	9.5	13	6.0	398	10.4	345	10.9	53	9.4
Septicemia (A40-A41)	2	10.6	2	11.0	-	-	4	7.9	4	8.5	-	-	8	20.9	6	19.0	2	35.5
Malignant Neoplasms (C00-C97)	41	216.9	39	214.4	1	-	111	220.3	106	226.5	5	-	81	211.7	69	217.9	12	212.8
Diabetes Mellitus (E10-E14)	9	47.6	8	44.0	1	-	12	23.8	11	23.5	1	-	11	28.8	7	22.1	4	70.9
Parkinson's Disease (G20-G21)	-	-	-	-	-	-	1	2.0	1	2.1	-	-	3	7.8	3	9.5	-	-
Alzheimer's Disease (G30)	9	47.6	9	49.5	-	-	11	21.8	11	23.5	-	-	12	31.4	12	37.9	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	49	259.2	47	258.4	1	-	113	224.2	109	232.9	4	-	99	258.8	83	262.2	16	283.8
Cerebrovascular Diseases (I60-I69)	19	100.5	19	104.5	-	-	25	49.6	25	53.4	-	-	25	65.4	24	75.8	1	17.7
Atherosclerosis (I70)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Influenza and Pneumonia (J09-J18)	5	26.4	5	27.5	-	-	16	31.8	15	32.0	1	-	8	20.9	4	12.6	4	70.9
Chronic Lower Respiratory Diseases (J40-J47)	15	79.3	15	82.5	-	-	29	57.5	28	59.8	1	-	18	47.1	18	56.9	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	3	15.9	3	16.5	-	-	4	7.9	4	8.5	-	-	2	5.2	1	3.2	1	17.7
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	8	42.3	8	44.0	-	-	10	19.8	10	21.4	-	-	1	2.6	1	3.2	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	-	-	-	-	-	-	1	2.6	-	-	1	17.7
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	-	-	-	-	-	-	1	2.0	1	2.1	-	-	7	18.3	5	15.8	2	35.5
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	8	42.3	8	44.0	-	-	5	9.9	5	10.7	-	-	24	62.7	22	69.5	2	35.5
Accidents (V01-X59, Y85-Y86)	16	84.6	16	88.0	-	-	33	65.5	32	68.4	-	-	23	60.1	22	69.5	1	17.7
Motor Vehicle Accidents	3	15.9	3	16.5	-	-	14	27.8	13	27.8	-	-	8	20.9	8	25.3	-	-
All Other Accidents and Adverse Effects	13	68.8	13	71.5	-	-	19	37.7	19	40.6	-	-	15	39.2	14	44.2	1	17.7
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	3	15.9	3	16.5	-	-	7	13.9	7	15.0	-	-	3	7.8	3	9.5	-	-
Assault (Homicide)(X85-Y09,Y87.1)	2	10.6	2	11.0	-	-	2	4.0	2	4.3	-	-	1	2.6	1	3.2	-	-
All Other Causes	40	211.6	40	219.9	-	-	78	154.8	76	162.4	1	-	71	185.6	64	202.2	7	124.2

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TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	FAYETTE						FENTRESS						FRANKLIN						
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	
Estimated Population, April 1, 2012	38,655		27,181		10,789		17,935		17,632		48		40,769		37,466		2,111		
Live Births	425	11.0	309	11.4	112	10.4	185	10.3	185	10.5	-	-	399	9.8	373	10.0	13	6.2	
Illegitimate Births	163	38.4	75	24.3	86	76.8	78	42.2	78	42.2	-	-	183	45.9	168	45.0	10	76.9	
Low Birthweight (less than 2,500 grams)	37	8.7	22	7.1	15	13.4	11	5.9	11	5.9	-	-	29	7.3	28	7.5	-	-	
Infant Deaths (under one year of age)	-	-	-	-	-	-	3	16.2	3	16.2	-	-	4	10.0	3	8.0	1	76.9	
Neonatal Deaths (under 28 days of age)	-	-	-	-	-	-	-	-	-	-	-	-	2	5.0	1	2.7	1	76.9	
Under 7 days of age	-	-	-	-	-	-	-	-	-	-	-	-	2	5.0	1	2.7	1	76.9	
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other Terminations	79	185.9	30	97.1	47	419.6	17	91.9	17	91.9	-	-	31	77.7	28	75.1	1	76.9	
Total Deaths	290	7.5	202	7.4	85	7.9	223	12.4	222	12.6	-	-	499	12.2	466	12.4	30	14.2	
Cause of Death																			
Septicemia (A40-A41)	5	12.9	4	14.7	1	9.3	3	16.7	3	17.0	-	-	10	24.5	10	26.7	-	-	
Malignant Neoplasms (C00-C97)	75	194.0	50	184.0	24	222.4	47	262.1	47	266.6	-	-	102	250.2	96	256.2	6	6	
Diabetes Mellitus (E10-E14)	9	23.3	6	22.1	3	27.8	15	83.6	15	85.1	-	-	22	54.0	17	45.4	5	5	
Parkinson's Disease (G20-G21)	6	15.5	6	22.1	-	-	1	5.6	1	5.7	-	-	10	24.5	10	26.7	-	-	
Alzheimer's Disease (G30)	6	15.5	5	18.4	1	9.3	1	5.6	1	5.7	-	-	22	54.0	21	56.1	1	1	
Diseases of Heart (I00-I09,I11,I13,I20-I51)	67	173.3	45	165.6	22	203.9	55	306.7	55	311.9	-	-	127	311.5	123	328.3	3	3	
Cerebrovascular Diseases (I60-I69)	12	31.0	8	29.4	4	37.1	10	55.8	10	56.7	-	-	19	46.6	18	48.0	1	1	
Atherosclerosis (I70)	1	2.6	1	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Influenza and Pneumonia (J09-J18)	7	18.1	6	22.1	1	9.3	4	22.3	4	22.7	-	-	12	29.4	10	26.7	2	2	
Chronic Lower Respiratory Diseases (J40-J47)	22	56.9	20	73.6	2	18.5	24	133.8	24	136.1	-	-	25	61.3	24	64.1	1	1	
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	2	5.2	2	7.4	-	-	3	16.7	2	11.3	-	-	6	14.7	6	16.0	-	-	
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	6	15.5	3	11.0	3	27.8	1	5.6	1	5.7	-	-	6	14.7	6	16.0	-	-	
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	-	-	-	-	-	-	2	4.9	1	2.7	1	1	
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	2	5.2	1	3.7	1	9.3	8	44.6	8	45.4	-	-	4	9.8	4	10.7	-	-	
Accidents (V01-X59, Y85-Y86)	15	38.8	11	40.5	4	37.1	10	55.8	10	56.7	-	-	30	73.6	26	69.4	2	2	
Motor Vehicle Accidents	6	15.5	3	11.0	3	27.8	4	22.3	4	22.7	-	-	12	29.4	10	26.7	1	1	
All Other Accidents and Adverse Effects	9	23.3	8	29.4	1	9.3	6	33.5	6	34.0	-	-	18	44.2	16	42.7	1	1	
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	1	2.6	-	-	1	9.3	4	22.3	4	22.7	-	-	7	17.2	6	16.0	1	1	
Assault (Homicide)(X85-Y09,Y87.1)	2	5.2	1	3.7	1	9.3	1	5.6	1	5.7	-	-	2	4.9	2	5.3	-	-	
All Other Causes	52	134.5	33	121.4	17	157.6	36	200.7	36	204.2	-	-	93	228.1	86	229.5	7	7	

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TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	GIBSON						GILES						GRAINGER					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	49,634		39,500		9,231		29,071		25,310		2,961		22,690		22,232		138	
Live Births	607	12.2	455	11.5	141	15.3	294	10.1	242	9.6	29	9.8	220	9.7	218	9.8	-	-
Illegitimate Births	312	51.4	190	41.8	120	85.1	129	43.9	105	43.4	22	75.9	84	38.2	82	37.6	-	-
Low Birthweight (less than 2,500 grams)	51	8.4	28	6.2	22	15.6	29	9.9	22	9.1	4	13.8	20	9.1	19	8.7	-	-
Infant Deaths (under one year of age)	2	3.3	1	2.2	-	-	2	6.8	2	8.3	-	-	1	4.5	1	4.6	-	-
Neonatal Deaths (under 28 days of age)	2	3.3	1	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Under 7 days of age	1	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7-27 days of age	1	1.6	1	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	60	98.8	37	81.3	21	148.9	37	125.9	28	115.7	7	241.4	11	50.0	10	45.9	1	-
Total Deaths	671	13.5	569	14.4	98	10.6	336	11.6	310	12.2	26	8.8	248	10.9	247	11.1	-	-
Cause of Death																		
Septicemia (A40-A41)	13	26.2	8	20.3	5	54.2	10	34.4	9	35.6	1	-	-	-	-	-	-	-
Malignant Neoplasms (C00-C97)	127	255.9	106	268.4	21	227.5	85	292.4	76	300.3	9	-	49	216.0	49	220.4	-	-
Diabetes Mellitus (E10-E14)	22	44.3	15	38.0	7	75.8	7	24.1	6	23.7	1	-	8	35.3	8	36.0	-	-
Parkinson's Disease (G20-G21)	6	12.1	5	12.7	1	10.8	4	13.8	4	15.8	-	-	4	17.6	4	18.0	-	-
Alzheimer's Disease (G30)	50	100.7	48	121.5	2	21.7	8	27.5	7	27.7	1	-	7	30.9	7	31.5	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	164	330.4	141	357.0	22	238.3	76	261.4	72	284.5	4	-	49	216.0	49	220.4	-	-
Cerebrovascular Diseases (I60-I69)	53	106.8	41	103.8	12	130.0	19	65.4	17	67.2	2	-	8	35.3	8	36.0	-	-
Atherosclerosis (I70)	1	2.0	1	2.5	-	-	1	3.4	1	4.0	-	-	-	-	-	-	-	-
Influenza and Pneumonia (J09-J18)	10	20.1	9	22.8	1	10.8	6	20.6	6	23.7	-	-	6	26.4	6	27.0	-	-
Chronic Lower Respiratory Diseases (J40-J47)	34	68.5	33	83.5	1	10.8	28	96.3	25	98.8	3	-	20	88.1	20	90.0	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	6	12.1	6	15.2	-	-	6	20.6	5	19.8	1	-	6	26.4	6	27.0	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	12	24.2	10	25.3	2	21.7	2	6.9	2	7.9	-	-	6	26.4	6	27.0	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	2	4.0	-	-	1	10.8	-	-	-	-	-	-	-	-	-	-	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	6	12.1	5	12.7	1	10.8	5	17.2	4	15.8	1	-	12	52.9	12	54.0	-	-
Accidents (V01-X59, Y85-Y86)	22	44.3	22	55.7	-	-	20	68.8	19	75.1	1	-	17	74.9	17	76.5	-	-
Motor Vehicle Accidents	7	14.1	7	17.7	-	-	7	24.1	6	23.7	1	-	7	30.9	7	31.5	-	-
All Other Accidents and Adverse Effects	15	30.2	15	38.0	-	-	13	44.7	13	51.4	-	-	10	44.1	10	45.0	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	10	20.1	9	22.8	1	10.8	9	31.0	9	35.6	-	-	7	30.9	7	31.5	-	-
Assault (Homicide)(X85-Y09,Y87.1)	2	4.0	1	2.5	1	10.8	-	-	-	-	-	-	-	-	-	-	-	-
All Other Causes	131	263.9	109	275.9	20	216.7	50	172.0	48	189.6	2	-	49	216.0	48	215.9	-	-

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Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	HARDIN			HAWKINS			HAYWOOD		
	ALL RACES	WHITE	BLACK	ALL RACES	WHITE	BLACK	ALL RACES	WHITE	BLACK
	NO. RATE	NO. RATE	NO. RATE	NO. RATE	NO. RATE	NO. RATE	NO. RATE	NO. RATE	NO. RATE
Estimated Population, April 1, 2012	25,953	24,417	946	56,584	54,718	814	18,226	8,854	9,135
Live Births	255	224	9	577	562	10	223	103	116
Illegitimate Births	110	99	9	254	247	6	137	40	95
Low Birthweight (less than 2,500 grams)	15	15	-	53	52	1	31	10	19
Infant Deaths (under one year of age)	2	2	-	6	6	-	5	3	2
Neonatal Deaths (under 28 days of age)	1	1	-	3	3	-	4	2	2
Under 7 days of age	1	1	-	1	1	-	3	2	1
7-27 days of age	-	-	-	2	2	-	1	-	1
Other Terminations	22	20	2	24	23	-	32	7	23
Total Deaths	357	342	12	642	628	8	200	107	91
	4	4	-	7	7	-	2	-	2
	82	82	-	144	141	2	49	26	22
	7	7	-	26	26	-	6	4	2
	2	2	-	2	2	-	2	-	-
	19	17	2	19	17	2	2	-	2
	99	95	3	158	153	1	52	31	21
	18	15	3	24	24	-	8	4	4
	-	-	-	1	1	-	-	-	-
	12	11	1	15	15	-	5	2	3
	13	12	-	38	38	-	6	6	-
	4	4	-	7	7	-	3	1	1
	6	6	-	14	14	-	3	2	1
	1	1	-	3	3	-	3	1	2
	1	1	-	3	3	-	1	1	-
	5	4	1	18	18	-	4	3	1
	23	21	1	33	32	1	15	6	9
	6	6	-	7	7	-	7	2	5
	17	15	1	26	25	1	8	4	4
	7	7	-	11	11	-	-	-	-
	1	1	-	2	2	-	-	-	-
	53	52	1	117	114	2	41	20	21

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	HENDERSON				HENRY				HICKMAN							
	WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	25,198	2,177	32,351	28,951	2,638	24,175	22,481	1,185								
Live Births	301	11.9	22	10.1	324	10.0	275	9.5	25	9.5	270	11.2	259	11.5	5	4.2
Illegitimate Births	121	40.2	17	77.3	157	48.5	130	47.3	23	92.0	112	41.5	108	41.7	2	-
Low Birthweight (less than 2,500 grams)	22	7.3	6	27.3	25	7.7	20	7.3	4	16.0	28	10.4	26	10.0	2	-
Infant Deaths (under one year of age)	2	6.6	-	-	2	6.2	2	7.3	-	-	-	-	-	-	-	-
Neonatal Deaths (under 28 days of age)	1	3.1	1	3.3	-	-	-	-	-	-	-	-	-	-	-	-
Under 7 days of age	1	3.1	1	3.3	-	-	-	-	-	-	-	-	-	-	-	-
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	23	76.4	12	545.5	29	89.5	23	83.6	5	200.0	16	59.3	16	61.8	-	-
Total Deaths	306	12.1	14	6.4	464	14.3	426	14.7	32	12.1	264	10.9	260	11.6	3	2.5
Cause of Death																
Septicemia (A40-A41)	4	14.3	4	15.9	4	12.4	4	13.8	-	-	4	16.5	4	17.8	-	-
Malignant Neoplasms (C00-C97)	68	242.6	65	258.0	108	333.8	103	355.8	4	-	66	273.0	65	289.1	1	-
Diabetes Mellitus (E10-E14)	10	35.7	8	31.7	15	46.4	12	41.4	2	-	6	24.8	6	26.7	-	-
Parkinson's Disease (G20-G21)	-	-	-	-	2	6.2	2	6.9	-	-	1	4.1	1	4.4	-	-
Alzheimer's Disease (G30)	11	39.2	11	43.7	14	43.3	13	44.9	1	-	7	29.0	7	31.1	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	74	264.0	72	285.7	136	420.4	124	428.3	11	-	32	132.4	31	137.9	1	-
Cerebrovascular Diseases (I60-I69)	31	110.6	28	111.1	30	92.7	29	100.2	1	-	7	29.0	7	31.1	-	-
Atherosclerosis (I70)	1	3.6	1	4.0	6	18.5	5	17.3	1	-	7	29.0	5	22.2	1	-
Influenza and Pneumonia (J09-J18)	1	3.6	-	-	9	27.8	8	27.6	-	-	16	66.2	16	71.2	-	-
Chronic Lower Respiratory Diseases (J40-J47)	22	78.5	21	83.3	30	92.7	28	96.7	1	-	5	20.7	5	22.2	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	7	25.0	7	27.8	3	9.3	3	10.4	-	-	5	20.7	5	22.2	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	4	14.3	4	15.9	8	24.7	5	17.3	3	-	5	20.7	5	22.2	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	3.6	1	4.0	1	3.1	1	3.5	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	2	7.1	2	7.9	2	6.2	2	6.9	-	-	-	-	-	-	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	3	10.7	3	11.9	1	3.1	-	-	1	-	46	90.3	46	4.6	-	-
Accidents (V01-X59, Y85-Y86)	23	82.1	21	83.3	22	68.0	22	76.0	-	-	14	57.9	14	62.3	-	-
Motor Vehicle Accidents	11	39.2	10	39.7	6	18.5	6	20.7	-	-	7	29.0	7	31.1	-	-
All Other Accidents and Adverse Effects	12	42.8	11	43.7	16	49.5	16	55.3	-	-	7	29.0	7	31.1	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	3	10.7	3	11.9	7	21.6	6	20.7	-	-	5	20.7	5	22.2	-	-
Assault (Homicide)(X85-Y09,Y87.1)	-	-	-	-	3	9.3	2	6.9	1	-	1	4.1	1	4.4	-	-
All Other Causes	59	210.5	55	218.3	63	194.7	57	196.9	6	-	42	173.7	42	186.8	-	-

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TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	HOUSTON						HUMPHREYS						JACKSON					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	8,416		7,968		244		18,279		17,403		506		11,430		11,190		41	
Live Births	74	8.8	73	9.2	1	4.1	219	12.0	205	11.8	10	19.8	113	9.9	113	10.1	-	-
Illegitimate Births	29	39.2	29	39.7	-	-	111	50.7	101	49.3	9	90.0	51	45.1	51	45.1	-	-
Low Birthweight (less than 2,500 grams)	6	8.1	6	8.2	-	-	18	8.2	15	7.3	3	30.0	9	8.0	9	8.0	-	-
Infant Deaths (under one year of age)	-	-	-	-	-	-	1	4.6	1	4.9	-	-	-	-	-	-	-	-
Neonatal Deaths (under 28 days of age)	-	-	-	-	-	-	1	4.6	1	4.9	-	-	-	-	-	-	-	-
Under 7 days of age	-	-	-	-	-	-	1	4.6	1	4.9	-	-	-	-	-	-	-	-
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	10	135.1	10	137.0	-	-	13	59.4	12	58.5	1	100.0	7	61.9	7	61.9	-	-
Total Deaths	106	12.6	103	12.9	3	12.3	225	12.3	215	12.4	8	15.8	153	13.4	151	13.5	-	-
Septicemia (A40-A41)	-	-	-	-	-	-	1	5.5	1	5.7	-	-	2	17.5	2	17.9	-	-
Malignant Neoplasms (C00-C97)	23	273.3	22	276.1	1	-	50	273.5	47	270.1	1	-	38	332.5	37	330.7	-	-
Diabetes Mellitus (E10-E14)	2	23.8	2	25.1	-	-	8	43.8	8	46.0	-	-	6	52.5	6	53.6	-	-
Parkinson's Disease (G20-G21)	-	-	-	-	-	-	1	5.5	1	5.7	-	-	1	8.7	1	8.9	-	-
Alzheimer's Disease (G30)	6	71.3	6	75.3	-	-	4	21.9	4	23.0	-	-	5	43.7	5	44.7	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	30	356.5	29	364.0	1	-	45	246.2	43	247.1	2	-	36	315.0	36	321.7	-	-
Cerebrovascular Diseases (I60-I69)	7	83.2	7	87.9	-	-	11	60.2	11	63.2	-	-	3	26.2	3	26.8	-	-
Atherosclerosis (I70)	4	47.5	4	50.2	-	-	13	71.1	12	69.0	1	-	1	8.7	1	8.9	-	-
Chronic Lower Respiratory Diseases (J40-J47)	6	71.3	6	75.3	-	-	15	82.1	15	86.2	-	-	15	131.2	14	125.1	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	-	-	-	-	-	-	4	21.9	4	23.0	-	-	4	35.0	4	35.7	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	2	23.8	2	25.1	-	-	3	16.4	3	17.2	-	-	-	-	-	-	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	1	5.5	1	5.7	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	5	59.4	4	50.2	1	-	2	10.9	2	11.5	-	-	2	17.5	2	17.9	-	-
Accidents (V01-X59, Y85-Y86)	2	23.8	1	12.6	1	-	5	27.4	5	28.7	-	-	3	26.2	3	26.8	-	-
Motor Vehicle Accidents	3	35.6	3	37.7	-	-	12	65.6	12	69.0	-	-	8	70.0	8	71.5	-	-
All Other Accidents and Adverse Effects	2	23.8	2	25.1	-	-	5	27.4	5	28.7	-	-	3	26.2	3	26.8	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assault (Homicide)(X85-Y09,Y87.1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Other Causes	19	225.8	19	238.5	-	-	44	240.7	40	229.8	4	-	25	218.7	25	223.4	-	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	JEFFERSON						JOHNSON						KNOX					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	52,187		49,847		1,209		18,090		17,441		398		441,307		381,766		40,032	
Live Births	541	10.4	518	10.4	11	9.1	131	7.2	116	6.7	1	2.5	5285	12.0	4568	12.0	533	13.3
Illegitimate Births	241	44.5	229	44.2	9	81.8	73	55.7	70	60.3	-	-	1846	34.9	1430	31.3	391	73.4
Low Birthweight (less than 2,500 grams)	39	7.2	37	7.1	1	9.1	7	5.3	7	6.0	-	-	426	8.1	365	8.0	48	9.0
Infant Deaths (under one year of age)	4	7.4	4	7.7	-	-	1	7.6	1	8.6	-	-	29	5.5	26	5.7	1	1.9
Neonatal Deaths (under 28 days of age)	2	3.7	2	3.9	-	-	1	7.6	1	8.6	-	-	21	4.0	19	4.2	1	1.9
Under 7 days of age	2	3.7	2	3.9	-	-	1	7.6	1	8.6	-	-	16	3.0	15	3.3	1	1.9
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	5	0.9	4	0.9	-	-
Other Terminations	45	83.2	40	77.2	4	363.6	3	22.9	3	25.9	-	-	845	159.9	613	134.2	167	313.3
Total Deaths	580	11.1	563	11.3	14	11.6	209	11.6	208	11.9	-	-	4055	9.2	3678	9.6	319	8.0
Cause of Death																		
Septicemia (A40-A41)	8	15.3	7	14.0	1	-	1	5.5	1	5.7	-	-	50	11.3	45	11.8	5	12.5
Malignant Neoplasms (C00-C97)	133	254.9	130	260.8	2	-	54	298.5	53	303.9	-	-	852	193.1	752	197.0	85	212.3
Diabetes Mellitus (E10-E14)	16	30.7	15	30.1	-	-	5	27.6	5	28.7	-	-	115	26.1	94	24.6	18	45.0
Parkinson's Disease (G20-G21)	9	17.2	9	18.1	-	-	3	16.6	3	17.2	-	-	44	10.0	43	11.3	1	2.5
Alzheimer's Disease (G30)	24	46.0	24	48.1	-	-	6	33.2	6	34.4	-	-	139	31.5	131	34.3	7	17.5
Diseases of Heart (I00-I09, I11, I13, I20-I51)	120	229.9	117	234.7	2	-	38	210.1	38	217.9	-	-	910	206.2	823	215.6	74	184.9
Cerebrovascular Diseases (I60-I69)	22	42.2	21	42.1	1	-	4	22.1	4	22.9	-	-	168	38.1	154	40.3	7	17.5
Atherosclerosis (I70)	1	1.9	1	2.0	-	-	-	-	-	-	-	-	4	0.9	4	1.0	-	-
Influenza and Pneumonia (J09-I18)	6	11.5	6	12.0	-	-	8	44.2	8	45.9	-	-	113	25.6	109	28.6	4	10.0
Chronic Lower Respiratory Diseases (J40-J47)	31	59.4	31	62.2	-	-	14	77.4	14	80.3	-	-	247	56.0	232	60.8	15	37.5
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	9	17.2	9	18.1	-	-	-	-	-	-	-	-	65	14.7	59	15.5	5	12.5
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	13	24.9	13	26.1	-	-	1	5.5	1	5.7	-	-	58	13.1	48	12.6	10	25.0
Certain Conditions Originating in the Perinatal Period (P00-P96)	2	3.8	2	4.0	-	-	1	5.5	1	5.7	-	-	19	4.3	17	4.5	1	2.5
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	3	5.7	3	6.0	-	-	-	-	-	-	-	-	13	2.9	13	3.4	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	33	63.2	33	66.2	-	-	19	5.0	19	8.9	-	-	53	12.0	45	11.8	6	15.0
Accidents (V01-X59, Y85-Y86)	30	57.5	30	60.2	-	-	10	55.3	10	57.3	-	-	195	44.2	180	47.1	10	25.0
Motor Vehicle Accidents	10	19.2	10	20.1	-	-	5	27.6	5	28.7	-	-	47	10.7	39	10.2	5	12.5
All Other Accidents and Adverse Effects	20	38.3	20	40.1	-	-	5	27.6	5	28.7	-	-	148	33.5	141	36.9	5	12.5
Intentional Self-Harm (Suicide)(X60-X84, Y87.0)	9	17.2	9	18.1	-	-	3	16.6	3	17.2	-	-	77	17.4	69	18.1	2	5.0
Assault (Homicide)(X85-Y09, Y87.1)	4	7.7	3	6.0	1	-	2	11.1	2	11.5	-	-	20	4.5	10	2.6	9	22.5
All Other Causes	107	205.0	100	200.6	7	-	40	221.1	40	229.3	-	-	913	206.9	850	222.6	60	149.9

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TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	LAKE						LAUDERDALE						LAWRENCE					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	7,688		5,349		2,174		27,709		17,386	9,712		42,080		40,439	680			
Live Births	65	8.5	50	9.3	15	6.9	303	10.9	191	11.0	104	10.7	559	13.3	537	13.3	5	7.4
Illegitimate Births	34	52.3	23	46.0	11	73.3	179	59.1	82	42.9	92	88.5	190	34.0	183	34.1	5	-
Low Birthweight (less than 2,500 grams)	8	12.3	5	10.0	3	20.0	40	13.2	17	8.9	21	20.2	52	9.3	51	9.5	1	-
Infant Deaths (under one year of age)	1	15.4	1	20.0	-	-	5	16.5	2	10.5	3	28.8	4	7.2	4	7.4	-	-
Neonatal Deaths (under 28 days of age)	1	15.4	1	20.0	-	-	5	16.5	2	10.5	3	28.8	-	-	-	-	-	-
Under 7 days of age	-	-	-	-	-	-	3	9.9	-	-	3	28.8	-	-	-	-	-	-
7-27 days of age	1	15.4	1	20.0	-	-	2	6.6	2	10.5	-	-	-	-	-	-	-	-
Other Terminations	6	92.3	4	80.0	2	133.3	27	89.1	10	52.4	16	153.8	39	69.8	36	67.0	1	-
Total Deaths	82	10.7	75	14.0	7	3.2	273	9.9	203	11.7	68	7.0	517	12.3	509	12.6	5	7.4
Septicemia (A40-A41)	2	26.0	2	37.4	-	-	3	10.8	1	5.8	1	10.3	4	9.5	4	9.9	-	-
Malignant Neoplasms (C00-C97)	15	195.1	14	261.7	1	-	62	223.8	45	258.8	17	175.0	94	223.4	92	227.5	1	-
Diabetes Mellitus (E10-E14)	1	13.0	1	18.7	-	-	6	21.7	4	23.0	2	20.6	19	45.2	19	47.0	-	-
Parkinson's Disease (G20-G21)	1	13.0	1	18.7	-	-	4	14.4	4	23.0	-	-	4	9.5	4	9.9	-	-
Alzheimer's Disease (G30)	2	26.0	2	37.4	-	-	12	43.3	9	51.8	3	30.9	21	49.9	20	49.5	-	-
Diseases of Heart (I00-I09, I11, I13, I20-I51)	25	325.2	22	411.3	3	-	78	281.5	59	339.4	19	195.6	108	256.7	107	264.6	1	-
Cerebrovascular Diseases (I60-I69)	1	13.0	1	18.7	-	-	10	36.1	7	40.3	3	30.9	29	68.9	29	71.7	-	-
Atherosclerosis (I70)	-	-	-	-	-	-	-	-	-	-	-	-	6	14.3	6	14.8	-	-
Influenza and Pneumonia (J09-J18)	2	26.0	2	37.4	-	-	3	10.8	3	17.3	-	-	20	47.5	20	49.5	-	-
Chronic Lower Respiratory Diseases (J40-J47)	11	143.1	10	187.0	1	-	18	65.0	18	103.5	-	-	35	83.2	35	86.6	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	-	-	-	-	-	-	2	7.2	1	5.8	1	10.3	5	11.9	5	12.4	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	1	13.0	1	18.7	-	-	2	7.2	2	11.5	-	-	17	40.4	15	37.1	1	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	13.0	1	18.7	-	-	5	18.0	2	11.5	3	30.9	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	-	-	-	-	-	-	-	-	-	-	-	-	3	7.1	3	7.4	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	2	26.0	2	37.4	-	-	3	10.8	3	17.3	-	-	13	30.9	13	32.1	-	-
Accidents (V01-X59, Y85-Y86)	5	65.0	5	93.5	-	-	15	54.1	11	63.3	4	41.2	39	92.7	39	96.4	-	-
Motor Vehicle Accidents	1	13.0	1	18.7	-	-	10	36.1	7	40.3	3	30.9	15	35.6	15	37.1	-	-
All Other Accidents and Adverse Effects	4	52.0	4	74.8	-	-	5	18.0	4	23.0	1	10.3	24	57.0	24	59.3	-	-
Intentional Self-Harm (Suicide) (X60-X84, Y87.0)	-	-	-	-	-	-	3	10.8	3	17.3	-	-	7	16.6	7	17.3	-	-
Assault (Homicide) (X85-Y09, Y87.1)	-	-	-	-	-	-	3	10.8	-	-	2	20.6	1	2.4	1	2.5	-	-
All Other Causes	13	169.1	11	205.6	2	-	44	158.8	31	178.3	13	133.9	92	218.6	90	222.6	2	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	LEWIS						LINCOLN						LOUDON					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	11,898		11,398		242		33,504		30,168		2,352		49,799		47,884		720	
Live Births	147	12.4	143	12.5	2	8.3	375	11.2	250	8.3	28	11.9	543	10.9	527	11.0	5	6.9
Illegitimate Births	65	44.2	62	43.4	2	-	154	41.1	112	44.8	27	96.4	211	38.9	206	39.1	1	-
Low Birthweight (less than 2,500 grams)	16	10.9	16	11.2	-	-	37	9.9	20	8.0	9	32.1	57	10.5	55	10.4	-	-
Infant Deaths (under one year of age)	1	6.8	1	7.0	-	-	3	8.0	3	12.0	-	-	1	1.8	1	1.9	-	-
Neonatal Deaths (under 28 days of age)	1	6.8	1	7.0	-	-	-	-	-	-	-	-	1	1.8	1	1.9	-	-
Under 7 days of age	1	6.8	1	7.0	-	-	-	-	-	-	-	-	1	1.8	1	1.9	-	-
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	6	40.8	6	42.0	-	-	44	117.3	33	132.0	11	392.9	48	88.4	42	79.7	2	-
Total Deaths	122	10.3	118	10.4	4	16.5	418	12.5	392	13.0	26	11.1	635	12.8	627	13.1	6	8.3
Septicemia (A40-A41)	2	16.8	2	17.5	-	-	6	17.9	6	19.9	-	-	4	8.0	4	8.4	-	-
Malignant Neoplasms (C00-C97)	29	243.7	29	254.4	-	-	94	280.6	91	301.6	3	-	150	301.2	146	304.9	3	-
Diabetes Mellitus (E10-E14)	6	50.4	6	52.6	-	-	2	6.0	1	3.3	1	-	22	44.2	21	43.9	1	-
Parkinson's Disease (G20-G21)	-	-	-	-	-	-	5	14.9	5	16.6	-	-	5	10.0	5	10.4	-	-
Alzheimer's Disease (G30)	2	16.8	1	8.8	1	-	31	92.5	29	96.1	2	-	27	54.2	27	56.4	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	35	294.2	34	298.3	1	-	124	370.1	116	384.5	8	-	137	275.1	135	281.9	1	-
Cerebrovascular Diseases (I60-I69)	5	42.0	5	43.9	-	-	23	68.6	22	72.9	1	-	26	52.2	25	52.2	1	-
Atherosclerosis (I70)	-	-	-	-	-	-	1	3.0	1	3.3	-	-	20	40.2	20	41.8	-	-
Influenza and Pneumonia (J09-J18)	1	8.4	1	8.8	-	-	3	9.0	3	9.9	-	-	36	72.3	36	75.2	-	-
Chronic Lower Respiratory Diseases (J40-J47)	7	58.8	7	61.4	-	-	24	71.6	21	69.6	3	-	7	14.1	7	14.6	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	-	-	-	-	-	-	5	14.9	5	16.6	-	-	6	12.0	6	12.5	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	2	16.8	2	17.5	-	-	4	11.9	3	9.9	1	-	-	-	-	-	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	8.4	1	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	1	8.4	1	8.8	-	-	1	3.0	1	3.3	-	-	1	2.0	1	2.1	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	2	16.8	2	17.5	-	-	11	32.8	10	33.1	1	-	7	14.1	7	14.6	-	-
Accidents (V01-X59, Y85-Y86)	4	33.6	3	26.3	1	-	20	59.7	20	66.3	-	-	27	54.2	27	56.4	-	-
Motor Vehicle Accidents	1	8.4	1	8.8	1	-	8	23.9	8	26.5	-	-	6	12.0	6	12.5	-	-
All Other Accidents and Adverse Effects	3	25.2	3	26.3	-	-	12	35.8	12	39.8	-	-	21	42.2	21	43.9	-	-
Intentional Self-Harm (Suicide) (X60-X84, Y87.0)	3	25.2	3	26.3	-	-	5	14.9	5	16.6	-	-	8	16.1	8	16.7	-	-
Assault (Homicide) (X85-Y09, Y87.1)	-	-	-	-	-	-	3	9.0	1	3.3	2	-	-	-	-	-	-	-
All Other Causes	22	184.9	21	184.2	1	-	56	167.1	52	172.4	4	-	152	305.2	152	317.4	-	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	MCMINN						MCNAIRY						MACON					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	52,436		48,716		2,157		26,183		24,113		1,577		22,499		21,930		1,233	
Live Births	559	10.7	529	10.9	22	10.2	315	12.0	280	11.6	16	10.1	313	13.9	305	13.9	2	16.3
Illegitimate Births	229	41.0	208	39.3	19	86.4	137	43.5	117	41.8	13	81.3	121	38.7	119	39.0	-	-
Low Birthweight (less than 2,500 grams)	46	8.2	41	7.8	3	13.6	29	9.2	26	9.3	-	-	27	8.6	27	8.9	-	-
Infant Deaths (under one year of age)	3	5.4	2	3.8	-	-	-	-	-	-	-	-	3	9.6	3	9.8	-	-
Neonatal Deaths (under 28 days of age)	1	1.8	1	1.9	-	-	-	-	-	-	-	-	1	3.2	1	3.3	-	-
Under 7 days of age	1	1.8	1	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7-27 days of age	35	62.6	31	58.6	4	181.8	23	73.0	20	71.4	3	187.5	10	31.9	9	29.5	-	-
Other Terminations	615	11.7	588	12.1	23	10.7	314	12.0	293	12.2	20	12.7	261	11.6	260	11.9	-	-
Total Deaths	3	5.7	3	6.2	-	-	1	3.8	1	4.1	-	-	2	8.9	2	9.1	-	-
Septicemia (A40-A41)	126	240.3	121	248.4	5	-	75	286.4	70	290.3	4	-	53	235.6	53	241.7	-	-
Malignant Neoplasms (C00-C97)	13	24.8	12	24.6	-	-	16	61.1	13	53.9	3	-	5	22.2	5	22.8	-	-
Diabetes Mellitus (E10-E14)	11	21.0	11	22.6	-	-	1	3.8	1	4.1	-	-	-	-	-	-	-	-
Parkinson's Disease (G20-G21)	32	61.0	29	59.5	3	-	16	61.1	14	58.1	2	-	2	8.9	2	9.1	-	-
Alzheimer's Disease (G30)	150	286.1	147	301.7	2	-	86	328.5	82	340.1	4	-	61	271.1	61	278.2	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	37	70.6	36	73.9	-	-	9	34.4	8	33.2	1	-	10	44.4	10	45.6	-	-
Cerebrovascular Diseases (I60-I69)	10	19.1	10	20.5	-	-	8	30.6	6	24.9	-	-	8	35.6	8	36.5	-	-
Atherosclerosis (I70)	33	62.9	32	65.7	1	-	25	95.5	24	99.5	1	-	26	115.6	26	118.6	-	-
Influenza and Pneumonia (J09-J18)	41	78.2	40	82.1	1	-	2	7.6	2	8.3	-	-	2	8.9	2	9.1	-	-
Chronic Lower Respiratory Diseases (J40-J47)	9	17.2	9	18.5	-	-	5	19.1	4	16.6	1	-	5	22.2	4	18.2	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	10	19.1	9	18.5	1	-	-	-	-	-	-	-	1	4.4	1	4.6	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	1	1.9	1	2.1	-	-	-	-	-	-	-	-	1	4.4	1	4.6	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	1.9	-	-	-	-	2	7.6	2	8.3	-	-	1	4.4	1	4.6	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	6	11.4	6	12.3	-	-	4	15.3	3	12.4	1	-	7	31.1	7	31.9	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	25	47.7	22	45.2	3	-	17	64.9	17	70.5	-	-	19	84.4	19	86.6	-	-
Accidents (V01-X59, Y85-Y86)	9	17.2	7	14.4	2	-	10	38.2	10	41.5	-	-	6	26.7	6	27.4	-	-
Motor Vehicle Accidents	16	30.5	15	30.8	1	-	7	26.7	7	29.0	-	-	13	57.8	13	59.3	-	-
All Other Accidents and Adverse Effects	9	17.2	9	18.5	-	-	3	11.5	3	12.4	-	-	4	17.8	4	18.2	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	2	3.8	2	4.1	-	-	-	-	-	-	-	-	2	8.9	2	9.1	-	-
Assault (Homicide)(X85-Y09,Y87.1)	96	183.1	89	182.7	7	-	44	168.0	43	178.3	1	-	53	235.6	53	241.7	-	-
All Other Causes																		

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Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	MADISON						MARION						MARSHALL					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	1294	13.1	716	12.0	554	15.2	304	10.7	293	11.0	7	6.3	353	11.4	330	11.8	21	10.2
Live Births	702	54.3	240	33.5	456	82.3	146	48.0	138	47.1	6	-	164	46.5	144	43.6	18	85.7
Illegitimate Births	133	10.3	51	7.1	80	14.4	37	12.2	36	12.3	-	-	30	8.5	23	7.0	7	33.3
Low Birthweight (less than 2,500 grams)	12	9.3	3	4.2	9	16.2	2	6.6	2	6.8	-	-	4	11.3	3	9.1	1	47.6
Infant Deaths (under one year of age)	7	5.4	3	4.2	4	7.2	1	3.3	1	3.4	-	-	2	5.7	2	6.1	-	-
Neonatal Deaths (under 28 days of age)	5	3.9	2	2.8	3	5.4	-	-	-	-	-	-	2	5.7	2	6.1	-	-
Under 7 days of age	2	1.5	1	1.4	1	1.8	1	3.3	1	3.4	-	-	-	-	-	-	-	-
7-27 days of age	215	166.2	60	83.8	150	270.8	19	62.5	18	61.4	1	-	37	104.8	27	81.8	9	428.6
Other Terminations	919	9.3	620	10.4	293	8.0	328	11.6	312	11.7	14	12.6	275	8.9	257	9.2	18	8.7
Total Deaths																		
Cause of Death																		
Septicemia (A40-A41)	11	11.1	9	15.1	2	5.5	5	17.7	5	18.8	-	-	6	19.4	6	21.4	-	-
Malignant Neoplasms (C00-C97)	196	198.7	125	210.1	70	191.9	89	314.5	85	319.8	3	-	72	233.2	67	239.2	5	-
Diabetes Mellitus (E10-E14)	34	34.5	16	26.9	18	49.3	10	35.3	9	33.9	1	-	5	16.2	4	14.3	1	-
Parkinson's Disease (G20-G21)	6	6.1	6	10.1	-	-	1	3.5	1	3.8	-	-	1	3.2	1	3.6	-	-
Alzheimer's Disease (G30)	35	35.5	33	55.5	2	5.5	8	28.3	8	30.1	-	-	11	35.6	9	32.1	2	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	219	222.0	157	263.9	61	167.2	83	293.3	79	297.2	4	-	62	200.8	60	214.2	2	-
Cerebrovascular Diseases (I60-I69)	50	50.7	26	43.7	24	65.8	17	60.1	17	64.0	-	-	11	35.6	11	39.3	-	-
Atherosclerosis (I70)	-	-	-	-	-	-	1	3.5	1	3.8	-	-	-	-	-	-	-	-
Influenza and Pneumonia (J09-J18)	17	17.2	12	20.2	5	13.7	3	10.6	3	11.3	-	-	12	38.9	12	42.8	-	-
Chronic Lower Respiratory Diseases (J40-J47)	49	49.7	37	62.2	11	30.2	26	91.9	22	82.8	4	-	13	42.1	12	42.8	1	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	13	13.2	10	16.8	3	8.2	3	10.6	3	11.3	-	-	6	19.4	6	21.4	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	18	18.2	11	18.5	7	19.2	6	21.2	6	22.6	-	-	6	19.4	4	14.3	2	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	7	7.1	3	5.0	4	11.0	1	3.5	1	3.8	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	3	3.0	-	-	3	8.2	1	3.5	1	3.8	-	-	2	6.5	2	7.1	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	20	20.3	11	18.5	8	21.9	6	21.2	6	22.6	-	-	2	6.5	-	-	2	-
Accidents (V01-X59, Y85-Y86)	30	30.4	24	40.3	6	16.4	23	81.3	22	82.8	-	-	19	61.5	18	64.3	1	-
Motor Vehicle Accidents	10	10.1	9	15.1	1	2.7	10	35.3	10	37.6	-	-	5	16.2	5	17.9	-	-
All Other Accidents and Adverse Effects	20	20.3	15	25.2	5	13.7	13	45.9	12	45.1	-	-	14	45.3	13	46.4	1	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	15	15.2	14	23.5	1	2.7	3	10.6	3	11.3	-	-	8	25.9	8	28.6	-	-
Assault (Homicide)(X85-Y09,Y87.1)	12	12.2	1	1.7	10	27.4	-	-	-	-	-	-	2	6.5	2	7.1	-	-
All Other Causes	184	186.5	125	210.1	58	159.0	42	148.4	40	150.5	2	-	37	119.8	35	125.0	2	-

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TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	MONTGOMERY						MOORE						MORGAN					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	184,465		134,851		36,026		6,320		6,070		148		21,918		20,703		821	
Live Births	3620	19.6	2748	20.4	627	17.4	49	7.8	46	7.6	-	-	186	8.5	185	8.9	1	1.2
Illegitimate Births	990	27.3	622	22.6	331	52.8	16	32.7	16	34.8	-	-	68	36.6	67	36.2	1	-
Low Birthweight (less than 2,500 grams)	249	6.9	168	6.1	58	9.3	2	4.1	2	4.3	-	-	21	11.3	21	11.4	-	-
Infant Deaths (under one year of age)	19	5.2	11	4.0	7	11.2	-	-	-	-	-	-	1	5.4	1	5.4	-	-
Neonatal Deaths (under 28 days of age)	11	3.0	8	2.9	3	4.8	-	-	-	-	-	-	-	-	-	-	-	-
Under 7 days of age	8	2.2	5	1.8	3	4.8	-	-	-	-	-	-	-	-	-	-	-	-
7-27 days of age	3	0.8	3	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	505	139.5	270	98.3	180	287.1	1	20.4	1	21.7	-	-	17	91.4	14	75.7	1	-
Total Deaths	1107	6.0	905	6.7	171	4.7	64	10.1	62	10.2	1	6.8	207	9.4	206	10.0	-	-
Cause of Death																		
Septicemia (A40-A41)	18	9.8	15	11.1	2	5.6	1	15.8	1	16.5	-	-	5	22.8	5	24.2	-	-
Malignant Neoplasms (C00-C97)	251	136.1	206	152.8	37	102.7	10	158.2	10	164.7	-	-	43	196.2	43	207.7	-	-
Diabetes Mellitus (E10-E14)	36	19.5	26	19.3	10	27.8	2	31.6	2	32.9	-	-	3	13.7	3	14.5	-	-
Parkinson's Disease (G20-G21)	11	6.0	10	7.4	1	2.8	-	-	-	-	-	-	1	4.6	1	4.8	-	-
Alzheimer's Disease (G30)	27	14.6	24	17.8	3	8.3	5	79.1	5	82.4	-	-	11	50.2	10	48.3	-	-
Diseases of Heart (I00-I09, I11, I13, I20-I51)	234	126.9	195	144.6	33	91.6	18	284.8	18	296.5	-	-	39	177.9	39	188.4	-	-
Cerebrovascular Diseases (I60-I69)	54	29.3	44	32.6	7	19.4	4	63.3	3	49.4	1	-	9	41.1	9	43.5	-	-
Atherosclerosis (I70)	1	0.5	1	0.7	-	-	-	-	-	-	-	-	1	4.6	1	4.8	-	-
Influenza and Pneumonia (J09-J18)	19	10.3	18	13.3	1	2.8	2	31.6	2	32.9	-	-	5	22.8	5	24.2	-	-
Chronic Lower Respiratory Diseases (J40-J47)	89	48.2	81	60.1	6	16.7	2	31.6	2	32.9	-	-	17	77.6	17	82.1	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	14	7.6	12	8.9	2	5.6	-	-	-	-	-	-	5	22.8	5	24.2	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	11	6.0	9	6.7	2	5.6	1	15.8	1	16.5	-	-	3	13.7	3	14.5	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	8	4.3	5	3.7	3	8.3	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	5	2.7	5	3.7	-	-	-	-	-	-	-	-	2	9.1	2	9.7	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	13	7.0	7	5.2	6	16.7	2	31.6	2	32.9	-	-	1	4.6	1	4.8	-	-
Accidents (V01-X59, Y85-Y86)	63	34.2	55	40.8	5	13.9	3	47.5	3	49.4	-	-	14	63.9	14	67.6	-	-
Motor Vehicle Accidents	18	9.8	13	9.6	2	5.6	2	31.6	2	32.9	-	-	2	9.1	2	9.7	-	-
All Other Accidents and Adverse Effects	45	24.4	42	31.1	3	8.3	1	15.8	1	16.5	-	-	12	54.7	12	58.0	-	-
Intentional Self-Harm (Suicide)(X60-X84, Y87.0)	33	17.9	24	17.8	6	16.7	1	15.8	1	16.5	-	-	4	18.2	4	19.3	-	-
Assault (Homicide)(X85-Y09, Y87.1)	13	7.0	6	4.4	7	19.4	1	15.8	1	16.5	-	-	3	13.7	3	14.5	-	-
All Other Causes	207	112.2	162	120.1	40	111.0	12	189.9	11	181.2	-	-	41	187.1	41	198.0	-	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	OBION						OVERTON						PERRY					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	31,334		27,444		3,353		22,193		21,704		121		7,842		7,484		157	
Live Births	376	12.0	321	11.7	43	12.8	235	10.6	233	10.7	1	8.3	87	11.1	83	11.1	1	6.4
Illegitimate Births	175	46.5	137	42.7	33	76.7	76	32.3	75	32.2	-	-	21	24.1	20	24.1	1	-
Low Birthweight (less than 2,500 grams)	28	7.4	22	6.9	5	11.6	17	7.2	15	6.4	1	-	3	3.4	2	2.4	-	-
Infant Deaths (under one year of age)	4	10.6	2	6.2	2	46.5	2	8.5	2	8.6	-	-	-	-	-	-	-	-
Neonatal Deaths (under 28 days of age)	2	5.3	-	-	2	46.5	2	8.5	2	8.6	-	-	-	-	-	-	-	-
Under 7 days of age	2	5.3	-	-	2	46.5	2	8.5	2	8.6	-	-	-	-	-	-	-	-
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	31	82.4	24	74.8	7	162.8	10	42.6	10	42.9	-	-	5	57.5	5	60.2	-	-
Total Deaths	413	13.2	378	13.8	35	10.4	291	13.1	288	13.3	1	8.3	95	12.1	94	12.6	-	-
Septicemia (A40-A41)	5	16.0	5	18.2	-	-	3	13.5	3	13.8	-	-	16	204.0	15	200.4	-	-
Malignant Neoplasms (C00-C97)	92	293.6	82	298.8	10	-	65	292.9	65	299.5	-	-	4	51.0	4	53.4	-	-
Diabetes Mellitus (E10-E14)	15	47.9	10	36.4	5	-	8	36.0	8	36.9	-	-	-	-	-	-	-	-
Parkinson's Disease (G20-G21)	3	9.6	3	10.9	-	-	3	13.5	3	13.8	-	-	-	-	-	-	-	-
Alzheimer's Disease (G30)	23	73.4	22	80.2	1	-	18	81.1	17	78.3	1	-	1	12.8	1	13.4	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	113	360.6	110	400.8	3	-	71	319.9	71	327.1	-	-	32	408.1	32	427.6	-	-
Cerebrovascular Diseases (I60-I69)	12	38.3	12	43.7	-	-	11	49.6	10	46.1	-	-	3	38.3	3	40.1	-	-
Atherosclerosis (I70)	-	-	-	-	-	-	1	4.5	1	4.6	-	-	-	-	-	-	-	-
Influenza and Pneumonia (J09-J18)	9	28.7	9	32.8	-	-	7	31.5	7	32.3	-	-	2	25.5	2	26.7	-	-
Chronic Lower Respiratory Diseases (J40-J47)	28	89.4	25	91.1	3	-	23	103.6	23	106.0	-	-	6	76.5	6	80.2	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	3	9.6	3	10.9	-	-	2	9.0	2	9.2	-	-	2	25.5	2	26.7	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	8	25.5	8	29.2	-	-	2	9.0	2	9.2	-	-	1	12.8	1	13.4	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	2	6.4	-	-	2	-	2	9.0	2	9.2	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	1	3.2	1	3.6	-	-	1	4.5	1	4.6	-	-	-	-	-	-	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	8	25.5	7	25.5	1	-	2	9.0	2	9.2	-	-	2	25.5	2	26.7	-	-
Accidents (V01-X59, Y85-Y86)	20	63.8	18	65.6	2	-	15	67.6	15	69.1	-	-	8	102.0	8	106.9	-	-
Motor Vehicle Accidents	11	35.1	11	40.1	-	-	5	22.5	5	23.0	-	-	1	12.8	1	13.4	-	-
All Other Accidents and Adverse Effects	9	28.7	7	25.5	2	-	10	45.1	10	46.1	-	-	7	89.3	7	93.5	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	5	16.0	4	14.6	1	-	4	18.0	4	18.4	-	-	1	12.8	1	13.4	-	-
Assault (Homicide)(X85-Y09, Y87.1)	1	3.2	-	-	1	-	1	4.5	1	4.6	-	-	-	-	-	-	-	-
All Other Causes	65	207.4	59	215.0	6	-	52	234.3	51	235.0	-	-	17	216.8	17	227.2	-	-

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TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	PICKETT				POLK				PUTNAM									
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	5,067		5,034		0		16,669		16,258		85		73,231		68,986		1,634	
Live Births	35	6.9	35	7.0	-	-	135	8.1	134	8.2	-	-	880	12.0	842	12.2	17	10.4
Illegitimate Births	15	42.9	15	42.9	-	-	56	41.5	56	41.8	-	-	350	39.8	334	39.7	9	52.9
Low Birthweight (less than 2,500 grams)	5	14.3	5	14.3	-	-	7	5.2	7	5.2	-	-	58	6.6	57	6.8	-	-
Infant Deaths (under one year of age)	-	-	-	-	-	-	3	22.2	3	22.4	-	-	1	1.1	1	1.2	-	-
Neonatal Deaths (under 28 days of age)	-	-	-	-	-	-	2	14.8	2	14.9	-	-	1	1.1	1	1.2	-	-
Under 7 days of age	-	-	-	-	-	-	2	14.8	2	14.9	-	-	1	1.1	1	1.2	-	-
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	-	-	-	-	-	-	7	51.9	7	52.2	-	-	83	94.3	71	84.3	6	352.9
Total Deaths	74	14.6	73	14.5	-	-	230	13.8	229	14.1	-	-	745	10.2	731	10.6	12	7.3
Septicemia (A40-A41)	1	19.7	1	19.9	-	-	3	18.0	3	18.5	-	-	9	12.3	9	13.0	-	-
Malignant Neoplasms (C00-C97)	18	355.2	18	357.6	-	-	62	371.9	62	381.4	-	-	174	237.6	170	246.4	3	-
Diabetes Mellitus (E10-E14)	1	19.7	1	19.9	-	-	7	42.0	7	43.1	-	-	19	25.9	17	24.6	1	-
Parkinson's Disease (G20-G21)	-	-	-	-	-	-	1	6.0	1	6.2	-	-	1	1.4	1	1.4	-	-
Alzheimer's Disease (G30)	2	39.5	2	39.7	-	-	4	24.0	4	24.6	-	-	56	76.5	55	79.7	1	-
Diseases of Heart (I00-I09, I11, I13, I20-I51)	27	532.9	26	516.5	-	-	59	354.0	59	362.9	-	-	184	251.3	184	266.7	-	-
Cerebrovascular Diseases (I60-I69)	2	39.5	2	39.7	-	-	7	42.0	7	43.1	-	-	37	50.5	34	49.3	3	-
Atherosclerosis (I70)	-	-	-	-	-	-	-	-	-	-	-	-	15	20.5	14	20.3	1	-
Influenza and Pneumonia (J09-J18)	4	78.9	4	79.5	-	-	10	60.0	10	61.5	-	-	59	80.6	58	84.1	1	-
Chronic Lower Respiratory Diseases (J40-J47)	8	157.9	8	158.9	-	-	17	102.0	17	104.6	-	-	5	6.8	5	7.2	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	-	-	-	-	-	-	3	18.0	3	18.5	-	-	8	10.9	8	11.6	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	1	19.7	1	19.9	-	-	6	36.0	6	36.9	-	-	1	1.4	1	1.4	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	-	-	-	-	-	-	2	12.0	2	12.3	-	-	-	-	-	-	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	1	19.7	1	19.9	-	-	3	18.0	2	12.3	-	-	6	8.2	6	8.7	-	-
Accidents (V01-X59, Y85-Y86)	-	-	-	-	-	-	11	66.0	11	67.7	-	-	30	41.0	30	43.5	-	-
Motor Vehicle Accidents	1	19.7	1	19.9	-	-	5	30.0	5	30.8	-	-	10	13.7	10	14.5	-	-
All Other Accidents and Adverse Effects	1	19.7	1	19.9	-	-	6	36.0	6	36.9	-	-	20	27.3	20	29.0	-	-
Intentional Self-Harm (Suicide) (X60-X84, Y87.0)	1	19.7	1	19.9	-	-	2	12.0	2	12.3	-	-	7	9.6	7	10.1	-	-
Assault (Homicide) (X85-Y09, Y87.1)	-	-	-	-	-	-	4	24.0	4	24.6	-	-	3	4.1	3	4.3	-	-
All Other Causes	8	157.9	8	158.9	-	-	29	174.0	29	178.4	-	-	131	178.9	129	187.0	2	-

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TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	RHEA						ROANE						ROBERTSON					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	32,246		30,716		696		53,473		50,618		1,427		66,924		60,079		5,180	
Live Births	364	11.3	357	11.6	4	5.7	478	8.9	464	9.2	11	7.7	921	13.8	828	13.8	78	15.1
Illegitimate Births	151	41.5	149	41.7	1	-	220	46.0	211	45.5	9	81.8	406	44.1	329	39.7	69	88.5
Low Birthweight (less than 2,500 grams)	31	8.5	29	8.1	2	-	41	8.6	40	8.6	1	9.1	84	9.1	62	7.5	20	25.6
Infant Deaths (under one year of age)	5	13.7	4	11.2	-	-	5	10.5	5	10.8	-	-	6	6.5	5	6.0	1	12.8
Neonatal Deaths (under 28 days of age)	1	2.7	1	2.8	-	-	2	4.2	2	4.3	-	-	4	4.3	3	3.6	1	12.8
Under 7 days of age	1	2.7	1	2.8	-	-	2	4.2	2	4.3	-	-	4	4.3	3	3.6	1	12.8
7-27 days of age	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	22	60.4	22	61.6	-	-	43	90.0	40	86.2	1	90.9	74	80.3	58	70.0	12	153.8
Total Deaths	359	11.1	349	11.4	8	11.5	651	12.2	633	12.5	16	11.2	636	9.5	572	9.5	63	12.2
Septicemia (A40-A41)	3	9.3	3	9.8	-	-	7	13.1	6	11.9	1	-	6	9.0	6	10.0	-	-
Malignant Neoplasms (C00-C97)	70	217.1	69	224.6	1	-	137	256.2	135	266.7	2	-	129	192.8	117	194.7	12	231.7
Diabetes Mellitus (E10-E14)	16	49.6	16	52.1	-	-	15	28.1	13	25.7	2	-	21	31.4	15	25.0	6	115.8
Parkinson's Disease (G20-G21)	5	15.5	5	16.3	-	-	4	7.5	4	7.9	-	-	2	3.0	2	3.3	-	-
Alzheimer's Disease (G30)	11	34.1	10	32.6	-	-	22	41.1	22	43.5	-	-	13	19.4	12	20.0	1	19.3
Diseases of Heart (I00-I09, I11, I13, I20-I51)	88	272.9	88	286.5	-	-	158	295.5	154	304.2	3	-	178	266.0	159	264.7	19	366.8
Cerebrovascular Diseases (I60-I69)	23	71.3	22	71.6	1	-	33	61.7	30	59.3	3	-	26	38.9	25	41.6	1	19.3
Atherosclerosis (I70)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3.0	2	3.3
Influenza and Pneumonia (J09-I18)	8	24.8	8	26.0	-	-	11	20.6	11	21.7	-	-	22	32.9	21	35.0	1	19.3
Chronic Lower Respiratory Diseases (J40-J47)	24	74.4	23	74.9	1	-	39	72.9	39	77.0	-	-	30	44.8	28	46.6	2	38.6
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	3	9.3	3	9.8	-	-	13	24.3	13	25.7	-	-	12	17.9	11	18.3	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	8	24.8	8	26.0	-	-	11	20.6	11	21.7	-	-	9	13.4	9	15.0	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	3.1	1	3.3	-	-	1	1.9	1	2.0	-	-	3	4.5	2	3.3	1	19.3
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	3	9.3	2	6.5	-	-	1	1.9	1	2.0	-	-	1	1.5	1	1.7	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	3	9.3	2	6.5	-	-	4	7.5	4	7.9	-	-	5	7.5	4	6.7	1	19.3
Accidents (V01-X59, Y85-Y86)	22	68.2	22	71.6	1	-	42	78.5	39	77.0	2	-	47	70.2	43	71.6	4	77.2
Motor Vehicle Accidents	10	31.0	10	32.6	-	-	8	15.0	8	15.8	-	-	21	31.4	17	28.3	4	77.2
All Other Accidents and Adverse Effects	12	37.2	12	39.1	-	-	34	63.6	31	61.2	2	-	26	38.9	26	43.3	-	-
Intentional Self-Harm (Suicide)(X60-X84, Y87.0)	6	18.6	6	19.5	-	-	13	24.3	13	25.7	-	-	12	17.9	9	15.0	3	57.9
Assault (Homicide)(X85-Y09, Y87.1)	-	-	-	-	-	-	3	5.6	3	5.9	-	-	5	7.5	2	3.3	3	57.9
All Other Causes	65	201.6	61	198.6	4	-	137	256.2	134	264.7	3	-	113	168.8	104	173.1	9	173.7

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	RUTHERFORD						SCOTT						SEQUITACHE					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	274,458		222,222		35,893		22,160		21,796		40		14,425		14,055		68	
Live Births	3631	13.2	2951	13.3	503	14.0	275	12.4	273	12.5	-	-	115	8.0	114	8.1	-	-
Illegitimate Births	1308	36.0	945	32.0	314	62.4	126	45.8	125	45.8	-	-	52	45.2	52	45.6	-	-
Low Birthweight (less than 2,500 grams)	297	8.2	202	6.8	69	13.7	26	9.5	25	9.2	-	-	13	11.3	13	11.4	-	-
Infant Deaths (under one year of age)	15	4.1	13	4.4	2	4.0	-	-	-	-	-	-	1	8.7	1	8.8	-	-
Neonatal Deaths (under 28 days of age)	4	1.1	3	1.0	1	2.0	-	-	-	-	-	-	-	-	-	-	-	-
Under 7 days of age	3	0.8	2	0.7	1	2.0	-	-	-	-	-	-	-	-	-	-	-	-
7-27 days of age	1	0.3	1	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Terminations	582	160.3	342	115.9	186	369.8	14	50.9	14	51.3	-	-	8	69.6	8	70.2	-	-
Total Deaths	1665	6.1	1478	6.7	164	4.6	272	12.3	271	12.4	1	-	143	9.9	143	10.2	-	-
Septicemia (A40-A41)	12	4.4	10	4.5	2	5.6	3	13.5	3	13.8	-	-	42	291.2	42	298.8	-	-
Malignant Neoplasms (C00-C97)	380	138.5	331	149.0	40	111.4	63	284.3	63	289.0	-	-	6	41.6	6	42.7	-	-
Diabetes Mellitus (E10-E14)	45	16.4	39	17.6	5	13.9	16	72.2	16	73.4	-	-	1	6.9	1	7.1	-	-
Parkinson's Disease (G20-G21)	14	5.1	13	5.9	1	2.8	1	4.5	1	4.6	-	-	5	34.7	5	35.6	-	-
Alzheimer's Disease (G30)	78	28.4	74	33.3	4	11.1	5	22.6	5	22.9	-	-	25	173.3	25	177.9	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	354	129.0	298	134.1	51	142.1	53	239.2	53	243.2	-	-	7	48.5	7	49.8	-	-
Cerebrovascular Diseases (I60-I69)	83	30.2	67	30.2	13	36.2	9	40.6	9	41.3	-	-	3	20.8	3	21.3	-	-
Atherosclerosis (I70)	1	0.4	1	0.5	-	-	-	-	-	-	-	-	3	20.8	3	21.3	-	-
Influenza and Pneumonia (J09-J18)	44	16.0	39	17.6	5	13.9	12	54.2	12	55.1	-	-	9	62.4	9	64.0	-	-
Chronic Lower Respiratory Diseases (J40-J47)	103	37.5	98	44.1	4	11.1	24	108.3	23	105.5	1	-	3	20.8	3	21.3	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	33	12.0	32	14.4	1	2.8	3	13.5	3	13.8	-	-	2	13.9	2	14.2	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	20	7.3	17	7.7	2	5.6	7	31.6	7	32.1	-	-	-	-	-	-	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	0.4	1	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	6	2.2	5	2.3	1	2.8	-	-	-	-	-	-	-	-	-	-	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	20	7.3	17	7.7	3	8.4	4	18.1	4	18.4	-	-	4	27.7	4	28.5	-	-
Accidents (V01-X59, Y85-Y86)	80	29.1	75	33.8	4	11.1	12	54.2	12	55.1	-	-	5	34.7	5	35.6	-	-
Motor Vehicle Accidents	25	9.1	24	10.8	-	-	3	13.5	3	13.8	-	-	1	6.9	1	7.1	-	-
All Other Accidents and Adverse Effects	55	20.0	51	23.0	4	11.1	9	40.6	9	41.3	-	-	4	27.7	4	28.5	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	37	13.5	36	16.2	-	-	4	18.1	4	18.4	-	-	3	20.8	3	21.3	-	-
Assault (Homicide)(X85-Y09,Y87.1)	13	4.7	9	4.1	4	11.1	1	4.5	1	4.6	-	-	-	-	-	-	-	-
All Other Causes	341	124.2	316	142.2	24	66.9	55	248.2	55	252.3	-	-	28	194.1	28	199.2	-	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	SEVIER						SHELBY						SMITH									
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK					
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE				
Estimated Population, April 1, 2012	119	116.3	107	107.2	3	3.0	4609	331.6	753	151.6	3685	441.3	13	61.9	13	62.5	212	111.1	208	11.4	1	2.4
Live Births	447	43.7	436	43.7	4	6.0	13898	14.8	4968	12.3	8350	16.8	210	11.0	208	11.4	77	36.7	77	37.0	-	-
Illegitimate Births	93	9.1	92	9.2	-	-	8707	62.6	1595	32.1	6963	83.4	77	36.7	77	37.0	19	9.0	19	9.1	-	-
Low Birthweight (less than 2,500 grams)	6	5.9	6	6.0	-	-	1640	11.8	389	7.8	1209	14.5	19	9.0	19	9.1	1	4.8	1	4.8	-	-
Infant Deaths (under one year of age)	5	4.9	5	5.0	-	-	148	10.6	24	4.8	118	14.1	1	4.8	1	4.8	-	-	-	-	-	-
Neonatal Deaths (under 28 days of age)	5	4.9	5	5.0	-	-	99	7.1	15	3.0	81	9.7	-	-	-	-	-	-	-	-	-	-
Under 7 days of age	5	4.9	5	5.0	-	-	83	6.0	13	2.6	67	8.0	-	-	-	-	-	-	-	-	-	-
7-27 days of age	-	-	-	-	-	-	16	1.2	2	0.4	14	1.7	-	-	-	-	-	-	-	-	-	-
Other Terminations	119	116.3	107	107.2	3	3.0	4609	331.6	753	151.6	3685	441.3	13	61.9	13	62.5	212	111.1	208	11.4	1	2.4
Total Deaths	907	9.8	899	10.1	3	3.0	7594	8.1	3757	9.3	3758	7.6	212	11.1	208	11.4	77	36.7	77	37.0	-	-
	8	8.6	8	9.0	-	-	99	10.5	52	12.9	46	9.3	-	-	-	-	-	-	-	-	-	-
Septicemia (A40-A41)	197	213.0	195	219.2	2	-	1777	188.9	858	212.5	911	183.4	48	251.4	47	257.1	10	52.4	10	54.7	-	-
Malignant Neoplasms (C00-C97)	21	22.7	21	23.6	-	-	233	24.8	76	18.8	154	31.0	10	52.4	10	54.7	1	5.2	1	5.5	-	-
Diabetes Mellitus (E10-E14)	7	7.6	7	7.9	-	-	54	5.7	46	11.4	8	1.6	5	26.2	5	27.4	1	4.8	1	4.8	-	-
Parkinson's Disease (G20-G21)	31	33.5	31	34.9	-	-	302	32.1	191	47.3	109	21.9	5	26.2	5	27.4	41	224.3	41	224.3	-	-
Alzheimer's Disease (G30)	230	248.6	227	255.2	1	-	1695	180.2	873	216.2	805	162.1	43	225.2	41	224.3	12	62.8	12	65.6	-	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	46	49.7	46	51.7	-	-	413	43.9	184	45.6	223	44.9	12	62.8	12	65.6	11	57.6	11	60.2	-	-
Cerebrovascular Diseases (I60-I69)	1	1.1	1	1.1	-	-	9	1.0	6	1.5	3	0.6	-	-	-	-	-	-	-	-	-	-
Atherosclerosis (I70)	15	16.2	15	16.9	-	-	152	16.2	77	19.1	74	14.9	11	57.6	11	60.2	13	68.1	12	65.6	-	-
Influenza and Pneumonia (J09-J18)	51	55.1	51	57.3	-	-	314	33.4	200	49.5	111	22.3	2	10.5	2	10.9	-	-	-	-	-	-
Chronic Lower Respiratory Diseases (J40-J47)	15	16.2	15	16.9	-	-	87	9.2	51	12.6	35	7.0	-	-	-	-	-	-	-	-	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	20	21.6	20	22.5	-	-	141	15.0	48	11.9	90	18.1	-	-	-	-	-	-	-	-	-	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	3	3.2	3	3.4	-	-	74	7.9	9	2.2	62	12.5	-	-	-	-	-	-	-	-	-	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	3	3.2	3	3.4	-	-	37	3.9	11	2.7	24	4.8	-	-	-	-	-	-	-	-	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	18	19.5	17	19.1	-	-	147	15.6	63	15.6	83	16.7	3	15.7	3	16.4	11	57.6	11	60.2	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	49	53.0	49	55.1	-	-	370	39.3	224	55.5	143	28.8	2	10.5	2	10.9	9	47.1	9	49.2	-	-
Accidents (V01-X59, Y85-Y86)	16	17.3	16	18.0	-	-	81	8.6	28	6.9	51	10.3	9	47.1	9	49.2	8	41.9	8	43.8	-	-
Motor Vehicle Accidents	33	35.7	33	37.1	-	-	289	30.7	196	48.5	92	18.5	1	5.2	1	5.5	44	230.4	44	240.7	-	-
All Other Accidents and Adverse Effects	17	18.4	17	19.1	-	-	155	16.5	22	5.4	131	26.4	1	5.2	1	5.5	1	5.2	1	5.5	-	-
Intentional Self-Harm (Suicide) (X60-X84, Y87.0)	1	1.1	1	1.1	-	-	1451	154.2	715	177.1	715	144.0	3	15.7	3	16.4	2	10.5	2	10.9	-	-
Assault (Homicide) (X85-Y09, Y87.1)	174	188.1	172	193.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Other Causes	174	188.1	172	193.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	UNION						VAN BUREN						WARREN						
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	
Estimated Population, April 1, 2012	19,111		18,707		26		5,601		5,514		14		39,856		37,527		1,362		
Live Births	252	13.2	249	13.3	1		54	9.6	54	9.8	-		456	11.4	438	11.7	14	10.3	
Illegitimate Births	102	40.5	99	39.8	1		25	46.3	25	46.3	-		194	42.5	180	41.1	13	92.9	
Low Birthweight (less than 2,500 grams)	31	12.3	29	11.6	-		8	14.8	8	14.8	-		52	11.4	49	11.2	2	14.3	
Infant Deaths (under one year of age)	5	19.8	5	20.1	-		2	37.0	2	37.0	-		3	6.6	3	6.8	-	-	
Neonatal Deaths (under 28 days of age)	2	7.9	2	8.0	-		1	18.5	1	18.5	-		2	4.4	2	4.6	-	-	
Under 7 days of age	3	11.9	3	12.0	-		1	18.5	1	18.5	-		2	4.4	2	4.6	-	-	
7-27 days of age	5	19.8	5	20.1	-		-	-	-	-	-		34	74.6	30	68.5	-	-	
Other Terminations	210	11.0	209	11.2	1		67	12.0	65	11.8	1		435	10.9	429	11.4	6	4.4	
Total Deaths																			
Septicemia (A40-A41)	3	15.7	3	16.0	-		1	17.9	1	18.1	-		5	12.5	5	13.3	-	-	
Malignant Neoplasms (C00-C97)	56	293.0	55	294.0	1		10	178.5	10	181.4	-		88	220.8	87	231.8	1	-	
Diabetes Mellitus (E10-E14)	6	31.4	6	32.1	-		5	89.3	5	90.7	-		8	20.1	7	18.7	1	-	
Parkinson's Disease (G20-G21)	-	-	-	-	-		-	-	-	-	-		3	7.5	3	8.0	-	-	
Alzheimer's Disease (G30)	6	31.4	6	32.1	-		2	35.7	2	36.3	-		24	60.2	24	64.0	-	-	
Diseases of Heart (I00-I09,I11,I13,I20-I51)	41	214.5	41	219.2	-		20	357.1	19	344.6	-		94	235.8	92	245.2	2	-	
Cerebrovascular Diseases (I60-I69)	10	52.3	10	53.5	-		3	53.6	3	54.4	-		30	75.3	29	77.3	1	-	
Atherosclerosis (I70)	1	5.2	1	5.3	-		-	-	-	-	-		-	-	-	-	-	-	
Influenza and Pneumonia (J09-J18)	5	26.2	5	26.7	-		3	53.6	3	54.4	-		9	22.6	9	24.0	-	-	
Chronic Lower Respiratory Diseases (J40-J47)	15	78.5	15	80.2	-		3	53.6	3	54.4	-		33	82.8	33	87.9	-	-	
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	3	15.7	3	16.0	-		-	-	-	-	-		2	5.0	2	5.3	-	-	
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	4	20.9	4	21.4	-		2	35.7	2	36.3	-		5	12.5	5	13.3	-	-	
Certain Conditions Originating in the Perinatal Period (P00-P96)	2	10.5	2	10.7	-		-	-	-	-	-		2	5.0	2	5.3	-	-	
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	3	15.7	3	16.0	-		2	35.7	2	36.3	-		1	2.5	1	2.7	-	-	
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	4	20.9	4	21.4	-		3	53.6	3	54.4	-		9	22.6	9	24.0	-	-	
Accidents (V01-X59, Y85-Y86)	10	52.3	10	53.5	-		3	53.6	3	54.4	-		42	105.4	42	111.9	-	-	
Motor Vehicle Accidents	1	5.2	1	5.3	-		3	53.6	3	54.4	-		20	50.2	20	53.3	-	-	
All Other Accidents and Adverse Effects	9	47.1	9	48.1	-		-	-	-	-	-		22	55.2	22	58.6	-	-	
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	5	26.2	5	26.7	-		-	-	-	-	-		3	7.5	3	8.0	-	-	
Assault (Homicide)(X85-Y09,Y87.1)	2	10.5	2	10.7	-		-	-	-	-	-		2	5.0	2	5.3	-	-	
All Other Causes	34	177.9	34	181.8	-		10	178.5	9	163.2	1		75	188.2	74	197.2	1	-	

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated.

Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE VIII (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE STATE AND FOR THE COUNTIES, RESIDENT DATA, TENNESSEE, 2012

	WASHINGTON				WAYNE				WEAKLEY					
	WHITE		BLACK		WHITE		BLACK		WHITE		BLACK			
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE		
Estimated Population, April 1, 2012	115,817	11.1	5,169	11.8	17,017	10.4	15,711	10.6	34,791	10.1	30,984	10.1	2,798	9.3
Live Births	1287	11.1	61	11.8	177	10.4	167	10.6	349	10.0	314	10.1	26	9.3
Illegitimate Births	491	38.2	40	65.6	67	37.9	65	38.9	135	38.7	109	34.7	23	88.5
Low Birthweight (less than 2,500 grams)	109	8.5	3	4.9	11	6.2	10	6.0	38	10.9	30	9.6	6	23.1
Infant Deaths (under one year of age)	12	8.6	12	9.3	2	11.3	2	12.0	4	11.5	3	9.6	1	38.5
Neonatal Deaths (under 28 days of age)	10	7.2	10	7.8	-	-	-	-	4	11.5	3	9.6	1	38.5
Under 7 days of age	10	7.2	10	7.8	-	-	-	-	3	8.6	2	6.4	1	38.5
7-27 days of age	-	-	-	-	-	-	-	-	1	2.9	1	3.2	-	-
Other Terminations	56	43.5	9	147.5	8	45.2	8	47.9	40	114.6	31	98.7	8	307.7
Total Deaths	1295	11.2	38	7.4	184	10.8	179	11.4	380	10.9	359	11.6	21	7.5
	19	15.2	1	19.3	1	5.9	1	6.4	3	8.6	2	6.5	1	-
Septicemia (A40-A41)	279	223.0	11	212.8	38	223.3	35	222.8	85	244.3	82	264.7	3	-
Malignant Neoplasms (C00-C97)	17	13.6	1	19.3	9	52.9	9	57.3	12	34.5	12	38.7	-	-
Diabetes Mellitus (E10-E14)	14	11.2	14	12.1	-	-	-	-	-	-	-	-	-	-
Parkinson's Disease (G20-G21)	56	44.8	55	47.5	5	29.4	5	31.8	26	74.7	24	77.5	2	-
Alzheimer's Disease (G30)	352	281.4	341	294.4	57	335.0	57	362.8	98	281.7	95	306.6	3	-
Diseases of Heart (I00-I09,I11,I13,I20-I51)	61	48.8	60	51.8	9	52.9	9	57.3	15	43.1	14	45.2	1	-
Cerebrovascular Diseases (I60-I69)	1	0.8	1	0.9	-	-	-	-	2	5.7	2	6.5	-	-
Atherosclerosis (I70)	42	33.6	42	36.3	4	23.5	4	25.5	6	17.2	5	16.1	1	-
Influenza and Pneumonia (J09-J18)	75	60.0	72	62.2	14	82.3	14	89.1	22	63.2	21	67.8	1	-
Chronic Lower Respiratory Diseases (J40-J47)	26	20.8	25	21.6	4	23.5	4	25.5	3	8.6	3	9.7	-	-
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	25	20.0	22	19.0	4	23.5	4	25.5	4	11.5	3	9.7	1	-
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	9	7.2	9	7.8	-	-	-	-	4	11.5	3	9.7	1	-
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	0.8	1	0.9	-	-	-	-	3	8.6	3	9.7	-	-
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	12	9.6	12	10.4	1	5.9	1	6.4	3	8.6	3	9.7	-	-
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	60	48.0	54	46.6	10	58.8	10	63.6	25	71.9	22	71.0	3	-
Accidents (V01-X59, Y85-Y86)	14	11.2	13	11.2	1	5.9	1	6.4	7	20.1	7	22.6	-	-
Motor Vehicle Accidents	46	36.8	41	35.4	9	52.9	9	57.3	18	51.7	15	48.4	3	-
All Other Accidents and Adverse Effects	26	20.8	26	22.4	1	5.9	1	6.4	6	17.2	6	19.4	-	-
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	2	1.6	2	1.7	1	5.9	1	6.4	3	8.6	3	9.7	-	-
Assault (Homicide)(X85-Y09,Y87.1)	263	210.3	258	222.8	26	152.8	24	152.8	60	172.5	56	180.7	4	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE IX-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, DEATHS FROM SELECTED CAUSES (10TH REV. ICD), WITH RATES, BY RACE, FOR THE CITIES WITH 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	ATHENS						BARTLETT						BRENTWOOD					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	13,386		11,556		1,141		56,826		46,113		9,013		42,773		35,549		1,317	
Live Births	193	14.4	178	15.4	11	9.6	440	7.7	301	6.5	116	12.9	262	6.1	227	6.4	10	7.6
Illegitimate Births	83	43.0	73	41.0	10	90.9	157	35.7	73	24.3	81	69.8	23	8.8	18	7.9	4	40.0
Low Birthweight (less than 2,500 grams)	22	11.4	19	10.7	2	18.2	36	8.2	24	8.0	12	10.3	20	7.6	18	7.9	.	.
Infant Deaths (under one year of age)	1	5.2	1	5.6	.	.	4	9.1	4	13.3	.	.	1	3.8	1	4.4	.	.
Neonatal Deaths (under 28 days of age)	1	5.2	1	5.6	.	.	3	6.8	3	10.0	.	.	.	.	.	.	.	.
Under 7 days of age	1	5.2	1	5.6	.	.	3	6.8	3	10.0	.	.	.	.	.	.	.	.
7-27 days of age	17	88.1	15	84.3	2	181.8	130	295.5	48	159.5	78	672.4	45	171.8	31	136.6	7	700.0
Other Terminations	177	13.2	164	14.2	12	10.5	367	6.5	334	7.2	30	3.3	203	4.7	196	5.5	5	3.8
Total Deaths	2	14.9	2	17.3	.	.	4	7.0	4	8.7	.	.	1	2.3	1	2.8	.	.
Septicemia (A40-A41)	26	194.2	25	216.3	1	.	81	142.5	76	164.8	5	55.5	45	105.2	43	121.0	1	.
Malignant Neoplasms (C00-C97)	3	22.4	3	26.0	.	.	7	12.3	5	10.8	2	22.2	4	9.4	3	8.4	1	.
Diabetes Mellitus (E10-E14)	4	29.9	4	34.6	.	.	8	14.1	8	17.3	.	.	2	4.7	2	5.6	.	.
Parkinson's Disease (G20-G21)	15	112.1	12	103.8	3	.	20	35.2	20	43.4	.	.	14	32.7	13	36.6	1	.
Alzheimer's Disease (G30)	45	336.2	43	372.1	1	.	91	160.1	86	186.5	5	55.5	43	100.5	42	118.1	1	.
Diseases of Heart (I00-I09,I11,I13,I20-I51)	6	44.8	6	51.9	.	.	13	22.9	12	26.0	1	11.1	10	23.4	10	28.1	.	.
Cerebrovascular Diseases (I60-I69)	4	29.9	4	34.6	.	.	11	19.4	8	17.3	3	33.3	7	16.4	7	19.7	.	.
Atherosclerosis (I70)	6	44.8	5	43.3	1	.	22	38.7	21	45.5	1	11.1	7	16.4	7	19.7	.	.
Influenza and Pneumonia (J09-J18)	9	67.2	9	77.9	.	.	10	17.6	9	19.5	1	11.1	6	14.0	6	16.9	.	.
Chronic Lower Respiratory Diseases (J40-J47)	3	22.4	3	26.0	.	.	3	5.3	3	6.5	.	.	5	11.7	5	14.1	.	.
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	3	22.4	2	17.3	1	.	2	3.5	2	4.3	.	.	.	.	.	.	.	.
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	1	7.5	1	8.7	.	.	2	3.5	2	4.3	.	.	.	.	.	.	.	.
Certain Conditions Originating in the Perinatal Period (P00-P96)	.	.	.	.	.	.	2	3.5	2	4.3	.	.	.	.	.	.	.	.
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	1	7.5	1	8.7	.	.	4	7.0	3	6.5	1	11.1	3	7.0	3	8.4	.	.
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	5	37.4	4	34.6	1	.	20	35.2	17	36.9	1	11.1	18	42.1	18	50.6	.	.
Accidents (V01-X59, Y85-Y86)	2	14.9	1	8.7	1	.	3	5.3	2	4.3	.	.	2	4.7	2	5.6	.	.
Motor Vehicle Accidents	3	22.4	3	26.0	.	.	17	29.9	15	32.5	1	11.1	16	37.4	16	45.0	.	.
All Other Accidents and Adverse Effects	.	.	.	.	.	.	4	7.0	4	8.7	.	.	3	7.0	2	5.6	.	.
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	.	.	.	.	.	.	2	3.5	.	.	2	22.2	.	.	.	.	.	.
Assault (Homicide)(X85-Y09,Y87.1)	44	328.7	40	346.1	4	.	63	110.9	54	117.1	8	88.8	34	79.5	33	92.8	1	.
All Other Causes																		

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE IX (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE CITIES WITH 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 2012

	COLUMBIA						COOKEVILLE						CROSSVILLE						
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	
Estimated Population, April 1, 2012	34,728		26,008		7,250		30,604		27,829		1,159		10,894		10,344		41		
Live Births	538	15.5	432	16.6	99	13.7	467	15.3	437	15.7	15	12.9	225	20.7	219	21.2	2	2	
Illegitimate Births	285	53.0	203	47.0	82	82.8	199	42.6	187	42.8	7	46.7	119	52.9	115	52.5	2	2	
Low Birthweight (less than 2,500 grams)	40	7.4	30	6.9	10	10.1	34	7.3	34	7.8	.	.	20	8.9	20	9.1	.	.	
Infant Deaths (under one year of age)	6	11.2	4	9.3	2	20.2
Neonatal Deaths (under 28 days of age)	2	3.7	2	4.6
Under 7 days of age	2	3.7	2	4.6
7-27 days of age
Other Terminations	85	158.0	58	134.3	22	222.2	59	126.3	50	114.4	3	200.0	34	151.1	32	146.1	.	.	
Total Deaths	379	10.9	317	12.2	60	8.3	297	9.7	287	10.3	8	6.9	201	18.5	201	19.4	.	.	
Cause of Death																			
Septicemia (A40-A41)	4	11.5	3	11.5	1	13.8	1	3.3	1	3.6	.	.	4	36.7	4	38.7	.	.	
Malignant Neoplasms (C00-C97)	73	210.2	56	215.3	17	234.5	66	215.7	63	226.4	2	.	42	385.5	42	406.0	.	.	
Diabetes Mellitus (E10-E14)	12	34.6	8	30.8	3	41.4	8	26.1	7	25.2	.	.	11	101.0	11	106.3	.	.	
Parkinson's Disease (G20-G21)	4	11.5	4	15.4	1	13.8	1	3.3	1	3.6	.	.	2	18.4	2	19.3	.	.	
Alzheimer's Disease (G30)	23	66.2	22	84.6	1	13.8	28	91.5	27	97.0	1	.	10	91.8	10	96.7	.	.	
Diseases of Heart (I00-I09,I11,I13,I20-I51)	82	236.1	76	292.2	6	82.8	77	251.6	77	276.7	2	.	61	559.9	61	589.7	.	.	
Cerebrovascular Diseases (I60-I69)	20	57.6	14	53.8	6	82.8	13	42.5	11	39.5	2	.	12	110.2	12	116.0	.	.	
Atherosclerosis (I70)	4	11.5	4	15.4	4	55.2	9	29.4	8	28.7	1	.	3	27.5	3	29.0	.	.	
Influenza and Pneumonia (J09-J18)	10	28.8	6	23.1	4	55.2	25	81.7	24	86.2	1	.	7	64.3	7	67.7	.	.	
Chronic Lower Respiratory Diseases (J40-J47)	18	51.8	16	61.5	2	27.6
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	3	8.6	3	11.5	.	.	2	6.5	2	7.2	.	.	2	18.4	2	19.3	.	.	
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	4	11.5	4	15.4	.	.	2	6.5	2	7.2	.	.	4	36.7	4	38.7	.	.	
Certain Conditions Originating in the Perinatal Period (P00-P96)	2	5.8	2	7.7
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	2	5.8	1	3.8	1	13.8
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	9	25.9	7	26.9	2	27.6	2	6.5	2	7.2	.	.	2	18.4	2	19.3	.	.	
Accidents (V01-X59, Y85-Y86)	15	43.2	14	53.8	1	13.8	8	26.1	8	28.7	.	.	12	110.2	12	116.0	.	.	
Motor Vehicle Accidents	2	5.8	2	7.7	1	13.8	2	6.5	2	7.2	.	.	4	36.7	4	38.7	.	.	
All Other Accidents and Adverse Effects	13	37.4	12	46.1	1	13.8	6	19.6	6	21.6	.	.	8	73.4	8	77.3	.	.	
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	8	23.0	8	30.8	.	.	.	.	.	.	.	.	1	9.2	1	9.7	.	.
Assault (Homicide)(X85-Y09,Y87.1)	4	11.5	2	7.7	2	27.6	1	9.2	1	9.7	.	.	
All Other Causes	82	236.1	67	257.6	14	193.1	55	179.7	54	194.0	1	.	27	247.8	27	261	.	.	

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TABLE IX (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE CITIES WITH 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 2012

	GREENEVILLE						HENDERSONVILLE						JACKSON					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	14,965		13,558		907		53,049		47,705		3,502		65,306		32,789		30,503	
Live Births	192	12.8	179	13.2	8	8.8	583	11.0	522	10.9	43	12.3	1004	15.4	479	14.6	505	16.6
Illegitimate Births	96	50.0	87	48.6	8		195	33.4	166	31.8	23	53.5	596	59.4	172	35.9	419	83.0
Low Birthweight (less than 2,500 grams)	22	11.5	20	11.2	2		53	9.1	42	8.0	7	16.3	112	11.2	37	7.7	73	14.5
Infant Deaths (under one year of age)							3	5.1	3	5.7			11	11.0	3	6.3	8	15.8
Neonatal Deaths (under 28 days of age)							3	5.1	3	5.7			7	7.0	3	6.3	4	7.9
Under 7 days of age							2	3.4	2	3.8			5	5.0	2	4.2	3	5.9
7-27 days of age							1	1.7	1	1.9			2	2.0	1	2.1	1	2.0
Other Terminations	30	156.3	25	139.7	4		89	152.7	62	118.8	22	511.6	187	186.3	44	91.9	139	275.2
Total Deaths	265	17.7	254	18.7	10	11.0	385	7.3	368	7.7	14	4.0	661	10.1	411	12.5	246	8.1
	4	26.7	4	29.5			1	1.9	1	2.1			6	9.2	4	12.2	2	6.6
Septicemia (A40-A41)	46	307.4	45	331.9	1		88	165.9	82	171.9	4		147	225.1	84	256.2	62	203.3
Malignant Neoplasms (C00-C97)	4	26.7	4	29.5			5	9.4	4	8.4	1		25	38.3	11	33.5	14	45.9
Diabetes Mellitus (E10-E14)	1	6.7	1	7.4			7	13.2	7	14.7			3	4.6	3	9.1		
Parkinson's Disease (G20-G21)	3	20.0	3	22.1			14	26.4	14	29.3			17	26.0	15	45.7	2	6.6
Alzheimer's Disease (G30)	73	487.8	70	516.3	3		90	169.7	85	178.2	5		152	232.8	107	326.3	45	147.5
Diseases of Heart (I00-I09,I11,I13,I20-I51)	14	93.6	13	95.9	1		20	37.7	20	41.9			38	58.2	17	51.8	21	68.8
Cerebrovascular Diseases (I60-I69)																		
Atherosclerosis (I70)	14	93.6	13	95.9	1		9	17.0	9	18.9			11	16.8	7	21.3	4	13.1
Influenza and Pneumonia (J09-J18)	27	180.4	27	199.1			20	37.7	20	41.9			36	55.1	25	76.2	10	32.8
Chronic Lower Respiratory Diseases (J40-J47)	4	26.7	4	29.5			4	7.5	4	8.4			9	13.8	6	18.3	3	9.8
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	3	20.0	2	14.8			2	3.8	1	2.1			13	19.9	7	21.3	6	19.7
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)													6	9.2	3	9.1	3	9.8
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	6.7	1	7.4			2	3.8	2	4.2			3	4.6			3	9.8
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	9	60.1	7	51.6	2		15	28.3	14	29.3	1		15	23.0	8	24.4	7	22.9
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	7	46.8	7	51.6			28	52.8	27	56.6	1		17	26.0	11	33.5	6	19.7
Accidents (V01-X59, Y85-Y86)	2	13.4	2	14.8			8	15.1	8	16.8			4	6.1	3	9.1	1	3.3
Motor Vehicle Accidents	5	33.4	5	36.9			20	37.7	19	39.8	1		13	19.9	8	24.4	5	16.4
All Other Accidents and Adverse Effects	3	20.0	3	22.1			8	15.1	8	16.8			12	18.4	11	33.5	1	3.3
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)							1	1.9	1	2.1			11	16.8	1	3.0	9	29.5
Assault (Homicide)(X85-Y09,Y87.1)	52	347.5	50	368.8	2		70	132.0	68	142.5	2		140	214.4	91	277.5	48	157.4
All Other Causes																		

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TABLE IX (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE CITIES WITH 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	LEWISBURG				MCMINNVILLE				MANCHESTER							
	WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	11,017		1,560		13,299		12,128		694		10,090		9,370		292	
Live Births	167	15.2	20	12.8	218	16.4	202	16.7	12	17.3	180	17.8	171	18.2	5	17.1
Illegitimate Births	90	53.9	18	90.0	108	49.5	96	47.5	11	91.7	71	39.4	67	39.2	4	
Low Birthweight (less than 2,500 grams)	17	10.2	7	35.0	29	13.3	27	13.4	1	8.3	24	13.3	23	13.5		
Infant Deaths (under one year of age)	2	12.0	1	50.0	1	4.6	1	5.0			1	5.6	1	5.8		
Neonatal Deaths (under 28 days of age)					1	4.6	1	5.0			1	5.6	1	5.8		
Under 7 days of age					1	4.6	1	5.0			1	5.6	1	5.8		
7-27 days of age																
Other Terminations	25	149.7	9	450.0	25	114.7	22	108.9			21	116.7	19	111.1	1	
Total Deaths	115	10.4	13	8.3	181	13.6	176	14.5	5	7.2	144	14.3	140	14.9	3	10.3
Cause of Death																
Septicemia (A40-A41)	2	18.2			1	7.5	1	8.2			2	19.8	2	21.3		
Malignant Neoplasms (C00-C97)	28	254.2	5		32	240.6	31	255.6	1		25	247.8	23	245.5	2	
Diabetes Mellitus (E10-E14)	1	9.1	1		3	22.6	2	16.5	1		4	39.6	4	42.7		
Parkinson's Disease (G20-G21)													3	32.0		
Alzheimer's Disease (G30)	5	45.4	1		12	90.2	12	98.9			11	109.0	11	117.4		
Diseases of Heart (I00-I09, I11, I13, I20-I51)	27	245.1	1		39	293.3	37	305.1	2		31	307.2	29	309.5	1	
Cerebrovascular Diseases (I60-I69)	3	27.2			10	75.2	10	82.5			6	59.5	6	64.0		
Atherosclerosis (I70)																
Influenza and Pneumonia (J09-I18)	5	45.4			3	22.6	3	24.7			3	29.7	3	32.0		
Chronic Lower Respiratory Diseases (J40-J47)	7	63.5	1		17	127.8	17	140.2			9	89.2	9	96.1		
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	3	27.2			2	15.0	2	16.5			2	19.8	2	21.3		
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)													1	9.9		
Certain Conditions Originating in the Perinatal Period (P00-P96)	4	36.3	2		5	37.6	5	41.2			1	9.9	1	10.7		
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)																
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	1	9.1														
Accidents (V01-X59, Y85-Y86)	9	81.7	1		13	97.8	13	107.2			12	118.9	12	128.1		
Motor Vehicle Accidents	1	9.1	1		3	22.6	3	24.7			3	29.7	3	32.0		
All Other Accidents and Adverse Effects	8	72.6	7		10	75.2	10	82.5			9	89.2	9	96.1		
Intentional Self-Harm (Suicide) (X60-X84, Y87.0)	2	18.2	2		3	22.6	3	24.7			2	19.8	2	21.3		
Assault (Homicide) (X85-Y09, Y87.1)	2	18.2	2		2	15.0	2	16.5								
All Other Causes	15	136.2	14		36	270.7	35	288.6	1		29	287.4	29	309.5		

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TABLE IX (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE CITIES WITH 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 2012

	PARIS						PORTLAND						RED BANK					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	10,139	7,832	1,793	11,454	10,258	471	11,950	10,417	889									
Live Births	142	14.0	113	14.4	19	10.6	211	18.4	196	19.1	7	14.9	39	3.3	32	3.1	3	3.4
Illegitimate Births	71	50.0	52	46.0	17	89.5	87	41.2	80	40.8	5		18	46.2	13	40.6	3	
Low Birthweight (less than 2,500 grams)	7	4.9	5	4.4	2	10.5	19	9.0	16	8.2	3		1	2.6	1	3.1		
Infant Deaths (under one year of age)	2	14.1	2	17.7														
Neonatal Deaths (under 28 days of age)																		
Under 7 days of age																		
7-27 days of age																		
Other Terminations	23	162.0	19	168.1	4	210.5	21	99.5	19	96.9	1		4	102.6	4	125.0		
Total Deaths	191	18.8	161	20.6	26	14.5	123	10.7	121	11.8	2	4.2	50	4.2	48	4.6	1	1.1
	3	29.6	3	38.3			2	17.5	1	9.7	1							
Septicemia (A40-A41)	33	325.5	29	370.3	3		22	192.1	22	214.5			10	83.7	9	86.4		
Malignant Neoplasms (C00-C97)	8	78.9	6	76.6	2		1	8.7	1	9.7			1	8.4	1	9.6		
Diabetes Mellitus (E10-E14)	1	9.9	1	12.8														
Parkinson's Disease (G20-G21)	8	78.9	7	89.4	1								1	8.4	1	9.6		
Alzheimer's Disease (G30)	50	493.1	39	498.0	10		39	340.5	38	370.4	1		17	142.3	17	163.2		
Diseases of Heart (I00-I09,I11,I13,I20-I51)	16	157.8	15	191.5	1		5	43.7	5	48.7			3	25.1	3	28.8		
Cerebrovascular Diseases (I60-I69)	3	29.6	2	25.5	1		3	26.2	3	29.2			1	8.4	1	9.6		
Atherosclerosis (I70)	7	69.0	7	89.4			6	52.4	6	58.5			1	8.4	1	9.6		
Influenza and Pneumonia (J09-J18)	10	98.6	8	102.1	1													
Chronic Lower Respiratory Diseases (J40-J47)	1	9.9	1	12.8			3	26.2	3	29.2			2	16.7	2	19.2		
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	5	49.3	4	51.1	1		1	8.7	1	9.7			1	8.4	1	9.6		
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	1	9.9	1	12.8														
Certain Conditions Originating in the Perinatal Period (P00-P96)	1	9.9	1	12.8														
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	1	9.9	1	12.8														
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	1	9.9	1	12.8														
Accidents (V01-X59, Y85-Y86)	6	59.2	6	76.6	1		7	61.1	7	68.2			4	33.5	4	38.4		
Motor Vehicle Accidents	1	9.9	1	12.8			3	26.2	3	29.2			1	8.4	1	9.6		
All Other Accidents and Adverse Effects	5	49.3	5	63.8			4	34.9	4	39.0			3	25.1	3	28.8		
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	2	19.7	1	12.8			5	43.7	5	48.7			1	8.4	1	9.6		
Assault (Homicide)(X85-Y09,Y87.1)	1	9.9			1								1	8.4	1	9.6		
All Other Causes	34	335.3	30	383.0	4		22	192.1	22	214.5			7	58.6	6	57.6		1

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE IX (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD)
WITH RATES, BY RACE, FOR THE CITIES WITH 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 2012

Cause of Death	SODDY - DAISY						SPRINGFIELD						TULLAHOMA					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	13,270		12,959		90		16,154		11,230		4,089		18,661		16,652		1,344	
Live Births	130	9.8	127	9.8	1		372	23.0	295	26.3	67	16.4	245	13.1	225	13.5	15	11.2
Illegitimate Births	52	40.0	50	39.4			221	59.4	154	52.2	62	92.5	120	49.0	105	46.7	12	80.0
Low Birthweight (less than 2,500 grams)	8	6.2	8	6.3			46	12.4	25	8.5	19	28.4	22	9.0	20	8.9	2	13.3
Infant Deaths (under one year of age)	1	7.7	1	7.9			3	8.1	2	6.8	1	14.9	1	4.1	1	4.4		
Neonatal Deaths (under 28 days of age)	1	7.7	1	7.9			3	8.1	2	6.8	1	14.9						
Under 7 days of age							3	8.1	2	6.8	1	14.9						
7-27 days of age	1	7.7	1	7.9														
Other Terminations	7	53.8	7	55.1			33	88.7	20	67.8	9	134.3	29	118.4	26	115.6	3	200.0
Total Deaths	151	11.4	148	11.4	3		218	13.5	172	15.3	46	11.2	243	13.0	231	13.9	9	6.7
Cause of Death																		
Septicemia (A40-A41)	1	7.5	1	7.7			3	18.6	3	26.7			6	32.2	5	30.0	1	
Malignant Neoplasms (C00-C97)	30	226.1	29	223.8	1		37	229.0	27	240.4	10		48	257.2	46	276.2	1	
Diabetes Mellitus (E10-E14)	7	52.8	7	54.0			10	61.9	6	53.4	4		13	69.7	13	78.1		
Parkinson's Disease (G20-G21)	1	7.5	1	7.7									2	10.7	2	12.0		
Alzheimer's Disease (G30)	7	52.8	7	54.0			4	24.8	3	26.7	1		11	58.9	10	60.1		
Diseases of Heart (I00-I09, I11, I13, I20-I51)	46	346.6	45	347.2	1		63	390.0	52	463.0	11		50	267.9	48	288.3	2	
Cerebrovascular Diseases (I60-I69)	5	37.7	5	38.6			9	55.7	9	80.1			7	37.5	7	42.0		
Atherosclerosis (I70)	1	7.5	1	7.7			1	6.2	1	8.9			1	7.5	1	8.9		
Influenza and Pneumonia (J09-J18)	1	7.5	1	7.7			9	55.7	8	71.2	1		7	37.5	7	42.0		
Chronic Lower Respiratory Diseases (J40-J47)	8	60.3	8	61.7			6	37.1	4	35.6	2		20	107.2	19	114.1	1	
Chronic Liver Disease and Cirrhosis (K70, K73-K74)							5	31.0	5	44.5			4	21.4	4	24.0		
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07, N17-N19, N25-N27)	4	30.1	4	30.9			4	24.8	4	35.6			4	21.4	3	18.0	1	
Certain Conditions Originating in the Perinatal Period (P00-P96)							3	18.6	2	17.8	1							
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	1	7.5	1	7.7														
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	2	15.1	2	15.4			2	12.4	1	8.9	1		4	21.4	4	24.0		
Accidents (V01-Y89, Y85-Y86)	7	52.8	6	46.3	1		15	92.9	13	115.8	2		11	58.9	10	60.1	1	
Motor Vehicle Accidents	1	7.5	1	7.7			6	37.1	4	35.6	2		1	5.4			1	
All Other Accidents and Adverse Effects	6	45.2	5	38.6	1		9	55.7	9	80.1			10	53.6	10	60.1		
Intentional Self-Harm (Suicide)(X60-X84, Y87.0)	4	30.1	4	30.9			4	24.8	1	8.9	3		7	37.5	7	42.0		
Assault (Homicide)(X85-Y09, Y87.1)	1	7.5	1	7.7			4	24.8	1	8.9	3		2	10.7	2	12.0		
All Other Causes	25	188.4	25	192.9			39	241.4	32	285.0	7		47	251.9	44	264.2	2	

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin.
Totals of events may include items with race not stated.
Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE IX (CONTINUED)-BIRTHS, INFANT DEATHS, OTHER TERMINATIONS, AND DEATHS FROM SELECTED CAUSES (10TH REV. ICD) WITH RATES, BY RACE, FOR THE CITIES WITH 10,000 OR MORE POPULATION, RESIDENT DATA, TENNESSEE, 2012

	UNION CITY						WHITE HOUSE					
	ALL RACES		WHITE		BLACK		ALL RACES		WHITE		BLACK	
	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE	NO.	RATE
Estimated Population, April 1, 2012	10,626		7,781		2,573		10,243		9,901		152	
Live Births	155	14.6	115	14.8	34	13.2	144	14.1	139	14	2	13.2
Illegitimate Births	83	53.5	52	45.2	27	79.4	36	25	35	25.2	.	.
Low Birthweight (less than 2,500 grams)	9	5.8	5	4.3	3	8.8	10	6.9	10	7.2	.	.
Infant Deaths (under one year of age)	1	6.5	1	8.7	.	.	1	6.9	1	7.2	.	.
Neonatal Deaths (under 28 days of age)	.	.	.	.	.	.	1	6.9	1	7.2	.	.
Under 7 days of age	.	.	.	.	.	.	1	6.9	1	7.2	.	.
7-27 days of age	.	.	.	.	.	.	.	.	.	.	.	.
Other Terminations	19	122.6	13	113.0	6	176.5	15	104.2	15	107.9	.	.
Total Deaths	147	13.8	123	15.8	24	9.3	66	6.4	65	6.6	1	6.6
Cause of Death												
Septicemia (A40-A41)	1	9.4	1	12.9	.	.	.	.	.	.	.	.
Malignant Neoplasms (C00-C97)	35	329.4	27	347.0	8	.	17	166.0	17	171.7	.	.
Diabetes Mellitus (E10-E14)	8	75.3	5	64.3	3	.	3	29.3	3	30.3	.	.
Parkinson's Disease (G20-G21)	1	9.4	1	12.9	.	.	.	.	.	.	.	.
Alzheimer's Disease (G30)	9	84.7	8	102.8	1	.	.	.	.	.	.	.
Diseases of Heart (I00-I09,I11,I13,I20-I51)	32	301.1	29	372.7	3	.	14	136.7	13	131.3	1	.
Cerebrovascular Diseases (I60-I69)	4	37.6	4	51.4	.	.	6	58.6	6	60.6	.	.
Atherosclerosis (I70)	.	.	.	.	.	.	.	.	.	.	.	.
Influenza and Pneumonia (J09-J18)	3	28.2	3	38.6	.	.	1	9.8	1	10.1	.	.
Chronic Lower Respiratory Diseases (J40-J47)	13	122.3	10	128.5	3	.	2	19.5	2	20.2	.	.
Chronic Liver Disease and Cirrhosis (K70, K73-K74)	.	.	.	.	.	.	2	19.5	2	20.2	.	.
Nephritis, Nephrotic Syndrome, and Nephrosis (N00-N07,N17-N19,N25-N27)	4	37.6	4	51.4	.	.	.	.	.	.	.	.
Certain Conditions Originating in the Perinatal Period (P00-P96)	.	.	.	.	.	.	1	9.8	1	10.1	.	.
Congenital Malformations, Deformations, and Chromosomal Abnormalities (Q00-Q99)	.	.	.	.	.	.	1	9.8	1	10.1	.	.
Symptoms, Signs & Abnormal Clinical & Lab. Findings Not Elsewhere Classified (R00-R99)	1	9.4	1	12.9	.	.	2	19.5	2	20.2	.	.
Accidents (V01-X59, Y85-Y86)	4	37.6	3	38.6	1	.	3	29.3	3	30.3	.	.
Motor Vehicle Accidents	1	9.4	1	12.9	.	.	2	19.5	2	20.2	.	.
All Other Accidents and Adverse Effects	3	28.2	2	25.7	1	.	1	9.8	1	10.1	.	.
Intentional Self-Harm (Suicide)(X60-X84,Y87.0)	2	18.8	1	12.9	1	.	1	9.8	1	10.1	.	.
Assault (Homicide)(X85-Y09,Y87.1)	.	.	.	.	.	.	.	.	.	.	.	.
All Other Causes	30	282.3	26	334.1	4	.	13	126.9	13	131.3	.	.

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin. Totals of events may include items with race not stated. Source: Tennessee Department of Health, Division of Policy, Planning and Assessment.

TABLE X-SELECTED DATA ON MARRIAGES AND DIVORCES FOR THE STATE AND FOR THE COUNTIES, RECORDED DATA, TENNESSEE, 2012

County	Recorded Marriages		Recorded Divorces		County	Recorded Marriages		Recorded Divorces	
	Number	Rate	Number	Rate		Number	Rate	Number	Rate
Total	56,827	8.8	27,742	4.3	Lake	75	9.8	34	4.4
Anderson	542	7.2	331	4.4	Lauderdale	191	6.9	110	4.0
Bedford	368	8.1	228	5.0	Lawrence	332	7.9	233	5.5
Benton	163	10.0	65	4.0	Lewis	93	7.8	62	5.2
Bledsoe	90	7.0	61	4.8	Lincoln	300	9.0	154	4.6
Blount	1,031	8.3	573	4.6	Loudon	317	6.4	164	3.3
Bradley	766	7.6	487	4.8	McMinn	367	7.0	275	5.2
Campbell	309	7.6	113	2.8	McNairy	385	14.7	107	4.1
Cannon	98	7.1	26	1.9	Macon	165	7.3	105	4.7
Carroll	174	6.1	61	2.1	Madison	753	7.6	1,037	10.5
Carter	382	6.7	339	5.9	Marion	254	9.0	150	5.3
Cheatham	246	6.3	214	5.4	Marshall	226	7.3	157	5.1
Chester	146	8.5	51	3.0	Maury	535	6.5	383	4.7
Claiborne	202	6.4	103	3.2	Meigs	107	9.1	63	5.4
Clay	61	7.8	26	3.3	Monroe	388	8.6	192	4.3
Cocke	302	8.5	114	3.2	Montgomery	1,887	10.2	1,252	6.8
Coffee	391	7.3	285	5.4	Moore	62	9.8	38	6.0
Crockett	156	10.7	43	2.9	Morgan	125	5.7	65	3.0
Cumberland	445	7.8	334	5.9	Obion	234	7.5	153	4.9
Davidson	5,075	7.8	1,875	2.9	Overton	147	6.6	86	3.9
Decatur	82	7.0	34	2.9	Perry	60	7.7	31	4.0
DeKalb	172	9.1	73	3.9	Pickett	41	8.1	10	2.0
Dickson	410	8.1	248	4.9	Polk	192	11.5	83	5.0
Dyer	344	9.0	228	6.0	Putnam	489	6.7	350	4.8
Fayette	265	6.9	123	3.2	Rhea	223	6.9	193	6.0
Fentress	143	8.0	99	5.5	Roane	351	6.6	170	3.2
Franklin	311	7.6	166	4.1	Robertson	477	7.1	315	4.7
Gibson	352	7.1	164	3.3	Rutherford	1,721	6.3	1,248	4.5
Giles	240	8.3	129	4.4	Scott	175	7.9	101	4.6
Grainger	150	6.6	89	3.9	Sequatchie	126	8.7	65	4.5
Greene	461	6.7	323	4.7	Sevier	11,180	120.9	567	6.1
Grundy	130	9.5	64	4.7	Shelby	5,629	6.0	2,470	2.6
Hamblen	453	7.2	301	4.8	Smith	181	9.5	94	4.9
Hamilton	2,506	7.3	1,385	4.0	Stewart	102	7.7	67	5.0
Hancock	45	6.7	31	4.6	Sullivan	1,043	6.7	762	4.9
Hardeman	346	13.0	58	2.2	Sumner	1,083	6.5	835	5.0
Hardin	297	11.4	87	3.4	Tipton	373	6.0	662	10.7
Hawkins	321	5.7	244	4.3	Trousdale	65	8.3	30	3.9
Haywood	99	5.4	54	3.0	Unicoi	101	5.5	57	3.1
Henderson	237	8.5	225	8.0	Union	127	6.6	89	4.7
Henry	296	9.1	134	4.1	Van Buren	60	10.7	24	4.3
Hickman	180	7.4	95	3.9	Warren	327	8.2	225	5.6
Houston	63	7.5	44	5.2	Washington	851	6.8	603	4.8
Humphreys	135	7.4	78	4.3	Wayne	134	7.9	69	4.1
Jackson	97	8.5	37	3.2	Weakley	191	5.5	129	3.7
Jefferson	279	5.3	285	5.5	White	215	8.2	96	3.7
Johnson	148	8.2	84	4.6	Williamson	1,154	6.0	659	3.4
Knox	2,502	5.7	2,009	4.6	Wilson	859	7.2	698	5.9
					Other States++	343	-	-	-

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin.
 ++Includes those who received a license in Tennessee but were married in another state.
 Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

TABLE XI-BIRTHS AND DEATHS WITH RATES PER 1,000 POPULATION, INFANT DEATHS WITH RATES PER 1,000 LIVE BIRTHS FOR THE STATE AND FOR THE COUNTIES, RECORDED DATA, TENNESSEE, 2012

County	Births		Infant Deaths		Deaths		County	Births		Infant Deaths		Deaths	
	Number	Rate	Number	Rate	Number	Rate		Number	Rate	Number	Rate	Number	Rate
Total	85,600	13.3	686	8.0	65,271	10.1	Lake	-	-	-	-	57	7.4
Anderson	682	9.0	3	4.4	1,089	14.4	Lauderdale	1	0.0	-	-	172	6.2
Bedford	3	0.1	1	*	334	7.3	Lawrence	387	9.2	3	7.8	371	8.8
Benton	3	0.2	-	-	155	9.5	Lewis	31	2.6	-	-	64	5.4
Bledsoe	-	-	-	-	84	6.6	Lincoln	293	8.7	3	10.2	345	10.3
Blount	740	6.0	-	-	1,150	9.3	Loudon	8	0.2	-	-	430	8.6
Bradley	1,051	10.4	8	7.6	821	8.1	McMinn	426	8.1	2	4.7	613	11.7
Campbell	154	3.8	1	6.5	438	10.8	McNairy	170	6.5	-	-	229	8.7
Cannon	3	0.2	-	-	108	7.8	Macon	3	0.1	2	*	175	7.8
Carroll	393	13.8	1	2.5	302	10.6	Madison	3,463	35.1	20	5.8	1,832	18.6
Carter	343	6.0	2	5.8	479	8.4	Marion	2	0.1	1	*	253	8.9
Cheatham	5	0.1	3	*	228	5.8	Marshall	4	0.1	1	*	194	6.3
Chester	1	0.1	-	-	98	5.7	Maury	1,484	18.1	7	4.7	941	11.5
Claiborne	2	0.1	3	*	344	10.8	Meigs	1	0.1	-	-	87	7.4
Clay	-	-	-	-	99	12.6	Monroe	248	5.5	-	-	366	8.1
Cocke	208	5.8	-	-	373	10.5	Montgomery	4,383	23.8	14	3.2	1,005	5.4
Coffee	880	16.5	1	1.1	615	11.6	Moore	-	-	-	-	44	7.0
Crockett	2	0.1	-	-	99	6.8	Morgan	3	0.1	-	-	85	3.9
Cumberland	691	12.1	2	2.9	703	12.3	Obion	292	9.3	3	10.3	365	11.6
Davidson	15,388	23.7	171	11.1	8,059	12.4	Overton	329	14.8	-	-	242	10.9
Decatur	1	0.1	-	-	138	11.8	Perry	17	2.2	-	-	75	9.6
DeKalb	-	-	2	*	196	10.4	Pickett	-	-	-	-	40	7.9
Dickson	420	8.3	1	2.4	406	8.1	Polk	6	0.4	-	-	184	11.0
Dyer	484	12.7	4	8.3	340	8.9	Putnam	1,629	22.2	3	1.8	989	13.5
Fayette	8	0.2	-	-	176	4.6	Rhea	1	0.0	4	*	280	8.7
Fentress	-	-	3	*	168	9.4	Roane	8	0.1	1	*	510	9.5
Franklin	360	8.8	3	8.3	482	11.8	Robertson	617	9.2	1	1.6	516	7.7
Gibson	5	0.1	1	*	541	10.9	Rutherford	3,611	13.2	14	3.9	1,689	6.2
Giles	143	4.9	2	14.0	263	9.0	Scott	63	2.8	-	-	183	8.3
Grainger	1	0.0	-	-	142	6.3	Sequatchie	-	-	1	*	151	10.5
Greene	505	7.3	6	11.9	728	10.6	Sevier	954	10.3	2	2.1	692	7.5
Grundy	2	0.1	-	-	101	7.4	Shelby	16,429	17.5	210	12.8	9,228	9.8
Hamblen	1,142	18.2	2	1.8	713	11.4	Smith	39	2.0	1	25.6	164	8.6
Hamilton	6,834	19.8	61	8.9	4,535	13.1	Stewart	-	-	-	-	85	6.4
Hancock	-	-	-	-	51	7.6	Sullivan	2,854	18.2	14	4.9	3,097	19.8
Hardeman	6	0.2	1	*	162	6.1	Sumner	1,309	7.9	2	1.5	1,165	7.0
Hardin	326	12.6	-	-	295	11.4	Tipton	411	6.7	2	4.9	323	5.2
Hawkins	5	0.1	2	*	415	7.3	Trousdale	1	0.1	-	-	66	8.5
Haywood	3	0.2	-	-	117	6.4	Unicoi	1	0.1	-	-	195	10.7
Henderson	8	0.3	1	*	221	7.9	Union	2	0.1	1	*	115	6.0
Henry	342	10.6	1	2.9	426	13.2	Van Buren	-	-	-	-	33	5.9
Hickman	7	0.3	-	-	156	6.5	Warren	482	12.1	-	-	327	8.2
Houston	-	-	-	-	87	10.3	Washington	2,268	18.1	22	9.7	2,012	16.1
Humphreys	3	0.2	-	-	184	10.1	Wayne	52	3.1	1	19.2	146	8.6
Jackson	1	0.1	-	-	73	6.4	Weakley	368	10.6	1	2.7	292	8.4
Jefferson	5	0.1	3	*	496	9.5	White	7	0.3	1	*	302	11.6
Johnson	1	0.1	1	*	134	7.4	Williamson	1,488	7.7	1	0.7	809	4.2
Knox	9,433	21.4	55	5.8	5,683	12.9	Wilson	861	7.2	3	3.5	726	6.1

For definitions of certain terms and explanation of rates, see Appendix A of this Bulletin.
 *Rates based on births are not calculated when the number of births is less than 10.
 A dash (-) indicates there were no events.
 Source: Tennessee Department of Health, Division of Policy, Planning and Assessment

APPENDICES

APPENDIX A
DEFINITIONS OF TERMS, RATES, AND RATIOS

Age-Adjusted Death Rate - Number of deaths per 100,000 age-adjusted population. (Population adjusted to the age distribution of the estimated United States 2000 standard population.)

Birth Rate - Number of live births per 1,000 population.

Cause-Specific Death Rate - Number of deaths from a specific cause per 100,000 population with the exception of the following: abnormal conditions of the newborn which is per 1,000 live births; maternal death rate which is per 10,000 live births; and congenital malformations, deformations, and chromosomal abnormalities which is per 100,000 live births.

Crude Death Rate - Number of deaths per 1,000 population.

Divorce Rate - Number of divorces per 1,000 population.

Fertility Rate - Number of resident live births per 1,000 females 15-44 years of age.

Fetal Death (reportable) - A fetal death of 350 grams or more, or, in the absence of weight, of 20 completed weeks of gestation or more. (Note: Induced abortions are excluded from the fetal death count.)

Fetal Death Ratio - Number of fetal deaths per 1,000 live births.

Hispanic Origin - Hispanic origin refers to persons whose ancestry, national group, lineage, heritage, or country of birth originated from a Spanish speaking country or culture.

Induced Termination of Pregnancy (ITOP) - The intentional termination of pregnancy for a purpose other than to produce a live-born infant or to remove a dead fetus.

Induced Termination of Pregnancy Ratio - The number of induced terminations of pregnancy per 1,000 live births.

Infant Death - A death of a live-born infant under one year of age.

Infant Mortality Rate - Number of infant deaths per 1,000 live births.

Legal Intervention Death - Death inflicted by the police or other law-enforcing agents, including military on duty, in the course of arresting or attempting to arrest lawbreakers, suppressing disturbances, maintaining order, and other legal action. Legal execution is also included.

Live Birth - A birth in which the child shows evidence of life (includes heart action, breathing, or a coordinated movement of a voluntary muscle) after complete birth.

Low Birthweight - A live birth weighing less than 2,500 grams (5 pounds, 8 ounces).

Low Birthweight Rate - Number of live births weighing less than 2,500 grams per 100 live births.

Marriage Rate - Number of marriages per 1,000 population.

Maternal Death - A death due to complications of pregnancy, childbirth, and the puerperium (ICD-10 codes O00-O99).

Maternal Death Rate - Number of maternal deaths per 10,000 live births. Rates by race for 1970-1974 are by race of child per 10,000 live births (race of mother is not available). Rates by race since 1975 are by race of mother per 10,000 live births.

Neonatal Death - A death of a live-born infant under 28 days of age.

Neonatal Mortality Rate - Number of neonatal deaths per 1,000 live births.

Other Termination - Total number of fetal deaths and induced abortions.

Other Termination Ratio - Number of other terminations per 1,000 live births.

Postneonatal Death - A death of an infant 28 days or more but under one year of age.

Postneonatal Mortality Rate - Number of postneonatal deaths per 1,000 live births.

Pregnancies - The sum of live births, reportable fetal deaths, and reported induced abortions for women 10-49 years of age.

Pregnancy Rate - Number of pregnancies per 1,000 female population aged 10-49.

Prenatal Care - The amount of prenatal care obtained by the mother is determined by information on the certificate of live birth concerning the month that prenatal care began and the number of prenatal visits.

Race - The terms "white", "black", and "all other races" are used to denote the racial groups. Definitions used for classifying race are those specified by the National Center for Health Statistics which is consistent with the Office of Management and Budget standards.

Recorded Data - Data compiled according to geographic place where the event occurred without regard to residence. (Recorded data for Tennessee include events which took place within the state, irrespective of the residences of the persons to whom the events occurred. Beginning in 1989, recorded data for marriages includes those obtaining a Tennessee license with the ceremony performed out of state.)

Resident Data - Data compiled according to the usual place of residence of the person to whom the event occurred without regard to the geographic place where the event occurred. For births, infant deaths, and fetal deaths, the residence is of the mother. (Resident data for Tennessee include events which occurred to residents of the state irrespective of where the events took place.)

Unmarried - For live births and fetal deaths, mother married to father item on certificate or report checked "no".

Unmarried Birth Rate - Number of births to unmarried mothers per 100 live births.

Very Low Birthweight (VLBW) - A live birth weighing less than 1,500 grams (3 pounds, 4 ounces).

Notes:

Death rates for specific causes are not calculated for white or all other races populations of less than 5,000.

In cases where a cause of death is sex-specific, the associated mortality rate is calculated per 100,000 population of the sex at risk.

Percents greater than or equal to 0.0 but less than 0.05 are indicated by 0.0.

Rates based on births are not calculated when the number of births is less than 10.

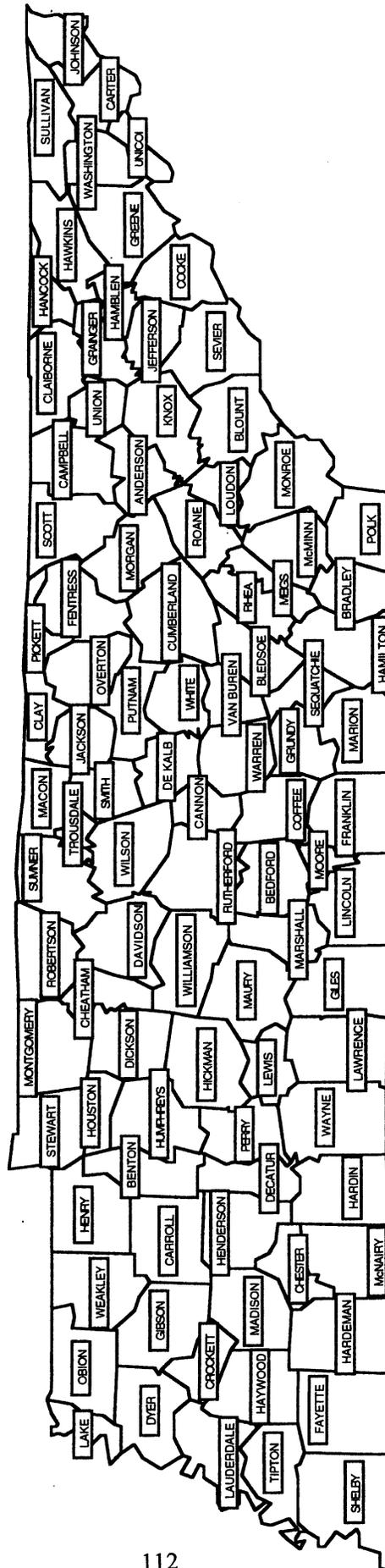
APPENDIX B
COMPARABLE CODE NUMBERS FOR THE NINTH AND TENTH REVISIONS
INTERNATIONAL CLASSIFICATION OF DISEASES

Category Title According To Tenth Revision	International Classification Code Number Tenth Revision	Ninth Revision	Comparability Ratio
Shigellosis and Amebiasis	A03, A06	004, 006	**
Tuberculosis	A16-A19	010-018	0.85
Respiratory Tuberculosis	A16	010-012	0.91
Whooping Cough	A37	033	**
Scarlet Fever and Erysipelas	A38, A46	034.1-035	**
Meningococcal Infection	A39	036	1.00
Septicemia	A40-A41	038	1.19
Syphilis	A50-A53	090-097	0.64
Arthropod-borne Viral Encephalitis	A83-A84, A85.2	062-064	**
Measles	B05	055	**
Viral Hepatitis	B15-B19	070	0.83
Human Immunodeficiency Virus (HIV) Disease	B20-B24	*042-*044	1.06
Malignant Neoplasms, All Sites	C00-C97	140-208	1.01
Colon, Rectum and Anus	C18-C21	153-154	1.00
Trachea, Bronchus and Lung	C33-C34	162	0.98
Breast	C50	174-175	1.01
Prostate	C61	185	1.01
Diabetes Mellitus	E10-E14	250	1.01
Parkinson's Disease	G20-G21	332	1.00
Alzheimer's Disease	G30	331.0	1.55
Diseases of Heart	I00-I09, I11, I13, I20-I51	390-398, 402, 404, 410-429	0.99
Ischemic Heart Disease	I20-I25	410-414, 429.2	0.99
Cerebrovascular Disease	I60-I69	430-434, 436-438	1.06
Atherosclerosis	I70	440	0.96
Influenza	J10-J11	487	1.01
Pneumonia	J12-J18	480-486	0.70
Chronic Lower Respiratory Diseases	J40-J47	490-494, 496	1.05
Hernia	K40-K46	550-553	1.04
Chronic Liver Disease and Cirrhosis	K70, K73-K74	571	1.04
Cholelithiasis and Other Disorders of Gallbladder	K80-K82	574-575	0.96
Nephritis, Nephrotic Syndrome, and Nephrosis	N00-N07, N17-N19, N25-N27	580-589	1.23
Pregnancy, Childbirth, and the Puerperium	A34, O00-O95, O98-O99	630-676	**
Certain Conditions Originating in the Perinatal Period	P00-P96	760-771.2, 771.4-779	1.07
Congenital Malformations, Deformations and Chromosomal Abnormalities	Q00-Q99	740-759	0.85
Accidents	V01-X59, Y85-Y86	E800-E869, E880-E929	1.03
Motor Vehicle Accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2	E810-E825	0.85
Intentional Self-Harm (Suicide)	X60-X84, Y87.0	E950-E959	1.00
Assault (Homicide)	X85-Y09, Y87.1	E960-E969	1.00
Legal Intervention	Y35, Y89.0	E970-E978	**
Events of Undetermined Intent	Y10-Y34, Y87.2, Y89.9	E980-E989	**

Beginning with data for 1987, NCHS introduced categories *042-*044 for classifying and coding Human Immunodeficiency Virus (HIV) infection. The asterisks before the category numbers indicate that these codes are not part of the Ninth Revision International Classification of Diseases.

**Figure does not meet standards of reliability or precision

APPENDIX C
MAP OF TENNESSEE SHOWING THE 95 COUNTIES



APPENDIX D
COUNTY LOCATION OF CITIES WITH POPULATION OF 10,000 OR MORE*
TENNESSEE

City	County	City	County
Athens	McMinn	Knoxville	Knox
Bartlett	Shelby	LaVergne	Rutherford
Brentwood	Williamson	Lawrenceburg	Lawrence
Bristol	Sullivan	Lebanon	Wilson
Brownsville	Haywood	Lewisburg	Marshall
Chattanooga	Hamilton	McMinnville	Warren
Clarksville	Montgomery	Martin	Weakley
Cleveland	Bradley	Maryville	Blount
Collierville	Shelby	Memphis	Shelby
Columbia	Maury	Millington	Shelby
Cookeville	Putnam	Morristown	Hamblen
Crossville	Cumberland	Mount Juliet	Wilson
Dickson	Dickson	Murfreesboro	Rutherford
Dyersburg	Dyer	Nashville	Davidson
East Ridge	Hamilton	Oak Ridge	Anderson
Elizabethton	Carter		Roane
Farragut	Knox	Paris	Henry
	Loudon	Portland	Sumner
Franklin	Williamson	Red Bank	Hamilton
Gallatin	Sumner	Sevierville	Sevier
Germantown	Shelby	Shelbyville	Bedford
Goodlettsville	Davidson	Smyrna	Rutherford
	Sumner	Soddy-Daisy	Hamilton
Greeneville	Greene	Springfield	Robertson
Hendersonville	Sumner	Tullahoma	Coffee
Jackson	Madison		Franklin
Johnson City	Carter	Union City	Obion
	Sullivan	White House	Robertson
	Washington		Sumner
Kingsport	Hawkins		
	Sullivan		

*Cities with population of 10,000 or more according to the 2010 Census.

APPENDIX E HOW TO BE A VITAL STATISTICIAN *

This book presents vital statistics and highlights a number of important demographic and public health changes. The possible uses of vital statistics are endless. Data users are as diverse as a public health official evaluating a program and using death data, a demographer projecting school enrollments with birth data, and a business person deciding to open a formal wear shop based on marriage data. Many of these users have a thorough knowledge of statistics. Others find the subject confusing and intimidating. For either group, a misunderstanding of what vital statistics mean or an incorrectly used comparison can lead to wrong conclusions. Therefore, this section is included to provide an overview of how to use vital statistics. It is addressed to the person looking at vital events for the first time, but the experienced user may also find a review helpful.

STEP 1: FINDING THE CORRECT NUMBER

The first step is to determine how many of a particular vital event took place during the year. This involves asking two questions:

Which event or events are appropriate?

DEATHS
INFANT DEATHS
NEONATAL DEATHS
POSTNEONATAL DEATHS
FETAL DEATHS
LOW BIRTHWEIGHT
INFANTS
PREGNANCIES
INDUCED ABORTIONS
MARRIAGES
DIVORCES

This may not be as simple as it sounds. For one thing, examining more than one type of event may be required. For example, a researcher who is concerned with teenage pregnancies will have to consider abortions and fetal deaths, not simply the number of births.

Deciding which events to use is important since sometimes the choice of one event over another can lead to vastly different conclusions. Consider the researcher who asks, "Have we reduced the likelihood of death for babies?" Selecting neonatal deaths (babies who die before they are 28 days old) for 1992 and 1993 suggests the answer is yes. But selecting post-neonatal deaths (those between 28 days and one year) for the same time period suggests no.

What is the correct population?

Vital events do not usually occur in individuals' homes, which leads to an interesting problem in geography. Vital events are usually reported two ways:

RECORDED

means that the event (death, birth, marriage) actually took place in the geographic region indicated (either Tennessee or a particular county). The person participating in the event may have lived in another state.

RESIDENT

means that the person involved in the event lived in the geographic region mentioned, but the event itself may have taken place anywhere in the United States or Canada. In other words, a resident of Davidson county who died in an accident while on vacation in Michigan is included in the Davidson county resident death figure.

* This section is adapted with permission of the Oregon Center for Health Statistics from their *Oregon Vital Statistics, 1983* publication. Examples have been changed to Tennessee examples.

Choosing the appropriate population is important. Recorded birth data is more relevant to a hospital planner who is deciding whether to expand or contract delivery services. Resident birth data should be the choice for projecting school enrollment. When in doubt about which population to use, resident figures are usually the better choice. Most birth and death data are published by residence, which means that comparisons with other states or the United States as a whole are easier. In this book, table headings indicate the population included in the tables.

Once the right event and the right population have been determined, the statistician can find the correct figures in the table(s) in this book. If the needed table is not listed, contact the Office of Health Statistics and Research at (615) 741-1954 for more information.

STEP 2: MAKING THE NUMBER MEANINGFUL WITH RATES AND RATIOS

In many instances simply knowing the number of events which occurred is not sufficient. A. Bradford Hill expressed this important statistical concept:

"It is well recognized that white sheep eat more than black sheep--because there are more of them."

In other words, it is the probability of the event which is important. We know more people died in Shelby county than in Lake county, but is the likelihood of dying really different?

In order to answer this question, statisticians calculate rates. This means that the number of events which occurred are compared to the population for which that event could have occurred, and the figure is then standardized to some number (such as 1,000 or 100,000) for convenience.

Here is an example:

$$\text{CRUDE DEATH RATE} = \frac{\text{DEATHS}}{\text{POPULATION}} \times 1,000$$

the number of people who could have died
a number picked by vital statisticians to eliminate small fractional values

The more specifically a statistician can define the "population at risk" (the bottom part of the rate), the more meaningful the rate is. For example, the crude birth rate, which compares the number of births to the population, is not nearly as informative as the fertility rate. This second rate uses only the number of women of childbearing age (15-44) for comparative purposes and is therefore less distorted by quirks in the population distribution. (The turn of the 20th century notion that only married women between the age of 15 and 44 would be considered at risk of pregnancy has been abandoned for obvious reasons.) The importance of being specific about the population at risk is explained in Step 3.

Unfortunately we do not always have the correct number for the bottom part of the equation. In these situations a substitute is used. For example, how many people are at risk of getting divorced? The number of married people is only available for census years. As a substitute, the crude divorce rate is calculated using the total population regardless of marital status. In other situations, the event is simply compared to another related number to create a ratio. For instance, the abortions to the number of births. This is easier and more accurate than trying to determine the true denominator, which is the total number of pregnant women.

When calculating rates and ratios, great care must be taken to make certain that the same time periods, the same geographical boundaries, and the same population are used in the top and bottom parts of the equation.

STEP 3: COMPARING PLACES, TIME PERIODS, AND CATEGORIES

In many situations, the vital statistician's goal is to compare two or more numbers for different geographical areas, different time periods, or different categories such as men versus women. But comparing rates and ratios introduces some new problems which must not be overlooked.

Changes in measurement

The first problem is that the measures being compared are not always the same. Definitions, population estimates, certificates, and coding procedures change from time to time as the need arises. This can create "artificial" differences and can disguise "real" differences. The cause-of-death item provides an excellent example of changes in comparability:

In 1998, 2,237 people died from pneumonia and influenza according to ICD-9.

RATE = 41.2 PER 100,000 POPULATION

In 1999, 1,583 people died from influenza and pneumonia according to ICD-10.

RATE = 28.9 PER 100,000 POPULATION

A new scheme for coding causes of death was introduced in 1999. (See the explanation in the death section of the narrative in this publication.) This coding change is responsible for fewer deaths being coded to influenza and pneumonia than would otherwise be coded to pneumonia and influenza (Note: related definitional name change) under the 1998 volume.

All cause of death groupings in this publication are comparable. However, caution should be used when comparing data in this report with data from reports for earlier years.

Taking age and sex into account

Mr. G. C. Wipple noted in 1923 that, "We might find that the death rate of bank presidents was higher than that of newsboys; but this would not be because of different occupations, but because of different ages." We expect older people to die at a higher rate than younger people. We also expect people in their twenties to have more babies than the very young or the very old. Sex and race, as well as age, affect rates drastically.

When comparing two places or two points in time, it is necessary to take these influencing characteristics into account. Here is an example:

The death rate increased between 1950 and 1960 from 8.9 to 9.2 deaths per thousand. But an examination of the death rates for each age group indicates that all decreased. This contradiction is explained by the fact that in 1960 a larger proportion of the population was concentrated in the older age groups where death rates are higher.

	<u>1950</u>	<u>1960</u>
CRUDE DEATH RATE	8.9	9.2
AGE SPECIFIC DEATH RATES		
0 - 4	9.0	7.1
5 - 14	0.6	0.5
15 - 24	1.5	1.2
25 - 44	3.1	2.5
45 - 64	12.6	11.6
65+	62.0	60.3

Before comparing two places or two time periods, always compare the population characteristics first. If discrepancies are noted in any relevant variables, then the rates should be adjusted or standardized in order to make the comparisons free of differences in the structure of the populations.

Small numbers

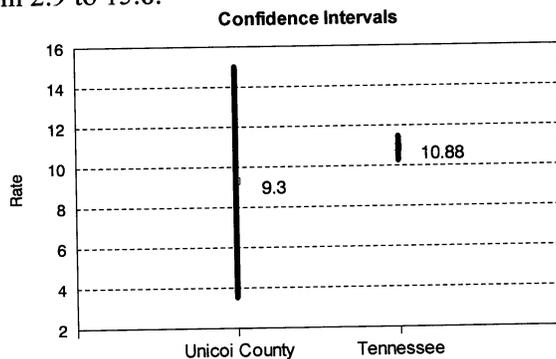
Perhaps the most common error made in vital statistics concerns the use of rates based on very small numbers. When the numbers being used to calculate rates are extremely small, large swings often occur in the rates which do not reflect real changes. Consider Unicoi county's infant mortality rates for a 5-year period:

<u>Year</u>	<u>Births</u>	<u>Infant Deaths</u>	<u>Infant Death Rates</u>
1986	151	2	13.2
1987	175	0	---
1988	199	0	---
1989	165	2	12.1
1990	166	4	24.1
1986-1990	856	8	9.3

The overall rate of 9.3 is quite similar to the state rate of 10.9 for the same time period. Yet the rate varies widely with the addition or subtraction of only two deaths. Public health officials would waste a good deal of energy if they reacted to these annual rates.

Statisticians expect a certain amount of chance variation and have methods to take this into account. The confidence interval uses the number of cases and their distributions to determine what the rate "really is". For example a statistician will say, "We are 95 percent sure that the true infant death rate for Tennessee between 1986 and 1990 was 10.88 plus or minus 0.33, that is, it lies somewhere between 10.55 and 11.21." If two rates have overlapping confidence intervals, then the difference between them may be due to this chance variation. In other words, the difference between them is not statistically significant.

Unicoi county's infant death rate for the same period was 9.35 plus or minus 6.45. Even though 5 years of data were combined in the determination of the confidence interval for Unicoi county, the 95 percent confidence interval ranges from 2.9 to 15.8.



The difference between the state rate and Unicoi county's rate is not statistically significant.

If 20 is too few, how many cases are sufficient to say that a true difference exists? Unfortunately we have no easy rules for this. To be safe, the vital statistician should always try to combine several years of data or consolidate geographical areas.

Many rates based on small numbers are published in this book because readers demand them. But anyone preparing to make important decisions based on these rates should make an effort to determine if rates are statistically significant.

STEP 4: ANALYZING THE DATA

The first three steps have been fairly mechanical:

- (1) Choose the correct events and the correct population to determine the number of events which took place for the geographical areas and time periods.
- (2) Calculate the rates.
- (3) Compare these rates to determine if the differences are statistically significant.

NOW the vital statistician must begin to ask the difficult questions, Just because two rates are different, can we assume that we have a case of cause and effect? Is there another factor which is really causing the changes in the rates? If the differences which we expected did not prove to be significant, is there another item which perhaps is masking the difference? Frequently the statistician has to refine the research question and begin all over again.

Several sources of help are available. Many of the widely used rates and ratios are presented in the narrative and summary section. Tables and figures are included throughout the book to illustrate changes. Also, the staff of the Division of Health Statistics are available for data users who need assistance.

APPENDIX F
SAMPLE OF TENNESSEE'S CERTIFICATES AND
REPORTS FOR VITAL EVENTS

CERTIFICATE OF LIVE BIRTH



TENNESSEE DEPARTMENT OF HEALTH CERTIFICATE OF LIVE BIRTH

STATE FILE NUMBER: **141-**

CHILD	1. CHILD'S NAME (First, Middle, Last, Suffix)					
	2. SEX	3. DATE OF BIRTH (Mo/Day/Yr)	4. TIME OF BIRTH (24 Hour)	5. FACILITY NAME (If not institution, give street and number)		
	6. CITY, TOWN, OR LOCATION OF BIRTH			7. COUNTY OF BIRTH		
MOTHER	8a. MOTHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)			8b. DATE OF BIRTH (Mo/Day/Yr)		
	8c. MOTHER'S NAME PRIOR TO FIRST MARRIAGE (First, Middle, Last, Suffix)			8d. BIRTHPLACE (State, Territory, or Foreign Country)		
	9a. RESIDENCE OF MOTHER-STATE OR COUNTRY		9b. COUNTY	9c. CITY, TOWN, OR LOCATION		
	9d. STREET AND NUMBER		9e. APT. NO.	9f. ZIP CODE	9g. INSIDE CITY LIMITS? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	10. MOTHER'S MAILING ADDRESS <input type="checkbox"/> Same as residence, or:					
	Street and Number		Apt. No.	City	State or Country	Zip Code
FATHER	11a. FATHER'S CURRENT LEGAL NAME (First, Middle, Last, Suffix)		11b. DATE OF BIRTH (Mo/Day/Yr)	11c. BIRTHPLACE (State, Territory, or Foreign Country)		
CERTIFIER	12. CERTIFIER'S SIGNATURE AND DATE CERTIFIED					
	SIGNATURE _____			DATE SIGNED (Mo/Day/Yr) _____		
	TITLE: <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> HOSPITAL DESIGNEE <input type="checkbox"/> CNM/CM <input type="checkbox"/> CPM <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other, Specify _____					
	CERTIFIER'S PRINTED NAME _____					
13. REGISTRAR'S SIGNATURE _____				14. DATE FILED BY REGISTRAR (Mo/Day/Yr) _____		

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Rev. (1/04)

RDA 1399

INFORMATION FOR MEDICAL AND HEALTH USE ONLY

15. MOTHER'S MEDICAL RECORD NO.	16. CHILD'S MEDICAL RECORD NO.	17. NEWBORN SCREENING SPECIMEN CONTROL NO.	18. FACILITY ID (NPI)
19. MOTHER MARRIED AT BIRTH, CONCEPTION, OR ANY TIME BETWEEN ? IF NO, HAS PATERNITY ACKNOWLEDGMENT FORM BEEN COMPLETED?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	20. SOCIAL SECURITY CARD REQUESTED FOR CHILD? <input type="checkbox"/> Yes <input type="checkbox"/> No
21. MOTHER'S SOCIAL SECURITY NO.		22. FATHER'S SOCIAL SECURITY NO.	

CERTIFICATE OF LIVE BIRTH (Continued)

MOTHER	23. MOTHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery) <ul style="list-style-type: none"> <input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th - 12th grade, no diploma <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Some college credit but no degree <input type="checkbox"/> Associate degree (e.g. AA, AS) <input type="checkbox"/> Bachelor's degree (e.g. BA, AB, BS) <input type="checkbox"/> Master's degree (e.g. MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD) <input type="checkbox"/> Unknown 	24. MOTHER OF HISPANIC ORIGIN? (Check the box that best describes whether the mother is Spanish/Hispanic/Latina. Check the "No" box if mother is not Spanish/Hispanic/Latina) <ul style="list-style-type: none"> <input type="checkbox"/> No, not Spanish/Hispanic/Latina <input type="checkbox"/> Yes, Mexican, Mexican American, Chicana <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, other Spanish/Hispanic/Latina Specify _____ <input type="checkbox"/> Unknown 	25a. MOTHER'S RACE (Check one or more races to indicate what the mother considers herself to be) <ul style="list-style-type: none"> <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native Name of the enrolled or principle tribe _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian, Specify _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander, Specify _____ <input type="checkbox"/> Other, Specify _____ <input type="checkbox"/> Unknown 																		
FATHER	26. FATHER'S EDUCATION (Check the box that best describes the highest degree or level of school completed at the time of delivery) <ul style="list-style-type: none"> <input type="checkbox"/> 8th grade or less <input type="checkbox"/> 9th - 12th grade, no diploma <input type="checkbox"/> High school graduate or GED completed <input type="checkbox"/> Some college credit but no degree <input type="checkbox"/> Associate degree (e.g. AA, AS) <input type="checkbox"/> Bachelor's degree (e.g. BA, AB, BS) <input type="checkbox"/> Master's degree (e.g. MA, MS, MEng, MEd, MSW, MBA) <input type="checkbox"/> Doctorate (e.g., PhD, EdD) or Professional degree (e.g., MD, DDS, DVM, LLB, JD) <input type="checkbox"/> Unknown 	27. FATHER OF HISPANIC ORIGIN? (Check the box that best describes whether the father is Spanish/Hispanic/Latino. Check the "No" box if father is not Spanish/Hispanic/Latino) <ul style="list-style-type: none"> <input type="checkbox"/> No, not Spanish/Hispanic/Latino <input type="checkbox"/> Yes, Mexican, Mexican American, Chicano <input type="checkbox"/> Yes, Puerto Rican <input type="checkbox"/> Yes, Cuban <input type="checkbox"/> Yes, other Spanish/Hispanic/Latino Specify _____ <input type="checkbox"/> Unknown 	28a. FATHER'S RACE (Check one or more races to indicate what the father considers himself to be) <ul style="list-style-type: none"> <input type="checkbox"/> White <input type="checkbox"/> Black or African American <input type="checkbox"/> American Indian or Alaska Native Name of the enrolled or principle tribe _____ <input type="checkbox"/> Asian Indian <input type="checkbox"/> Chinese <input type="checkbox"/> Filipino <input type="checkbox"/> Japanese <input type="checkbox"/> Korean <input type="checkbox"/> Vietnamese <input type="checkbox"/> Other Asian, Specify _____ <input type="checkbox"/> Native Hawaiian <input type="checkbox"/> Guamanian or Chamorro <input type="checkbox"/> Samoan <input type="checkbox"/> Other Pacific Islander, Specify _____ <input type="checkbox"/> Other, Specify _____ <input type="checkbox"/> Unknown 																		
MEDICAL AND HEALTH INFORMATION	29. PLACE WHERE BIRTH OCCURRED <ul style="list-style-type: none"> <input type="checkbox"/> Hospital <input type="checkbox"/> Freestanding birthing center <input type="checkbox"/> Home Birth: Planned to deliver at home? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Clinic/Doctor's office <input type="checkbox"/> Other, Specify _____ 		30. ATTENDANT'S NAME, TITLE, AND NPI NAME: _____ TITLE: <input type="checkbox"/> MD <input type="checkbox"/> DO <input type="checkbox"/> CNM/CM <input type="checkbox"/> CPM <input type="checkbox"/> Other Midwife <input type="checkbox"/> Other, Specify _____ NPI: _____		31. MOTHER TRANSFERRED FOR MATERNAL MEDICAL OR FETAL INDICATIONS FOR DELIVERY? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, enter name of facility mother transferred from: _____																
32. DID THE MOTHER RECEIVE PRENATAL CARE? <input type="checkbox"/> Yes <input type="checkbox"/> No		33. TOTAL NUMBER OF PRENATAL VISITS FOR THIS PREGNANCY _____ (If none, enter 0)	34a. DATE OF FIRST PRENATAL CARE VISIT M M / D D / Y Y Y Y		34b. DATE OF LAST PRENATAL CARE VISIT M M / D D / Y Y Y Y																
35. MOTHER'S HEIGHT _____ (feet/inches)		36. MOTHER'S PREPREGNANCY WEIGHT _____ (pounds)		37. MOTHER'S WEIGHT AT DELIVERY _____ (pounds)																	
39. NUMBER OF PREVIOUS LIVE BIRTHS (Do not include this child) <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;">39a. Now living _____ <input type="checkbox"/> None</td> <td style="width: 33%; border: none;">39b. Now dead _____ <input type="checkbox"/> None</td> <td style="width: 34%; border: none;">39c. Date of last live birth M M / Y Y Y Y</td> </tr> </table>			39a. Now living _____ <input type="checkbox"/> None	39b. Now dead _____ <input type="checkbox"/> None	39c. Date of last live birth M M / Y Y Y Y	40. NUMBER OF OTHER PREGNANCY OUTCOMES <table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;">40a. Other outcomes _____ <input type="checkbox"/> None</td> <td style="width: 34%; border: none;">40b. Date of last other pregnancy outcome M M / Y Y Y Y</td> </tr> </table>		40a. Other outcomes _____ <input type="checkbox"/> None	40b. Date of last other pregnancy outcome M M / Y Y Y Y	41. DATE LAST NORMAL MENSES BEGAN M M / D D / Y Y Y Y											
39a. Now living _____ <input type="checkbox"/> None	39b. Now dead _____ <input type="checkbox"/> None	39c. Date of last live birth M M / Y Y Y Y																			
40a. Other outcomes _____ <input type="checkbox"/> None	40b. Date of last other pregnancy outcome M M / Y Y Y Y																				
42. PRINCIPLE SOURCE OF PAYMENT FOR THIS DELIVERY <ul style="list-style-type: none"> <input type="checkbox"/> Private Insurance <input type="checkbox"/> Medicaid/TennCare <input type="checkbox"/> Self-pay <input type="checkbox"/> Other, Specify: _____ 		43. CIGARETTE SMOKING BEFORE AND DURING PREGNANCY For each time period, enter either the number of cigarettes or the number of packs of cigarettes smoked. If none, enter "0". Average number of cigarettes or packs of cigarettes smoked per day <table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border: none;">Three Months Before Pregnancy</td> <td style="width: 10%; border: none;"># of cigarettes</td> <td style="width: 10%; border: none;">or</td> <td style="width: 20%; border: none;"># of packs</td> </tr> <tr> <td style="border: none;">First Three Months of Pregnancy</td> <td style="border: none;">_____</td> <td style="border: none;">or</td> <td style="border: none;">_____</td> </tr> <tr> <td style="border: none;">Second Three Months of Pregnancy</td> <td style="border: none;">_____</td> <td style="border: none;">or</td> <td style="border: none;">_____</td> </tr> <tr> <td style="border: none;">Last Three Months of Pregnancy</td> <td style="border: none;">_____</td> <td style="border: none;">or</td> <td style="border: none;">_____</td> </tr> </table>				Three Months Before Pregnancy	# of cigarettes	or	# of packs	First Three Months of Pregnancy	_____	or	_____	Second Three Months of Pregnancy	_____	or	_____	Last Three Months of Pregnancy	_____	or	_____
Three Months Before Pregnancy	# of cigarettes	or	# of packs																		
First Three Months of Pregnancy	_____	or	_____																		
Second Three Months of Pregnancy	_____	or	_____																		
Last Three Months of Pregnancy	_____	or	_____																		

CERTIFICATE OF LIVE BIRTH (Continued)

MEDICAL AND HEALTH INFORMATION	44. RISK FACTORS IN THIS PREGNANCY (Check all that apply) <ul style="list-style-type: none"> Diabetes <ul style="list-style-type: none"> <input type="checkbox"/> Prepregnancy (Diagnosis prior to this pregnancy) <input type="checkbox"/> Gestational (Diagnosis in this pregnancy) Hypertension <ul style="list-style-type: none"> <input type="checkbox"/> Prepregnancy (Chronic) <input type="checkbox"/> Gestational (PIH, preeclampsia, eclampsia) <input type="checkbox"/> Previous preterm birth <input type="checkbox"/> Other previous poor pregnancy outcome (includes perinatal death, small for gestational age/intrauterine growth restricted birth) <input type="checkbox"/> Vaginal bleeding during this pregnancy prior to the onset of labor <input type="checkbox"/> Pregnancy resulted from infertility treatment <input type="checkbox"/> Mother had a previous cesarean delivery. If yes, how many _____ <input type="checkbox"/> None of the above 	46. OBSTETRIC PROCEDURES (Check all that apply) <ul style="list-style-type: none"> <input type="checkbox"/> Cervical cerclage <input type="checkbox"/> Tocolysis External cephalic version <ul style="list-style-type: none"> <input type="checkbox"/> Successful <input type="checkbox"/> Failed <input type="checkbox"/> None of the above 	49. METHOD OF DELIVERY <ul style="list-style-type: none"> A. Was delivery with forceps attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No B. Was delivery with vacuum extraction attempted but unsuccessful? <input type="checkbox"/> Yes <input type="checkbox"/> No C. Fetal presentation at birth <ul style="list-style-type: none"> <input type="checkbox"/> Cephalic <input type="checkbox"/> Breech <input type="checkbox"/> Other D. Final route and method of delivery (Check one) <ul style="list-style-type: none"> <input type="checkbox"/> Vaginal/Spontaneous <input type="checkbox"/> Vaginal/Forceps <input type="checkbox"/> Vaginal/Vacuum <input type="checkbox"/> Cesarean <ul style="list-style-type: none"> If cesarean, was a trial of labor attempted? <input type="checkbox"/> Yes <input type="checkbox"/> No
	45. INFECTIONS PRESENT AND/OR TREATED DURING THIS PREGNANCY (Check all that apply) <ul style="list-style-type: none"> <input type="checkbox"/> Gonorrhea <input type="checkbox"/> Syphilis <input type="checkbox"/> Herpes Simplex Virus (HSV) <input type="checkbox"/> Chlamydia <input type="checkbox"/> Hepatitis B <input type="checkbox"/> Hepatitis C <input type="checkbox"/> None of the above 	47. ONSET OF LABOR (Check all that apply) <ul style="list-style-type: none"> <input type="checkbox"/> Premature rupture of the membranes (prolonged, ≥ 12 hrs) <input type="checkbox"/> Precipitous labor (<3 hrs) <input type="checkbox"/> Prolonged labor (≥ 20 hrs) <input type="checkbox"/> None of the above 	48. CHARACTERISTICS OF LABOR AND DELIVERY (Check all that apply) <ul style="list-style-type: none"> <input type="checkbox"/> Induction of labor <input type="checkbox"/> Augmentation of labor <input type="checkbox"/> Non-vertex presentation <input type="checkbox"/> Steroids (glucocorticoids) for fetal lung maturation received by the mother prior to delivery <input type="checkbox"/> Antibiotics received by the mother during labor <input type="checkbox"/> Clinical chorioamnionitis diagnosed during labor or maternal temperature $\geq 38^{\circ}\text{C}$ (100.4°F) <input type="checkbox"/> Moderate/heavy meconium staining of the amniotic fluid <input type="checkbox"/> Fetal intolerance of labor such that one or more of the following actions was taken: in-utero resuscitative measures, further fetal assessment or operative delivery <input type="checkbox"/> Epidural or spinal anesthesia during labor <input type="checkbox"/> None of the above

NEWBORN INFORMATION

NEWBORN	51. BIRTHWEIGHT (grams preferred, specify unit) _____ <input type="checkbox"/> grams <input type="checkbox"/> lb/oz	56. ABNORMAL CONDITIONS OF THE NEWBORN (Check all that apply) <ul style="list-style-type: none"> <input type="checkbox"/> Assisted ventilation required immediately following delivery <input type="checkbox"/> Assisted ventilation required for more than six hours <input type="checkbox"/> NICU admission <input type="checkbox"/> Newborn given surfactant replacement therapy <input type="checkbox"/> Antibiotics received by the newborn for suspected neonatal sepsis <input type="checkbox"/> Seizure or serious neurologic dysfunction <input type="checkbox"/> Significant birth injury (skeletal fracture(s), peripheral nerve injury, and/or soft tissue/solid organ hemorrhage which requires intervention) <input type="checkbox"/> None of the above 	57. CONGENITAL ANOMALIES OF THE NEWBORN (Check all that apply) <ul style="list-style-type: none"> <input type="checkbox"/> Anencephaly <input type="checkbox"/> Meningocele/Spina bifida <input type="checkbox"/> Cyanotic congenital heart disease <input type="checkbox"/> Congenital diaphragmatic hernia <input type="checkbox"/> Omphalocele <input type="checkbox"/> Gastroschisis <input type="checkbox"/> Limb reduction defect (excluding congenital amputation and dwarfing syndromes) <input type="checkbox"/> Cleft lip with or without Cleft palate <input type="checkbox"/> Cleft palate alone <ul style="list-style-type: none"> <input type="checkbox"/> Down Syndrome <ul style="list-style-type: none"> <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending Suspected chromosomal disorder <ul style="list-style-type: none"> <input type="checkbox"/> Karyotype confirmed <input type="checkbox"/> Karyotype pending <input type="checkbox"/> Hypospadias <input type="checkbox"/> None of the anomalies listed above
	52. OBSTETRIC ESTIMATE OF GESTATION _____ (completed weeks)		
	53. APGAR SCORE Score at 5 minutes _____ If 5 minute score is less than 6, what is the Score at 10 minutes _____		
	54. PLURALITY (Single, Twin, Triplet, etc.) Specify _____		
	55. IF NOT SINGLE BIRTH (Born First, Second, Third etc.) Specify _____		
58. WAS INFANT TRANSFERRED WITHIN 24 HOURS OF DELIVERY? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, name of facility infant transferred to: _____	60a. IS INFANT LIVING AT TIME OF REPORT? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Infant transferred, status unknown		
59. IS INFANT BEING BREASTFED? <input type="checkbox"/> Yes <input type="checkbox"/> No	60b. If not living, give date of death _____ / _____ / _____ M M / D D / Y Y Y Y		
HOUSEHOLD	61. WHAT LANGUAGE IS SPOKEN PREDOMINANTLY IN THE HOME? <ul style="list-style-type: none"> <input type="checkbox"/> English <input type="checkbox"/> Spanish/Spanish Creole <input type="checkbox"/> German <input type="checkbox"/> French <input type="checkbox"/> Chinese <input type="checkbox"/> Vietnamese <input type="checkbox"/> Korean <input type="checkbox"/> Arabic <input type="checkbox"/> Other, Specify _____ <input type="checkbox"/> Unknown 	62. WHAT IS THE COMBINED HOUSEHOLD INCOME FOR THE LAST 12 MONTHS? <ul style="list-style-type: none"> <input type="checkbox"/> < \$10,000 <input type="checkbox"/> \$25,000 - \$34,999 <input type="checkbox"/> \$75,000 - \$99,999 <input type="checkbox"/> \$10,000 - \$14,999 <input type="checkbox"/> \$35,000 - \$49,999 <input type="checkbox"/> \$100,000 or more <input type="checkbox"/> \$15,000 - \$24,999 <input type="checkbox"/> \$50,000 - \$74,999 <input type="checkbox"/> Unknown/Refused 	

CERTIFICATE OF DEATH



TENNESSEE DEPARTMENT OF HEALTH CERTIFICATE OF DEATH

STATE FILE
NUMBER

TYPE/PRINT
IN
PERMANENT
BLACK INK
FOR
INSTRUCTIONS
SEE HANDBOOK

NAME OF DECEDENT:
For use by physician or institution

1. DECEDENT'S NAME (First, Middle, Last)				2. SEX		3. DATE OF DEATH (Month, Day, Year)	
4. SOCIAL SECURITY NUMBER (of Decedent)		5a. AGE-LAST BIRTHDAY (Years)	5b. UNDER 1 YEAR (MOS.)	5c. UNDER 1 DAY (HOURS)	5d. UNDER 1 DAY (MIN.)	8. DATE OF BIRTH (Month, Day, Year)	
6. BIRTHPLACE (City and State or Foreign Country)		7. BIRTHPLACE (City and State or Foreign Country)					
8. WAS DECEDENT EVER IN U.S. ARMED FORCES? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No		9a. PLACE OF DEATH (Check only one) HOSPITAL: 1 <input type="checkbox"/> Inpatient 2 <input type="checkbox"/> ER/Outpatient 3 <input type="checkbox"/> DOA OTHER: 4 <input type="checkbox"/> Nursing Home 5 <input type="checkbox"/> Residence 6 <input type="checkbox"/> Other (Specify)					
9b. FACILITY NAME (If not institution, give street and number)			9c. CITY, TOWN, OR LOCATION OF DEATH			9d. COUNTY OF DEATH	
10. MARITAL STATUS-Married, Never Married, Widowed, Divorced (Specify)		11. SURVIVING SPOUSE (If wife, give maiden name)		12a. DECEDENT'S USUAL OCCUPATION (Give kind of work done during most of working life. Do not use retired.)		12b. KIND OF BUSINESS/INDUSTRY	
13a. RESIDENCE-STATE		13b. COUNTY		13c. CITY, TOWN OR LOCATION		13d. STREET AND NUMBER OR RURAL LOCATION	
13e. INSIDE CITY LIMITS? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No		13f. ZIP CODE		14. WAS DECEDENT OF HISPANIC ORIGIN? (Specify Yes or No-if yes, specify Cuban, Mexican, Puerto Rican, etc.) <input type="checkbox"/> Yes <input type="checkbox"/> No Specify, if yes:		15. RACE-American Indian, Black, White, etc. (Specify)	
16. DECEDENT'S EDUCATION (Specify only highest grade completed) Elementary/Secondary (0-12) College (1-4 or 5+)							
17. FATHER'S NAME (First, Middle, Last)				18. MOTHER'S NAME (First, Middle, Maiden Surname)			
19a. INFORMANT'S NAME (Type/Print)				19b. RELATIONSHIP TO DECEASED		19c. MAILING ADDRESS (Street and Number or Rural Route Number, City or Town, State, Zip Code)	
20a. METHOD OF DISPOSITION 1 <input type="checkbox"/> Burial 2 <input type="checkbox"/> Cremation 3 <input type="checkbox"/> Removal from State 4 <input type="checkbox"/> Donation 5 <input type="checkbox"/> Other (Specify)		20b. PLACE OF DISPOSITION (Name of cemetery, crematory, or other place)		20c. LOCATION-City or Town, State			
21a. SIGNATURE OF FUNERAL DIRECTOR		21b. LICENSE NUMBER OF FUNERAL DIRECTOR		21c. SIGNATURE OF EMBALMER		21d. LICENSE NUMBER OF EMBALMER	
22a. NAME AND ADDRESS OF FUNERAL HOME						22b. LICENSE NUMBER OF FUNERAL HOME	
23. REGISTRAR'S SIGNATURE				24. DATE FILED (Month, Day, Year)			
25a. PHYSICIAN - To the best of my knowledge, death occurred at the date and place, and due to the cause(s) and manner as stated.							
1 <input type="checkbox"/> SIGNATURE AND TITLE OF PHYSICIAN		25b. LICENSE NUMBER		25c. DATE SIGNED (Month, Day, Year)			
26a. MEDICAL EXAMINER - On the basis of examination and/or investigation, in my opinion, death occurred at the date and place, and due to the cause(s) and manner as stated.							
2 <input type="checkbox"/> SIGNATURE AND TITLE OF MEDICAL EXAMINER		26b. LICENSE NUMBER		26c. DATE SIGNED (Month, Day, Year)			
27. NAME AND ADDRESS OF CERTIFIER (PHYSICIAN OR MEDICAL EXAMINER) (Type/Print)							
28. PART I. Enter the diseases, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.							Approximate Interval Between Onset and Death
IMMEDIATE CAUSE (Final disease or condition resulting in death) →		a. _____ DUE TO (OR AS A CONSEQUENCE OF):					
Sequentially list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST		b. _____ DUE TO (OR AS A CONSEQUENCE OF):					
		c. _____ DUE TO (OR AS A CONSEQUENCE OF):					
		d. _____ DUE TO (OR AS A CONSEQUENCE OF):					
PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.						29a. WAS AN AUTOPSY PERFORMED? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
						29b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
30. MANNER OF DEATH 1 <input type="checkbox"/> Natural 5 <input type="checkbox"/> Pending Investigation 2 <input type="checkbox"/> Accident 6 <input type="checkbox"/> Could not be Determined 3 <input type="checkbox"/> Suicide 4 <input type="checkbox"/> Homicide		31a. DATE OF INJURY (Month, Day, Year)		31b. TIME OF INJURY		31c. INJURY AT WORK? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	
		31d. DESCRIBE HOW INJURY OCCURRED		31f. LOCATION (Street and Number or Rural Route Number, City or Town, State)			
		31e. PLACE OF INJURY-At home, farm, street, factory, office building, etc. (Specify)					

PHYSICIAN OR MEDICAL EXAMINER EXECUTING CERTIFICATE MUST COMPLETE AND SIGN MEDICAL CERTIFICATION WITHIN 48 HOURS.

SEE INSTRUCTIONS ON OTHER SIDE

CAUSE OF DEATH

CERTIFICATE OF DEATH (Continued)

INSTRUCTIONS FOR ITEM 28. -- CAUSE OF DEATH

Item 28. - Cause of Death

The cause of death means the disease, abnormality, injury, or poisoning that caused the death, NOT the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure.

In **Part I**, the immediate cause of death is reported on line (a), Antecedent conditions, if any, which gave rise to the cause are reported on lines (b), (c), and (d). The underlying cause, should be reported on the last line used in Part I. No entry is necessary on lines (b), (c), and (d) if the immediate cause of death on line (a) describes completely the train of events. **ONLY ONE CAUSE SHOULD BE ENTERED ON A LINE.** Additional lines may be added if necessary. Provide the best estimate of the interval between the onset of each condition and death. Do not leave interval blank; if unknown, so specify.

In **Part II**, enter other important diseases or conditions that may have contributed to death but did not result in the underlying cause of death given in Part I.

See examples below.

SEE INSTRUCTIONS ON OTHER SIDE	28. PART I. Enter the disease, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.					Approximate Interval Between Onset and Death	
	IMMEDIATE CAUSE (Final disease or condition resulting in death) → a.	Rupture of myocardium DUE TO (OR AS A CONSEQUENCE OF):				Mins.	
	Sequitally list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST	b.	Acute myocardial infarction DUE TO (OR AS A CONSEQUENCE OF):				6 days
		c.	Coronary atherosclerosis DUE TO (OR AS A CONSEQUENCE OF):				5 years
d.							
PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.					29a. WAS AN AUTOPSY PERFORMED?	29b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH?	
Diabetes, Chronic obstructive pulmonary disease, smoking					1 <input checked="" type="checkbox"/> Yes 2 <input type="checkbox"/> No	1 <input checked="" type="checkbox"/> Yes 2 <input type="checkbox"/> No	
30. MANNER OF DEATH		31a. DATE OF INJURY (Month, Day, Year)	31b. TIME OF INJURY	31c. INJURY AT WORK? (Yes or no)	31d. DESCRIBE HOW INJURY OCCURRED		
1 <input checked="" type="checkbox"/> Natural 5 <input type="checkbox"/> Pending investigation							
2 <input type="checkbox"/> Accident			M				
3 <input type="checkbox"/> Suicide 6 <input type="checkbox"/> Could not be determined							
4 <input type="checkbox"/> Homicide		31e. PLACE OF INJURY-At home, farm, street, factory, office building, etc. (Specify)		31f. LOCATION (Street and Number or Rural Route Number, City or Town, State)			

SEE INSTRUCTIONS ON OTHER SIDE	28. PART I. Enter the disease, injuries, or complications that caused the death. Do not enter the mode of dying, such as cardiac or respiratory arrest, shock, or heart failure. List only one cause on each line.					Approximate Interval Between Onset and Death	
	IMMEDIATE CAUSE (Final disease or condition resulting in death) → a.	Cerebral laceration DUE TO (OR AS A CONSEQUENCE OF):				10 mins.	
	Sequitally list conditions, if any, leading to immediate cause. Enter UNDERLYING CAUSE (Disease or injury that initiated events resulting in death) LAST	b.	Open skull fracture DUE TO (OR AS A CONSEQUENCE OF):				10 mins.
		c.	Automobile accident DUE TO (OR AS A CONSEQUENCE OF):				10 mins.
d.							
PART II. Other significant conditions contributing to death but not resulting in the underlying cause given in Part I.					29a. WAS AN AUTOPSY PERFORMED?	29b. WERE AUTOPSY FINDINGS AVAILABLE PRIOR TO COMPLETION OF CAUSE OF DEATH?	
					1 <input type="checkbox"/> Yes 2 <input checked="" type="checkbox"/> No	1 <input type="checkbox"/> Yes 2 <input checked="" type="checkbox"/> No	
30. MANNER OF DEATH		31a. DATE OF INJURY (Month, Day, Year)	31b. TIME OF INJURY	31c. INJURY AT WORK? (Yes or no)	31d. DESCRIBE HOW INJURY OCCURRED		
1 <input type="checkbox"/> Natural 5 <input type="checkbox"/> Pending investigation							
2 <input checked="" type="checkbox"/> Accident		11/15/89	1 p. M	No	2-car collision-driver		
3 <input type="checkbox"/> Suicide 6 <input type="checkbox"/> Could not be determined							
4 <input type="checkbox"/> Homicide		31e. PLACE OF INJURY-At home, farm, street, factory, office building, etc. (Specify)		31f. LOCATION (Street and Number or Rural Route Number, City or Town, State)			
		Street		Route 4, Nashville, TN			

ADDITIONAL INFORMATION BY PHYSICIAN

FOR OFFICIAL USE ONLY

REPORT OF FETAL DEATH



TENNESSEE DEPARTMENT OF HEALTH
REPORT OF FETAL DEATH (Stillbirth)

STATE FILE NUMBER

TYPEPRINT IN PERMANENT BLACK INK FOR INSTRUCTIONS SEE HANDBOOK ALL ITEMS 1-31 MUST BE COMPLETED.

A REPORT IS REQUIRED FOR A FETUS OF 200 GRAMS OR MORE, OR OF 20 COMPLETED WEEKS GESTATION OR MORE.

"FETAL DEATH" MEANS DEATH PRIOR TO THE COMPLETE EXPULSION OR EXTRACTION FROM ITS MOTHER OF A PRODUCT OF HUMAN CONCEPTION. THE DEATH IS INDICATED BY THE FACT THAT AFTER SUCH EXPULSION OR EXTRACTION THE FETUS DOES NOT BREATHE OR SHOW ANY OTHER EVIDENCE OF LIFE SUCH AS BEATING OF THE HEART, PULSATION OF THE UMBILICAL CORD OR DEFINITE MOVEMENT OF VOLUNTARY MUSCLES.

THIS REPORT IS A STATISTICAL AND RESEARCH RECORD ONLY. THE REPORT IS NOT MADE AVAILABLE FOR THE ISSUANCE OF CERTIFIED COPY.

PERSON IN CHARGE OF INSTITUTION OR ATTENDING PHYSICIAN MUST FILE REPORT WITHIN 10 DAYS AFTER DELIVERY.

SEND TO: OFFICE OF VITAL RECORDS 421 FIFTH AVE. NORTH CENTRAL SVCS. BLDG. 1ST FLOOR NASHVILLE, TN 37243

PH-1668 (REV. 7/70)

NAME OF STILLBORN CHILD, IF DESIRED BY MOTHER: First Middle Last (initials)			
1. FACILITY NAME (If not institution, give street and number)		2. SEX OF FETUS	3. DATE OF DELIVERY (Month, Day, Year)
4. CITY, TOWN, OR LOCATION OF DELIVERY			5. COUNTY OF DELIVERY
6a. MOTHER'S NAME (First, Middle, Last)		6b. MAIDEN SURNAME	7. MOTHER'S DATE OF BIRTH (Month, Day, Year)
8a. RESIDENCE-STATE	8b. COUNTY	8c. CITY, TOWN, OR LOCATION	8d. STREET AND NUMBER OR RURAL LOCATION
9a. INSIDE CITY LIMITS? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	9b. ZIP CODE	9. FATHER'S NAME (First, Middle, Last)	10. FATHER'S DATE OF BIRTH (Month, Day, Year)
11. RACE—American Indian, Black, White, etc. (Specify below)	12. OF HISPANIC ORIGIN? (Specify Yes or No—If yes, specify Cuban, Mexican, Puerto Rican, etc.)	13. EDUCATION (At delivery, conception, or any time between) Elementary/Secondary (9-12) College (1-4 or 5+)	
14. OCCUPATION AND BUSINESS/INDUSTRY (Method during last year)		14. OCCUPATION AND BUSINESS/INDUSTRY (Method during last year)	
11a.	12a. <input type="checkbox"/> Yes <input type="checkbox"/> No	13a.	14a.
11b.	12b. <input type="checkbox"/> Yes <input type="checkbox"/> No	13b.	14b.
15. PREGNANCY HISTORY (Complete each section)		16. MOTHER MARRIED TO FATHER? (At delivery, conception, or any time between) 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No	17. DATE LAST NORMAL MENSTRUATION BEGAN (Month, Day, Year)
LIVE BIRTHS		18. MONTH OF PREGNANCY PRENATAL CARE BEGAN—First, Second, Third, etc. (Specify)	
OTHER TERMINATIONS Any time after conception (Do not include this fetus)		19. PRENATAL VISITS: Number _____ 00 <input type="checkbox"/> No case	
15a. Now Living Number _____ 00 <input type="checkbox"/> None	15b. Now Deceased Number _____ 00 <input type="checkbox"/> None	20. HEIGHT OF FETUS (Specify Last)	21. CLINICAL ESTIMATE OF GESTATION (Months)
15c. DATE OF LAST LIVE BIRTH (Month, Year)	15d. DATE OF LAST OTHER TERMINATION (Month, Year)	22a. PLURAILITY—Single, Twin, Triplet, etc. (Specify)	22b. IF NOT SINGLE BIRTH—Sum First, Second, Third, etc. (Specify)
23a. MEDICAL RISK FACTORS FOR THIS PREGNANCY (Check all that apply)		24. OBSTETRIC PROCEDURES (Check all that apply)	
23b. OTHER RISK FACTORS FOR THIS PREGNANCY (Complete all items)		25. COMPLICATIONS OF LABOR AND/OR DELIVERY (Check all that apply)	
26. METHOD OF DELIVERY (Check all that apply)		27. CONGENITAL ANOMALIES OF FETUS (Check all that apply)	

REPORT OF INDUCED TERMINATION OF PREGNANCY



TENNESSEE DEPARTMENT OF HEALTH REPORT OF INDUCED TERMINATION OF PREGNANCY

TYPEPRINT
IN
PERMANENT
BLACK INK
FOR
INSTRUCTIONS
SEE
HANDBOOK

ALL ITEMS 1-17 MUST
BE COMPLETED.

STATE FILE NUMBER	
1. FACILITY NAME (If not clinic or hospital, give address)	2. CITY, TOWN, OR LOCATION OF PREGNANCY TERMINATION
3. COUNTY OF PREGNANCY TERMINATION	
4. PATIENT IDENTIFICATION NUMBER	5. AGE LAST BIRTHDAY
8. MARRIED? 1 <input type="checkbox"/> YES 2 <input type="checkbox"/> NO	
7. DATE OF PREGNANCY TERMINATION (Month, Day, Year)	
8a. RESIDENCE-STATE	8b. COUNTY
8c. CITY, TOWN, OR LOCATION	
8d. INSIDE CITY LIMITS? 1 <input type="checkbox"/> YES 2 <input type="checkbox"/> NO	
8e. ZIP CODE	
9. OF HISPANIC ORIGIN? (Specify Yes or No - If yes, specify Cuban, Mexican, Puerto Rican, etc.) <input type="checkbox"/> Yes <input type="checkbox"/> No Specify, if yes:	10. RACE 1 <input type="checkbox"/> White 2 <input type="checkbox"/> Black 3 <input type="checkbox"/> American Indian <input type="checkbox"/> Other (Specify)
11. EDUCATION (Specify only highest grade completed) Elementary/Secondary (1-12) _____ College (1-4 or 5+) _____	
12. DATE LAST NORMAL MENSES BEGAN (Month, Day, Year)	13. CLINICAL ESTIMATE OF GESTATION (Weeks)
14. PREVIOUS PREGNANCIES (Complete each section)	
LIVE BIRTHS	
14a. Now Living Number _____ 00 <input type="checkbox"/> None	14b. Now Dead Number _____ 00 <input type="checkbox"/> None
OTHER TERMINATIONS	
14c. Spontaneous Number _____ 00 <input type="checkbox"/> None	14d. Induced (Do not include this termination) Number _____ 00 <input type="checkbox"/> None
15. TERMINATION PROCEDURES	
15a. PROCEDURE THAT TERMINATED PREGNANCY	15b. ADDITIONAL PROCEDURES USED FOR THIS TERMINATION, IF ANY
(Check only one)	(Check all that apply)
1 <input type="checkbox"/> Suction Curettage	<input type="checkbox"/> 1
2 <input type="checkbox"/> Sharp Curettage	<input type="checkbox"/> 2
3 <input type="checkbox"/> Dilation and Evacuation (D&E)	<input type="checkbox"/> 3
4 <input type="checkbox"/> Intra-Uterine Saline Instillation	<input type="checkbox"/> 4
5 <input type="checkbox"/> Intra-Uterine Prostaglandin Instillation	<input type="checkbox"/> 5
6 <input type="checkbox"/> Hysterotomy	<input type="checkbox"/> 6
7 <input type="checkbox"/> Hysterectomy	<input type="checkbox"/> 7
8 <input type="checkbox"/> Other (Specify)	<input type="checkbox"/> 8
16. NAME OF ATTENDING PHYSICIAN (Type/Print)	
17. NAME OF PERSON COMPLETING REPORT (Type/Print)	

PERSON IN CHARGE OF
INSTITUTION OR ATTENDING
PHYSICIAN MUST FILE REPORT
WITHIN 10 DAYS AFTER
PROCEDURE WAS PERFORMED.

SEND TO:
HEALTH STATISTICS AND
INFORMATION
425 5TH AVENUE NORTH
4TH FLOOR, CORDELL HULL
NASHVILLE, TN 37247-5282

CERTIFICATE OF DIVORCE OR ANNULMENT

TENNESSEE DEPARTMENT OF HEALTH

CERTIFICATE OF DIVORCE OR ANNULMENT

THIS BECOMES A LEGAL RECORD WHEN PROPERLY EXECUTED AND FILED.



TYPE OR PRINT IN PERMANENT BLACK INK.

RULE DOCKET NO. _____

STATE FILE NUMBER _____

HUSBAND	1a. HUSBAND'S NAME (First, Middle, Last)			1b. SOCIAL SECURITY NUMBER		
	2a. RESIDENCE—STATE		2b. COUNTY		2c. CITY, TOWN, OR LOCATION	
	2d. STREET AND NUMBER			3. BIRTHPLACE (State or Foreign Country)		4. DATE OF BIRTH (Month, Day, Year)
	5a. WIFE'S NAME (First, Middle, Last)			5b. MAIDEN NAME		5c. SOCIAL SECURITY NUMBER
WIFE	6a. RESIDENCE—STATE		6b. COUNTY		6c. CITY, TOWN, OR LOCATION	
	6d. STREET AND NUMBER			7. BIRTHPLACE (State or Foreign Country)		8. DATE OF BIRTH (Month, Day, Year)
MARRIAGE	9a. PLACE OF THIS MARRIAGE—STATE (or Foreign Country)		9b. COUNTY		9c. DATE OF THIS MARRIAGE (Month, Day, Year)	10. DATE COUPLE LAST RESIDED IN SAME HOUSEHOLD (Month, Day, Year)
	11a. NUMBER OF CHILDREN EVER BORN ALIVE OF THIS MARRIAGE (Specify)		11b. CHILDREN UNDER 18 IN THIS FAMILY (Specify)	11c. NUMBER OF CHILDREN UNDER 18 WHOSE PHYSICAL CUSTODY WAS AWARDED TO: <input type="checkbox"/> No Children <input type="checkbox"/> Husband <input type="checkbox"/> Wife <input type="checkbox"/> Joint (Husband/Wife) <input type="checkbox"/> Other		
	12. PETITIONER 1 <input type="checkbox"/> Husband 2 <input type="checkbox"/> Wife 3 <input type="checkbox"/> Both 4 <input type="checkbox"/> Other (Specify)		13a. NAME OF PETITIONER'S ATTORNEY (Type/Print)		13b. ADDRESS (Street or R.F.D. No., City or Town, State, Zip)	
DECREE	14a. I CERTIFY THAT THE MARRIAGE OF THE ABOVE NAMED PERSONS WAS DISSOLVED ON: (Month, Day, Year)			14b. TYPE OF DECREE 1 <input type="checkbox"/> Absolute 2 <input type="checkbox"/> Limited 3 <input type="checkbox"/> Annulment		14c. WAS MAIDEN NAME OR PREVIOUS LEGAL SURNAME RESTORED? (Specify Name)
	14d. COUNTY OF DECREE		14e. TITLE OF COURT <input type="checkbox"/> Circuit 2 <input type="checkbox"/> Chancery 3 <input type="checkbox"/> General Sessions 4 <input type="checkbox"/> Probate 5 <input type="checkbox"/> Other (Specify)		14f. DATE OF RECORDING DECREE (Month, Day, Year)	
	14g. SIGNATURE OF CERTIFYING COURT OFFICIAL			14h. TITLE OF CERTIFYING COURT OFFICIAL		14i. DATE SIGNED BY CERTIFYING COURT OFFICIAL (Month, Day, Year)

DO NOT USE A SEAL ON THIS CERTIFICATE.

SIGNATURE MUST BE IN PERMANENT BLACK INK.

ALL ITEMS 1-18 MUST BE COMPLETED.

CONFIDENTIAL INFORMATION

HUSBAND	15. Race—American Indian, Black, White, etc. (Specify below)		16. Number of This Marriage First, Second, Etc. (Specify)		17. If Previously Married, Last Marriage Ended (Specify below)		18. Education—Specify Highest Grade Completed	
							Elementary or Secondary (0-12) College (1-4 or 5+)	
WIFE	15a.		16a.		17a. 1 <input type="checkbox"/> Not previously married 2 <input type="checkbox"/> By death 3 <input type="checkbox"/> By Divorce or Annulment		18a.	
	15b.		16b.		17b. 1 <input type="checkbox"/> Not previously married 2 <input type="checkbox"/> By death 3 <input type="checkbox"/> Divorce or Annulment		18b.	