

**TRANSACTIONS OF SOCIETY OF ACTUARIES
1970 REPORTS**

**III. AGE-ADJUSTED DEATH RATES FOR LEADING
CAUSES OF DEATH IN THE UNITED STATES**

TABLES 1 and 2 on the following pages show death rates per 100,000 from selected causes of death by year for the years 1950 through 1967 and update the tables shown on pages D461–D464 of Volume XIX of the *Transactions*. The rates are for all ages combined and are shown separately by sex for white persons in the United States (Table 1) and for nonwhite persons in the United States (Table 2). All rates are age-adjusted on the basis of the age distribution of the total population of the United States in the census of April 1, 1940.

The Committee on Mortality under Ordinary Insurances and Annuities is indebted to the Division of Vital Statistics, National Center for Health Statistics of the United States Department of Health, Education, and Welfare for having provided these data.

TABLE 1
DEATH RATES PER 100,000 AT ALL AGES* FROM SELECTED CAUSES
FOR WHITE PERSONS BY SEX, UNITED STATES, 1950-67

YEAR	MAJOR CARDIOVASCULAR-RENAL DISEASES						MALIGNANT NEOPLASMS
	Total	Diseases of Cardiovascular System				Chronic Nephritis, etc.	
		Total	Vascular Lesions	Diseases of Heart	General Arteriosclerosis		
Males							
1967	469.0	464.7	71.5	361.6	12.3	4.3	150.3
1966	480.2	475.6	73.6	369.8	13.2	4.6	148.9
1965	479.3	474.5	73.8	368.6	13.4	4.8	148.0
1964	479.2	474.1	74.6	367.7	13.1	5.0	145.6
1963†	490.5	485.2	77.6	375.7	13.8	5.2	143.8
1962†	484.5	479.1	77.4	370.3	13.7	5.5	142.0
1961	480.5	474.9	77.3	367.3	13.7	5.7	142.0
1960	493.2	487.3	80.3	375.4	14.7	5.9	141.6
1959	487.3	481.2	80.9	369.4	14.4	6.0	139.4
1958	495.1	488.2	82.9	373.7	14.9	6.9	138.2
1957	496.8	489.2	84.4	375.6	14.8	7.6	139.9
1956	488.8	481.1	82.1	370.2	14.7	7.8	139.1
1955	487.0	478.6	82.7	367.4	15.6	8.4	137.4
1954	480.4	471.3	82.0	362.2	14.8	9.0	136.0
1953	501.5	491.3	85.6	376.5	16.7	10.2	135.5
1952	501.9	490.4	86.4	374.7	16.8	11.5	133.7
1951	508.3	495.7	87.3	378.0	17.9	12.6	131.1
1950	514.1	499.9	87.0	381.1	18.4	14.2	130.9
Females							
1967	263.0	260.3	59.9	179.2	10.3	2.6	107.9
1966	272.0	269.1	62.0	185.2	10.9	2.9	107.6
1965	272.9	269.8	62.1	185.9	10.9	3.0	108.1
1964	276.1	272.9	63.3	187.9	11.1	3.3	107.6
1963†	283.7	280.3	65.9	192.3	11.4	3.4	107.3
1962†	283.3	279.8	66.5	191.6	11.5	3.5	107.4
1961	281.6	277.8	66.3	190.5	11.2	3.7	108.5
1960	291.5	287.6	68.7	197.1	11.7	3.9	109.5
1959	292.6	288.5	70.2	196.6	11.7	4.1	109.4
1958	301.6	296.9	72.5	202.4	11.9	4.8	110.6
1957	305.3	299.8	73.4	205.8	11.9	5.5	112.6
1956	301.9	296.2	72.3	203.5	11.9	5.7	113.2
1955	303.8	297.8	73.2	204.0	12.4	6.0	114.3
1954	303.2	296.4	73.5	202.6	12.1	6.9	115.1
1953	321.5	313.8	77.7	214.1	13.4	7.7	116.4
1952	325.1	316.7	78.4	215.7	13.9	8.4	117.6
1951	349.8	339.7	83.9	218.9	16.5	10.0	119.1
1950	339.0	328.0	79.7	223.6	14.3	11.0	119.4

* Age-adjusted on the basis of the age distribution of the total population of the United States in the census of April 1, 1940.

† United States, excluding New Jersey.

TABLE 1—Continued

DEATH RATES PER 100,000 AT ALL AGES* FROM SELECTED CAUSES
FOR WHITE PERSONS BY SEX, UNITED STATES, 1950-67

YEAR	ACCIDENTS			INFLUENZA AND PNEU- MONIA	DIABETES MELLITUS	CIRRHOSIS OF THE LIVER	TUBERCU- LOSIS, ALL FORMS
	Total	Motor Vehicle	Other				
Males							
1967	77.8	41.1	36.7	24.2	12.4	17.2	3.6
1966	78.5	41.9	36.6	27.1	12.3	16.8	4.2
1965	75.4	39.4	36.0	26.9	11.9	15.6	4.5
1964	73.4	38.1	35.3	25.9	11.8	15.0	4.8
1963†	72.4	36.7	35.6	30.7	11.9	14.7	5.4
1962†	70.7	34.9	35.7	26.5	11.8	14.6	5.6
1961	68.5	33.4	35.2	24.8	11.4	14.2	6.1
1960	70.6	34.0	36.5	31.0	11.6	14.4	6.8
1959	71.2	34.5	36.6	25.8	11.0	13.7	7.3
1958	71.1	34.3	36.7	27.7	11.1	13.7	8.0
1957	76.1	36.8	39.2	30.5	10.9	14.4	8.9
1956	77.8	38.5	39.4	23.5	10.9	13.4	9.3
1955	77.7	37.8	40.0	22.3	10.9	12.9	10.0
1954	75.9	35.4	40.6	21.2	10.9	12.8	11.1
1953	81.8	38.0	43.8	27.5	11.2	13.0	13.2
1952	83.2	38.4	44.8	24.8	11.5	13.0	16.6
1951	84.5	37.8	46.7	26.6	11.2	12.3	21.1
1950	81.0	35.9	45.0	27.1	11.3	11.6	23.3
Females							
1967	28.2	14.4	13.8	14.3	12.8	8.4	1.1
1966	28.7	14.7	14.0	16.4	13.0	7.9	1.2
1965	27.7	13.7	14.0	16.1	12.9	7.6	1.3
1964	27.3	13.6	13.7	15.7	12.9	7.3	1.4
1963†	26.7	12.6	14.1	19.0	13.3	7.2	1.6
1962†	26.2	12.0	14.2	16.7	13.1	6.8	1.8
1961	24.5	10.8	13.6	15.5	13.3	6.7	1.9
1960	25.4	11.1	14.4	19.0	13.7	6.6	2.2
1959	25.1	11.0	14.1	16.2	13.5	6.4	2.4
1958	25.1	10.8	14.3	17.2	13.6	6.3	2.6
1957	27.0	11.2	15.8	19.3	14.3	6.6	2.9
1956	27.4	11.5	15.8	15.1	14.0	6.5	3.2
1955	27.6	11.4	16.2	14.9	14.1	6.1	3.6
1954	27.1	10.6	16.6	13.9	14.5	6.0	4.1
1953	29.1	11.5	17.6	18.2	15.6	6.4	5.0
1952	30.6	11.6	19.0	16.9	15.8	6.2	6.8
1951	32.0	11.2	20.8	19.7	16.6	6.2	9.2
1950	30.6	10.6	20.0	18.9	16.4	5.8	10.2

* Age-adjusted on the basis of the age distribution of the total population of the United States in the census of April 1, 1940.

† United States, excluding New Jersey.

TABLE 2
DEATH RATES PER 100,000 AT ALL AGES* FROM SELECTED CAUSES
FOR NONWHITE PERSONS BY SEX, UNITED STATES, 1950-67

YEAR	MAJOR CARDIOVASCULAR-RENAL DISEASES						MALIGNANT NEOPLASMS
	Total	Diseases of Cardiovascular System				Chronic Nephritis, etc.	
		Total	Vascular Lesions	Diseases of Heart	General Arteriosclerosis		
Males							
1967	551.0	537.8	124.4	370.7	11.8	13.2	186.6
1966	575.6	561.5	131.5	385.5	13.2	14.1	182.3
1965	569.8	555.8	134.2	376.1	13.6	14.0	173.3
1964	565.3	550.8	131.1	375.2	13.6	14.5	170.1
1963†	584.7	569.6	135.7	387.0	14.7	15.2	168.7
1962†	569.4	554.7	133.4	376.4	15.0	14.7	159.1
1961	548.3	533.5	127.5	362.7	14.2	14.8	157.9
1960	564.0	547.8	135.2	368.3	15.5	16.1	154.8
1959	562.2	545.4	134.8	365.9	15.2	16.8	152.5
1958	582.1	563.4	141.2	377.1	16.0	18.7	146.4
1957	589.7	569.8	140.2	387.2	15.2	20.0	149.2
1956	568.2	547.2	134.3	372.7	14.8	21.0	145.0
1955	567.3	546.7	136.2	369.2	16.2	20.5	138.7
1954	567.4	542.7	136.0	367.0	15.5	24.7	140.6
1953	611.2	584.6	141.7	398.3	17.7	26.6	133.2
1952	621.4	588.6	143.9	402.8	17.1	32.9	130.7
1951	619.9	586.0	142.6	400.5	17.1	33.9	125.3
1950	633.7	595.4	144.0	407.5	18.0	38.3	125.8
Females							
1967	417.3	406.7	114.1	257.8	9.7	10.7	126.6
1966	437.8	427.4	120.3	270.5	11.4	10.4	127.0
1965	440.8	430.1	125.5	269.2	11.3	10.7	125.2
1964	450.2	438.5	125.8	276.4	11.8	11.6	124.0
1963†	466.8	455.3	131.7	286.9	12.4	11.5	124.4
1962†	463.2	451.2	132.2	283.0	12.1	12.0	124.7
1961	455.0	443.4	130.2	278.0	11.5	11.7	124.3
1960	467.1	453.8	134.4	283.3	12.3	13.2	125.0
1959	465.4	451.2	136.5	279.2	12.3	14.2	121.3
1958	492.4	476.2	139.4	297.5	13.7	16.3	125.3
1957	503.6	485.2	142.2	307.6	13.1	18.4	125.2
1956	490.8	471.8	139.1	298.7	12.5	19.0	127.8
1955	486.1	466.5	139.3	293.0	12.5	19.6	124.7
1954	489.4	469.0	142.0	292.1	12.6	20.4	125.9
1953	520.9	496.2	145.7	314.6	13.5	24.7	125.1
1952	538.6	509.6	149.9	323.0	13.1	29.1	126.8
1951	550.2	518.6	152.1	329.5	13.1	31.6	126.4
1950	570.8	534.7	153.4	342.9	13.7	36.1	131.0

* Age-adjusted on the basis of the age distribution of the total population of the United States in the census of April 1, 1940.

† United States, excluding New Jersey.

TABLE 2—Continued
 DEATH RATES PER 100,000 AT ALL AGES* FROM SELECTED CAUSES
 FOR NONWHITE PERSONS BY SEX, UNITED STATES, 1950-67

YEAR	ACCIDENTS			INFLUENZA AND PNEU- MONIA	DIABETES MELLITUS	CIRRHOSIS OF THE LIVER	TUBERCU- LOSIS, ALL FORMS
	Total	Motor Vehicle	Other				
Males							
1967	114.7	49.4	65.3	47.6	18.5	27.2	15.4
1966	116.4	50.1	66.2	55.2	18.3	26.6	16.3
1965	109.3	46.4	63.0	52.3	18.1	23.3	16.0
1964	105.2	44.2	61.0	51.2	17.6	19.6	17.0
1963†	103.4	42.7	60.8	66.6	16.6	17.1	18.8
1962†	100.5	40.3	60.2	52.1	16.1	16.8	19.2
1961	95.1	38.0	57.1	49.6	14.9	15.9	19.9
1960	101.1	39.5	61.6	68.0	16.1	14.9	21.4
1959	100.2	40.5	59.7	53.6	14.1	13.7	22.6
1958	100.2	40.4	59.7	61.4	13.0	12.5	26.5
1957	106.5	43.5	63.0	65.0	12.5	13.4	27.6
1956	109.7	47.9	61.7	49.1	11.7	11.8	29.5
1955	106.5	45.1	61.5	50.8	11.2	10.3	32.1
1954	104.6	42.6	62.0	49.1	11.3	9.8	35.8
1953	116.2	47.8	68.4	68.6	11.3	10.0	45.8
1952	118.2	46.9	71.4	60.6	11.5	10.6	59.6
1951	114.1	45.2	68.8	62.3	11.8	9.9	73.6
1950	107.1	41.2	66.0	63.4	11.8	9.0	81.8
Females							
1967	35.9	14.6	21.3	26.6	29.7	15.0	5.5
1966	39.1	15.0	24.1	32.8	30.5	15.0	6.0
1965	35.8	13.7	22.1	32.3	28.6	13.4	6.4
1964	34.9	12.5	22.5	31.4	29.0	11.3	6.7
1963†	36.1	11.8	24.3	45.1	29.1	11.0	7.3
1962†	35.4	11.4	24.0	35.4	27.1	11.0	8.1
1961	33.9	11.0	23.0	30.5	26.7	9.9	8.5
1960	36.1	10.6	25.5	43.3	26.8	9.1	9.3
1959	34.6	10.8	23.8	35.2	24.2	9.1	10.9
1958	35.8	10.2	25.6	39.0	24.3	7.4	11.9
1957	38.4	12.5	25.9	46.4	23.6	8.4	12.8
1956	37.3	12.5	24.8	34.6	22.2	7.8	14.8
1955	38.5	12.6	25.8	33.9	21.6	6.8	16.5
1954	37.8	11.8	26.0	33.8	21.2	6.5	19.1
1953	39.8	12.3	27.5	49.1	22.9	6.3	23.9
1952	41.6	12.4	29.2	44.0	21.5	5.7	32.7
1951	41.0	12.5	28.6	47.2	21.3	6.3	42.8
1950	38.8	11.1	27.7	50.6	22.6	5.9	53.2

* Age-adjusted on the basis of the age distribution of the total population of the United States in the census of April 1, 1940.

† United States, excluding New Jersey.