

**TABLE 5-1. Deaths, maternal deaths, infant deaths, neonatal deaths and fetal deaths, U.S., 1945-2016<sup>1</sup>**

Year	Deaths		Maternal deaths <sup>3</sup>		Infant deaths <sup>5</sup>		Neonatal deaths <sup>7</sup>		Fetal deaths <sup>8</sup>	
	Number	Rate <sup>2</sup>	Number	Rate <sup>4</sup>	Number	Rate <sup>6</sup>	Number	Rate <sup>6</sup>	Number	Ratio <sup>6</sup>
1945 .....	1,401,719	10.6	5,668	207.2	104,684	38.3	66,593	24.3	65,513	23.9
1946 .....	1,395,617	10.0	5,153	156.7	111,063	33.8	79,079	24.0	74,849	22.8
1947 .....	1,445,370	10.1	4,978	134.5	119,173	32.2	84,296	22.8	77,917	21.1
1948 .....	1,444,337	9.9	4,122	116.6	113,169	32.0	78,426	22.2	72,838	20.6
1949 .....	1,443,607	9.7	3,216	90.3	111,531	31.3	76,326	21.4	70,584	19.8
1950 .....	1,452,454	9.6	2,960	83.3	103,825	29.2	72,855	20.5	68,262	19.2
1951 .....	1,482,099	9.7	2,812	75.0	106,702	28.4	75,192	20.0	70,569	18.8
1952 .....	1,496,838	9.6	2,610	67.8	109,413	28.4	76,253	19.8	70,447	18.3
1953 .....	1,517,541	9.6	2,385	61.1	108,405	27.8	76,332	19.6	69,393	17.8
1954 .....	1,481,091	9.2	2,105	52.4	106,791	26.6	76,724	19.1	70,109	17.5
1955 .....	1,528,717	9.3	1,901	47.0	106,903	26.4	77,351	19.1	69,153	17.1
1956 .....	1,564,476	9.4	1,702	40.9	108,183	26.0	78,659	18.9	68,659	16.5
1957 .....	1,633,128	9.6	1,746	41.0	112,094	26.3	81,088	19.1	69,561	16.3
1958 .....	1,647,886	9.5	1,581	37.6	113,789	27.1	81,798	19.5	69,355	16.5
1959 .....	1,656,814	9.4	1,588	37.4	112,008	26.4	80,778	19.0	68,613	16.2
1960 .....	1,711,982	9.5	1,579	37.1	110,873	26.0	79,733	18.7	68,480	16.1
1961 .....	1,701,522	9.3	1,573	36.9	107,956	25.3	78,482	18.4	68,767	16.1
1962 .....	1,756,720	9.5	1,465	35.2	105,479	25.3	76,346	18.3	66,421	15.9
1963 .....	1,813,549	9.6	1,466	35.8	103,390	25.2	74,648	18.2	64,640	15.8
1964 .....	1,798,051	9.4	1,343	33.3	99,783	24.8	72,026	17.9	65,931	16.4
1965 .....	1,828,136	9.4	1,189	31.6	92,866	24.7	66,419	17.7	60,859	16.2
1966 .....	1,863,149	9.5	1,049	29.1	85,516	23.7	61,941	17.2	56,637	15.7
1967 .....	1,851,323	9.4	987	28.0	79,028	22.4	58,127	16.5	54,934	15.6
1968 .....	1,930,082	9.7	859	24.5	76,263	21.8	56,456	16.1	55,293	15.8
1969 .....	1,921,990	9.5	801	22.2	75,073	20.9	56,085	15.6	50,749	14.1
1970 .....	1,921,031	9.5	803	21.5	74,667	20.0	56,279	15.1	52,961	14.2
1971 .....	1,927,542	9.3	668	18.8	67,981	19.1	50,496	14.2	47,818	13.4
1972 .....	1,963,944	9.4	612	18.8	60,182	18.5	44,432	13.6	41,380	12.7
1973 .....	1,973,003	9.3	477	15.2	55,581	17.7	40,664	13.0	38,309	12.2
1974 .....	1,934,388	9.1	462	14.6	52,776	16.7	38,738	12.3	36,281	11.5
1975 .....	1,892,879	8.8	403	12.8	50,525	16.1	36,416	11.6	33,796	10.7
1976 .....	1,909,440	8.8	390	12.3	48,265	15.2	34,587	10.9	33,111	10.5
1977 .....	1,899,597	8.6	373	11.2	46,975	14.1	32,860	9.9	33,052	9.9
1978 .....	1,927,788	8.7	321	9.6	45,945	13.8	31,618	9.5	32,301	9.7
1979 .....	1,913,841	8.5	336	9.6	45,665	13.1	30,980	8.9	32,969	9.4
1980 .....	1,989,841	8.8	334	9.2	45,526	12.6	30,618	8.5	33,353	9.2
1981 .....	1,977,981	8.6	309	8.5	43,305	11.9	28,000	7.8	32,596	9.0
1982 .....	1,974,797	8.5	292	7.9	42,401	11.5	28,000	7.6	32,694	8.9
1983 .....	2,019,201	8.6	290	8.0	40,627	11.2	26,507	7.3	30,752	8.5
1984 .....	2,039,369	8.6	285	7.8	39,580	10.8	25,691	7.0	30,099	8.2
1985 .....	2,086,440	8.7	295	7.8	40,030	10.6	26,179	7.0	29,661	7.9
1986 .....	2,105,361	8.7	272	7.2	38,891	10.4	25,212	6.7	28,972	7.7
1987 .....	2,123,323	8.7	251	6.6	38,380	10.0	24,940	6.5	29,349	7.7
1988 .....	2,167,999	8.8	330	8.4	38,910	10.0	24,690	6.3	29,442	7.5
1989 .....	2,150,466	8.7	320	7.9	39,655	9.8	24,800	6.2	30,469	7.5
1990 .....	2,148,463	8.6	343	8.2	38,351	9.2	23,920	5.8	31,386	7.5
1991 .....	2,169,518	8.6	323	7.9	36,766	8.9	22,978	5.6	30,160	7.3
1992 .....	2,175,613	8.5	318	7.8	34,628	8.5	21,849	5.4	30,256	7.4

See footnotes at end of table.

**TABLE 5-1. Deaths, maternal deaths, infant deaths, neonatal deaths and fetal deaths, U.S., 1945-2016<sup>1</sup> — Continued**

Year	Deaths		Maternal deaths <sup>3</sup>		Infant deaths <sup>5</sup>		Neonatal deaths <sup>7</sup>		Fetal deaths <sup>8</sup>	
	Number	Rate <sup>2</sup>	Number	Rate <sup>4</sup>	Number	Rate <sup>6</sup>	Number	Rate <sup>6</sup>	Number	Ratio <sup>6</sup>
1993 .....	2,268,553	8.8	302	8.0	33,466	8.0	21,174	5.0	28,766	7.0
1994 .....	2,278,994	8.8	328	8.3	31,710	8.0	20,250	5.1	27,937	7.1
1995 .....	2,312,132	8.8	277	7.1	29,583	7.6	19,155	4.9	27,294	7.0
1996 .....	2,314,690	8.7	294	7.6	28,487	7.3	18,572	4.8	27,069	7.0
1997 .....	2,314,245	8.7	327	8.4	28,045	7.2	18,524	4.8	26,486	6.8
1998 .....	2,338,070	8.7	281	7.1	28,496	7.2	18,832	4.8	26,702	6.7
1999 .....	2,391,399	8.8	406	9.9	27,937	7.1	18,728	4.7	26,884	6.7
2000 .....	2,403,351	8.7	404	9.8	28,035	6.9	18,776	4.6	27,003	6.6
2001 .....	2,416,425	8.5	416	9.9	27,568	6.8	18,265	4.5	26,373	6.5
2002 .....	2,443,387	8.5	379	9.4	28,034	7.0	18,747	4.7	25,943	6.4
2003 .....	2,448,288	8.4	495	12.1	28,025	6.9	18,893	4.6	25,653	6.2
2004 .....	2,397,615	8.2	540	13.1	27,936	6.8	18,593	4.5	25,655	6.2
2005 .....	2,448,017	8.3	623	15.1	28,440	6.9	18,770	4.5	25,894	6.2
2006 .....	2,426,264	8.1	760	17.8	28,527	6.7	18,989	4.5	25,972	6.1
2007 .....	2,423,712	8.0	769	17.8	29,138	6.8	19,058	4.4	26,593	6.1
2008 .....	2,471,984	8.1	795	18.7	28,059	6.6	18,211	4.3	26,335	6.2
2009 .....	2,437,163	7.9	960	23.2	26,412	6.4	17,255	4.2	24,872	6.0
2010 .....	2,468,435	8.0	825	20.6	24,586	6.1	16,188	4.0	24,258	6.0
2011 .....	2,515,458	8.0	931	23.5	23,985	6.1	16,035	4.1	24,289	6.1
2012 .....	2,543,279	8.1	990	25.1	23,629	6.0	15,850	4.0	24,073	6.1
2013 .....	2,596,993	8.2	1,138	28.9	23,440	6.0	15,867	4.0	23,595	6.0
2014 .....	2,626,418	8.2	1,123	28.2	23,215	5.8	15,720	3.9	23,893	6.0
2015 .....	2,712,630	8.4	1,140	28.7	23,455	5.9	15,652	3.9	23,703	6.0
2016 .....	2,744,248	8.5	1,231	31.2	23,161	5.9	15,282	3.9	23,880	6.1

<sup>1</sup> Most recent year for which final U.S. data available.

<sup>2</sup> Per 1,000 population.

<sup>3</sup> Prior to 2006, maternal deaths only included deaths that occurred during pregnancy or within 42 days of delivery. Since 2006, maternal deaths include deaths that occurred during pregnancy or within one year of delivery.

<sup>4</sup> Per 100,000 live births.

<sup>5</sup> Infant deaths occur in the first year of life.

<sup>6</sup> Per 1,000 live births.

<sup>7</sup> Neonatal deaths occur within the first 27 days of life.

<sup>8</sup> Includes fetuses with gestation of at least 20 weeks.

SOURCES: Vital Statistics of the United States, vols. 1-3 lists historical data. Recent data are available from the National Center for Health Statistics (NCHS) web site ([www.cdc.gov/nchs](http://www.cdc.gov/nchs)).