

Underlying Cause of Death, 1999-2020 Results

Deaths occurring through 2020

Year	Gender	Deaths	Population	Crude Rate Per 100,000
1999	Female	106	80,107,183	0.1
	Male	215	80,401,750	0.3
	Total	321	160,508,933	0.2
2000	Female	105	80,757,719	0.1
	Male	231	81,144,375	0.3
	Total	336	161,902,094	0.2
2001	Female	87	81,842,400	0.1
	Male	225	82,280,712	0.3
	Total	312	164,123,112	0.2
2002	Female	107	82,213,961	0.1
	Male	270	82,622,663	0.3
	Total	377	164,836,624	0.2
2003	Female	135	82,664,834	0.2
	Male	276	82,941,975	0.3
	Total	411	165,606,809	0.2
2004	Female	125	83,153,522	0.2
	Male	225	83,491,351	0.3
	Total	350	166,644,873	0.2
2005	Female	130	83,685,165	0.2
	Male	242	84,021,093	0.3
	Total	372	167,706,258	0.2
2006	Female	108	84,201,603	0.1
	Male	284	84,567,380	0.3
	Total	392	168,768,983	0.2
2007	Female	124	84,630,046	0.1
	Male	271	84,965,401	0.3
	Total	395	169,595,447	0.2
2008	Female	132	84,957,394	0.2
	Male	253	85,294,504	0.3
	Total	385	170,251,898	0.2
2009	Female	102	85,170,878	0.1
	Male	264	85,484,295	0.3
	Total	366	170,655,173	0.2
2010	Female	135	85,239,321	0.2
	Male	293	85,528,291	0.3
	Total	428	170,767,612	0.3
2011	Female	73	85,216,004	0.1
	Male	176	85,718,526	0.2
	Total	249	170,934,530	0.1
2012	Female	66	85,206,798	0.1
	Male	145	85,831,586	0.2
	Total	211	171,038,384	0.1
2013	Female	69	85,138,220	0.1
	Male	157	85,880,991	0.2
	Total	226	171,019,211	0.1
2014	Female	72	85,390,372	0.1
	Male	135	86,077,937	0.2
	Total	207	171,468,309	0.1
2015	Female	77	85,496,150	0.1
	Male	161	86,267,212	0.2
	Total	238	171,763,362	0.1
2016	Female	78	85,293,554	0.1
	Male	184	86,151,551	0.2
	Total	262	171,445,105	0.2
2017	Female	67	85,426,838	0.1
	Male	151	86,416,451	0.2
	Total	218	171,843,289	0.1

Year	Gender	Deaths	Population	Crude Rate Per 100,000
2018	Female	69	85,262,195	0.1
	Male	139	86,315,966	0.2
	Total	208	171,578,161	0.1
2019	Female	80	85,028,292	0.1
	Male	141	86,133,585	0.2
	Total	221	171,161,877	0.1
2020	Female	69	84,985,273	0.1
	Male	153	86,142,382	0.2
	Total	222	171,127,655	0.1
Total		6,707	3,714,747,699	0.2

Notes:

Caveats: As of April 3, 2017, the underlying cause of death has been revised for 125 deaths in 2014. [More information.](#)
(/wonder/help/ucd.html#2014-Revision)

Circumstances in Georgia for the years 2008 and 2009 have resulted in unusually high death counts for the ICD-10 cause of death code R99, "Other ill-defined and unspecified causes of mortality." Caution should be used in interpreting these data. [More information.](#) (/wonder/help/ucd.html#Georgia-Reporting-Anomalies)

Circumstances in New Jersey for the year 2009 have resulted in unusually high death counts for the ICD-10 cause of death code R99, "Other ill-defined and unspecified causes of mortality" and therefore unusually low death counts in other ICD-10 codes, most notably R95, "Sudden Infant Death Syndrome" and X40-X49, "Unintentional poisoning." Caution should be used in interpreting these data. [More information.](#) (/wonder/help/ucd.html#New-Jersey-Reporting-Anomalies)

Circumstances in California resulted in unusually high death counts for the ICD-10 cause of death code R99, "Other ill-defined and unspecified causes of mortality" for deaths occurring in years 2000 and 2001. Caution should be used in interpreting these data. [More information.](#) (/wonder/help/ucd.html#California-Reporting-Anomalies)

Deaths of persons with Age "Not Stated" are included in "All" counts and rates, but are not distributed among age groups, so are not included in age-specific counts, age-specific rates or in any age-adjusted rates. [More information.](#)
(/wonder/help/ucd.html#Not Stated)

The population figures for year 2020 are bridged-race estimates of the July 1 resident population, from the Vintage 2020 postcensal series released by NCHS on September 22, 2021. The population figures for year 2019 are bridged-race estimates of the July 1 resident population, from the Vintage 2019 postcensal series released by NCHS on July 9, 2020. The population figures for year 2018 are bridged-race estimates of the July 1 resident population, from the Vintage 2018 postcensal series released by NCHS on June 25, 2019. The population figures for year 2017 are bridged-race estimates of the July 1 resident population, from the Vintage 2017 postcensal series released by NCHS on June 27, 2018. The population figures for year 2016 are bridged-race estimates of the July 1 resident population, from the Vintage 2016 postcensal series released by NCHS on June 26, 2017. The population figures for year 2015 are bridged-race estimates of the July 1 resident population, from the Vintage 2015 postcensal series released by NCHS on June 28, 2016. The population figures for year 2014 are bridged-race estimates of the July 1 resident population, from the Vintage 2014 postcensal series released by NCHS on June 30, 2015. The population figures for year 2013 are bridged-race estimates of the July 1 resident population, from the Vintage 2013 postcensal series released by NCHS on June 26, 2014. The population figures for year 2012 are bridged-race estimates of the July 1 resident population, from the Vintage 2012 postcensal series released by NCHS on June 13, 2013. The population figures for year 2011 are bridged-race estimates of the July 1 resident population, from the Vintage 2011 postcensal series released by NCHS on July 18, 2012. Population figures for 2010 are April 1 Census counts. The population figures for years 2001 - 2009 are bridged-race estimates of the July 1 resident population, from the revised intercensal county-level 2000 - 2009 series released by NCHS on October 26, 2012. Population figures for 2000 are April 1 Census counts. Population figures for 1999 are from the 1990-1999 intercensal series of July 1 estimates. Population figures for the infant age groups are the number of live births.
Note: Rates and population figures for years 2001 - 2009 differ slightly from previously published reports, due to use of the population estimates which were available at the time of release.

Changes to cause of death classification affect reporting trends. [More information.](#) (/wonder/help/ucd.html#ICD-10 Changes)

Help: See [Underlying Cause of Death, 1999-2020 Documentation](#) (/wonder/help/ucd.html) for more information.

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Suggested Citation:

Centers for Disease Control and Prevention, National Center for Health Statistics. National Vital Statistics System, Mortality 1999-2020 on CDC WONDER Online Database, released in 2021. Data are from the Multiple Cause of Death Files, 1999-2020, as compiled from data provided by the 57 vital statistics jurisdictions through the Vital Statistics Cooperative Program. Accessed at <http://wonder.cdc.gov/ucd-icd10.html> on Jun 7, 2023 10:40:56 PM

Query Criteria:

ICD-10 Codes: I46.1 (Sudden cardiac death, so described)
Ten-Year Age Groups: 15-24 years; 25-34 years; 35-44 years; 45-54 years
Group By: Year; Gender
Show Totals: True
Show Zero Values: False
Show Suppressed: False
Calculate Rates Per: 100,000
Rate Options: Default intercensal populations for years 2001-2009 (except Infant Age Groups)