

United States, Data Sources

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(For more details, please refer to mortality.org/hmd/USA/InputDB/USArefer.pdf)

POPULATION ESTIMATES

2020 – 2021: U.S. Census Bureau, Population Estimates and Projection, National Population by Characteristics 2020-2021, Annual estimates of the resident population by single year of age and sex for the United States: April 1, 2020 to July 1, 2021 (NC-EST2021-AGESEX-RES) (<https://www2.census.gov/programs-surveys/popest/datasets/2020-2021/national/asrh/nc-est2021-agesex-res.csv>, retrieved 19-April-2022). (refcode,305)

2010 - 2019: U.S. Census Bureau, Population Estimates and Projection, Annual estimates of the resident population by single year of age and sex for the United States. (refcode, 294 & 297)

2010 - 2017: U.S. Census Bureau, Population Estimates and Projection, Annual estimates of the resident population by single year of age and sex for the United States: April 1, 2010 to July 1, 2017 (NC-EST2017-AGESEX-RES) (<https://www.census.gov/data/datasets/2017/demo/popest/nation-detail.html>, retrieved 1-May-2018) (refcode, 290)

2000 - 2009: U.S. Census Bureau, Population Estimates and Projection, Intercensal estimates of the resident population by single year of age, sex, race, and Hispanic origin for the United States: April 1, 2000 to July 1, 2010 (<https://www.census.gov/data/datasets/time-series/demo/popest/intercensal-2000-2010-national.html>, retrieved 1-May-2018) (refcode, 289)

1990 - 2000: U.S. Census Bureau, Population Estimates and Projection, Intercensal estimates of the United States resident population by age and sex, 1990-2000: Selected months (<https://www.census.gov/data/datasets/time-series/demo/popest/intercensal-1990-2000-national.html>, retrieved 1-May-2018) (refcode, 288)

1980 - 1990: U.S. Census Bureau, Population Estimates and Projection, Quarterly Intercensal Resident Population; Annual Estimates of the Resident Population by Single Year of Age and Sex for the United States (refcode, 287)

U.S. Census Bureau, United States Department of Commerce. U.S. Population Estimates by Age, Sex, Race, and Hispanic Origin: 1980 to 1999. Retrieved February 2002 (<http://www.census.gov>). (refcode 231)

1970-1979: U.S. Department of Commerce. Bureau of the Census. (1982). Population Estimates and Projections Series P-25, No.917. Preliminary Estimates of the population of the US, by Age, Sex, and Race: 1970 to 1981, Table 2. (refcode 171)

1960-1969: Population estimates have been computed by Kirill Andreev. Population published in [1] has been adjusted by excluding Armed Forces Overseas based on data published in [2].

1. U.S. Department of Commerce. Bureau of Census. POPULATION - U. S. POPULATION ESTIMATES BY AGE, SEX, AND RACE: 1900-1979 (PE-11). DSK.POP00/79-PE11.

2. Department of Commerce, Bureau of the Census. Current Population Reports. Population Estimates. Series P-25, No. 519. Estimates of the population of the United States, by Age, Sex, and Race: April 1, 1960 to July 1, 1973. 1974 Apr. (refcode 125)

1959: Population estimates have been computed by Kirill Andreev. Population published in [1] has been adjusted by excluding Armed Forces Overseas based on data published in [2].
1. U.S. Department of Commerce. Bureau of Census. POPULATION - U. S. POPULATION ESTIMATES BY AGE, SEX, AND RACE: 1900-1979 (PE-11). DSK.POP00/79-PE11.
2. U.S. Department of Commerce, Bureau of the Census. Current Population Reports. Population Estimates. Series P-25, No. 310. Estimates of the population of the United States, by Age, Sex, and Race: 1950 to 1960. 1965 Jun 30. *(refcode 85)*

1950-1958: Population estimates have been computed by Kirill Andreev. Population published in [1] has been adjusted by excluding Armed Forces Overseas and population of Alaska and Hawaii based on data published in [2].
1. U.S. Department of Commerce. Bureau of Census. POPULATION - U. S. POPULATION ESTIMATES BY AGE, SEX, AND RACE: 1900-1979 (PE-11). DSK.POP00/79-PE11
2. U.S. Department of Commerce, Bureau of the Census. Current Population Reports. Population Estimates. Series P-25, No. 310. Estimates of the population of the United States, by Age, Sex, and Race: 1950 to 1960. 1965 Jun 30. *(refcode 71)*

1940-1949: Population estimates have been computed by Kirill Andreev. Population published in [1] has been adjusted by excluding Armed Forces Overseas based on data published in [2].
1. U.S. Department of Commerce. Bureau of Census. POPULATION - U. S. POPULATION ESTIMATES BY AGE, SEX, AND RACE: 1900-1979 (PE-11). DSK.POP00/79-PE11
2. U.S. Department of Commerce, Bureau of the Census. Current Population Reports. Population Estimates. Series P-25, No. 98. Estimates of the Population of the United States and of the Components of change by Age, Color and Sex: 1940 to 1950. 1954 Aug 13." *(refcode 45)*

1933-1939: U.S. Department of Commerce. Bureau of Census. POPULATION - U. S. POPULATION ESTIMATES BY AGE, SEX, AND RACE: 1900-1979 (PE-11). DSK.POP00/79-PE11 *(refcode 19)*

BIRTHS

2010 - 2021: National Center for Health Statistics, United States. Birth Data Public Use File, (Retrieved at https://www.cdc.gov/nchs/data_access/vitalstatsonline.htm). *(refcode 259, 263, 265, 269, 275, 282 & 284, 291, 295, 300, 304, 307)*

2007 - 2009: Martin, Joyce A.; Hamilton, Brady E.; Sutton, Paul D.; Ventura, Stephanie J.; Mathews, T.J.; Kirmeyer, Sharon; Osterman, Michelle J.K. Births: Final data for 2007. National Vital Statistics Reports. National Center for Health Statistics. *(refcode 249, 251 & 255)*

2006: Martin, Joyce A.; Hamilton, Brady E.; Sutton, Paul D.; Ventura, Stephanie J.; Menacker, Fay; Kirmeyer, Sharon; Munson, Martha L. Births: Final data for 2006. National Vital Statistics Reports. National Center for Health Statistics. 2009 *(refcode 2007)*

2000-2005: Martin, Joyce A.; Hamilton, Brady E.; Sutton, Paul D.; Ventura, Stephanie J.; Menacker, Fay; Kirmeyer, Sharon; Munson, Martha L. Births: Final data for 2000-2005. National Vital Statistics Reports. National Center for Health Statistics. 2002-2007 *(refcode: 235, 237, 239, 243, & 245)*

1995-1999: Ventura, Stephanie J., Martin, Joyce A., Curtin, Sally C., and Mathews, T.J.

(1997-2001). Report of Final Natality Statistics, 1995-1999. Monthly Vital Statistics Report, Supplement. Volume 45, Number 11. Hyattsville, Maryland: National Center for Health Statistics. (refcode: 221, 223, 225, 227, & 229)

1994: Ventura, Stephanie J., Martin, Joyce A., Mathews, T.J., and Clarke, Sally C. (1996). Advance Report of Final Natality Statistics, 1994. Monthly Vital Statistics Report, Supplement. Volume 44, Number 11. Hyattsville, Maryland: National Center for Health Statistics. (refcode: 219)

1933-1993: National Center for Health Statistics, U.S. Department of Health and Human Services. (1909-1999). In: Vital Statistics of the United States. Natality. (refcode: 17, 23, 75, 87, 91, 95, 99, 103, 107, 111, 115, 121, 127, 131, 135, 139, 143, 147, 151, 155, 159, 163, 167, 171, 173, 181, 185, 189, 193, 197, 201, 205, 209, 211, 213, 215, 217)

DEATHS

2000 - 2021: National Center for Health Statistics, United States. Mortality Multiple Cause of Death. Retrieved at https://www.cdc.gov/nchs/data_access/vitalstatsonline.htm (refcode: 236, 238, 240, 242, 244, 246, 248, 250, 260, 263, 264, 266, 270, 277, 278, 280, 281, 286 & 292, 293, 298, 299, 301, 303, 306)

1999: National Center for Health Statistics, USA. Underlying and Multiple Cause of Death Data File, 1999 (ICD-10). (refcode: 230)

1989-1998: National Center for Health Statistics, USA. Multiple Cause of Death for ICD-9 1989 Data. (refcode: 212, 214, 216, 218, 220, 222, 224, 226, 228)

1988: National Center for Health Statistics, USA. Mortality Detail Files, Volume VII, 1988. Inter-University Consortium For Political And Social Research (ICPSR Study 7632). Retrieved September 2001 (<http://www.icpsr.umich.edu>). (refcode: 207)

1976-1987: National Center for Health Statistics, USA. Mortality Detail FilesI, 1976-1987. Inter-University Consortium For Political And Social Research (ICPSR Study 7632). Retrieved September 2001 (<http://www.icpsr.umich.edu>). (refcode: 157, 161, 165, 169, 175, 179, 183, 187, 191, 195, 199, & 203)

1968-1975: National Center for Health Statistics, USA. (1985). Mortality Detail Files, 1968-1978. Inter-University Consortium For Political And Social Research (ICPSR Study 7632). Retrieved September 2001 (<http://www.icpsr.umich.edu>). (refcode: 123, 129, 133, 137, 141, 145, 149, & 153)

1959-1967: National Center for Health Statistics, USA. Mortality Detail File, 1959-1967. (refcode: 79, 89, 91, 93, 95, 97, 101, 105, 109, 113 & 117)

1953-1958: U.S. Department of Health, Education, and Welfare. Public Health Service. (1955). Volume II, Table 51 (Ages 0-85) and Volume I, Table B (Ages 85 and above) In: Vital Statistics of the United States, 1953. Volume I. (refcode: 57, 59, 63, 65, 67 & 69)

1951-1952: U.S. Department of Health, Education, and Welfare. Public Health Service. (1955). Volume II, Table 50 (Ages 0-85) and Volume I, Table B (Ages 85 and above) In: Vital Statistics of the United States, 1952. Volume I. (refcode: 53 & 55)

1950: U.S. Department of Health, Education, and Welfare. Public Health Service. (1954). Volume III, Table 52. In: Vital Statistics of the United States, 1950. Volume III. (refcode: 49)

1945-1949: U.S. Federal Security Agency. Public Health Service. (1947). Part I, In: Vital Statistics of the United States, 1945. Part I. *(refcode: 35, 37, 39, 41, & 46)*

1937-1944: U.S. Department of Commerce. Bureau of the Census. (1946). Part I. In: Vital Statistics of the United States, 1944. Part I. *(refcode: 11, 13, 15, 25, 27, 29, 31, & 33)*

1933-1936: U.S. Department of Commerce. Bureau of the Census. (1936-1938). Annual report, In: Mortality Statistics, 1933-1936. *(refcode: 1, 5, 7, & 9)*

TERRITORIAL ADJUSTMENT FACTORS

For 1959 Vx factors have been computed on basis of census 1960 data. *(refcode: 81)*

Rb factors were computed directly from series of births for United States (50 states + D.C.), Alaska and Hawaii. *(refcode: 83)*