

Table 13 (page 1 of 3). Infant mortality rates, by race and Hispanic origin of mother, state, and territory: United States and U.S. dependent areas, average annual 1989–1991, 2003–2005, and 2010–2012

Updated data when available, Excel, and PDF: <http://www.cdc.gov/nchs/hus/contents2014.htm#013>.

[Data are based on linked birth and death certificates for infants]

State and territory	Not Hispanic or Latina								
	All races			White			Black or African American		
	1989–1991 ¹	2003–2005 ²	2010–2012 ²	1989–1991 ¹	2003–2005 ²	2010–2012 ²	1989–1991 ¹	2003–2005 ²	2010–2012 ²
	Infant ³ deaths per 1,000 live births								
United States ⁴	9.0	6.8	6.1	7.3	5.7	5.1	17.2	13.6	11.4
Alabama	11.4	9.0	8.6	8.6	6.8	6.8	16.8	13.6	13.3
Alaska	9.2	6.5	4.2	7.2	5.3	3.2	*	*	*
Arizona	8.8	6.7	5.9	8.2	6.0	4.9	17.3	11.2	10.4
Arkansas	9.8	8.3	7.2	8.1	7.2	6.5	15.2	13.6	10.5
California	7.6	5.2	4.7	6.9	4.6	3.9	15.4	11.4	9.1
Colorado	8.7	6.3	5.3	8.0	5.2	4.6	16.7	16.3	11.2
Connecticut	7.9	5.5	5.2	5.9	3.9	3.7	17.0	12.7	10.6
Delaware	11.2	9.0	8.0	8.2	6.5	6.4	20.1	16.8	12.2
District of Columbia	20.3	12.2	7.6	*8.2	*3.4	*3.0	23.9	17.2	11.2
Florida	9.4	7.2	6.4	7.2	5.8	5.0	16.2	12.9	11.1
Georgia	11.9	8.4	6.5	8.4	6.1	5.0	17.9	13.3	9.7
Hawaii	7.0	6.7	5.4	5.5	3.9	3.8	*13.6	*15.5	*
Idaho	8.9	6.1	5.1	8.9	6.1	4.8	*	*	*
Illinois	10.7	7.5	6.6	7.6	5.9	5.0	20.5	15.3	13.2
Indiana	9.4	7.9	7.3	8.4	7.1	6.6	17.3	15.1	12.7
Iowa	8.2	5.4	5.0	7.8	5.1	4.7	15.8	*11.0	11.4
Kansas	8.5	7.1	6.2	7.8	6.7	5.5	15.4	14.3	12.9
Kentucky	8.7	6.8	6.8	8.1	6.4	6.5	14.4	10.9	10.0
Louisiana ⁵	10.2	9.8	8.0	7.5	7.1	5.9	14.3	13.9	11.5
Maine	6.6	5.9	6.3	6.2	5.8	6.2	*	*	*
Maryland	9.1	8.0	6.7	6.3	5.2	3.9	15.0	13.7	11.5
Massachusetts	7.0	4.9	4.3	5.9	4.0	3.5	14.2	10.0	6.4
Michigan	10.5	8.0	6.9	7.7	6.2	5.2	20.7	16.4	13.6
Minnesota	7.3	4.8	4.8	6.4	4.3	4.2	18.5	8.9	8.1
Mississippi	11.5	10.7	9.3	7.9	7.0	6.4	15.2	15.6	13.0
Missouri	9.7	7.6	6.5	8.0	6.6	5.5	18.0	13.8	12.1
Montana	9.0	6.3	6.0	8.0	5.7	5.6	*	*	*
Nebraska	8.1	5.9	5.2	7.2	5.1	4.4	18.3	14.0	11.4
Nevada	8.6	5.9	5.4	7.8	5.6	5.1	16.9	12.2	9.0
New Hampshire ⁵	7.1	5.0	4.2	7.2	4.8	3.9	*	*	*
New Jersey	8.4	5.4	4.8	6.1	3.7	3.2	17.8	11.9	10.5
New Mexico	8.4	6.1	6.0	8.1	6.9	5.4	*17.2	*	*
New York	9.5	6.0	5.1	6.3	4.6	3.9	18.4	11.8	9.3
North Carolina	10.7	8.6	7.2	8.0	6.3	5.4	16.9	15.8	12.7
North Dakota	8.0	6.4	6.5	7.3	6.0	5.7	*	*	*
Ohio	9.0	7.8	7.7	7.7	6.4	6.5	16.2	15.6	13.9
Oklahoma ⁵	8.0	7.9	7.4	7.3	7.5	6.9	12.7	13.0	10.9
Oregon	8.0	5.7	5.0	7.4	5.5	4.6	21.3	*8.6	*8.7
Pennsylvania	9.2	7.3	6.9	7.2	5.8	5.4	19.1	13.6	12.7
Rhode Island	8.7	6.2	6.7	7.5	4.5	5.5	*13.6	*10.8	*11.9
South Carolina	11.8	9.0	7.4	8.4	6.4	5.2	17.2	14.2	12.1
South Dakota	9.5	7.2	7.2	7.5	6.2	5.8	*	*	*
Tennessee	10.2	8.9	7.5	7.8	7.0	6.4	18.2	16.3	12.3
Texas	7.9	6.5	5.9	6.9	5.9	5.2	14.1	12.4	10.7
Utah	7.0	4.9	5.1	6.8	4.5	4.8	*	*	*12.1
Vermont	6.6	5.4	4.5	6.3	5.3	4.5	*	*	*
Virginia	9.9	7.5	6.7	7.4	6.0	4.9	18.0	13.7	12.6
Washington	8.0	5.4	4.8	7.4	5.0	4.4	15.1	9.0	8.0
West Virginia	9.1	7.7	7.0	8.8	7.5	7.1	*15.7	*12.0	*9.8
Wisconsin	8.4	6.3	5.9	7.4	5.1	5.0	17.0	16.4	13.4
Wyoming	8.4	6.9	6.4	8.0	6.8	6.1	*	*	*
American Samoa ⁶	---	---	---	---	---	---	---	---	---
Guam ⁶	---	11.1	12.8	---	*	*	---	*	---
Northern Marianas ⁶	---	---	---	---	---	---	---	---	---
Puerto Rico ⁶	---	8.9	8.3	---	---	---	---	---	---
Virgin Islands ⁶	---	7.5	8.7	---	*	*	---	*	8.3

See footnotes at end of table.

Table 13 (page 2 of 3). Infant mortality rates, by race and Hispanic origin of mother, state, and territory: United States and U.S. dependent areas, average annual 1989–1991, 2003–2005, and 2010–2012

Updated data when available, Excel, and PDF: <http://www.cdc.gov/nchs/hus/contents2014.htm#013>.

[Data are based on linked birth and death certificates for infants]

State and territory	Hispanic or Latina ⁷			American Indian or Alaska Native ⁸			Asian or Pacific Islander ⁸		
	1989–1991 ¹	2003–2005 ²	2010–2012 ²	1989–1991 ¹	2003–2005 ²	2010–2012 ²	1989–1991 ¹	2003–2005 ²	2010–2012 ²
	Infant ³ deaths per 1,000 live births								
United States ⁴	7.5	5.6	5.2	12.6	8.4	8.3	6.6	4.8	4.2
Alabama	*	7.7	5.2	*	*	*	*	*	*
Alaska	*	*	*	15.7	9.2	*5.7	*	*	*
Arizona	8.0	6.7	6.0	11.4	8.3	8.8	*8.5	6.7	6.0
Arkansas	*	6.0	5.9	*	*	*	*	*	*
California	7.0	5.0	4.6	11.0	6.2	6.9	6.4	4.2	3.8
Colorado	8.5	7.0	5.5	*16.5	*	*	*7.8	*5.7	6.4
Connecticut	7.9	7.4	6.7	*	*	*	*	*	*3.3
Delaware	*	*6.1	*6.0	*	*	*	*	*	*
District of Columbia	*8.8	*7.2	*	*	*	*	*	*	*
Florida	7.1	5.2	4.9	*	*	*	*6.2	5.9	4.0
Georgia	9.0	5.5	4.4	*	*	*	*8.2	5.8	3.4
Hawaii	10.7	7.9	6.3	*	*	*	7.1	7.2	5.9
Idaho	*7.2	6.2	6.1	*	*	*	*	*	*
Illinois	9.2	6.2	5.6	*	*	*	6.0	4.5	5.3
Indiana	*7.2	6.8	6.6	*	*	*	*	*	*4.7
Iowa	*11.9	*5.2	*3.7	*	*	*	*	*	*
Kansas	8.7	6.2	7.1	*	*	*	*	*5.6	*
Kentucky	*	7.6	6.6	*	*	*	*	*	*
Louisiana ⁹	---	*5.7	*4.2	*	*	*	*	*	*6.4
Maine	*	*	*	*	*	*	*	*	*
Maryland	7.2	5.8	5.2	*	*	*	7.5	4.3	4.3
Massachusetts	8.3	6.5	6.0	*	*	*	5.7	3.8	3.9
Michigan	7.9	7.6	5.6	*10.7	*	*12.2	*6.1	5.1	*4.0
Minnesota	*8.4	4.3	5.1	17.3	*8.6	*10.8	*5.1	3.8	3.8
Mississippi	*	*	*	*	*	*	*	*	*
Missouri	*9.1	6.6	6.4	*	*	*	*9.1	*6.1	*4.0
Montana	*	*	*	16.7	*9.3	*8.7	*	*	*
Nebraska	*8.8	5.7	5.6	*18.2	*	*	*	*	*
Nevada	7.0	4.5	4.9	*	*	*	*	*5.8	*4.4
New Hampshire ⁹	---	*	*	*	*	*	*	*	*
New Jersey	7.5	5.2	4.6	*	*	*	5.6	5.0	3.8
New Mexico	7.8	5.3	6.0	9.8	7.6	6.2	*	*	*
New York	9.4	5.5	5.1	*15.2	*	*10.2	6.4	3.9	3.5
North Carolina	*7.5	6.6	5.5	12.2	10.2	11.2	*6.3	5.9	4.4
North Dakota	*	*	*	*13.8	*8.6	*14.8	*	*	*
Ohio	8.0	6.5	6.5	*	*	*	*4.8	*4.5	4.6
Oklahoma ⁹	---	6.0	6.0	7.8	7.9	8.8	*	*	*7.2
Oregon	8.5	5.5	5.0	*15.7	*11.0	*9.5	*8.4	*5.8	*5.3
Pennsylvania	10.9	7.6	7.6	*	*	*	7.8	4.9	3.9
Rhode Island	*7.2	7.4	*6.1	*	*	*	*	*	*
South Carolina	*	7.3	4.5	*	*	*	*	*	*
South Dakota	*	*	*	19.9	12.7	12.3	*	*	*
Tennessee	*	6.5	5.1	*	*	*	*	*8.1	*3.7
Texas	7.0	5.6	5.4	*	*	*	6.8	4.3	3.8
Utah	*7.0	5.8	5.0	*10.0	*	*	*10.7	*7.7	*7.8
Vermont	*	*	*	*	*	*	*	*	*
Virginia	7.6	5.4	5.7	*	*	*	6.0	4.5	5.0
Washington	7.6	4.9	4.3	19.6	9.5	8.8	6.2	4.8	4.2
West Virginia	*	*	*	*	*	*	*	*	*
Wisconsin	*7.3	6.1	5.1	*11.9	*8.2	*8.4	*6.7	*6.6	*5.2
Wyoming	*	*	*	*	*	*	*	*	*
American Samoa ⁶	---	---	---	---	---	---	---	---	---
Guam ⁶	---	*	*	---	*	*	---	---	13.2
Northern Marianas ⁶	---	---	---	---	---	---	---	---	---
Puerto Rico ⁶	---	---	---	---	---	---	---	---	---
Virgin Islands ⁶	---	*	*	---	*	*	---	*	*

See footnotes at end of table.

Table 13 (page 3 of 3). Infant mortality rates, by race and Hispanic origin of mother, state, and territory: United States and U.S. dependent areas, average annual 1989–1991, 2003–2005, and 2010–2012

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[Data are based on linked birth and death certificates for infants]

* Estimates are considered unreliable. Rates preceded by an asterisk are based on fewer than 50 deaths in the numerator. Rates not shown are based on fewer than 20 deaths in the numerator.

- - - Data not available.

¹Rates based on unweighted birth cohort data.

²Rates based on period file using weighted data. See Appendix I, National Vital Statistics System (NVSS), Linked Birth/Infant Death Data Set.

³Under 1 year of age.

⁴Excludes data for American Samoa, Guam, Northern Marianas, Puerto Rico, and Virgin Islands.

⁵Rates for white and black are substituted for non-Hispanic white and non-Hispanic black for Louisiana for 1989, Oklahoma for 1989–1990, and New Hampshire for 1989–1991.

⁶Comparable data were not available for all time periods and for all racial and ethnicity groups. Therefore, only selected rates are presented for the territories. Linked birth/infant death data are not available for American Samoa and Northern Marianas.

⁷Persons of Hispanic origin may be of any race. See Appendix II, Hispanic origin.

⁸Includes persons of Hispanic origin.

⁹Rates for Hispanic origin exclude data from states not reporting Hispanic origin on the birth certificate for 1 or more years in a 3-year period.

NOTES: Starting with 2003 data, some states reported multiple-race data. The multiple-race data for these states were bridged to the single-race categories of the 1977 Office of Management and Budget standards, for comparability with other states. See Appendix II, Race. National linked files do not exist for 1992–1994.

SOURCE: CDC/NCHS, National Vital Statistics System, public-use and nonpublic-use Linked Birth/Infant Death Data Set. National Center for Health Statistics. User guide to the 2012 period linked birth/infant death public use file. Hyattsville, MD: NCHS; 2014. Available from:

ftp://ftp.cdc.gov/pub/Health_Statistics/NCHS/Dataset_Documentation/DVS/periodlinked/LinkPE12Guide.pdf. See Appendix I, National Vital Statistics System (NVSS).