

**Table 2. Infant, neonatal, postneonatal, fetal, and perinatal mortality rates, by detailed race and Hispanic origin of mother: United States, selected years 1983–2017**

Excel version (with more data years and standard errors when available): [https://www.cdc.gov/nchs/hus/contents2018.htm#Table\\_002](https://www.cdc.gov/nchs/hus/contents2018.htm#Table_002).

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

Maternal race and Hispanic origin	1983 <sup>1</sup>	1985 <sup>1</sup>	1990 <sup>1</sup>	1995 <sup>2</sup>	2000 <sup>2</sup>	2005 <sup>2</sup>	2010 <sup>2</sup>	2016 <sup>2</sup>	2017 <sup>2</sup>
Infant <sup>3</sup> deaths per 1,000 live births									
All mothers	10.9	10.4	8.9	7.6	6.9	6.9	6.1	5.9	5.8
White	9.3	8.9	7.3	6.3	5.7	5.7	5.2	4.9	4.9
Black or African American	19.2	18.6	16.9	14.6	13.5	13.3	11.2	10.8	10.4
American Indian or Alaska Native	15.2	13.1	13.1	9.0	8.3	8.1	8.3	8.6	8.3
Asian or Pacific Islander <sup>4</sup>	8.3	7.8	6.6	5.3	4.9	4.9	4.3	4.0	4.2
Hispanic or Latina <sup>5,6</sup>	9.5	8.8	7.5	6.3	5.6	5.6	5.3	5.0	5.1
Mexican	9.1	8.5	7.2	6.0	5.4	5.5	5.1	5.0	5.1
Puerto Rican	12.9	11.2	9.9	8.9	8.2	8.3	7.1	6.1	6.5
Cuban	7.5	8.5	7.2	5.3	4.6	4.4	3.8	3.8	4.0
Central and South American	8.5	8.0	6.8	5.5	4.6	4.7	4.4	4.3	4.5
Other and unknown Hispanic or Latina	10.6	9.5	8.0	7.4	6.9	6.4	6.1	5.2	5.4
Not Hispanic or Latina: <sup>6</sup>									
White	9.2	8.6	7.2	6.3	5.7	5.8	5.2	4.9	4.7
Black or African American	19.1	18.3	16.9	14.7	13.6	13.6	11.5	11.2	10.9
Neonatal <sup>3</sup> deaths per 1,000 live births									
All mothers	7.1	6.8	5.7	4.9	4.6	4.5	4.0	3.9	3.9
White	6.1	5.8	4.6	4.1	3.8	3.8	3.5	3.2	3.2
Black or African American	12.5	12.3	11.1	9.6	9.1	8.9	7.3	7.1	6.8
American Indian or Alaska Native	7.5	6.1	6.1	4.0	4.4	4.0	4.3	4.7	4.5
Asian or Pacific Islander <sup>4</sup>	5.2	4.8	3.9	3.4	3.4	3.4	3.0	2.8	3.0
Hispanic or Latina <sup>5,6</sup>	6.2	5.7	4.8	4.1	3.8	3.9	3.6	3.5	3.6
Mexican	5.9	5.4	4.5	3.9	3.6	3.8	3.5	3.4	3.5
Puerto Rican	8.7	7.6	6.9	6.1	5.8	5.9	4.8	4.5	4.3
Cuban	*5.0	6.2	5.3	*3.6	*3.2	*3.1	*2.9	2.6	3.0
Central and South American	5.8	5.6	4.4	3.7	3.3	3.2	3.0	3.1	3.2
Other and unknown Hispanic or Latina	6.4	5.6	5.0	4.8	4.6	4.3	4.0	3.6	3.8
Not Hispanic or Latina: <sup>6</sup>									
White	5.9	5.6	4.5	4.0	3.8	3.7	3.4	3.1	3.0
Black or African American	12.0	11.9	11.0	9.6	9.2	9.1	7.5	7.4	7.1
Postneonatal <sup>3</sup> deaths per 1,000 live births									
All mothers	3.8	3.6	3.2	2.6	2.3	2.3	2.1	2.0	1.9
White	3.2	3.1	2.7	2.2	1.9	2.0	1.8	1.7	1.6
Black or African American	6.7	6.3	5.9	5.0	4.3	4.3	3.9	3.6	3.6
American Indian or Alaska Native	7.7	7.0	7.0	5.1	3.9	4.0	4.0	3.9	3.8
Asian or Pacific Islander <sup>4</sup>	3.1	2.9	2.7	1.9	1.4	1.5	1.3	1.1	1.2
Hispanic or Latina <sup>5,6</sup>	3.3	3.2	2.7	2.1	1.8	1.8	1.7	1.5	1.5
Mexican	3.2	3.2	2.7	2.1	1.8	1.7	1.6	1.6	1.5
Puerto Rican	4.2	3.5	3.0	2.8	2.4	2.4	2.3	1.7	2.1
Cuban	*2.5	*2.3	*1.9	*1.7	*	*1.4	*	*1.2	*1.0
Central and South American	2.6	2.4	2.4	1.9	1.4	1.5	1.4	1.2	1.3
Other and unknown Hispanic or Latina	4.2	3.9	3.0	2.6	2.3	2.1	2.1	1.6	1.5
Not Hispanic or Latina: <sup>6</sup>									
White	3.2	3.0	2.7	2.2	1.9	2.1	1.8	1.8	1.6
Black or African American	7.0	6.4	5.9	5.0	4.4	4.5	4.0	3.8	3.8

**Table 2. Infant, neonatal, postneonatal, fetal, and perinatal mortality rates, by detailed race and Hispanic origin of mother: United States, selected years 1983–2017**

Excel version (with more data years and standard errors when available): [https://www.cdc.gov/nchs/hus/contents2018.htm#Table\\_002](https://www.cdc.gov/nchs/hus/contents2018.htm#Table_002).

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

Maternal race and Hispanic origin	1983 <sup>1</sup>	1985 <sup>1</sup>	1990 <sup>1</sup>	1995 <sup>2</sup>	2000 <sup>2,7</sup>	2005 <sup>2</sup>	2010 <sup>2</sup>	2016 <sup>2</sup>	2017 <sup>2</sup>
	Fetal <sup>9,10</sup> deaths per 1,000 live births plus fetal deaths								
All mothers	---	---	---	7.0	6.6	6.2	6.0	6.0	5.9
Hispanic or Latina <sup>5</sup>	---	---	---	---	5.8	5.4	5.2	5.2	5.0
Not Hispanic or Latina									
White	---	---	---	---	5.3	4.8	4.8	5.0	4.9
Black or African American	---	---	---	---	12.0	11.1	10.8	10.8	10.3
	Late fetal <sup>9,11</sup> deaths per 1,000 live births plus late fetal deaths								
All mothers	---	---	---	3.6	3.3	3.0	3.0	2.9	2.8
Hispanic or Latina <sup>5</sup>	---	---	---	---	3.1	2.8	2.6	2.5	2.4
Not Hispanic or Latina									
White	---	---	---	---	2.8	2.4	2.5	2.5	2.5
Black or African American	---	---	---	---	5.2	4.8	4.7	4.7	4.7
	Perinatal <sup>9,12</sup> deaths per 1,000 live births plus late fetal deaths								
All mothers	---	---	---	7.6	7.0	6.6	6.2	6.0	5.9
Hispanic or Latina <sup>5</sup>	---	---	---	---	6.1	5.9	5.5	5.3	5.3
Not Hispanic or Latina									
White	---	---	---	---	5.7	5.4	5.1	5.0	4.9
Black or African American	---	---	---	---	12.6	12.2	10.6	10.7	10.4

\* 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.

<sup>1</sup>Rates based on unweighted birth cohort data.

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

<sup>3</sup>Infant (under 1 year of age), neonatal (under 28 days), and postneonatal (28 days–11 months).

<sup>4</sup>Starting with 2016 data, estimates for Asian or Pacific Islander subgroups from all 50 states and the District of Columbia are available. These estimates will be incorporated into this table when multiple years of data are available to permit trend comparisons. See Appendix II, Race.

<sup>5</sup>Persons of Hispanic origin may be of any race.

<sup>6</sup>Prior to 1995, data are shown only for states with a Hispanic-origin item on their birth certificates. See Appendix II, Hispanic origin.

<sup>7</sup>Rates for 1999–2004 (shown in spreadsheet version) exclude data from Oklahoma, which did not report Hispanic origin on the fetal death report in those years.

<sup>8</sup>The race and Hispanic-origin specific rates for 2015 (shown in spreadsheet version), exclude data from Rhode Island, which did not report race or Hispanic origin of mother on the fetal death report in that year. The rates for All mothers include data from Rhode Island.

<sup>9</sup>Starting with 2014 data, the obstetric estimate of gestation at delivery replaced the gestational age measure based on the date of the last normal menses, which was used for prior years. For more information on the impact of this change, see Appendix I, National Vital Statistics System (NVSS), Fetal Death Data Set.

<sup>10</sup>Number of fetal deaths at 20 weeks of gestation or more per 1,000 live births plus fetal deaths.

<sup>11</sup>Number of fetal deaths at 28 weeks of gestation or more (late fetal deaths) per 1,000 live births plus late fetal deaths.

<sup>12</sup>Number of late fetal deaths plus infant deaths within 7 days of birth per 1,000 live births plus late fetal deaths.

NOTES: The race groups white, black, American Indian or Alaska Native, and Asian or Pacific Islander include persons of Hispanic and non-Hispanic origin. 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. As of January 1, 2016, all states and reporting areas (other than American Samoa) had adopted the 2003 U.S. Standard Certificate of Live Birth. Bridged single-race categories are still presented in *Health, United States* to permit trend comparisons. See Appendix II, Race. National linked files do not exist for 1992–1994. Data for additional years are available. See the Excel spreadsheet on the *Health, United States* website at: <https://www.cdc.gov/nchs/hus.htm>.

SOURCE: NCHS, National Vital Statistics System, public-use Linked Birth/Infant Death Data Set, public-use Fetal Death File, public-use Birth File; National Center for Health Statistics. See Appendix I, National Vital Statistics System (NVSS).