

Table 20. Infant mortality rates for mothers 20 years of age and over, according to mother's education, detailed race, and Hispanic origin: United States, selected years 1983–2001

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

<i>Education, race, and Hispanic origin of mother</i>	1983 ¹	1990 ¹	1995 ²	2000 ²	2001 ²	1983–85 ¹	1986–88 ¹	1989–91 ¹	1996–98 ²	1999–2001 ²
						Infant deaths per 1,000 live births				
Less than 12 years of education										
All mothers	15.0	10.8	8.9	7.9	7.6	14.6	13.8	11.1	8.3	7.9
White	12.5	9.0	7.6	6.8	6.5	12.4	11.4	9.2	7.1	6.7
Black or African American	23.4	19.5	17.0	14.7	14.0	21.8	21.1	20.3	15.3	14.5
American Indian or Alaska Native	14.5	14.3	12.7	10.1	12.9	15.2	16.8	13.8	10.3	11.3
Asian or Pacific Islander ³	9.7	6.6	5.7	5.9	5.5	9.5	8.2	6.9	5.9	5.6
Hispanic or Latino ^{4,5}	10.9	7.3	6.0	5.4	5.1	10.6	9.9	7.5	5.6	5.3
Mexican	8.7	7.0	5.8	5.2	4.9	9.5	8.3	7.1	5.4	5.2
Puerto Rican	15.3	10.1	10.6	9.6	7.8	14.1	12.8	11.7	8.6	8.9
Cuban	*14.5	*	*	*	*	*10.5	*9.4	*8.2	*7.1	*
Central and South American	9.8	7.0	5.1	4.9	5.0	8.6	9.2	6.8	5.6	4.8
Other and unknown Hispanic or Latino	9.2	9.9	7.3	7.6	5.8	10.1	10.6	10.0	7.1	6.8
Not Hispanic or Latino:										
White ⁵	12.8	10.9	9.9	9.2	9.0	12.6	11.8	11.0	9.4	9.1
Black or African American ⁵	24.7	19.7	17.3	15.0	14.3	22.6	21.6	20.6	15.6	14.8
12 years of education										
All mothers	10.2	8.8	7.8	7.3	7.3	10.0	9.6	8.9	7.5	7.3
White	8.7	7.1	6.4	6.0	6.0	8.5	8.0	7.2	6.2	6.0
Black or African American	17.8	16.0	14.7	13.3	12.9	17.7	17.1	16.4	13.9	13.4
American Indian or Alaska Native	15.5	13.4	7.9	7.8	9.6	13.4	11.6	12.3	8.9	8.8
Asian or Pacific Islander ³	10.0	7.5	5.5	5.0	5.9	9.3	7.9	7.5	5.8	5.5
Hispanic or Latino ^{4,5}	8.4	7.0	5.9	5.0	5.1	9.1	8.3	6.8	5.7	5.1
Mexican	6.9	6.8	5.7	4.9	4.7	7.8	8.2	6.5	5.4	4.9
Puerto Rican	9.5	8.5	6.5	7.2	9.2	10.8	10.1	8.6	7.8	8.1
Cuban	*6.9	*8.0	*	*	*	8.6	6.6	7.6	5.5	*3.5
Central and South American	8.7	6.5	6.1	4.2	4.8	8.7	7.4	6.3	5.3	4.6
Other and unknown Hispanic or Latino	8.8	7.4	6.5	5.8	5.6	8.8	7.7	7.0	6.4	6.0
Not Hispanic or Latino:										
White ⁵	8.7	7.1	6.5	6.3	6.2	8.3	7.9	7.3	6.3	6.2
Black or African American ⁵	17.8	16.1	14.8	13.5	13.1	17.9	17.4	16.5	14.0	13.6
13 years or more of education										
All mothers	8.1	6.4	5.4	5.0	5.1	7.8	7.2	6.4	5.3	5.1
White	7.2	5.4	4.7	4.2	4.3	6.9	6.2	5.5	4.5	4.3
Black or African American	15.3	13.7	11.9	11.4	11.7	15.3	14.9	13.7	11.3	11.5
American Indian or Alaska Native	12.5	6.8	5.9	6.7	6.7	10.4	8.4	8.1	6.9	6.9
Asian or Pacific Islander ³	6.6	5.1	4.4	3.9	3.7	6.7	5.9	5.1	4.2	3.9
Hispanic or Latino ^{4,5}	9.0	5.7	5.0	4.5	4.6	7.4	7.0	5.8	4.9	4.6
Mexican	*8.3	5.5	5.2	4.5	4.7	7.6	6.4	5.7	5.0	4.7
Puerto Rican	10.9	7.3	6.3	6.5	5.9	8.1	6.9	7.8	6.2	6.2
Cuban	*	*5.3	*5.3	*4.9	*4.0	5.5	5.9	4.2	3.6	4.4
Central and South American	*7.1	5.6	3.7	3.7	4.1	7.2	7.6	5.4	4.1	3.9
Other and unknown Hispanic or Latino	11.6	5.4	5.2	4.2	3.8	7.9	7.5	5.6	4.8	4.2
Not Hispanic or Latino:										
White ⁵	7.0	5.4	4.6	4.2	4.3	6.8	6.1	5.4	4.5	4.2
Black or African American ⁵	14.8	13.7	12.0	11.5	11.8	14.7	14.9	13.8	11.4	11.6

* Estimates are considered unreliable. Rates preceded by an asterisk are based on fewer than 50 events. Rates not shown are based on fewer than 20 events.

¹Rates based on unweighted birth cohort data.

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

³The States not reporting maternal education on the birth certificate accounted for 49–51 percent of the Asian or Pacific Islander births in the United States in 1983–87, 59 percent in 1988, and 12 percent in 1989–91. Starting in 1992 maternal education was reported by all 50 States and the District of Columbia (DC).

⁴Persons of Hispanic origin may be of any race.

⁵Prior to 1995, data shown only for States with an Hispanic-origin item and education of mother on their birth certificates. See Appendix II, Education; Hispanic origin. The Hispanic-reporting States that did not report maternal education on the birth certificate during 1983–88 together accounted for 28–85 percent of the births in each Hispanic subgroup (except Cuban, 11–16 percent, and Puerto Rican, 6–7 percent in 1983–87); and in 1989–91 accounted for 27–39 percent of Central and South American and Puerto Rican births and 2–9 percent of births in other Hispanic subgroups.

NOTES: Prior to 1995, data for all mothers and by race are shown only for states reporting education of mother on their birth certificates. See Appendix II, Education. The race groups white, black, American Indian or Alaska Native, and Asian or Pacific Islander include persons of Hispanic and non-Hispanic origin. Persons of Hispanic origin may be of any race. National linked files do not exist for 1992–94. Data for additional years are available. See Appendix III.

SOURCE: Centers for Disease Control and Prevention, National Center for Health Statistics, National Vital Statistics System, Linked Birth/Infant Death Data Set.