

Table 12. Infant mortality rates, by birthweight: United States, selected years 1983–2010Updated data when available, Excel, PDF, and more data years: <http://www.cdc.gov/nchs/hus/contents2012.htm#012>.

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

Birthweight, in grams	1983 ¹	1985 ¹	1990 ¹	1995 ²	2000 ²	2005 ²	2008 ²	2009 ²	2010 ²
Infant ³ deaths per 1,000 live births									
All birthweights	10.9	10.4	8.9	7.6	6.9	6.9	6.6	6.4	6.1
Less than 2,500	95.9	93.9	78.1	65.3	60.2	57.6	54.8	53.2	51.2
Less than 1,500	400.6	387.7	317.6	270.7	246.9	245.7	238.2	231.9	222.8
Less than 500	890.3	895.9	898.2	904.9	847.9	857.2	869.2	853.7	837.7
500–999	584.2	559.2	440.1	351.0	313.8	305.1	290.7	279.8	270.1
1,000–1,499	162.3	145.4	97.9	69.6	60.9	58.1	56.5	56.7	52.4
1,500–1,999	58.4	54.0	43.8	33.5	28.7	27.0	27.5	25.4	24.6
2,000–2,499	22.5	20.9	17.8	13.7	11.9	10.9	10.3	10.3	10.0
2,500 or more	4.7	4.3	3.7	3.0	2.5	2.3	2.3	2.2	2.1
2,500–2,999	8.8	7.9	6.7	5.5	4.6	4.2	4.2	3.8	3.8
3,000–3,499	4.4	4.3	3.7	2.9	2.4	2.2	2.1	2.1	2.0
3,500–3,999	3.2	3.0	2.6	2.0	1.7	1.5	1.5	1.5	1.4
4,000 or more	3.3	3.2	2.4	2.0	1.6	1.6	1.5	1.5	1.4
4,000–4,499	2.9	2.9	2.2	1.8	1.5	1.5	1.4	1.4	1.3
4,500–4,999	3.9	3.8	2.5	2.2	2.1	2.2	2.3	1.4	2.0
5,000 or more ⁴	14.4	14.7	9.8	8.5	*6.1	*4.6	*6.4	*6.4	*4.8

* 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.

¹Rates based on unweighted birth cohort data.²Rates based on a period file using weighted data; unknown birthweight imputed when period of gestation is known and proportionately distributed when period of gestation is unknown. See [Appendix I, National Vital Statistics System \(NVSS\), Linked Birth/Infant Death Data Set](#).³For calculation of birthweight-specific infant mortality rates, unknown birthweight has been distributed in proportion to known birthweight separately for live births (denominator) and infant deaths (numerator). Thus, birthweight-specific infant mortality rates shown in this table may differ from those shown in other publications that do not correct for unknown birthweight.⁴In 1989, a birthweight-gestational age consistency check instituted for the natality file resulted in a decrease in the number of deaths to infants coded with birthweights of 5,000 grams or more and a discontinuity in the mortality trend for infants weighing 5,000 grams or more at birth. Starting with 1989 data, the rates are believed to be more accurate.NOTES: 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: <http://www.cdc.gov/nchs/hus.htm>.SOURCE: CDC/NCHS, National Vital Statistics System, public-use Linked Birth/Infant Death Data Set. See [Appendix I, National Vital Statistics System \(NVSS\)](#).