

Table 17. Infant mortality rates, fetal mortality rates, and perinatal mortality rates, by race: United States, selected years 1950-2010

(Data are based on death certificates, fetal death records, and birth certificates)

Race and year	Neonatal ¹				Fetal mortality rate ²	Late fetal mortality rate ³	Perinatal mortality rate ⁴
	Infant ¹	Under 28 days	Under 7 days	Postneonatal ¹			
All races							
Deaths per 1,000 live births							
1950 ⁵	29.2	20.5	17.8	8.7	18.4	14.9	32.5
1960 ⁵	26.0	18.7	16.7	7.3	15.8	12.1	28.6
1970	20.0	15.1	13.6	4.9	14.0	9.5	23.0
1980	12.6	8.5	7.1	4.1	9.1	6.2	13.2
1981	11.9	8.0	6.7	3.9	8.9	5.9	12.6
1982	11.5	7.7	6.4	3.8	8.8	5.9	12.3
1983	11.2	7.3	6.1	3.9	8.4	5.4	11.5
1984	10.8	7.0	5.9	3.8	8.1	5.2	11.0
1985	10.6	7.0	5.8	3.7	7.8	4.9	10.7
1986	10.4	6.7	5.6	3.6	7.7	4.7	10.3
1987	10.1	6.5	5.4	3.6	7.6	4.6	10.0
1988	10.0	6.3	5.2	3.6	7.5	4.5	9.7
1989	9.8	6.2	5.1	3.6	7.5	4.5	9.6
1990	9.2	5.8	4.8	3.4	7.5	4.3	9.0
1991	8.9	5.6	4.6	3.4	7.3	4.1	8.7
1992	8.5	5.4	4.4	3.1	7.4	4.1	8.5
1993	8.4	5.3	4.3	3.1	7.1	3.8	8.1
1994	8.0	5.1	4.2	2.9	7.0	3.7	7.9
1995	7.6	4.9	4.0	2.7	7.0	3.6	7.6
1996	7.3	4.8	3.8	2.5	6.9	3.6	7.4
1997	7.2	4.8	3.8	2.5	6.8	3.5	7.3
1998	7.2	4.8	3.8	2.4	6.7	3.4	7.2
1999	7.1	4.7	3.8	2.3	6.7	3.4	7.1
2000	6.9	4.6	3.7	2.3	6.6	3.3	7.0
2001	6.8	4.5	3.6	2.3	6.5	3.3	6.9
2002	7.0	4.7	3.7	2.3	6.4	3.2	6.9
2003	6.9	4.6	3.7	2.2	6.3	3.1	6.8
2004	6.8	4.5	3.6	2.3	6.3	3.1	6.7
2005	6.9	4.5	3.6	2.3	6.2	3.0	6.6
2006	6.7	4.5	3.5	2.2	6.1	3.0	6.5
2007	6.8	4.4	3.5	2.3	---	---	---
2008	6.6	4.3	3.4	2.3	---	---	---
2009	6.4	4.2	3.3	2.2	---	---	---
2010	6.1	4.0	3.2	2.1	---	---	---
Race of child: ⁶ White							
1950 ⁵	26.8	19.4	17.1	7.4	16.6	13.3	30.1
1960 ⁵	22.9	17.2	15.6	5.7	13.9	10.8	26.2
1970	17.8	13.8	12.5	4.0	12.3	8.6	21.0
1980	11.0	7.5	6.2	3.5	8.1	5.7	11.9
Race of mother: ⁷ White							
1980	10.9	7.4	6.1	3.5	8.1	5.7	11.8
1981	10.3	7.0	5.8	3.4	8.0	5.4	11.2
1982	9.9	6.7	5.6	3.2	7.8	5.4	10.9
1983	9.6	6.3	5.3	3.3	7.4	5.0	10.2
1984	9.3	6.1	5.1	3.2	7.3	4.8	9.8
1985	9.2	6.0	5.0	3.2	6.9	4.5	9.5
1986	8.8	5.7	4.7	3.1	6.7	4.3	9.0
1987	8.5	5.4	4.5	3.1	6.6	4.2	8.6
1988	8.4	5.3	4.3	3.1	6.4	4.0	8.3
1989	8.1	5.1	4.2	2.9	6.4	4.0	8.2
1990	7.6	4.8	3.9	2.8	6.4	3.8	7.7
1991	7.3	4.5	3.7	2.8	6.2	3.7	7.4
1992	6.9	4.3	3.5	2.6	6.2	3.7	7.2
1993	6.8	4.3	3.5	2.5	6.1	3.4	6.9
1994	6.6	4.2	3.4	2.4	6.0	3.3	6.7
1995	6.3	4.1	3.3	2.2	5.9	3.3	6.5
1996	6.1	4.0	3.2	2.1	5.9	3.3	6.4
1997	6.0	4.0	3.2	2.0	5.8	3.2	6.3
1998	6.0	4.0	3.1	2.0	5.7	3.1	6.2
1999	5.8	3.9	3.1	1.9	5.7	3.0	6.1
2000	5.7	3.8	3.0	1.9	5.6	2.9	5.9
2001	5.7	3.8	3.0	1.9	5.5	2.9	5.9
2002	5.8	3.9	3.1	1.9	5.5	2.8	5.9
2003	5.7	3.9	3.1	1.8	5.3	2.7	5.8
2004	5.7	3.8	3.0	1.9	5.4	2.8	5.8
2005	5.7	3.8	3.0	1.9	5.3	2.7	5.7
2006	5.6	3.7	2.9	1.8	5.2	2.7	5.6
2007	5.6	3.7	2.9	1.9	---	---	---
2008	5.5	3.6	2.9	1.9	---	---	---
2009	5.3	3.5	2.8	1.8	---	---	---
2010	5.2	3.5	2.7	1.7	---	---	---
Race of child: ⁶ Black or African American							
1950 ⁵	43.9	27.8	23.0	16.1	32.1	---	---
1960 ⁵	44.3	27.8	23.7	16.5	---	---	---
1970	32.6	22.8	20.3	9.9	23.2	---	34.5
1980	21.4	14.1	11.9	7.3	14.4	8.9	20.7

Race of mother:⁷ Black
or African American

1980.....	22.2	14.6	12.3	7.6	14.7	9.1	21.3
1981.....	20.8	14.0	11.8	6.8	14.0	8.3	20.0
1982.....	20.5	13.6	11.6	6.9	14.0	8.3	19.7
1983.....	20.0	12.9	11.1	7.0	13.7	7.8	18.7
1984.....	19.2	12.3	10.6	6.8	12.9	7.3	17.9
1985.....	19.0	12.6	10.8	6.4	12.8	7.2	17.9
1986.....	18.9	12.3	10.6	6.6	12.7	7.1	17.6
1987.....	18.8	12.3	10.5	6.4	13.1	7.1	17.5
1988.....	18.5	12.1	10.3	6.5	13.0	6.9	17.1
1989.....	18.6	11.9	10.1	6.7	13.1	6.8	16.8
1990.....	18.0	11.6	9.7	6.4	13.3	6.7	16.4
1991.....	17.6	11.2	9.4	6.3	12.8	6.4	15.7
1992.....	16.8	10.8	9.0	6.0	13.3	6.4	15.4
1993.....	16.5	10.7	9.0	5.8	12.8	5.8	14.7
1994.....	15.8	10.2	8.6	5.6	12.5	5.8	14.3
1995.....	15.1	9.8	8.2	5.3	12.7	5.7	13.8
1996.....	14.7	9.6	7.8	5.1	12.5	5.5	13.3
1997.....	14.2	9.4	7.8	4.8	12.5	5.5	13.2
1998.....	14.3	9.5	7.8	4.8	12.3	5.3	13.1
1999.....	14.6	9.8	7.9	4.8	12.6	5.4	13.2
2000.....	14.1	9.4	7.6	4.7	12.4	5.4	13.0
2001.....	14.0	9.2	7.6	4.8	12.1	5.3	12.8
2002.....	14.4	9.5	7.8	4.8	11.9	5.2	12.8
2003.....	14.0	9.4	7.5	4.6	12.1	5.1	12.5
2004.....	13.8	9.1	7.3	4.7	11.6	5.0	12.2
2005.....	13.7	9.1	7.3	4.7	11.4	4.9	12.1
2006.....	13.3	8.8	7.0	4.5	10.8	4.6	11.5
2007.....	13.2	8.6	6.9	4.6	---	---	---
2008.....	12.7	8.2	6.6	4.5	---	---	---
2009.....	12.6	8.2	6.6	4.5	---	---	---
2010.....	11.6	7.5	6.0	4.1	---	---	---

---Data not currently available. They will be posted on the website when the file is completed.

¹Infant (under 1 year of age), neonatal (under 28 days), early neonatal (under 7 days), and postneonatal (28 days-11 months).

²Number of fetal deaths of 20 weeks or more gestation per 1,000 live births plus fetal deaths.

³Number of fetal deaths of 28 weeks or more gestation (late fetal deaths) per 1,000 live births plus late fetal deaths.

⁴Number of late fetal deaths plus infant deaths within 7 days of birth per 1,000 live births plus late fetal deaths.

⁵Includes births and deaths of persons who were not residents of the 50 states and the District of Columbia.

⁶Infant deaths, live births, and fetal deaths are tabulated by race of child. See Appendix II, Race.

⁷Infant deaths are tabulated by race of decedent; fetal deaths and live births are tabulated by race of mother. See Appendix II, Race.

NOTES: Infant mortality rates in this table are based on infant deaths from the mortality file (numerator) and live births from the natality file (denominator). Inconsistencies in reporting race for the same infant between the birth and death certificate can result in underestimated infant mortality rates for races other than white or black. Infant mortality rates for minority population groups are available from the Linked Birth/Infant Death Data Set and are presented in Table 14.

Data for additional years are available. See Appendix III.

SOURCE: CDC/NCHS, National Vital Statistics System, public-use Mortality File, public-use Fetal Death File, public-use Birth File; Murphy SL, Xu JQ, Kochanek KD. Deaths: Final data for 2010. National vital statistics reports; vol 61 no 4. Hyattsville, MD: NCHS; 2012. Available from: http://www.cdc.gov/nchs/data/nvsr/nvsr61/nvsr61_04.pdf. See Appendix I, National Vital Statistics System (NVSS).

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