

**Table 31. Number of infant deaths and infant mortality rates for 130 selected causes by race: United States, 2007**

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths are based on race of decedent; live births are based on race of mother. The asterisks (\*) preceding the cause-of-death codes indicate that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*, Second Edition; see "Technical Notes"]

Cause of death (based on ICD-10, 2004)	Number			Rate		
	All races <sup>1</sup>	White <sup>2</sup>	Black <sup>2</sup>	All races <sup>1</sup>	White <sup>2</sup>	Black <sup>2</sup>
All causes	29,138	18,807	8,944	674.9	563.5	1,323.7
Certain infectious and parasitic diseases (A00-B99)	482	293	170	11.2	8.8	25.2
Certain intestinal infectious diseases (A00-A08)	13	7	4	*	*	*
Diarrhea and gastroenteritis of infectious origin (A09)	-	-	-	*	*	*
Tuberculosis (A16-A19)	2	1	1	*	*	*
Tetanus (A33,A35)	-	-	-	*	*	*
Diphtheria (A36)	-	-	-	*	*	*
Whooping cough (A37)	8	8	-	*	*	*
Meningococcal infection (A39)	11	7	4	*	*	*
Septicemia (A40-A41)	283	158	116	6.6	4.7	17.2
Congenital syphilis (A50)	5	2	3	*	*	*
Gonococcal infection (A54)	-	-	-	*	*	*
Viral diseases (A80-B34)	115	81	29	2.7	2.4	4.3
Acute poliomyelitis (A80)	-	-	-	*	*	*
Varicella (chickenpox) (B01)	-	-	-	*	*	*
Measles (B05)	-	-	-	*	*	*
Human immunodeficiency virus (HIV) disease (B20-B24)	5	2	1	*	*	*
Mumps (B26)	-	-	-	*	*	*
Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19,B25,B27-B34)	110	79	28	2.5	2.4	4.1
Candidiasis (B37)	13	8	4	*	*	*
Malaria (B50-B54)	-	-	-	*	*	*
Pneumocystosis (B59)	1	-	1	*	*	*
All other and unspecified infectious and parasitic diseases (A20-A32,A38,A42-A49,A51-A53,A55-A79,B35-B36,B38-B49,B55-B58,B60-B99)	31	21	8	0.7	0.6	*
Neoplasms (C00-D48)	131	107	17	3.0	3.2	*
Malignant neoplasms (C00-C97)	72	60	9	1.7	1.8	*
Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)	2	2	-	*	*	*
Leukemia (C91-C95)	21	19	1	0.5	*	*
Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)	49	39	8	1.1	1.2	*
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	59	47	8	1.4	1.4	*
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	116	78	24	2.7	2.3	3.6
Anemias (D50-D64)	17	4	7	*	*	*
Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)	77	56	14	1.8	1.7	*
Certain disorders involving the immune mechanism (D80-D89)	22	18	3	0.5	*	*
Endocrine, nutritional and metabolic diseases (E00-E88)	252	171	63	5.8	5.1	9.3
Short stature, not elsewhere classified (E34.3)	5	2	3	*	*	*
Nutritional deficiencies (E40-E64)	7	4	3	*	*	*
Cystic fibrosis (E84)	11	9	1	*	*	*
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	60	30	27	1.4	0.9	4.0
All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	169	126	29	3.9	3.8	4.3
Diseases of the nervous system (G00-G98)	413	282	103	9.6	8.4	15.2
Meningitis (G00,G03)	82	51	23	1.9	1.5	3.4
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)	13	12	1	*	*	*
Infantile cerebral palsy (G80)	11	8	2	*	*	*
Anoxic brain damage, not elsewhere classified (G93.1)	64	30	31	1.5	0.9	4.6
Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98)	243	181	46	5.6	5.4	6.8
Diseases of the ear and mastoid process (H60-H93)	3	3	-	*	*	*
Diseases of the circulatory system (I00-I99)	624	399	187	14.5	12.0	27.7
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	100	61	30	2.3	1.8	4.4
Pericarditis, endocarditis and myocarditis (I30,I33,I40)	21	10	10	0.5	*	*
Cardiomyopathy (I42)	120	74	38	2.8	2.2	5.6
Cardiac arrest (I46)	29	17	12	0.7	*	*
Cerebrovascular diseases (I60-I69)	132	94	34	3.1	2.8	5.0
All other diseases of circulatory system (I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99)	222	143	63	5.1	4.3	9.3
Diseases of the respiratory system (J00-J98,U04) <sup>3,4</sup>	640	382	221	14.8	11.4	32.7
Acute upper respiratory infections (J00-J06)	14	8	5	*	*	*
Influenza and pneumonia (J09-J18) <sup>3</sup>	222	132	75	5.1	4.0	11.1
Influenza (J09-J11) <sup>3</sup>	13	9	4	*	*	*
Pneumonia (J12-J18)	209	123	71	4.8	3.7	10.5
Acute bronchitis and acute bronchiolitis (J20-J21)	45	28	15	1.0	0.8	*
Bronchitis, chronic and unspecified (J40-J42)	24	13	9	0.6	*	*
Asthma (J45-J46)	4	2	2	*	*	*
Pneumonitis due to solids and liquids (J69)	10	7	3	*	*	*

**Table 31. Number of infant deaths and infant mortality rates for 130 selected causes by race: United States, 2007**

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths are based on race of decedent; live births are based on race of mother. The asterisks (\*) preceding the cause-of-death codes indicate that they are not part of the *International Classification of Diseases, Tenth Revision (ICD-10)*, Second Edition; see "Technical Notes"]

Cause of death (based on ICD-10, 2004)	Number			Rate		
	All races <sup>1</sup>	White <sup>2</sup>	Black <sup>2</sup>	All races <sup>1</sup>	White <sup>2</sup>	Black <sup>2</sup>
Other and unspecified diseases of respiratory system (J22,J30-J39,J43-J44,J47-J68,J70-J98,U04) <sup>4</sup>	321	192	112	7.4	5.8	16.6
Diseases of the digestive system (K00-K92)	677	383	260	15.7	11.5	38.5
Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	413	220	173	9.6	6.6	25.6
Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46,K56)	68	48	17	1.6	1.4	*
All other and unspecified diseases of digestive system (K00-K28,K30-K38,K57-K92)	196	115	70	4.5	3.4	10.4
Diseases of the genitourinary system (N00-N95)	169	105	61	3.9	3.1	9.0
Renal failure and other disorders of kidney (N17-N19,N25,N27)	138	89	46	3.2	2.7	6.8
Other and unspecified diseases of genitourinary system (N00-N15,N20-N23,N26,N28-N95)	31	16	15	0.7	*	*
Certain conditions originating in the perinatal period (P00-P96)	14,466	8,801	5,013	335.1	263.7	741.9
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	3,274	2,036	1,099	75.8	61.0	162.7
Newborn affected by maternal hypertensive disorders (P00.0)	89	53	33	2.1	1.6	4.9
Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	91	59	26	2.1	1.8	3.8
Newborn affected by maternal complications of pregnancy (P01)	1,769	1,067	624	41.0	32.0	92.4
Newborn affected by incompetent cervix (P01.0)	488	266	192	11.3	8.0	28.4
Newborn affected by premature rupture of membranes (P01.1)	851	507	311	19.7	15.2	46.0
Newborn affected by multiple pregnancy (P01.5)	238	160	72	5.5	4.8	10.7
Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)	192	134	49	4.4	4.0	7.3
Newborn affected by complications of placenta, cord and membranes (P02)	1,135	735	358	26.3	22.0	53.0
Newborn affected by complications involving placenta (P02.0-P02.3)	579	411	149	13.4	12.3	22.1
Newborn affected by complications involving cord (P02.4-P02.6)	43	32	10	1.0	1.0	*
Newborn affected by chorioamnionitis (P02.7)	511	290	199	11.8	8.7	29.5
Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)	2	2	-	*	*	*
Newborn affected by other complications of labor and delivery (P03)	127	86	34	2.9	2.6	5.0
Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	63	36	24	1.5	1.1	3.6
Disorders related to length of gestation and fetal malnutrition (P05-P08)	4,961	2,783	1,960	114.9	83.4	290.1
Slow fetal growth and fetal malnutrition (P05)	104	65	35	2.4	1.9	5.2
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	4,857	2,718	1,925	112.5	81.4	284.9
Extremely low birth weight or extreme immaturity (P07.0,P07.2)	3,706	2,061	1,484	85.8	61.7	219.6
Other low birth weight or preterm (P07.1,P07.3)	1,151	657	441	26.7	19.7	65.3
Disorders related to long gestation and high birth weight (P08)	-	-	-	*	*	*
Birth trauma (P10-P15)	12	8	2	*	*	*
Intrauterine hypoxia and birth asphyxia (P20-P21)	356	240	100	8.2	7.2	14.8
Intrauterine hypoxia (P20)	106	63	34	2.5	1.9	5.0
Birth asphyxia (P21)	250	177	66	5.8	5.3	9.8
Respiratory distress of newborn (P22)	789	479	280	18.3	14.4	41.4
Other respiratory conditions originating in the perinatal period (P23-P28)	1,117	701	372	25.9	21.0	55.1
Congenital pneumonia (P23)	103	67	30	2.4	2.0	4.4
Neonatal aspiration syndromes (P24)	51	36	10	1.2	1.1	*
Interstitial emphysema and related conditions originating in the perinatal period (P25)	124	83	37	2.9	2.5	5.5
Pulmonary hemorrhage originating in the perinatal period (P26)	161	88	68	3.7	2.6	10.1
Chronic respiratory disease originating in the perinatal period (P27)	243	133	101	5.6	4.0	14.9
Atelectasis (P28.0-P28.1)	366	256	100	8.5	7.7	14.8
All other respiratory conditions originating in the perinatal period (P28.2-P28.9)	69	38	26	1.6	1.1	3.8
Infections specific to the perinatal period (P35-P39)	1,057	661	344	24.5	19.8	50.9
Bacterial sepsis of newborn (P36)	820	516	264	19.0	15.5	39.1
Omphalitis of newborn with or without mild hemorrhage (P38)	4	2	1	*	*	*
All other infections specific to the perinatal period (P35,P37,P39)	233	143	79	5.4	4.3	11.7
Hemorrhagic and hematological disorders of newborn (P50-P61)	711	501	171	16.5	15.0	25.3
Neonatal hemorrhage (P50-P52,P54)	597	422	148	13.8	12.6	21.9
Hemorrhagic disease of newborn (P53)	-	-	-	*	*	*
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)	15	8	5	*	*	*
Hematological disorders (P60-P61)	99	71	18	2.3	2.1	*
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)	14	9	4	*	*	*
Necrotizing enterocolitis of newborn (P77)	554	310	218	12.8	9.3	32.3
Hydrops fetalis not due to hemolytic disease (P83.2)	177	141	23	4.1	4.2	3.4
Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)	1,444	932	440	33.4	27.9	65.1
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5,785	4,351	1,137	134.0	130.4	168.3
Anencephaly and similar malformations (Q00)	321	261	46	7.4	7.8	6.8
Congenital hydrocephalus (Q03)	93	64	21	2.2	1.9	3.1
Spina bifida (Q05)	19	12	5	*	*	*
Other congenital malformations of nervous system (Q01-Q02,Q04,Q06-Q07)	393	310	63	9.1	9.3	9.3
Congenital malformations of heart (Q20-Q24)	1,363	1,010	282	31.6	30.3	41.7

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Other congenital malformations of circulatory system (Q25-Q28)	254	174	67	5.9	5.2	9.9
Congenital malformations of respiratory system (Q30-Q34)	410	304	85	9.5	9.1	12.6
Congenital malformations of digestive system (Q35-Q45)	132	93	31	3.1	2.8	4.6
Congenital malformations of genitourinary system (Q50-Q64)	514	395	105	11.9	11.8	15.5
Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65-Q85)	623	465	128	14.4	13.9	18.9
Down's syndrome (Q90)	82	56	20	1.9	1.7	3.0
Edward's syndrome (Q91.0-Q91.3)	525	408	90	12.2	12.2	13.3
Patau's syndrome (Q91.4-Q91.7)	295	219	58	6.8	6.6	8.6
Other congenital malformations and deformations (Q10-Q18,Q86-Q89)	552	422	101	12.8	12.6	14.9
Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)	209	158	35	4.8	4.7	5.2
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	3,617	2,347	1,106	83.8	70.3	163.7
Sudden infant death syndrome (R95)	2,453	1,612	738	56.8	48.3	109.2
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	1,164	735	368	27.0	22.0	54.5
All other diseases (Residual)	16	11	4	*	*	*
External causes of mortality (*U01,V01-Y84)	1,747	1,094	578	40.5	32.8	85.5
Accidents (unintentional injuries) (V01-X59)	1,285	803	428	29.8	24.1	63.3
Transport accidents (V01-V99)	127	93	28	2.9	2.8	4.1
Motor vehicle accidents (V02-V04,V09.0,V09.2,V12-V14,V19.0-V19.2,V19.4-V19.6,V20-V79,V80.3-V80.5,V81.0-V81.1,V82.0-V82.1,V83-V86,V87.0-V87.8,V88.0-V88.8,V89.0,V89.2)	124	91	27	2.9	2.7	4.0
Other and unspecified transport accidents (V01,V05-V06,V09.1,V09.3-V09.9,V10-V11,V15-V18,V19.3,V19.8-V19.9,V80.0-V80.2,V80.6-V80.9,V81.2-V81.9,V82.2-V82.9,V87.9,V88.9,V89.1,V89.3,V89.9,V90-V99)	3	2	1	*	*	*
Falls (W00-W19)	24	20	4	0.6	0.6	*
Accidental discharge of firearms (W32-W34)	1	-	1	*	*	*
Accidental drowning and submersion (W65-W74)	57	39	16	1.3	1.2	*
Accidental suffocation and strangulation in bed (W75)	669	389	252	15.5	11.7	37.3
Other accidental suffocation and strangulation (W76-W77,W81-W84)	220	147	66	5.1	4.4	9.8
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	70	46	20	1.6	1.4	3.0
Accidents caused by exposure to smoke, fire and flames (X00-X09)	38	23	15	0.9	0.7	*
Accidental poisoning and exposure to noxious substances (X40-X49)	19	8	8	*	*	*
Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39,X50-X59)	60	38	18	1.4	1.1	*
Assault (homicide) (*U01,X85-Y09)	352	228	110	8.2	6.8	16.3
Assault (homicide) by hanging, strangulation and suffocation (X91)	30	24	4	0.7	0.7	*
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	15	10	5	*	*	*
Neglect, abandonment and other maltreatment syndromes (Y06-Y07)	86	55	28	2.0	1.6	4.1
Assault (homicide) by other and unspecified means (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09)	221	139	73	5.1	4.2	10.8
Complications of medical and surgical care (Y40-Y84)	22	9	11	0.5	*	*
Other external causes (Y10-Y36)	88	54	29	2.0	1.6	4.3

\* Figure does not meet standards of reliability or precision; see "Technical Notes."

- Quantity zero.

<sup>1</sup>Includes races other than white and black.

<sup>2</sup>Race categories are consistent with the 1977 Office of Management and Budget (OMB) standards. Multiple-race data were reported for deaths by 27 states and the District of Columbia and, for births, by 27 areas; see "Technical Notes." The multiple-race data for these reporting areas were bridged to the single-race categories of the 1977 OMB standards for comparability with other reporting areas; see "Technical Notes."

<sup>3</sup>New ICD-10 code J09 (Influenza due to identified avian influenza virus) was added to the category in 2007. No deaths occurred from this cause in 2007.

<sup>4</sup>New ICD-10 code U04 (Severe acute respiratory syndrome [SARS]) was added to the category in 2007. No deaths occurred from this cause in 2007.

NOTE: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the following states--Connecticut, Florida, Indiana, Kentucky, Maryland, North Carolina, Oklahoma, Pennsylvania, Rhode Island, South Carolina, Washington, and West Virginia; see "Technical Notes."