

Table 32. Number of infant deaths and infant mortality rates for 130 selected causes by race: United States, 2001

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths based on race of decedent; live births based on race of mother]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number			Rate		
	All races ¹	White	Black	All races ¹	White	Black
All causes	27,568	17,955	8,498	684.8	565.0	1,401.9
Certain infectious and parasitic diseases (A00-B99)	563	334	203	14.0	10.5	33.5
Certain intestinal infectious diseases (A00-A08)	12	9	2	*	*	*
Diarrhea and gastroenteritis of infectious origin (A09)	2	-	2	*	*	*
Tuberculosis (A16-A19)	2	1	-	*	*	*
Tetanus (A33,A35)	-	-	-	*	*	*
Diphtheria (A36)	-	-	-	*	*	*
Whooping cough (A37)	16	15	1	*	*	*
Meningococcal infection (A39)	16	14	2	*	*	*
Septicemia (A40-A41)	312	171	126	7.7	5.4	20.8
Congenital syphilis (A50)	1	1	-	*	*	*
Gonococcal infection (A54)	-	-	-	*	*	*
Viral diseases (A80-B34)	121	72	43	3.0	2.3	7.1
Acute poliomyelitis (A80)	-	-	-	*	*	*
Varicella (chickenpox) (B01)	1	-	-	*	*	*
Measles (B05)	-	-	-	*	*	*
Human immunodeficiency virus (HIV) disease (B20-B24)	10	3	7	*	*	*
Mumps (B26)	-	-	-	*	*	*
Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19,B25,B27-B34)	110	69	36	2.7	2.2	5.9
Candidiasis (B37)	21	13	7	0.5	*	*
Malaria (B50-B54)	-	-	-	*	*	*
Pneumocystosis (B59)	2	2	-	*	*	*
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)	58	36	20	1.4	1.1	3.3
Neoplasms (C00-D48)	117	91	17	2.9	2.9	*
Malignant neoplasms (C00-C97)	66	54	6	1.6	1.7	*
Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)	1	1	-	*	*	*
Leukemia (C91-C95)	25	20	4	0.6	0.6	*
Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)	40	33	2	1.0	1.0	*
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	51	37	11	1.3	1.2	*
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	106	72	23	2.6	2.3	3.8
Anemias (D50-D64)	16	6	6	*	*	*
Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)	59	42	11	1.5	1.3	*
Certain disorders involving the immune mechanism (D80-D89)	31	24	6	0.8	0.8	*
Endocrine, nutritional and metabolic diseases (E00-E88)	292	213	67	7.3	6.7	11.1
Short stature, not elsewhere classified (E34.3)	26	21	5	0.6	0.7	*
Nutritional deficiencies (E40-E64)	4	3	1	*	*	*
Cystic fibrosis (E84)	6	6	-	*	*	*
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	90	54	33	2.2	1.7	5.4
All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	166	129	28	4.1	4.1	4.6
Diseases of the nervous system (G00-G98)	360	249	94	8.9	7.8	15.5
Meningitis (G00,G03)	78	47	29	1.9	1.5	4.8
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)	21	18	2	0.5	*	*
Infantile cerebral palsy (G80)	19	7	9	*	*	*
Anoxic brain damage, not elsewhere classified (G93.1)	26	15	9	0.6	*	*
Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72,G81-G92,G93.0,G93.2-G93.9,G95-G98)	216	162	45	5.4	5.1	7.4
Diseases of the ear and mastoid process (H60-H93)	3	2	1	*	*	*
Diseases of the circulatory system (I00-I99)	622	400	191	15.4	12.6	31.5
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	170	114	44	4.2	3.6	7.3
Pericarditis, endocarditis and myocarditis (I30,I33,I40)	21	9	10	0.5	*	*
Cardiomyopathy (I42)	137	88	44	3.4	2.8	7.3
Cardiac arrest (I46)	24	18	4	0.6	*	*
Cerebrovascular diseases (I60-I69)	108	60	43	2.7	1.9	7.1
All other diseases of circulatory system (I00-I25,I31,I34-I38,I44-I45,I47-I51,I70-I99)	162	111	46	4.0	3.5	7.6
Diseases of the respiratory system (J00-J98)	696	386	258	17.3	12.1	42.6
Acute upper respiratory infections (J00-J06)	9	5	3	*	*	*
Influenza and pneumonia (J10-J18)	299	168	106	7.4	5.3	17.5
Influenza (J10-J11)	7	7	-	*	*	*
Pneumonia (J12-J18)	292	161	106	7.3	5.1	17.5
Acute bronchitis and acute bronchiolitis (J20-J21)	49	30	15	1.2	0.9	*
Bronchitis, chronic and unspecified (J40-J42)	21	11	10	0.5	*	*
Asthma (J45-J46)	10	5	4	*	*	*
Pneumonitis due to solids and liquids (J69)	12	9	3	*	*	*
Other and unspecified diseases of respiratory system (J22,J30-J39,J43-J44,J47-J68,J70-J98)	296	158	117	7.4	5.0	19.3
Diseases of the digestive system (K00-K92)	478	274	186	11.9	8.6	30.7
Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	246	126	114	6.1	4.0	18.8
Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46,K56)	62	44	17	1.5	1.4	*
All other and unspecified diseases of digestive system (K00-K28,K30-K38,K57-K92)	170	104	55	4.2	3.3	9.1
Diseases of the genitourinary system (N00-N95)	157	94	60	3.9	3.0	9.9
Renal failure and other disorders of kidney (N17-N19,N25,N27)	125	70	53	3.1	2.2	8.7
Other and unspecified diseases of genitourinary system (N00-N15,N20-N23,N26,N28-N95)	32	24	7	0.8	0.8	*
Certain conditions originating in the perinatal period (P00-P96)	13,734	8,444	4,808	341.1	265.7	793.2
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	2,832	1,806	930	70.3	56.8	153.4
Newborn affected by maternal hypertensive disorders (P00.0)	60	31	28	1.5	1.0	4.6

See footnotes at end of table.

Table 32. Number of infant deaths and infant mortality rates for 130 selected causes by race: United States, 2001 - Con.

[Rates are infant deaths (under 1 year) per 100,000 live births in specified group. Infant deaths based on race of decedent; live births based on race of mother]

Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number			Rate		
	All races ¹	White	Black	All races ¹	White	Black
Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	70	41	24	1.7	1.3	4.0
Newborn affected by maternal complications of pregnancy (P01)	1,499	915	537	37.2	28.8	88.6
Newborn affected by incompetent cervix (P01.0)	403	223	166	10.0	7.0	27.4
Newborn affected by premature rupture of membranes (P01.1)	663	393	244	16.5	12.4	40.3
Newborn affected by multiple pregnancy (P01.5)	270	183	85	6.7	5.8	14.0
Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)	163	116	42	4.0	3.7	6.9
Newborn affected by complications of placenta, cord and membranes (P02)	1,018	690	294	25.3	21.7	48.5
Newborn affected by complications involving placenta (P02.0-P02.3)	520	397	106	12.9	12.5	17.5
Newborn affected by complications involving cord (P02.4-P02.6)	51	36	12	1.3	1.1	*
Newborn affected by chorioamnionitis (P02.7)	447	257	176	11.1	8.1	29.0
Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)	-	-	-	*	*	*
Newborn affected by other complications of labor and delivery (P03)	148	110	29	3.7	3.5	4.8
Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	37	19	18	0.9	*	*
Disorders related to length of gestation and fetal malnutrition (P05-P08)	4,473	2,492	1,854	111.1	78.4	305.9
Slow fetal growth and fetal malnutrition (P05)	63	41	19	1.6	1.3	*
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	4,410	2,451	1,835	109.5	77.1	302.7
Extremely low birth weight or extreme immaturity (P07.0,P07.2)	3,316	1,813	1,411	82.4	57.1	232.8
Other low birth weight or preterm (P07.1,P07.3)	1,094	638	424	27.2	20.1	69.9
Disorders related to long gestation and high birth weight (P08)	-	-	-	*	*	*
Birth trauma (P10-P15)	145	95	45	3.6	3.0	7.4
Intrauterine hypoxia and birth asphyxia (P20-P21)	534	385	129	13.3	12.1	21.3
Intrauterine hypoxia (P20)	120	82	33	3.0	2.6	5.4
Birth asphyxia (P21)	414	303	96	10.3	9.5	15.8
Respiratory distress of newborn (P22)	1,011	630	353	25.1	19.8	58.2
Other respiratory conditions originating in the perinatal period (P23-P28)	1,503	941	511	37.3	29.6	84.3
Congenital pneumonia (P23)	72	39	32	1.8	1.2	5.3
Neonatal aspiration syndromes (P24)	71	46	23	1.8	1.4	3.8
Interstitial emphysema and related conditions originating in the perinatal period (P25)	204	142	56	5.1	4.5	9.2
Pulmonary hemorrhage originating in the perinatal period (P26)	279	157	109	6.9	4.9	18.0
Chronic respiratory disease originating in the perinatal period (P27)	310	172	130	7.7	5.4	21.4
Atelectasis (P28.0-P28.1)	501	341	143	12.4	10.7	23.6
All other respiratory conditions originating in the perinatal period (P28.2-P28.9)	66	44	18	1.6	1.4	*
Infections specific to the perinatal period (P35-P39)	869	552	280	21.6	17.4	46.2
Bacterial sepsis of newborn (P36)	696	444	226	17.3	14.0	37.3
Omphalitis of newborn with or without mild hemorrhage (P38)	3	3	-	*	*	*
All other infections specific to the perinatal period (P35,P37,P39)	170	105	54	4.2	3.3	8.9
Hemorrhagic and hematological disorders of newborn (P50-P61)	600	435	143	14.9	13.7	23.6
Neonatal hemorrhage (P50-P52,P54)	453	332	103	11.3	10.4	17.0
Hemorrhagic disease of newborn (P53)	-	-	-	*	*	*
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)	14	11	3	*	*	*
Hematological disorders (P60-P61)	133	92	37	3.3	2.9	6.1
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)	7	2	4	*	*	*
Necrotizing enterocolitis of newborn (P77)	380	217	140	9.4	6.8	23.1
Hydrops fetalis not due to hemolytic disease (P83.2)	166	141	16	4.1	4.4	*
Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81,P83.0-P83.1,P83.3-P83.9,P90-P96)	1,214	748	403	30.2	23.5	66.5
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5,513	4,247	1,032	136.9	133.7	170.3
Anencephaly and similar malformations (Q00)	263	218	34	6.5	6.9	5.6
Congenital hydrocephalus (Q03)	105	83	21	2.6	2.6	3.5
Spina bifida (Q05)	19	15	3	*	*	*
Other congenital malformations of nervous system (Q01-Q02,Q04,Q06-Q07)	286	220	52	7.1	6.9	8.6
Congenital malformations of heart (Q20-Q24)	1,556	1,175	311	38.6	37.0	51.3
Other congenital malformations of circulatory system (Q25-Q28)	192	144	39	4.8	4.5	6.4
Congenital malformations of respiratory system (Q30-Q34)	594	446	127	14.8	14.0	21.0
Congenital malformations of digestive system (Q35-Q45)	106	81	18	2.6	2.5	*
Congenital malformations of genitourinary system (Q50-Q64)	356	281	63	8.8	8.8	10.4
Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65-Q85)	477	362	94	11.8	11.4	15.5
Down's syndrome (Q90)	119	96	15	3.0	3.0	*
Edward's syndrome (Q91.0-Q91.3)	446	356	75	11.1	11.2	12.4
Patau's syndrome (Q91.4-Q91.7)	276	223	44	6.9	7.0	7.3
Other congenital malformations and deformations (Q10-Q18,Q86-Q89)	526	407	98	13.1	12.8	16.2
Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)	192	140	38	4.8	4.4	6.3
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	3,491	2,231	1,104	86.7	70.2	182.1
Sudden infant death syndrome (R95)	2,234	1,406	745	55.5	44.2	122.9
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	1,257	825	359	31.2	26.0	59.2
All other diseases (Residual)	19	13	5	*	*	*
External causes of mortality (*U01,V01-Y84) ²	1,417	905	449	35.2	28.5	74.1
Accidents (unintentional injuries) (V01-X59)	976	647	281	24.2	20.4	46.4
Transport accidents (V01-V99)	151	115	19	3.8	3.6	*
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)	144	109	19	3.6	3.4	*

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Cause of death (Based on the Tenth Revision, International Classification of Diseases, 1992)	Number			Rate		
	All races ¹	White	Black	All races ¹	White	Black
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)	7	6	-	*	*	*
Falls (W00-W19)	23	15	6	0.6	*	*
Accidental discharge of firearms (W32-W34)	-	-	-	*	*	*
Accidental drowning and submersion (W65-W74)	68	52	12	1.7	1.6	*
Accidental suffocation and strangulation in bed (W75)	390	250	128	9.7	7.9	21.1
Other accidental suffocation and strangulation (W76-W77,W81-W84)	162	91	63	4.0	2.9	10.4
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	62	41	20	1.5	1.3	3.3
Accidents caused by exposure to smoke, fire and flames (X00-X09)	50	34	15	1.2	1.1	*
Accidental poisoning and exposure to noxious substances (X40-X49)	15	9	6	*	*	*
Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39,X50-X59)	55	40	12	1.4	1.3	*
Assault (homicide) (*U01,X85-Y09) ²	332	196	123	8.2	6.2	20.3
Assault (homicide) by hanging, strangulation and suffocation (X91)	40	23	16	1.0	0.7	*
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	11	8	2	*	*	*
Neglect, abandonment and other maltreatment syndromes (Y06-Y07)	116	69	43	2.9	2.2	7.1
Assault (homicide) by other and unspecified means (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09) ²	165	96	62	4.1	3.0	10.2
Complications of medical and surgical care (Y40-Y84)	26	17	9	0.6	*	*
Other external causes (X60-X84,Y10-Y36)	83	45	36	2.1	1.4	5.9

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

¹ Quantity zero.¹ Includes races other than white and black.² Figures include September 11, 2001 related deaths for which death certificates were filed as of 10/24/02; see Technical Notes and Table D.

Note: Complete confirmation of deaths from selected causes of death, considered to be of public health concern, were not provided by the District of Columbia and the following States -- California, Illinois, Indiana, Kansas, Kentucky, Maine, Minnesota, Montana, New Jersey, New York, North Dakota, Ohio, Oklahoma, Pennsylvania, and Rhode Island; see Technical Notes.