

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
All races					
All causes	27,523 683.6	18,275 453.9	14,622 363.2	3,653 90.7	9,248 229.7
Certain infectious and parasitic diseases (A00-B99)	563 14.0	62 1.5	13 *	48 1.2	501 12.5
Certain intestinal infectious diseases (A00-A08)	12 *	2 *	1 *	1 *	10 *
Diarrhea and gastroenteritis of presumed infectious origin (A09)	2 *	- -	- -	- -	2 *
Tuberculosis (A16-A19)	2 *	- -	- -	- -	2 *
Tetanus (A33-A35)	- -	- -	- -	- -	- -
Diphtheria (A36)	- -	- -	- -	- -	- -
Whooping cough (A37)	16 *	2 *	- -	2 *	14 *
Meningococcal infection (A39)	16 *	- -	- -	- -	16 *
Septicemia (A40-A41)	314 7.8	4 *	- -	4 *	310 7.7
Congenital syphilis (A50)	1 *	1 *	1 *	- -	- -
Gonococcal infection A(54)	- -	- -	- -	- -	- -
Viral diseases (A80-B34)	119 3.0	30 0.8	7 *	23 0.6	89 2.2
Acute poliomyelitis (A80)	- -	- -	- -	- -	- -
Varicella (chickenpox) (B01)	1 *	- -	- -	- -	1 *
Measles (B05)	- -	- -	- -	- -	- -
Human immunodeficiency virus (HIV) disease (B20-B24)	10 *	2 *	1 *	1 *	8 *
Mumps (B26)	- -	- -	- -	- -	- -
Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19, B25,B27-B34)	108 2.7	28 0.7	6 *	22 0.6	80 2.0
Candidiasis (B37)	20 0.5	1 *	- -	1 *	19 *
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 1.5	21 0.5	4 *	17 *	37 0.9
Neoplasms (C00-D48)	117 2.9	38 1.0	25 0.6	13 *	79 2.0

See footnotes at end of table.

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Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
All races					
Malignant neoplasms (C00-C97)	66 1.6	9 *	5 *	4 *	56 1.4
Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)	1 *	1 *	1 *	- -	- -
Leukemia (C91-C95)	24 0.6	3 *	1 *	2 *	21 0.5
Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)	40 1.0	5 *	3 *	2 *	35 0.9
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	51 1.3	29 0.7	20 0.5	9 *	22 0.5
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)					
Anemias (D50-D64)	16 *	7 *	7 *	- -	9 *
Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)	59 1.5	16 *	13 *	3 *	43 1.1
Certain disorders involving the immune mechanism (D80-D89)	30 0.8	2 *	- -	2 *	28 0.7
Endocrine, nutritional and metabolic diseases (E00-E88)					
Short stature, not elsewhere classified (E34.3)	26 0.7	26 0.7	22 0.6	4 *	- -
Nutritional deficiencies(E40-E64)	4 *	- -	- -	- -	4 *
Cystic fibrosis (E84)	6 *	- -	- -	- -	6 *
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	89 2.2	28 0.7	22 0.6	6 *	60 1.5
All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	164 4.1	63 1.6	29 0.7	33 0.8	102 2.5
Diseases of the nervous system (G00-G98)					
Meningitis (G00,G03)	79 2.0	20 0.5	6 *	14 *	58 1.5
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)	21 0.5	2 *	- -	2 *	19 *
Infantile cerebral palsy (G80)	19 *	3 *	1 *	2 *	16 *
Anoxic brain damage, not elsewhere classified (G93.1)	25 0.6	- -	- -	- -	25 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)	215 5.3	41 1.0	19 *	22 0.5	173 4.3
Diseases of the ear and mastoid process (H60-H93)	3 *	- -	- -	- -	3 *
Diseases of the circulatory system (I00-I99)					
	616 15.3	216 5.4	138 3.4	79 2.0	400 9.9

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Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
All races					
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	171 4.2	113 2.8	75 1.9	38 1.0	57 1.4
Pericarditis, endocarditis and myocarditis (I30,I33,I40)	21 0.5	1 *	1 *	- -	20 0.5
Cardiomyopathy (I42)	136 3.4	46 1.2	29 0.7	17 *	90 2.2
Cardiac arrest (I46)	24 0.6	1 *	- -	1 *	23 0.6
Cerebrovascular diseases (I60-I69)	107 2.7	13 *	7 *	6 *	94 2.3
All other diseases of circulatory system (I00-I25,I31,I34-I38, I44-I45,I47-I51,I70-I99)	157 3.9	41 1.0	25 0.6	16 *	116 2.9
Diseases of the respiratory system (J00-J98)	692 17.2	56 1.4	24 0.6	32 0.8	635 15.8
Acute upper respiratory infections (J00-J06)	9 *	1 *	1 *	- -	8 *
Influenza and pneumonia (J10-J18)	298 7.4	23 0.6	7 *	16 *	275 6.8
Influenza (J10-J11)	7 *	1 *	- -	1 *	6 *
Pneumonia (J12-J18)	291 7.2	22 0.5	7 *	15 *	269 6.7
Acute bronchitis and acute bronchiolitis (J20-J21)	49 1.2	2 *	- -	2 *	47 1.2
Bronchitis, chronic and unspecified (J40-J42)	21 0.5	1 *	1 *	- -	20 0.5
Asthma (J45-J46)	10 *	1 *	- -	1 *	9 *
Pneumonitis due to solids and liquids (J69)	12 *	- -	- -	- -	12 *
Other and unspecified diseases of respiratory system (J22,J30-J39, J43-J44,J47-J68,J70-J98)	292 7.3	28 0.7	15 *	13 *	264 6.6
Diseases of the digestive system (K00-K92)	478 11.9	83 2.1	41 1.0	43 1.1	394 9.8
Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	246 6.1	35 0.9	11 *	23 0.6	211 5.2
Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46, K56)	63 1.6	29 0.7	24 0.6	5 *	33 0.8
All other and unspecified diseases of digestive system (K00-K28, K30-K38,K57-K92)	169 4.2	19 *	5 *	14 *	150 3.7
Diseases of the genitourinary system (N00-N98)	156 3.9	81 2.0	45 1.1	36 0.9	76 1.9
Renal failure and other disorders of kidney (N17-N19,N25,N27)	124 3.1	67 1.7	35 0.9	32 0.8	57 1.4
Other and unspecified diseases of genitourinary system (N00-N15, N20-N23,N26,N28-N98)	32 0.8	14 *	10 *	4 *	18 *

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Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
All races					
Certain conditions originating in the perinatal period (P00-P96)	13,729 341.0	13,018 323.3	11,022 273.8	1,996 49.6	711 17.7
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	2,825 70.2	2,787 69.2	2,715 67.4	73 1.8	37 0.9
Newborn affected by maternal hypertensive disorders (P00.0)	60 1.5	57 1.4	54 1.3	3 *	3 *
Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	69 1.7	65 1.6	59 1.5	6 *	4 *
Newborn affected by maternal complications of pregnancy (P01)	1,501 37.3	1,493 37.1	1,469 36.5	23 0.6	8 *
Newborn affected by incompetent cervix (P01.0)	401 10.0	398 9.9	394 9.8	4 *	3 *
Newborn affected by premature rupture of membranes (P01.1)	666 16.5	663 16.5	658 16.3	5 *	3 *
Newborn affected by multiple pregnancy (P01.5)	270 6.7	269 6.7	261 6.5	8 *	1 *
Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)	164 4.1	163 4.0	157 3.9	6 *	1 *
Newborn affected by complications of placenta, cord and membranes (P02)	1,014 25.2	995 24.7	961 23.9	34 0.9	19 *
Newborn affected by complications involving placenta (P02.0-P02.3)	519 12.9	504 12.5	478 11.9	26 0.6	15 *
Newborn affected by complications involving cord (P02.4-P02.6)	50 1.2	49 1.2	44 1.1	5 *	1 *
Newborn affected by chorioamnionitis (P02.7)	445 11.1	442 11.0	439 10.9	3 *	3 *
Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)	- -	- -	- -	- -	- -
Newborn affected by other complications of labor and delivery (P03)	146 3.6	144 3.6	140 3.5	4 *	2 *
Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	35 0.9	34 0.8	32 0.8	2 *	1 *
Disorders related to length of gestation and fetal malnutrition (P05-P08)	4,472 111.1	4,384 108.9	4,239 105.3	145 3.6	88 2.2
Slow fetal growth and fetal malnutrition (P05)	64 1.6	60 1.5	44 1.1	16 *	4 *
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	4,408 109.5	4,324 107.4	4,195 104.2	129 3.2	84 2.1
Extremely low birth weight or extreme immaturity (P07.0,P07.2)	3,320 82.5	3,270 81.2	3,158 78.4	112 2.8	50 1.2
Other low birth weight or preterm (P07.1,P07.3)	1,088 27.0	1,054 26.2	1,037 25.8	17 *	34 0.8
Disorders related to long gestation and high birth weight (P08)	- -	- -	- -	- -	- -

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Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
All races					
Birth trauma (P10-P15)	144 3.6	136 3.4	99 2.4	37 0.9	8 *
Intrauterine hypoxia and birth asphyxia (P20-P21)	531 13.2	508 12.6	392 9.7	116 2.9	23 0.6
Intrauterine hypoxia (P20)	121 3.0	119 3.0	99 2.5	20 0.5	2 *
Birth asphyxia (P21)	410 10.2	389 9.7	293 7.3	96 2.4	21 0.5
Respiratory distress of newborn (P22)	1,019 25.3	953 23.7	763 18.9	190 4.7	66 1.6
Other respiratory conditions originating in the perinatal period (P23-P28)	1,503 37.3	1,209 30.0	919 22.8	290 7.2	295 7.3
Congenital pneumonia (P23)	72 1.8	65 1.6	22 0.6	42 1.0	7 *
Neonatal aspiration syndromes (P24)	70 1.7	66 1.6	49 1.2	17 *	4 *
Interstitial emphysema and related conditons originating in the perinatal period (P25)	203 5.0	200 5.0	117 2.9	83 2.1	3 *
Pulmonary hemorrhage originating in the perinatal period (P26)	278 6.9	275 6.8	223 5.5	52 1.3	3 *
Chronic respiratory disease originating in the perinatal period (P27)	312 7.8	50 1.3	6 *	44 1.1	262 6.5
Atelectasis (P28.0-P28.1)	502 12.5	492 12.2	460 11.4	31 0.8	10 *
All other respiratory conditions originating in the perinatal period (P28.2-P28.9)	67 1.7	61 1.5	41 1.0	19 *	6 *
Infections specific to the perinatal period (P35-P39)	869 21.6	801 19.9	345 8.6	456 11.3	67 1.7
Bacterial sepsis of newborn (P36)	695 17.3	649 16.1	282 7.0	367 9.1	46 1.2
Omphalitis of newborn with or without mild hemorrhage (P38)	3 *	3 *	- -	3 *	- -
All other infections specific to the perinatal period (P35,P37,P39)	170 4.2	149 3.7	64 1.6	86 2.1	21 0.5
Hemorrhagic and hematological disorders of newborn (P50-P61)	600 14.9	586 14.6	417 10.4	169 4.2	14 *
Neonatal hemorrhage (P50-P52,P54)	454 11.3	445 11.1	313 7.8	132 3.3	9 *
Hemorrhagic disease of newborn (P53)	- -	- -	- -	- -	- -
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)	14 *	12 *	9 *	3 *	2 *
Hematologic disorders (P60-P61)	132 3.3	129 3.2	95 2.3	34 0.9	3 *
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)	7 *	6 *	5 *	1 *	1 *

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Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
All races					
Necrotizing enterocolitis of newborn (P77)	382 9.5	323 8.0	36 0.9	287 7.1	58 1.5
Hydrops fetalis not due to hemolytic disease (P83.2)	167 4.1	159 3.9	136 3.4	23 0.6	8 *
Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81, P83.0-P83.1,P83.3-P83.9,P90-P96)	1,210 30.0	1,165 28.9	956 23.8	209 5.2	44 1.1
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	5,538 137.6	3,906 97.0	2,984 74.1	923 22.9	1,632 40.5
Anencephaly and similar malformations (Q00)	266 6.6	259 6.4	250 6.2	9 *	7 *
Congenital hydrocephalus (Q03)	105 2.6	70 1.7	49 1.2	21 0.5	35 0.9
Spina bifida (Q05)	19 *	15 *	13 *	2 *	4 *
Other congenital malformations of nervous system (Q01-Q02,Q04, Q06-Q07)	287 7.1	166 4.1	125 3.1	41 1.0	121 3.0
Congenital malformations of heart (Q20-Q24)	1,559 38.7	855 21.2	441 11.0	414 10.3	703 17.5
Other congenital malformations of circulatory system (Q25-Q28)	192 4.8	122 3.0	67 1.7	55 1.4	70 1.7
Congenital malformations of respiratory system (Q30-Q34)	594 14.8	543 13.5	501 12.5	41 1.0	51 1.3
Congenital malformations of digestive system (Q35-Q45)	107 2.7	40 1.0	21 0.5	19 *	66 1.6
Congenital malformations of genitourinary system (Q50-Q64)	360 8.9	331 8.2	315 7.8	16 *	28 0.7
Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65-Q85)	480 11.9	349 8.7	262 6.5	87 2.2	131 3.3
Down's syndrome (Q90)	118 2.9	74 1.8	64 1.6	10 *	44 1.1
Edward's syndrome (Q91.0-Q91.3)	450 11.2	311 7.7	224 5.6	87 2.2	139 3.4
Patau's syndrome (Q91.4-Q91.7)	279 6.9	239 5.9	190 4.7	49 1.2	40 1.0
Other congenital malformations and deformations (Q10-Q18,Q86-Q89)	527 13.1	402 10.0	359 8.9	43 1.1	125 3.1
Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)	195 4.8	130 3.2	101 2.5	28 0.7	65 1.6
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	3,469 86.2	436 10.8	148 3.7	288 7.2	3,032 75.3
Sudden infant death syndrome (R95)	2,236 55.5	186 4.6	24 0.6	162 4.0	2,049 50.9
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	1,233 30.6	250 6.2	124 3.1	126 3.1	983 24.4
All other diseases (Residual)	19 *	8 *	7 *	1 *	11 *

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Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
All races					
External causes of mortality (V01-Y84)	1,389 34.5	160 4.0	55 1.4	106 2.6	1,229 30.5
Accidents (unintentional injuries) (V01-X59)	970 24.1	103 2.5	17 *	85 2.1	867 21.5
Transport accidents (V01-V99)	149 3.7	11 *	6 *	5 *	138 3.4
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)	141 3.5	11 *	6 *	5 *	130 3.2
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)	8 *	- -	- -	- -	8 *
Falls (W00-W19)	22 0.5	4 *	1 *	3 *	18 *
Accidental discharge of firearms (W32-W34)	- -	- -	- -	- -	- -
Accidental drowning and submersion (W65-W74)	64 1.6	1 *	- -	1 *	63 1.6
Accidental suffocation and strangulation in bed (W75)	393 9.7	60 1.5	6 *	54 1.3	332 8.3
Other accidental suffocation and strangulation (W76-W77,W81-W84)	160 4.0	13 *	- -	13 *	147 3.7
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	61 1.5	4 *	1 *	3 *	57 1.4
Accidents caused by exposure to smoke fire and flames (X00-X99)	50 1.2	1 *	- -	1 *	49 1.2
Accidental poisoning and exposure to noxious substances (X40-X49)	15 *	1 *	1 *	- -	14 *
Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39 X50-X59)	54 1.4	7 *	2 *	5 *	47 1.2
Assault (homicide) (*U01,X85-Y09)	311 7.7	40 1.0	28 0.7	12 *	271 6.7
Assault (homicide) by hanging, strangulation and suffocation (X91)	33 0.8	6 *	6 *	- -	27 0.7
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	11 *	1 *	1 *	- -	10 *
Neglect, abandonment and other maltreatment syndromes (Y06-Y07)	112 2.8	11 *	9 *	2 *	101 2.5
Assault (homicide) by other and unspecified means (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09)	155 3.9	22 0.6	12 *	10 *	133 3.3
Complications of medical and surgical care (Y40-Y84)	26 0.7	7 *	5 *	2 *	19 *
Other external causes (X60-X84,Y10-Y36)	82 2.0	10 *	4 *	6 *	72 1.8

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Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
White					
All causes	18,087 569.2	12,078 380.1	9,571 301.2	2,506 78.9	6,009 189.1
Certain infectious and parasitic diseases (A00-B99)	333 10.5	39 1.2	9 *	30 1.0	293 9.2
Certain intestinal infectious diseases (A00-A08)	8 *	2 *	1 *	1 *	6 *
Diarrhea and gastroenteritis of presumed infectious origin (A09)	-	-	-	-	-
Tuberculosis (A16-A19)	-	-	-	-	-
Tetanus (A33-A35)	-	-	-	-	-
Diphtheria (A36)	-	-	-	-	-
Whooping cough (A37)	15 *	2 *	-	2 *	13 *
Meningococcal infection (A39)	14 *	-	-	-	14 *
Septicemia (A40-A41)	173 5.5	2 *	-	2 *	171 5.4
Congenital syphilis (A50)	-	-	-	-	-
Gonococcal infection A(54)	-	-	-	-	-
Viral diseases (A80-B34)	71 2.2	19 *	4 *	15 *	51 1.6
Acute poliomyelitis (A80)	-	-	-	-	-
Varicella (chickenpox) (B01)	-	-	-	-	-
Measles (B05)	-	-	-	-	-
Human immunodeficiency virus (HIV) disease (B20-B24)	2 *	1 *	-	1 *	1 *
Mumps (B26)	-	-	-	-	-
Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19, B25,B27-B34)	69 2.2	18 *	4 *	14 *	50 1.6
Candidiasis (B37)	13 *	1 *	-	1 *	12 *
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)	36 1.1	13 *	4 *	9 *	23 0.7
Neoplasms (C00-D48)	89 2.8	30 1.0	18 *	12 *	58 1.8

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
White					
Malignant neoplasms (C00-C97)	53 1.7	8 *	4 *	4 *	45 1.4
Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)	1 *	1 *	1 *	- -	- -
Leukemia (C91-C95)	19 *	3 *	1 *	2 *	16 *
Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)	33 1.0	4 *	2 *	2 *	29 0.9
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	35 1.1	22 0.7	14 *	8 *	13 *
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	73 2.3	15 *	11 *	4 *	57 1.8
Anemias (D50-D64)	6 *	1 *	1 *	- -	5 *
Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)	41 1.3	12 *	10 *	2 *	29 0.9
Certain disorders involving the immune mechanism (D80-D89)	25 0.8	2 *	- -	2 *	23 0.7
Endocrine, nutritional and metabolic diseases (E00-E88)	212 6.7	92 2.9	63 2.0	29 0.9	120 3.8
Short stature, not elsewhere classified (E34.3)	21 0.7	21 0.7	20 0.6	1 *	- -
Nutritional deficiencies(E40-E64)	3 *	- -	- -	- -	3 *
Cystic fibrosis (E84)	6 *	- -	- -	- -	6 *
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	53 1.7	20 0.6	17 *	3 *	33 1.0
All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	128 4.0	50 1.6	25 0.8	25 0.8	78 2.4
Diseases of the nervous system (G00-G98)	251 7.9	43 1.4	14 *	29 0.9	208 6.5
Meningitis (G00,G03)	50 1.6	12 *	3 *	9 *	38 1.2
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)	17 *	2 *	- -	2 *	15 *
Infantile cerebral palsy (G80)	8 *	1 *	- -	1 *	7 *
Anoxic brain damage, not elsewhere classified (G93.1)	14 *	- -	- -	- -	14 *
Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72 G81-G92,G93.0,G93.2-G93.9,G95-G98)	161 5.1	28 0.9	11 *	17 *	133 4.2
Diseases of the ear and mastoid process (H60-H93)	2 *	- -	- -	- -	2 *
Diseases of the circulatory system (I00-I99)	408 12.8	151 4.7	95 3.0	55 1.7	257 8.1

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
White					
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	117 3.7	75 2.4	50 1.6	25 0.8	42 1.3
Pericarditis, endocarditis and myocarditis (I30,I33,I40)	10 *	1 *	1 *	- -	9 *
Cardiomyopathy (I42)	92 2.9	35 1.1	22 0.7	13 *	56 1.8
Cardiac arrest (I46)	18 *	1 *	- -	1 *	17 *
Cerebrovascular diseases (I60-I69)	60 1.9	7 *	3 *	4 *	53 1.7
All other diseases of circulatory system (I00-I25,I31,I34-I38, I44-I45,I47-I51,I70-I99)	110 3.5	31 1.0	19 *	12 *	79 2.5
Diseases of the respiratory system (J00-J98)	406 12.8	36 1.1	11 *	25 0.8	370 11.6
Acute upper respiratory infections (J00-J06)	4 *	- -	- -	- -	4 *
Influenza and pneumonia (J10-J18)	180 5.7	17 *	3 *	14 *	163 5.1
Influenza (J10-J11)	6 *	1 *	- -	1 *	5 *
Pneumonia (J12-J18)	174 5.5	16 *	3 *	13 *	158 5.0
Acute bronchitis and acute bronchiolitis (J20-J21)	35 1.1	2 *	- -	2 *	33 1.0
Bronchitis, chronic and unspecified (J40-J42)	11 *	- -	- -	- -	11 *
Asthma (J45-J46)	6 *	1 *	- -	1 *	5 *
Pneumonitis due to solids and liquids (J69)	9 *	- -	- -	- -	9 *
Other and unspecified diseases of respiratory system (J22,J30-J39, J43-J44,J47-J68,J70-J98)	160 5.0	16 *	8 *	8 *	144 4.5
Diseases of the digestive system (K00-K92)	276 8.7	61 1.9	31 1.0	29 0.9	216 6.8
Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	129 4.1	25 0.8	9 *	16 *	104 3.3
Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46, K56)	45 1.4	22 0.7	17 *	5 *	22 0.7
All other and unspecified diseases of digestive system (K00-K28, K30-K38,K57-K92)	103 3.2	13 *	5 *	8 *	90 2.8
Diseases of the genitourinary system (N00-N98)	96 3.0	51 1.6	31 1.0	20 0.6	45 1.4
Renal failure and other disorders of kidney (N17-N19,N25,N27)	72 2.3	41 1.3	23 0.7	17 *	31 1.0
Other and unspecified diseases of genitourinary system (N00-N15, N20-N23,N26,N28-N98)	24 0.8	10 *	7 *	3 *	14 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
White					
Certain conditions originating in the perinatal period (P00-P96)	8,473 266.7	8,078 254.2	6,794 213.8	1,284 40.4	395 12.4
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	1,824 57.4	1,805 56.8	1,757 55.3	47 1.5	19 *
Newborn affected by maternal hypertensive disorders (P00.0)	30 1.0	29 0.9	28 0.9	1 *	1 *
Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	38 1.2	37 1.2	33 1.1	4 *	1 *
Newborn affected by maternal complications of pregnancy (P01)	932 29.3	928 29.2	913 28.7	14 *	4 *
Newborn affected by incompetent cervix (P01.0)	227 7.1	227 7.1	225 7.1	2 *	- -
Newborn affected by premature rupture of membranes (P01.1)	402 12.7	400 12.6	397 12.5	3 *	2 *
Newborn affected by multiple pregnancy (P01.5)	186 5.8	185 5.8	181 5.7	4 *	1 *
Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)	117 3.7	116 3.7	111 3.5	5 *	1 *
Newborn affected by complications of placenta, cord and membranes (P02)	696 21.9	684 21.5	659 20.7	25 0.8	12 *
Newborn affected by complications involving placenta (P02.0-P02.3)	403 12.7	393 12.4	373 11.7	20 0.6	10 *
Newborn affected by complications involving cord (P02.4-P02.6)	35 1.1	35 1.1	31 1.0	3 *	- -
Newborn affected by chorioamnionitis (P02.7)	258 8.1	256 8.1	254 8.0	2 *	2 *
Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)	- -	- -	- -	- -	- -
Newborn affected by other complications of labor and delivery (P03)	112 3.5	112 3.5	109 3.4	3 *	- -
Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	15 *	14 *	14 *	- -	1 *
Disorders related to length of gestation and fetal malnutrition (P05-P08)	2,502 78.7	2,458 77.4	2,371 74.6	88 2.8	43 1.4
Slow fetal growth and fetal malnutrition (P05)	38 1.2	36 1.1	27 0.9	9 *	2 *
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	2,463 77.5	2,422 76.2	2,343 73.7	79 2.5	41 1.3
Extremely low birth weight or extreme immaturity (P07.0,P07.2)	1,820 57.3	1,796 56.5	1,724 54.3	72 2.3	24 0.8
Other low birth weight or preterm (P07.1,P07.3)	643 20.2	626 19.7	619 19.5	7 *	17 *
Disorders related to long gestation and high birth weight (P08)	- -	- -	- -	- -	- -

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
White					
Birth trauma (P10-P15)	96 3.0	92 2.9	65 2.0	27 0.9	4 *
Intrauterine hypoxia and birth asphyxia (P20-P21)	391 12.3	376 11.8	288 9.1	88 2.8	15 *
Intrauterine hypoxia (P20)	86 2.7	85 2.7	72 2.3	13 *	1 *
Birth asphyxia (P21)	305 9.6	291 9.1	216 6.8	75 2.3	14 *
Respiratory distress of newborn (P22)	633 19.9	597 18.8	471 14.8	126 4.0	36 1.1
Other respiratory conditions originating in the perinatal period (P23-P28)	951 29.9	789 24.8	610 19.2	178 5.6	162 5.1
Congenital pneumonia (P23)	40 1.3	36 1.1	15 *	21 0.7	4 *
Neonatal aspiration syndromes (P24)	44 1.4	41 1.3	29 0.9	12 *	3 *
Interstitial emphysema and related conditons originating in the perinatal period (P25)	139 4.4	137 4.3	80 2.5	57 1.8	2 *
Pulmonary hemorrhage originating in the perinatal period (P26)	167 5.3	165 5.2	138 4.3	27 0.9	2 *
Chronic respiratory disease originating in the perinatal period (P27)	169 5.3	30 1.0	3 *	27 0.9	139 4.4
Atelectasis (P28.0-P28.1)	346 10.9	338 10.6	316 10.0	21 0.7	8 *
All other respiratory conditions originating in the perinatal period (P28.2-P28.9)	44 1.4	40 1.3	28 0.9	12 *	4 *
Infections specific to the perinatal period (P35-P39)	546 17.2	509 16.0	220 6.9	289 9.1	37 1.2
Bacterial sepsis of newborn (P36)	439 13.8	414 13.0	182 5.7	232 7.3	25 0.8
Omphalitis of newborn with or without mild hemorrhage (P38)	3 *	3 *	- -	3 *	- -
All other infections specific to the perinatal period (P35,P37,P39)	104 3.3	92 2.9	38 1.2	53 1.7	12 *
Hemorrhagic and hematological disorders of newborn (P50-P61)	431 13.6	420 13.2	298 9.4	122 3.8	11 *
Neonatal hemorrhage (P50-P52,P54)	330 10.4	323 10.2	232 7.3	91 2.9	7 *
Hemorrhagic disease of newborn (P53)	- -	- -	- -	- -	- -
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)	10 *	8 *	6 *	2 *	2 *
Hematologic disorders (P60-P61)	91 2.9	89 2.8	60 1.9	29 0.9	2 *
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)	2 *	2 *	2 *	- -	- -

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
White					
Necrotizing enterocolitis of newborn (P77)	219 6.9	186 5.8	25 0.8	160 5.0	33 1.0
Hydrops fetalis not due to hemolytic disease (P83.2)	135 4.3	129 4.1	112 3.5	17 *	6 *
Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81, P83.0-P83.1,P83.3-P83.9,P90-P96)	744 23.4	716 22.5	574 18.1	142 4.5	28 0.9
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	4,261 134.1	3,065 96.5	2,362 74.3	704 22.1	1,196 37.6
Anencephaly and similar malformations (Q00)	225 7.1	219 6.9	211 6.6	8 *	6 *
Congenital hydrocephalus (Q03)	81 2.5	52 1.6	38 1.2	14 *	29 0.9
Spina bifida (Q05)	15 *	13 *	11 *	2 *	2 *
Other congenital malformations of nervous system (Q01-Q02,Q04, Q06-Q07)	221 7.0	132 4.1	97 3.1	34 1.1	90 2.8
Congenital malformations of heart (Q20-Q24)	1,181 37.2	671 21.1	354 11.1	317 10.0	509 16.0
Other congenital malformations of circulatory system (Q25-Q28)	142 4.5	90 2.8	47 1.5	44 1.4	51 1.6
Congenital malformations of respiratory system (Q30-Q34)	444 14.0	409 12.9	377 11.9	32 1.0	35 1.1
Congenital malformations of digestive system (Q35-Q45)	79 2.5	32 1.0	16 *	16 *	46 1.5
Congenital malformations of genitourinary system (Q50-Q64)	283 8.9	260 8.2	251 7.9	9 *	23 0.7
Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65-Q85)	360 11.3	262 8.2	193 6.1	68 2.2	99 3.1
Down's syndrome (Q90)	97 3.1	63 2.0	54 1.7	9 *	34 1.1
Edward's syndrome (Q91.0-Q91.3)	356 11.2	253 8.0	190 6.0	63 2.0	103 3.2
Patau's syndrome (Q91.4-Q91.7)	224 7.0	192 6.1	161 5.1	31 1.0	31 1.0
Other congenital malformations and deformations (Q10-Q18,Q86-Q89)	414 13.0	320 10.1	286 9.0	34 1.1	94 2.9
Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)	140 4.4	96 3.0	76 2.4	20 0.6	43 1.4
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	2,280 71.7	304 9.6	95 3.0	210 6.6	1,975 62.2
Sudden infant death syndrome (R95)	1,449 45.6	137 4.3	17 *	120 3.8	1,312 41.3
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	831 26.2	167 5.3	77 2.4	90 2.8	664 20.9
All other diseases (Residual)	13 *	4 *	4 *	- -	9 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
White					
External causes of mortality (V01-Y84)	916 28.8	108 3.4	33 1.0	74 2.3	808 25.4
Accidents (unintentional injuries) (V01-X59)	657 20.7	72 2.3	10 *	62 2.0	584 18.4
Transport accidents (V01-V99)	114 3.6	9 *	5 *	4 *	105 3.3
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)	109 3.4	9 *	5 *	4 *	100 3.1
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)	5 *	- -	- -	- -	5 *
Falls (W00-W19)	13 *	2 *	- -	2 *	11 *
Accidental discharge of firearms (W32-W34)	- -	- -	- -	- -	- -
Accidental drowning and submersion (W65-W74)	49 1.6	1 *	- -	1 *	48 1.5
Accidental suffocation and strangulation in bed (W75)	260 8.2	44 1.4	3 *	41 1.3	215 6.8
Other accidental suffocation and strangulation (W76-W77,W81-W84)	98 3.1	7 *	- -	7 *	91 2.9
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	41 1.3	3 *	1 *	2 *	38 1.2
Accidents caused by exposure to smoke fire and flames (X00-X99)	33 1.0	1 *	- -	1 *	32 1.0
Accidental poisoning and exposure to noxious substances (X40-X49)	9 *	- -	- -	- -	9 *
Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39 X50-X59)	39 1.2	5 *	1 *	4 *	34 1.1
Assault (homicide) (*U01,X85-Y09)	194 6.1	25 0.8	18 *	7 *	169 5.3
Assault (homicide) by hanging, strangulation and suffocation (X91)	21 0.7	3 *	3 *	- -	18 *
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	7 *	1 *	1 *	- -	6 *
Neglect, abandonment and other maltreatment syndromes (Y06-Y07)	69 2.2	8 *	6 *	2 *	61 1.9
Assault (homicide) by other and unspecified means (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09)	97 3.0	13 *	8 *	5 *	84 2.6
Complications of medical and surgical care (Y40-Y84)	18 *	5 *	4 *	1 *	13 *
Other external causes (X60-X84,Y10-Y36)	46 1.5	5 *	1 *	4 *	41 1.3

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Black					
All causes	8,084 1333.6	5,396 890.2	4,425 730.0	971 160.2	2,688 443.4
Certain infectious and parasitic diseases (A00-B99)	197 32.5	21 3.5	3 *	18 *	176 29.0
Certain intestinal infectious diseases (A00-A08)	2 *	- -	- -	- -	2 *
Diarrhea and gastroenteritis of presumed infectious origin (A09)	2 *	- -	- -	- -	2 *
Tuberculosis (A16-A19)	- -	- -	- -	- -	- -
Tetanus (A33-A35)	- -	- -	- -	- -	- -
Diphtheria (A36)	- -	- -	- -	- -	- -
Whooping cough (A37)	1 *	- -	- -	- -	1 *
Meningococcal infection (A39)	2 *	- -	- -	- -	2 *
Septicemia (A40-A41)	125 20.6	2 *	- -	2 *	123 20.2
Congenital syphilis (A50)	- -	- -	- -	- -	- -
Gonococcal infection A(54)	- -	- -	- -	- -	- -
Viral diseases (A80-B34)	39 6.5	11 *	3 *	8 *	28 4.6
Acute poliomyelitis (A80)	- -	- -	- -	- -	- -
Varicella (chickenpox) (B01)	- -	- -	- -	- -	- -
Measles (B05)	- -	- -	- -	- -	- -
Human immunodeficiency virus (HIV) disease (B20-B24)	7 *	1 *	1 *	- -	6 *
Mumps (B26)	- -	- -	- -	- -	- -
Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19, B25,B27-B34)	32 5.3	10 *	2 *	8 *	22 3.7
Candidiasis (B37)	6 *	- -	- -	- -	6 *
Malaria (B50-B54)	- -	- -	- -	- -	- -
Pneumocystosis(B59)	- -	- -	- -	- -	- -
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)	20 3.3	8 *	- -	8 *	12 *
Neoplasms (C00-D48)	17 *	7 *	6 *	1 *	10 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Black					
Malignant neoplasms (C00-C97)	5 *	- -	- -	- -	5 *
Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)	- -	- -	- -	- -	- -
Leukemia (C91-C95)	3 *	- -	- -	- -	3 *
Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)	2 *	- -	- -	- -	2 *
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	12 *	7 *	6 *	1 *	5 *
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	19 *	6 *	5 *	1 *	13 *
Anemias (D50-D64)	5 *	2 *	2 *	- -	3 *
Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)	10 *	4 *	3 *	1 *	6 *
Certain disorders involving the immune mechanism (D80-D89)	4 *	- -	- -	- -	4 *
Endocrine, nutritional and metabolic diseases (E00-E88)	61 10.1	19 *	9 *	10 *	42 7.0
Short stature, not elsewhere classified (E34.3)	5 *	5 *	2 *	3 *	- -
Nutritional deficiencies(E40-E64)	1 *	- -	- -	- -	1 *
Cystic fibrosis (E84)	- -	- -	- -	- -	- -
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	30 5.0	6 *	5 *	1 *	24 4.0
All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	25 4.1	8 *	2 *	6 *	17 *
Diseases of the nervous system (G00-G98)	87 14.3	19 *	9 *	10 *	67 11.1
Meningitis (G00,G03)	26 4.3	8 *	3 *	5 *	18 *
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)	2 *	- -	- -	- -	2 *
Infantile cerebral palsy (G80)	8 *	2 *	1 *	1 *	6 *
Anoxic brain damage, not elsewhere classified (G93.1)	9 *	- -	- -	- -	9 *
Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72 G81-G92,G93.0,G93.2-G93.9,G95-G98)	41 6.8	9 *	5 *	4 *	32 5.3
Diseases of the ear and mastoid process (H60-H93)	1 *	- -	- -	- -	1 *
Diseases of the circulatory system (I00-I99)	177 29.2	52 8.6	31 5.2	21 3.5	125 20.6

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Black					
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	42 7.0	30 5.0	17 *	13 *	12 *
Pericarditis, endocarditis and myocarditis (I30,I33,I40)	10 *	- -	- -	- -	10 *
Cardiomyopathy (I42)	39 6.5	10 *	6 *	4 *	29 4.8
Cardiac arrest (I46)	4 *	- -	- -	- -	4 *
Cerebrovascular diseases (I60-I69)	40 6.6	5 *	3 *	2 *	35 5.8
All other diseases of circulatory system (I00-I25,I31,I34-I38, I44-I45,I47-I51,I70-I99)	41 6.8	7 *	5 *	2 *	34 5.6
Diseases of the respiratory system (J00-J98)	233 38.5	16 *	10 *	6 *	217 35.8
Acute upper respiratory infections (J00-J06)	3 *	1 *	1 *	- -	2 *
Influenza and pneumonia (J10-J18)	92 15.3	6 *	4 *	2 *	86 14.3
Influenza (J10-J11)	- -	- -	- -	- -	- -
Pneumonia (J12-J18)	92 15.3	6 *	4 *	2 *	86 14.3
Acute bronchitis and acute bronchiolitis (J20-J21)	11 *	- -	- -	- -	11 *
Bronchitis, chronic and unspecified (J40-J42)	9 *	1 *	1 *	- -	8 *
Asthma (J45-J46)	3 *	- -	- -	- -	3 *
Pneumonitis due to solids and liquids (J69)	3 *	- -	- -	- -	3 *
Other and unspecified diseases of respiratory system (J22,J30-J39, J43-J44,J47-J68,J70-J98)	112 18.4	8 *	4 *	4 *	104 17.1
Diseases of the digestive system (K00-K92)	180 29.7	21 3.5	8 *	13 *	159 26.2
Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	111 18.2	9 *	2 *	7 *	102 16.7
Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46, K56)	16 *	6 *	6 *	- -	10 *
All other and unspecified diseases of digestive system (K00-K28, K30-K38,K57-K92)	53 8.8	6 *	- -	6 *	47 7.8
Diseases of the genitourinary system (N00-N98)	58 9.6	29 4.8	13 *	16 *	29 4.8
Renal failure and other disorders of kidney (N17-N19,N25,N27)	51 8.5	25 4.2	10 *	15 *	26 4.3
Other and unspecified diseases of genitourinary system (N00-N15, N20-N23,N26,N28-N98)	7 *	4 *	3 *	1 *	3 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Black					
Certain conditions originating in the perinatal period (P00-P96)	4,669 770.3	4,396 725.1	3,775 622.8	620 102.3	274 45.2
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	895 147.6	881 145.3	857 141.4	23 3.8	14 *
Newborn affected by maternal hypertensive disorders (P00.0)	29 4.7	26 4.4	24 4.0	2 *	2 *
Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	24 4.0	23 3.8	21 3.5	2 *	1 *
Newborn affected by maternal complications of pregnancy (P01)	517 85.2	512 84.5	504 83.2	8 *	4 *
Newborn affected by incompetent cervix (P01.0)	157 25.9	154 25.4	152 25.1	2 *	3 *
Newborn affected by premature rupture of membranes (P01.1)	238 39.2	237 39.0	235 38.7	2 *	1 *
Newborn affected by multiple pregnancy (P01.5)	81 13.4	81 13.4	77 12.8	4 *	- -
Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)	41 6.7	41 6.7	41 6.7	- -	- -
Newborn affected by complications of placenta, cord and membranes (P02)	280 46.2	274 45.2	266 43.9	8 *	6 *
Newborn affected by complications involving placenta (P02.0-P02.3)	98 16.2	93 15.3	87 14.3	6 *	5 *
Newborn affected by complications involving cord (P02.4-P02.6)	12 *	12 *	11 *	1 *	- -
Newborn affected by chorioamnionitis (P02.7)	170 28.0	169 27.8	168 27.7	1 *	1 *
Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)	- -	- -	- -	- -	- -
Newborn affected by other complications of labor and delivery (P03)	26 4.3	25 4.1	24 4.0	1 *	1 *
Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	19 *	19 *	17 *	2 *	- -
Disorders related to length of gestation and fetal malnutrition (P05-P08)	1,799 296.8	1,755 289.5	1,703 280.9	52 8.6	44 7.3
Slow fetal growth and fetal malnutrition (P05)	20 3.3	18 *	13 *	5 *	2 *
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	1,779 293.5	1,737 286.5	1,690 278.7	47 7.8	42 7.0
Extremely low birth weight or extreme immaturity (P07.0,P07.2)	1,377 227.1	1,351 222.9	1,313 216.6	38 6.3	25 4.2
Other low birth weight or preterm (P07.1,P07.3)	403 66.4	385 63.6	376 62.1	9 *	17 *
Disorders related to long gestation and high birth weight (P08)	- -	- -	- -	- -	- -

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Black					
Birth trauma (P10-P15)	44 7.2	41 6.7	31 5.2	9 *	3 *
Intrauterine hypoxia and birth asphyxia (P20-P21)	118 19.5	111 18.4	87 14.4	24 4.0	7 *
Intrauterine hypoxia (P20)	28 4.6	27 4.5	21 3.5	6 *	1 *
Birth asphyxia (P21)	90 14.9	84 13.9	66 10.9	18 *	6 *
Respiratory distress of newborn (P22)	346 57.0	319 52.7	262 43.2	57 9.4	26 4.3
Other respiratory conditions originating in the perinatal period (P23-P28)	496 81.8	375 61.9	276 45.5	100 16.4	121 19.9
Congenital pneumonia (P23)	30 5.0	28 4.7	7 *	21 3.5	2 *
Neonatal aspiration syndromes (P24)	21 3.5	20 3.3	16 *	4 *	1 *
Interstitial emphysema and related conditons originating in the perinatal period (P25)	56 9.2	56 9.2	34 5.6	22 3.6	- -
Pulmonary hemorrhage originating in the perinatal period (P26)	101 16.7	100 16.5	78 12.8	22 3.6	1 *
Chronic respiratory disease originating in the perinatal period (P27)	132 21.7	18 *	2 *	16 *	114 18.7
Atelectasis (P28.0-P28.1)	138 22.7	137 22.6	129 21.2	8 *	1 *
All other respiratory conditions originating in the perinatal period (P28.2-P28.9)	18 *	16 *	10 *	6 *	2 *
Infections specific to the perinatal period (P35-P39)	281 46.4	257 42.4	107 17.7	150 24.7	24 4.0
Bacterial sepsis of newborn (P36)	229 37.7	212 34.9	88 14.5	124 20.4	17 *
Omphalitis of newborn with or without mild hemorrhage (P38)	- -	- -	- -	- -	- -
All other infections specific to the perinatal period (P35,P37,P39)	52 8.7	45 7.5	19 *	26 4.3	7 *
Hemorrhagic and hematological disorders of newborn (P50-P61)	140 23.1	137 22.6	97 15.9	40 6.6	3 *
Neonatal hemorrhage (P50-P52,P54)	103 17.0	101 16.7	66 10.9	35 5.8	2 *
Hemorrhagic disease of newborn (P53)	- -	- -	- -	- -	- -
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)	2 *	2 *	1 *	1 *	- -
Hematologic disorders (P60-P61)	35 5.7	34 5.6	30 4.9	4 *	1 *
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)	4 *	4 *	3 *	1 *	- -

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Black					
Necrotizing enterocolitis of newborn (P77)	138 22.7	116 19.2	10 *	106 17.6	21 3.5
Hydrops fetalis not due to hemolytic disease (P83.2)	16 *	16 *	14 *	2 *	- -
Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81, P83.0-P83.1,P83.3-P83.9,P90-P96)	393 64.8	383 63.1	328 54.0	55 9.1	10 *
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	982 162.1	650 107.3	488 80.5	162 26.8	332 54.8
Anencephaly and similar malformations (Q00)	30 4.9	29 4.7	28 4.5	1 *	1 *
Congenital hydrocephalus (Q03)	19 *	14 *	9 *	5 *	5 *
Spina bifida (Q05)	3 *	1 *	1 *	- -	2 *
Other congenital malformations of nervous system (Q01-Q02,Q04, Q06-Q07)	49 8.0	25 4.2	22 3.7	3 *	23 3.8
Congenital malformations of heart (Q20-Q24)	291 48.1	141 23.2	69 11.4	71 11.8	151 24.9
Other congenital malformations of circulatory system (Q25-Q28)	38 6.3	25 4.2	16 *	9 *	13 *
Congenital malformations of respiratory system (Q30-Q34)	127 21.0	113 18.6	107 17.7	6 *	14 *
Congenital malformations of digestive system (Q35-Q45)	17 *	6 *	4 *	2 *	11 *
Congenital malformations of genitourinary system (Q50-Q64)	62 10.2	57 9.3	50 8.3	6 *	5 *
Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65-Q85)	87 14.3	62 10.2	50 8.2	12 *	25 4.1
Down's syndrome (Q90)	14 *	6 *	6 *	- -	8 *
Edward's syndrome (Q91.0-Q91.3)	73 12.1	43 7.1	22 3.6	21 3.5	30 5.0
Patau's syndrome (Q91.4-Q91.7)	44 7.3	38 6.3	25 4.2	13 *	6 *
Other congenital malformations and deformations (Q10-Q18,Q86-Q89)	89 14.7	65 10.7	59 9.7	6 *	24 4.0
Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)	38 6.3	25 4.2	19 *	6 *	13 *
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	1,006 166.0	108 17.8	46 7.5	62 10.3	898 148.2
Sudden infant death syndrome (R95)	688 113.5	39 6.5	6 *	33 5.5	649 107.1
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	318 52.5	69 11.3	39 6.5	29 4.8	249 41.1
All other diseases (Residual)	5 *	4 *	3 *	1 *	1 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Black					
External causes of mortality (V01-Y84)	390 64.3	46 7.6	18 *	28 4.6	343 56.6
Accidents (unintentional injuries) (V01-X59)	251 41.5	27 4.5	6 *	21 3.5	224 37.0
Transport accidents (V01-V99)	20 3.3	1 *	1 *	- -	19 *
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)	18 *	1 *	1 *	- -	17 *
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)	2 *	- -	- -	- -	2 *
Falls (W00-W19)	6 *	2 *	1 *	1 *	4 *
Accidental discharge of firearms (W32-W34)	- -	- -	- -	- -	- -
Accidental drowning and submersion (W65-W74)	11 *	- -	- -	- -	11 *
Accidental suffocation and strangulation in bed (W75)	110 18.1	15 *	3 *	12 *	95 15.6
Other accidental suffocation and strangulation (W76-W77,W81-W84)	55 9.1	6 *	- -	6 *	49 8.1
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	17 *	1 *	- -	1 *	16 *
Accidents caused by exposure to smoke fire and flames (X00-X99)	17 *	- -	- -	- -	17 *
Accidental poisoning and exposure to noxious substances (X40-X49)	6 *	1 *	1 *	- -	5 *
Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39 X50-X59)	9 *	1 *	- -	1 *	8 *
Assault (homicide) (*U01,X85-Y09)	99 16.3	12 *	8 *	4 *	87 14.3
Assault (homicide) by hanging, strangulation and suffocation (X91)	11 *	3 *	3 *	- -	8 *
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	2 *	- -	- -	- -	2 *
Neglect, abandonment and other maltreatment syndromes (Y06-Y07)	38 6.3	2 *	2 *	- -	36 6.0
Assault (homicide) by other and unspecified means (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09)	47 7.8	7 *	3 *	4 *	40 6.6
Complications of medical and surgical care (Y40-Y84)	8 *	2 *	1 *	1 *	6 *
Other external causes (X60-X84,Y10-Y36)	31 5.2	5 *	3 *	2 *	26 4.3

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
American Indian					
All causes	404 965.0	176 420.9	129 307.8	47 113.1	228 544.1
Certain infectious and parasitic diseases (A00-B99)	10 *	- -	- -	- -	10 *
Certain intestinal infectious diseases (A00-A08)	- -	- -	- -	- -	- -
Diarrhea and gastroenteritis of presumed infectious origin (A09)	- -	- -	- -	- -	- -
Tuberculosis (A16-A19)	- -	- -	- -	- -	- -
Tetanus (A33-A35)	- -	- -	- -	- -	- -
Diphtheria (A36)	- -	- -	- -	- -	- -
Whooping cough (A37)	- -	- -	- -	- -	- -
Meningococcal infection (A39)	- -	- -	- -	- -	- -
Septicemia (A40-A41)	4 *	- -	- -	- -	4 *
Congenital syphilis (A50)	- -	- -	- -	- -	- -
Gonococcal infection A(54)	- -	- -	- -	- -	- -
Viral diseases (A80-B34)	6 *	- -	- -	- -	6 *
Acute poliomyelitis (A80)	- -	- -	- -	- -	- -
Varicella (chickenpox) (B01)	- -	- -	- -	- -	- -
Measles (B05)	- -	- -	- -	- -	- -
Human immunodeficiency virus (HIV) disease (B20-B24)	1 *	- -	- -	- -	1 *
Mumps (B26)	- -	- -	- -	- -	- -
Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19, B25,B27-B34)	5 *	- -	- -	- -	5 *
Candidiasis (B37)	- -	- -	- -	- -	- -
Malaria (B50-B54)	- -	- -	- -	- -	- -
Pneumocystosis(B59)	- -	- -	- -	- -	- -
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)	- -	- -	- -	- -	- -
Neoplasms (C00-D48)	5 *	- -	- -	- -	5 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
American Indian					
Malignant neoplasms (C00-C97)	3 *	-	-	-	3 *
Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)	-	-	-	-	-
Leukemia (C91-C95)	1 *	-	-	-	1 *
Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)	2 *	-	-	-	2 *
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	2 *	-	-	-	2 *
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)	3 *	-	-	-	3 *
Anemias (D50-D64)	-	-	-	-	-
Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)	2 *	-	-	-	2 *
Certain disorders involving the immune mechanism (D80-D89)	1 *	-	-	-	1 *
Endocrine, nutritional and metabolic diseases (E00-E88)	1 *	1 *	-	1 *	-
Short stature, not elsewhere classified (E34.3)	-	-	-	-	-
Nutritional deficiencies(E40-E64)	-	-	-	-	-
Cystic fibrosis (E84)	-	-	-	-	-
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	1 *	1 *	-	1 *	-
All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	-	-	-	-	-
Diseases of the nervous system (G00-G98)	6 *	1 *	1 *	-	5 *
Meningitis (G00,G03)	1 *	-	-	-	1 *
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)	-	-	-	-	-
Infantile cerebral palsy (G80)	-	-	-	-	-
Anoxic brain damage, not elsewhere classified (G93.1)	2 *	-	-	-	2 *
Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72 G81-G92,G93.0,G93.2-G93.9,G95-G98)	3 *	1 *	1 *	-	2 *
Diseases of the ear and mastoid process (H60-H93)	-	-	-	-	-
Diseases of the circulatory system (I00-I99)	10 *	3 *	2 *	1 *	7 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

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Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
American Indian					
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	-	-	-	-	-
Pericarditis, endocarditis and myocarditis (I30,I33,I40)	1*	-	-	-	1*
Cardiomyopathy (I42)	3*	-	-	-	3*
Cardiac arrest (I46)	1*	-	-	-	1*
Cerebrovascular diseases (I60-I69)	1*	1*	1*	-	-
All other diseases of circulatory system (I00-I25,I31,I34-I38, I44-I45,I47-I51,I70-I99)	4*	2*	1*	1*	2*
Diseases of the respiratory system (J00-J98)	26 62.6	-	-	-	26 62.6
Acute upper respiratory infections (J00-J06)	1*	-	-	-	1*
Influenza and pneumonia (J10-J18)	16*	-	-	-	16*
Influenza (J10-J11)	1*	-	-	-	1*
Pneumonia (J12-J18)	15*	-	-	-	15*
Acute bronchitis and acute bronchiolitis (J20-J21)	2*	-	-	-	2*
Bronchitis, chronic and unspecified (J40-J42)	1*	-	-	-	1*
Asthma (J45-J46)	1*	-	-	-	1*
Pneumonitis due to solids and liquids (J69)	-	-	-	-	-
Other and unspecified diseases of respiratory system (J22,J30-J39, J43-J44,J47-J68,J70-J98)	5*	-	-	-	5*
Diseases of the digestive system (K00-K92)	5*	-	-	-	5*
Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	3*	-	-	-	3*
Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46, K56)	-	-	-	-	-
All other and unspecified diseases of digestive system (K00-K28, K30-K38,K57-K92)	2*	-	-	-	2*
Diseases of the genitourinary system (N00-N98)	2*	1*	1*	-	1*
Renal failure and other disorders of kidney (N17-N19,N25,N27)	1*	1*	1*	-	-
Other and unspecified diseases of genitourinary system (N00-N15, N20-N23,N26,N28-N98)	1*	-	-	-	1*

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
American Indian					
Certain conditions originating in the perinatal period (P00-P96)	129 307.3	118 280.8	92 220.6	25 60.2	11 *
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	29 70.3	28 67.9	27 65.5	1 *	1 *
Newborn affected by maternal hypertensive disorders (P00.0)	- -	- -	- -	- -	- -
Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	2 *	2 *	2 *	- -	- -
Newborn affected by maternal complications of pregnancy (P01)	14 *	14 *	14 *	- -	- -
Newborn affected by incompetent cervix (P01.0)	4 *	4 *	4 *	- -	- -
Newborn affected by premature rupture of membranes (P01.1)	10 *	10 *	10 *	- -	- -
Newborn affected by multiple pregnancy (P01.5)	- -	- -	- -	- -	- -
Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)	- -	- -	- -	- -	- -
Newborn affected by complications of placenta, cord and membranes (P02)	13 *	12 *	11 *	1 *	1 *
Newborn affected by complications involving placenta (P02.0-P02.3)	9 *	9 *	9 *	- -	- -
Newborn affected by complications involving cord (P02.4-P02.6)	2 *	1 *	- -	1 *	1 *
Newborn affected by chorioamnionitis (P02.7)	2 *	2 *	2 *	- -	- -
Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)	- -	- -	- -	- -	- -
Newborn affected by other complications of labor and delivery (P03)	- -	- -	- -	- -	- -
Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	- -	- -	- -	- -	- -
Disorders related to length of gestation and fetal malnutrition (P05-P08)	29 70.0	29 70.0	28 67.6	1 *	- -
Slow fetal growth and fetal malnutrition (P05)	1 *	1 *	- -	1 *	- -
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	28 67.6	28 67.6	28 67.6	- -	- -
Extremely low birth weight or extreme immaturity (P07.0,P07.2)	24 58.0	24 58.0	24 58.0	- -	- -
Other low birth weight or preterm (P07.1,P07.3)	4 *	4 *	4 *	- -	- -
Disorders related to long gestation and high birth weight (P08)	- -	- -	- -	- -	- -

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
American Indian					
Birth trauma (P10-P15)	-	-	-	-	-
Intrauterine hypoxia and birth asphyxia (P20-P21)	6*	6*	6*	-	-
Intrauterine hypoxia (P20)	3*	3*	3*	-	-
Birth asphyxia (P21)	3*	3*	3*	-	-
Respiratory distress of newborn (P22)	9*	8*	6*	2*	1*
Other respiratory conditions originating in the perinatal period (P23-P28)	13*	11*	7*	4*	2*
Congenital pneumonia (P23)	-	-	-	-	-
Neonatal aspiration syndromes (P24)	3*	3*	2*	1*	-
Interstitial emphysema and related conditons originating in the perinatal period (P25)	-	-	-	-	-
Pulmonary hemorrhage originating in the perinatal period (P26)	-	-	-	-	-
Chronic respiratory disease originating in the perinatal period (P27)	3*	1*	-	1*	2*
Atelectasis (P28.0-P28.1)	6*	6*	5*	1*	-
All other respiratory conditions originating in the perinatal period (P28.2-P28.9)	1*	1*	-	1*	-
Infections specific to the perinatal period (P35-P39)	14*	11*	7*	4*	3*
Bacterial sepsis of newborn (P36)	7*	5*	4*	1*	2*
Omphalitis of newborn with or without mild hemorrhage (P38)	-	-	-	-	-
All other infections specific to the perinatal period (P35,P37,P39)	7*	6*	3*	3*	1*
Hemorrhagic and hematological disorders of newborn (P50-P61)	3*	3*	1*	2*	-
Neonatal hemorrhage (P50-P52,P54)	3*	3*	1*	2*	-
Hemorrhagic disease of newborn (P53)	-	-	-	-	-
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)	-	-	-	-	-
Hematologic disorders (P60-P61)	-	-	-	-	-
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)	1*	-	-	-	1*

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
American Indian					
Necrotizing enterocolitis of newborn (P77)	7 *	6 *	- -	6 *	1 *
Hydrops fetalis not due to hemolytic disease (P83.2)	1 *	- -	- -	- -	1 *
Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81, P83.0-P83.1,P83.3-P83.9,P90-P96)	15 *	14 *	9 *	5 *	1 *
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	65 154.7	40 94.5	29 70.3	10 *	25 60.2
Anencephaly and similar malformations (Q00)	3 *	3 *	3 *	- -	- -
Congenital hydrocephalus (Q03)	1 *	1 *	1 *	- -	- -
Spina bifida (Q05)	- -	- -	- -	- -	- -
Other congenital malformations of nervous system (Q01-Q02,Q04, Q06-Q07)	5 *	3 *	3 *	- -	2 *
Congenital malformations of heart (Q20-Q24)	22 53.1	9 *	2 *	7 *	13 *
Other congenital malformations of circulatory system (Q25-Q28)	3 *	2 *	2 *	- -	1 *
Congenital malformations of respiratory system (Q30-Q34)	4 *	4 *	4 *	- -	- -
Congenital malformations of digestive system (Q35-Q45)	3 *	2 *	1 *	1 *	1 *
Congenital malformations of genitourinary system (Q50-Q64)	4 *	4 *	4 *	- -	- -
Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65-Q85)	4 *	2 *	1 *	1 *	2 *
Down's syndrome (Q90)	2 *	- -	- -	- -	2 *
Edward's syndrome (Q91.0-Q91.3)	2 *	2 *	2 *	- -	- -
Patau's syndrome (Q91.4-Q91.7)	2 *	1 *	1 *	- -	1 *
Other congenital malformations and deformations (Q10-Q18,Q86-Q89)	6 *	4 *	3 *	1 *	2 *
Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)	3 *	2 *	2 *	- -	1 *
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	92 219.0	11 *	3 *	8 *	81 192.5
Sudden infant death syndrome (R95)	61 146.6	8 *	1 *	7 *	53 127.5
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	30 72.4	3 *	2 *	1 *	27 65.1
All other diseases (Residual)	1 *	- -	- -	- -	1 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
American Indian					
External causes of mortality (V01-Y84)	49 117.8	2 *	- -	2 *	47 113.0
Accidents (unintentional injuries) (V01-X59)	37 88.9	1 *	- -	1 *	36 86.5
Transport accidents (V01-V99)	9 *	1 *	- -	1 *	8 *
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)	8 *	1 *	- -	1 *	7 *
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)	1 *	- -	- -	- -	1 *
Falls (W00-W19)	1 *	- -	- -	- -	1 *
Accidental discharge of firearms (W32-W34)	- -	- -	- -	- -	- -
Accidental drowning and submersion (W65-W74)	3 *	- -	- -	- -	3 *
Accidental suffocation and strangulation in bed (W75)	17 *	- -	- -	- -	17 *
Other accidental suffocation and strangulation (W76-W77,W81-W84)	4 *	- -	- -	- -	4 *
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	1 *	- -	- -	- -	1 *
Accidents caused by exposure to smoke fire and flames (X00-X99)	- -	- -	- -	- -	- -
Accidental poisoning and exposure to noxious substances (X40-X49)	- -	- -	- -	- -	- -
Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39 X50-X59)	2 *	- -	- -	- -	2 *
Assault (homicide) (*U01,X85-Y09)	9 *	1 *	- -	1 *	8 *
Assault (homicide) by hanging, strangulation and suffocation (X91)	1 *	- -	- -	- -	1 *
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	1 *	- -	- -	- -	1 *
Neglect, abandonment and other maltreatment syndromes (Y06-Y07)	3 *	- -	- -	- -	3 *
Assault (homicide) by other and unspecified means (*U01.0-*U01.3,*U01.5-*U01.9,X85-X90,X92,X96-X99,Y00-Y05,Y08-Y09)	4 *	1 *	- -	1 *	3 *
Complications of medical and surgical care (Y40-Y84)	- -	- -	- -	- -	- -
Other external causes (X60-X84,Y10-Y36)	3 *	- -	- -	- -	3 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Asian/Pacific islander					
All causes	947 473.0	624 311.8	496 247.8	128 64.0	323 161.2
Certain infectious and parasitic diseases (A00-B99)	23 11.6	1 *	1 *	- -	22 11.1
Certain intestinal infectious diseases (A00-A08)	2 *	- -	- -	- -	2 *
Diarrhea and gastroenteritis of presumed infectious origin (A09)	- -	- -	- -	- -	- -
Tuberculosis (A16-A19)	2 *	- -	- -	- -	2 *
Tetanus (A33-A35)	- -	- -	- -	- -	- -
Diphtheria (A36)	- -	- -	- -	- -	- -
Whooping cough (A37)	- -	- -	- -	- -	- -
Meningococcal infection (A39)	- -	- -	- -	- -	- -
Septicemia (A40-A41)	12 *	- -	- -	- -	12 *
Congenital syphilis (A50)	1 *	1 *	1 *	- -	- -
Gonococcal infection A(54)	- -	- -	- -	- -	- -
Viral diseases (A80-B34)	3 *	- -	- -	- -	3 *
Acute poliomyelitis (A80)	- -	- -	- -	- -	- -
Varicella (chickenpox) (B01)	1 *	- -	- -	- -	1 *
Measles (B05)	- -	- -	- -	- -	- -
Human immunodeficiency virus (HIV) disease (B20-B24)	- -	- -	- -	- -	- -
Mumps (B26)	- -	- -	- -	- -	- -
Other and unspecified viral diseases (A81-B00,B02-B04,B06-B19, B25,B27-B34)	2 *	- -	- -	- -	2 *
Candidiasis (B37)	1 *	- -	- -	- -	1 *
Malaria (B50-B54)	- -	- -	- -	- -	- -
Pneumocystosis(B59)	- -	- -	- -	- -	- -
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)	2 *	- -	- -	- -	2 *
Neoplasms (C00-D48)	6 *	1 *	1 *	- -	5 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Asian/Pacific islander					
Malignant neoplasms (C00-C97)	4 *	1 *	1 *	- -	3 *
Hodgkin's disease and non-Hodgkin's lymphomas (C81-C85)	- -	- -	- -	- -	- -
Leukemia (C91-C95)	1 *	- -	- -	- -	1 *
Other and unspecified malignant neoplasms (C00-C80,C88,C90,C96-C97)	3 *	1 *	1 *	- -	2 *
In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior (D00-D48)	2 *	- -	- -	- -	2 *
Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism (D50-D89)					
Anemias (D50-D64)	5 *	4 *	4 *	- -	1 *
Hemorrhagic conditions and other diseases of blood and blood-forming organs (D65-D76)	6 *	- -	- -	- -	6 *
Certain disorders involving the immune mechanism (D80-D89)	- -	- -	- -	- -	- -
Endocrine, nutritional and metabolic diseases (E00-E88)					
Short stature, not elsewhere classified (E34.3)	- -	- -	- -	- -	- -
Nutritional deficiencies(E40-E64)	- -	- -	- -	- -	- -
Cystic fibrosis (E84)	- -	- -	- -	- -	- -
Volume depletion, disorders of fluid, electrolyte and acid-base balance (E86-E87)	4 *	1 *	- -	1 *	3 *
All other endocrine, nutritional and metabolic diseases (E00-E32,E34.0-E34.2,E34.4-E34.9,E65-E83,E85,E88)	11 *	4 *	2 *	2 *	7 *
Diseases of the nervous system (G00-G98)					
Meningitis (G00,G03)	1 *	- -	- -	- -	1 *
Infantile spinal muscular atrophy, type I (Werdnig-Hoffman) (G12.0)	2 *	- -	- -	- -	2 *
Infantile cerebral palsy (G80)	3 *	- -	- -	- -	3 *
Anoxic brain damage, not elsewhere classified (G93.1)	- -	- -	- -	- -	- -
Other diseases of nervous system (G04,G06-G11,G12.1-G12.9,G20-G72 G81-G92,G93.0,G93.2-G93.9,G95-G98)	9 *	3 *	2 *	1 *	6 *
Diseases of the ear and mastoid process (H60-H93)	- -	- -	- -	- -	- -
Diseases of the circulatory system (I00-I99)	21 10.6	10 *	9 *	1 *	11 *

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Asian/Pacific islander					
Pulmonary heart disease and diseases of pulmonary circulation (I26-I28)	11 *	8 *	8 *	-	3 *
Pericarditis, endocarditis and myocarditis (I30,I33,I40)	-	-	-	-	-
Cardiomyopathy (I42)	2 *	1 *	1 *	-	1 *
Cardiac arrest (I46)	1 *	-	-	-	1 *
Cerebrovascular diseases (I60-I69)	5 *	-	-	-	5 *
All other diseases of circulatory system (I00-I25,I31,I34-I38, I44-I45,I47-I51,I70-I99)	2 *	1 *	-	1 *	1 *
Diseases of the respiratory system (J00-J98)	26 13.1	4 *	3 *	1 *	22 11.1
Acute upper respiratory infections (J00-J06)	1 *	-	-	-	1 *
Influenza and pneumonia (J10-J18)	9 *	-	-	-	9 *
Influenza (J10-J11)	-	-	-	-	-
Pneumonia (J12-J18)	9 *	-	-	-	9 *
Acute bronchitis and acute bronchiolitis (J20-J21)	1 *	-	-	-	1 *
Bronchitis, chronic and unspecified (J40-J42)	-	-	-	-	-
Asthma (J45-J46)	-	-	-	-	-
Pneumonitis due to solids and liquids (J69)	-	-	-	-	-
Other and unspecified diseases of respiratory system (J22,J30-J39, J43-J44,J47-J68,J70-J98)	15 *	4 *	3 *	1 *	11 *
Diseases of the digestive system (K00-K92)	16 *	1 *	1 *	-	15 *
Gastritis, duodenitis, and noninfective enteritis and colitis (K29,K50-K55)	3 *	-	-	-	3 *
Hernia of abdominal cavity and intestinal obstruction without hernia (K40-K46, K56)	2 *	1 *	1 *	-	1 *
All other and unspecified diseases of digestive system (K00-K28, K30-K38,K57-K92)	11 *	-	-	-	11 *
Diseases of the genitourinary system (N00-N98)	-	-	-	-	-
Renal failure and other disorders of kidney (N17-N19,N25,N27)	-	-	-	-	-
Other and unspecified diseases of genitourinary system (N00-N15, N20-N23,N26,N28-N98)	-	-	-	-	-

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Asian/Pacific islander					
Certain conditions originating in the perinatal period (P00-P96)	458 228.7	427 213.1	360 179.9	67 33.2	31 15.6
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery (P00-P04)	77 38.4	74 36.8	73 36.3	1 *	3 *
Newborn affected by maternal hypertensive disorders (P00.0)	1 *	1 *	1 *	- -	- -
Newborn affected by other maternal conditions which may be unrelated to present pregnancy (P00.1-P00.9)	4 *	2 *	2 *	- -	2 *
Newborn affected by maternal complications of pregnancy (P01)	38 19.2	38 19.2	37 18.7	1 *	- -
Newborn affected by incompetent cervix (P01.0)	13 *	13 *	13 *	- -	- -
Newborn affected by premature rupture of membranes (P01.1)	16 *	16 *	16 *	- -	- -
Newborn affected by multiple pregnancy (P01.5)	3 *	3 *	3 *	- -	- -
Newborn affected by other maternal complications of pregnancy (P01.2-P01.4,P01.6-P01.9)	6 *	6 *	5 *	1 *	- -
Newborn affected by complications of placenta, cord and membranes (P02)	25 12.6	25 12.6	25 12.6	- -	- -
Newborn affected by complications involving placenta (P02.0-P02.3)	9 *	9 *	9 *	- -	- -
Newborn affected by complications involving cord (P02.4-P02.6)	1 *	1 *	1 *	- -	- -
Newborn affected by chorioamnionitis (P02.7)	15 *	15 *	15 *	- -	- -
Newborn affected by other and unspecified abnormalities of membranes (P02.8-P02.9)	- -	- -	- -	- -	- -
Newborn affected by other complications of labor and delivery (P03)	8 *	7 *	7 *	- -	1 *
Newborn affected by noxious influences transmitted via placenta or breast milk (P04)	- -	- -	- -	- -	- -
Disorders related to length of gestation and fetal malnutrition (P05-P08)	142 70.9	141 70.4	137 68.4	4 *	1 *
Slow fetal growth and fetal malnutrition (P05)	4 *	4 *	3 *	1 *	- -
Disorders related to short gestation and low birth weight, not elsewhere classified (P07)	138 68.9	137 68.4	134 66.9	3 *	1 *
Extremely low birth weight or extreme immaturity (P07.0,P07.2)	100 49.7	99 49.2	97 48.2	2 *	1 *
Other low birth weight or preterm (P07.1,P07.3)	38 19.2	38 19.2	37 18.7	1 *	- -
Disorders related to long gestation and high birth weight (P08)	- -	- -	- -	- -	- -

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Asian/Pacific islander					
Birth trauma (P10-P15)	4 *	3 *	2 *	1 *	1 *
Intrauterine hypoxia and birth asphyxia (P20-P21)	16 *	15 *	11 *	4 *	1 *
Intrauterine hypoxia (P20)	4 *	4 *	3 *	1 *	- -
Birth asphyxia (P21)	12 *	11 *	8 *	3 *	1 *
Respiratory distress of newborn (P22)	31 15.7	28 14.2	23 11.6	5 *	3 *
Other respiratory conditions originating in the perinatal period (P23-P28)	44 21.8	34 16.8	25 12.7	8 *	10 *
Congenital pneumonia (P23)	1 *	- -	- -	- -	1 *
Neonatal aspiration syndromes (P24)	1 *	1 *	1 *	- -	- -
Interstitial emphysema and related conditons originating in the perinatal period (P25)	8 *	7 *	3 *	4 *	1 *
Pulmonary hemorrhage originating in the perinatal period (P26)	10 *	10 *	7 *	3 *	- -
Chronic respiratory disease originating in the perinatal period (P27)	8 *	1 *	1 *	- -	7 *
Atelectasis (P28.0-P28.1)	12 *	11 *	10 *	1 *	1 *
All other respiratory conditions originating in the perinatal period (P28.2-P28.9)	3 *	3 *	3 *	- -	- -
Infections specific to the perinatal period (P35-P39)	27 13.6	24 12.1	11 *	13 *	3 *
Bacterial sepsis of newborn (P36)	20 10.1	18 *	8 *	10 *	2 *
Omphalitis of newborn with or without mild hemorrhage (P38)	- -	- -	- -	- -	- -
All other infections specific to the perinatal period (P35,P37,P39)	7 *	6 *	3 *	3 *	1 *
Hemorrhagic and hematological disorders of newborn (P50-P61)	26 13.2	26 13.2	21 10.7	5 *	- -
Neonatal hemorrhage (P50-P52,P54)	18 *	18 *	14 *	4 *	- -
Hemorrhagic disease of newborn (P53)	- -	- -	- -	- -	- -
Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice (P55-P59)	2 *	2 *	2 *	- -	- -
Hematologic disorders (P60-P61)	6 *	6 *	5 *	1 *	- -
Syndrome of infant of a diabetic mother and neonatal diabetes mellitus (P70.0-P70.2)	- -	- -	- -	- -	- -

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Asian/Pacific islander					
Necrotizing enterocolitis of newborn (P77)	18 *	15 *	1 *	14 *	3 *
Hydrops fetalis not due to hemolytic disease (P83.2)	14 *	13 *	9 *	4 *	1 *
Other perinatal conditions (P29,P70.3-P70.9,P71-P76,P78-P81, P83.0-P83.1,P83.3-P83.9,P90-P96)	58 28.8	53 26.3	46 22.8	7 *	5 *
Congenital malformations, deformations and chromosomal abnormalities (Q00-Q99)	230 114.7	151 75.4	105 52.2	47 23.2	79 39.3
Anencephaly and similar malformations (Q00)	8 *	8 *	8 *	- -	- -
Congenital hydrocephalus (Q03)	4 *	3 *	1 *	2 *	1 *
Spina bifida (Q05)	1 *	1 *	1 *	- -	- -
Other congenital malformations of nervous system (Q01-Q02,Q04, Q06-Q07)	12 *	6 *	2 *	4 *	6 *
Congenital malformations of heart (Q20-Q24)	65 32.3	34 17.2	16 *	18 *	30 15.1
Other congenital malformations of circulatory system (Q25-Q28)	9 *	4 *	2 *	2 *	5 *
Congenital malformations of respiratory system (Q30-Q34)	18 *	16 *	13 *	3 *	2 *
Congenital malformations of digestive system (Q35-Q45)	8 *	- -	- -	- -	8 *
Congenital malformations of genitourinary system (Q50-Q64)	11 *	11 *	10 *	1 *	- -
Congenital malformations and deformations of musculoskeletal system, limbs and integument (Q65-Q85)	28 14.2	23 11.7	18 *	5 *	5 *
Down's syndrome (Q90)	5 *	5 *	4 *	1 *	- -
Edward's syndrome (Q91.0-Q91.3)	18 *	12 *	10 *	2 *	6 *
Patau's syndrome (Q91.4-Q91.7)	9 *	7 *	3 *	4 *	2 *
Other congenital malformations and deformations (Q10-Q18,Q86-Q89)	18 *	13 *	11 *	2 *	5 *
Other chromosomal abnormalities, not elsewhere classified (Q92-Q99)	14 *	6 *	4 *	2 *	8 *
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)	91 45.4	13 *	5 *	8 *	78 38.8
Sudden infant death syndrome (R95)	37 18.7	2 *	- -	2 *	35 17.7
Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R53,R55-R94,R96-R99)	54 26.7	11 *	5 *	6 *	42 21.1
All other diseases (Residual)	- -	- -	- -	- -	- -

See footnotes at end of table.

Table 45. Infant deaths, and infant mortality rates by race of mother and 130 selected causes of infant death: United States, 2001 period data — Continued

[Infant deaths weighted. Infant deaths are under 1 year. Neonatal deaths are under 28 days; early neonatal, 0-6 days; late neonatal 7-27 days; and postneonatal, 28 days through 11 months. Rates are per 100,000 live births. Race is according to race reported on the matching birth certificate]

Race of mother and cause of death	Infant deaths	Total neonatal	Early neonatal	Late neonatal	Post-neonatal
Asian/Pacific islander					
External causes of mortality (V01-Y84)	34 17.2	4 *	3 *	1 *	30 15.1
Accidents (unintentional injuries) (V01-X59)	24 12.1	2 *	1 *	1 *	22 11.1
Transport accidents (V01-V99)	6 *	- -	- -	- -	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)	6 *	- -	- -	- -	6 *
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)	- -	- -	- -	- -	- -
Falls (W00-W19)	2 *	- -	- -	- -	2 *
Accidental discharge of firearms (W32-W34)	- -	- -	- -	- -	- -
Accidental drowning and submersion (W65-W74)	1 *	- -	- -	- -	1 *
Accidental suffocation and strangulation in bed (W75)	6 *	1 *	- -	1 *	5 *
Other accidental suffocation and strangulation (W76-W77,W81-W84)	3 *	- -	- -	- -	3 *
Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract (W78-W80)	2 *	- -	- -	- -	2 *
Accidents caused by exposure to smoke fire and flames (X00-X99)	- -	- -	- -	- -	- -
Accidental poisoning and exposure to noxious substances (X40-X49)	- -	- -	- -	- -	- -
Other and unspecified accidents (W20-W31,W35-W64,W85-W99,X10-X39 X50-X59)	4 *	1 *	1 *	- -	3 *
Assault (homicide) (*U01,X85-Y09)	9 *	2 *	2 *	- -	7 *
Assault (homicide) by hanging, strangulation and suffocation (X91)	- -	- -	- -	- -	- -
Assault (homicide) by discharge of firearms (*U01.4,X93-X95)	1 *	- -	- -	- -	1 *
Neglect, abandonment and other maltreatment syndromes (Y06-Y07)	1 *	1 *	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)	7 *	1 *	1 *	- -	6 *
Complications of medical and surgical care (Y40-Y84)	- -	- -	- -	- -	- -
Other external causes (X60-X84,Y10-Y36)	1 *	- -	- -	- -	1 *

- Quantity zero.

* Figure does not meet standards of reliability or precision.