

**TABLE 4-11. NUMBER AND PERCENT OF INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND INFANT MORTALITY RATES FROM SELECTED CAUSES, CALIFORNIA 2005
(By Place of Residence) (Infant mortality rates are per 100,000 live births)**

ICD CODES REV. 10	CAUSES OF INFANT DEATH	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
		NUMBER	RATE	PERCENT ¹	NUMBER	RATE	PERCENT ¹	NUMBER	RATE	PERCENT ¹
A00-Y89	TOTAL, ALL CAUSES	2,913	530.9	100.0	1,977	360.3	100.0	936	170.6	100.0
P00-P96	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1,483	270.3	50.9	1,404	255.9	71.0	79	14.4	8.4
P00-P04	MATERNAL FACTORS, COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	297	54.1	10.2	289	52.7	14.6	8	1.5	0.9
P00	MATERNAL HYPERTENSIVE DISORDERS, OR OTHER CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	12	2.2	0.4	12	2.2	0.6	-	-	-
P01	# NEWBORN AFFECTED BY MATERNAL COMPL. OF PREGNANCY	174	31.7	6.0	171	31.2	8.6	3	a	0.3
P01.0	INCOMPETENT CERVIX	50	9.1	1.7	50	9.1	2.5	-	-	-
P01.1	PREMATURE RUPTURE OF MEMBRANES	91	16.6	3.1	91	16.6	4.6	-	-	-
P01.5	MULTIPLE PREGNANCY	19	3.5	0.7	17	3.1	0.9	2	a	0.2
RESIDUAL	OTHER MATERNAL COMPLICATIONS	14	2.6	0.5	13	2.4	0.7	1	a	0.1
P02	# NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA CORD AND MEMBRANES	90	16.4	3.1	88	16.0	4.5	2	a	0.2
P03	# NEWBORN AFFECTED BY OTHER COMPLICATIONS OF LABOR AND DELIVERY	11	2.0	0.4	10	1.8	0.5	1	a	0.1
P04	# NEWBORN AFFECTED BY NOXIOUS INFLUENCES TRANSMITTED VIA PLACENTA OR BREAST MILK	10	1.8	0.3	8	1.5	0.4	2	a	0.2
P05-P08	DISORDERS OF GESTATION LENGTH OR FETAL MALNUTRITION	462	84.2	15.9	456	83.1	23.1	6	1.1	0.6
P05	# SLOW FETAL GROWTH AND FETAL MALNUTRITION	9	1.6	0.3	9	1.6	0.5	-	-	-
P07	# DISORDERS RELATING TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	453	82.6	15.6	447	81.5	22.6	6	1.1	0.6
P07.0, P07.2	EXTREME LOW BIRTHWEIGHT OR EXTREME IMMATUREITY	394	71.8	13.5	391	71.3	19.8	3	a	0.3
P07.1, P07.3	OTHER LOW BIRTHWEIGHT OR PRETERM	59	10.8	2.0	56	10.2	2.8	3	a	0.3
P10-P15	# BIRTH TRAUMA	4	a	0.1	3	a	0.2	1	a	0.1
P20-P29	RESPIRATORY & CARDIOVASCULAR DISORDERS SPECIFIC TO THE PERINATAL PERIOD	431	78.5	14.8	399	72.7	20.2	32	5.8	3.4
P20-P21	# INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	62	11.3	2.1	58	10.6	2.9	4	a	0.4
P22	# RESPIRATORY DISTRESS OF NEWBORN	89	16.2	3.1	88	16.0	4.5	1	a	0.1
P23	# CONGENITAL PNEUMONIA	14	2.6	0.5	12	2.2	0.6	2	a	0.2
P24	# NEONATAL ASPIRATION SYNDROMES	4	a	0.1	4	a	0.2	-	-	-
P25	# INTERSTITIAL EMPHYSEMA & RELATED CONDITIONS	11	2.0	0.4	11	2.0	0.6	-	-	-
P26	# PULMONARY HEMORRHAGE	15	2.7	0.5	15	2.7	0.8	-	-	-
P27	# CHRONIC RESPIRATORY DISEASE	24	4.4	0.8	1	a	0.1	23	4.2	2.5
P28.0-P28.1	# ATELECTASIS	39	7.1	1.3	39	7.1	2.0	-	-	-
P28.2-P28.9	OTHER RESPIRATORY	6	1.1	0.2	6	1.1	0.3	-	-	-
P29	CARDIOVASCULAR DISORDERS	167	30.4	5.7	165	30.1	8.3	2	0.4	0.2
P35-P39	PERINATAL INFECTIONS	86	15.7	3.0	76	13.9	3.8	10	1.8	1.1
P36	# BACTERIAL SEPSIS OF NEWBORN	68	12.4	2.3	62	11.3	3.1	6	1.1	0.6
P38	# OMPHALITIS WITH OR WITHOUT MILD HEMORRHAGE	1	a	b	1	a	0.1	-	-	-
P35,P37,P39	OTHER PERINATAL INFECTIONS	17	3.1	0.6	13	2.4	0.7	4	a	0.4
P50-P61	HEMORRHAGIC & HEMATOLOGICAL DISORDERS OF NEWBORN	103	18.8	3.5	98	17.9	5.0	5	0.9	0.5
P50-P52, P54	# NEONATAL HEMORRHAGE	89	16.2	3.1	84	15.3	4.2	5	0.9	0.5
P53,P55-P61	# OTHER HEMORRHAGIC & HEMATOLOGICAL CONDITIONS	14	2.6	0.5	14	2.6	0.7	-	-	-

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ICD CODES REV. 10	CAUSES OF INFANT DEATH	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
		NUMBER	RATE	PERCENT ¹	NUMBER	RATE	PERCENT ¹	NUMBER	RATE	PERCENT ¹
P70-P96	RESIDUAL CONDITIONS IN PERINATAL PERIOD	100	18.2	3.4	83	15.1	4.2	17	3.1	1.8
P70.0-P70.2	# SYNDROME OF INFANT OF A DIABETIC MOTHER AND NEONATAL DIABETES MELLITUS	2	a	0.1	2	a	0.1	-	-	-
P77	# NECROTIZING ENTEROCOLITIS OF NEWBORN	44	8.0	1.5	33	6.0	1.7	11	2.0	1.2
P83.2	# HYDROPS FETALIS NOT DUE TO HEMOLYTIC DISEASE	17	3.1	0.6	15	2.7	0.8	2	a	0.2
RESIDUAL	OTHER PERINATAL CONDITIONS	37	6.7	1.3	33	6.0	1.7	4	a	0.4
Q00-Q99	# CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	684	124.7	23.5	467	85.1	23.6	217	39.5	23.2
Q00-Q07	CONGENITAL MALFORMATIONS OF THE NERVOUS SYSTEM	109	19.9	3.7	79	14.4	4.0	30	5.5	3.2
Q00	ANENCEPHALY AND SIMILAR MALFORMATIONS	39	7.1	1.3	38	6.9	1.9	1	a	0.1
Q03	CONGENITAL HYDROCEPHALUS	18	3.3	0.6	13	2.4	0.7	5	0.9	0.5
Q05	SPINA BIFIDA	1	a	b	1	a	0.1	-	-	-
RESIDUAL	OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	51	9.3	1.8	27	4.9	1.4	24	4.4	2.6
Q20-Q28	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	195	35.5	6.7	103	18.8	5.2	92	16.8	9.8
Q20-Q24	CONGENITAL MALFORMATIONS OF THE HEART	167	30.4	5.7	81	14.8	4.1	86	15.7	9.2
Q25-Q28	OTHER CONGENITAL MALFORMATIONS OF CIRCULATORY SYSTEM	28	5.1	1.0	22	4.0	1.1	6	1.1	0.6
Q30-Q34	CONGENITAL MALFORMATIONS OF THE RESPIRATORY SYSTEM	77	14.0	2.6	66	12.0	3.3	11	2.0	1.2
Q35-Q45	CONGENITAL MALFORMATIONS OF THE DIGESTIVE SYSTEM	9	1.6	0.3	3	a	0.2	6	1.1	0.6
Q50-Q64	CONGENITAL MALFORMATIONS OF THE GENITOURINARY SYSTEM	39	7.1	1.3	37	6.7	1.9	2	a	0.2
Q65-Q85	CONGENITAL MALFORMATIONS AND DEFORMATIONS OF MUSCULOSKELETAL SYSTEM, LIMBS AND INTEGUMENT	61	11.1	2.1	39	7.1	2.0	22	4.0	2.4
Q87-Q89	RESIDUAL CONGENITAL MALFORMATIONS, DEFORMATIONS & ABNORMALITIES	50	9.1	1.7	33	6.0	1.7	17	3.1	1.8
Q90-Q99	CHROMOSOMAL ABNORMALITIES, AND OTHERS NOT SPECIFIED	144	26.2	4.9	107	19.5	5.4	37	6.7	4.0
Q90	DOWN'S SYNDROME	15	2.7	0.5	6	1.1	0.3	9	1.6	1.0
Q91.0-Q91.3	EDWARD'S SYNDROME	56	10.2	1.9	45	8.2	2.3	11	2.0	1.2
Q91.4-Q91.7	PATAU'S SYNDROME	42	7.7	1.4	37	6.7	1.9	5	0.9	0.5
RESIDUAL	OTHER CHROMOSOMAL ABNORMALITIES	31	5.6	1.1	19	3.5	1.0	12	2.2	1.3
A00-B99	CERTAIN INFECTIOUS & PARASITIC DISEASES	47	8.6	1.6	3	a	0.2	44	8.0	4.7
A40-A41	# SEPTICEMIA	24	4.4	0.8	-	-	-	24	4.4	2.6
A80-B34	VIRAL DISEASES	11	2.0	0.4	1	a	0.1	10	1.8	1.1
RESIDUAL	OTHER INFECTIOUS AND PARASITIC DISEASES	12	2.2	0.4	2	a	0.1	10	1.8	1.1
C00-D48	NEOPLASMS	19	3.5	0.7	3	a	0.2	16	2.9	1.7
E00-E88	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASES	22	4.0	0.8	10	1.8	0.5	12	2.2	1.3
G00-G98	DISEASES OF THE NERVOUS SYSTEM	44	8.0	1.5	5	0.9	0.3	39	7.1	4.2
I00-I99	# DISEASES OF THE CIRCULATORY SYSTEM	44	8.0	1.5	15	2.7	0.8	29	5.3	3.1
I26-I28	PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	7	1.3	0.2	1	a	0.1	6	1.1	0.6
I42	CARDIOMYOPATHY	9	1.6	0.3	4	a	0.2	5	0.9	0.5
I60-I69	CEREBROVASCULAR DISEASES	10	1.8	0.3	3	a	0.2	7	1.3	0.7
RESIDUAL	OTHER DISEASES OF THE CIRCULATORY SYSTEM	18	3.3	0.6	7	1.3	0.4	11	2.0	1.2

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J00-J98	DISEASES OF THE RESPIRATORY SYSTEM	67	12.2	2.3	2	a	0.1	65	11.8	6.9
J10-J18	# INFLUENZA & PNEUMONIA	31	5.6	1.1	1	a	0.1	30	5.5	3.2
RESIDUAL	OTHER DISEASES OF THE RESPIRATORY SYSTEM	36	6.6	1.2	1	a	0.1	35	6.4	3.7
K00-K92	DISEASES OF THE DIGESTIVE SYSTEM	71	12.9	2.4	8	1.5	0.4	63	11.5	6.7
K29,K50-K55	# GASTRITIS, DUODENITIS, & NONINFECTIVE ENTERITIS & COLITIS	31	5.6	1.1	1	a	0.1	30	5.5	3.2
RESIDUAL	OTHER DISEASES OF THE DIGESTIVE SYSTEM	40	7.3	1.4	7	1.3	0.4	33	6.0	3.5
N00-N95	DISEASES OF THE GENITOURINARY SYSTEM	18	3.3	0.6	9	1.6	0.5	9	1.6	1.0
N17-N19,N25,N27	# RENAL FAILURE AND OTHER KIDNEY DISORDERS	15	2.7	0.5	9	1.6	0.5	6	1.1	0.6
RESIDUAL	OTHER DISEASES OF THE GENITOURINARY SYSTEM	3	a	0.1	-	-	-	3	a	0.3
R00-R99	SYMPTOMS, SIGNS & ABNORMAL CLINICAL & LAB FINDINGS	281	51.2	9.6	29	5.3	1.5	252	45.9	26.9
R95	# SUDDEN INFANT DEATH SYNDROME	151	27.5	5.2	13	2.4	0.7	138	25.2	14.7
RESIDUAL	OTHER SYMPTOMS, SIGNS & ABNORMAL FINDINGS	130	23.7	4.5	16	2.9	0.8	114	20.8	12.2
U01, V01-Y84	EXTERNAL CAUSES OF MORTALITY	112	20.4	3.8	14	2.6	0.7	98	17.9	10.5
V01-X59	# ACCIDENTS	65	11.8	2.2	8	1.5	0.4	57	10.4	6.1
U01, X85-Y09	# ASSAULT (HOMICIDE)	31	5.6	1.1	5	0.9	0.3	26	4.7	2.8
RESIDUAL	OTHER EXTERNAL CAUSES	16	2.9	0.5	1	a	0.1	15	2.7	1.6
ALL OTHER CAUSES	ALL OTHER CAUSES NOT SPECIFIC TO PERINATAL PERIOD	21	3.8	0.7	8	1.5	0.4	13	2.4	1.4

Causes of death marked with a "#" are rankable as leading causes of infant death. See NCHS' Instructional Manual Part 9: ICD-10 Cause of Death Listings for Tabulating Mortality Statistics

¹ Percents are rounded independently and may not add to totals.

- Represents zero events.

^a Rates are not calculated for fewer than five events.

^b Less than 0.05.

Note: Infant deaths are under one year of age. Neonatal deaths are deaths under 28 days of age. Postneonatal deaths are those occurring on the 28th day and up to one year of age.

Source: State of California, Department of Public Health, Birth and Death Records.