

TABLE 4-11. NUMBER AND PERCENT OF INFANT, NEONATAL, AND POSTNEONATAL DEATHS, AND INFANT MORTALITY RATES FROM SELECTED CAUSES, CALIFORNIA 2002 (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	2,875	543.2	100.0	1,922	363.2	100.0	953	180.1	100.0
P00-P96	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1,385	261.7	48.2	1,293	244.3	67.3	92	17.4	9.7
P00-P04	MATERNAL CONDITIONS	245	46.3	8.5	238	45.0	12.4	7	1.3	0.7
P00	NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	11	2.1	0.4	10	1.9	0.5	1	a	0.1
P01	# NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	113	21.4	3.9	112	21.2	5.8	1	a	0.1
P01.1	# PREMATURE RUPTURE OF MEMBRANES	55	10.4	1.9	55	10.4	2.9	-	-	-
P02	# NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	100	1.8	3.5	98	18.5	5.1	2	a	0.2
P03	# NEWBORN AFFECTED BY COMPLICATIONS OF LABOR AND DELIVERY	13	2.5	0.5	13	2.5	0.7	-	-	-
P04	# NEWBORN AFFECTED BY NOXIOUS INFLUENCE VIA PLACENTA OR BREAST MILK	8	1.5	0.3	5	0.9	0.3	3	a	0.3
P05-P08	DISORDERS RELATED TO LENGTH OF GESTATION OR MALNUTRITION	417	7.5	14.5	411	77.7	21.4	6	1.1	0.6
P05	# SLOW FETAL GROWTH AND FETAL MALNUTRITION	5	0.9	0.2	5	0.9	0.3	-	-	-
P07	# DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	412	77.8	14.3	406	76.7	21.1	6	1.1	0.6
P07.2	# EXTREME IMMATURITY	340	64.2	11.8	335	63.3	17.4	5	0.9	0.5
P10-P15	# BIRTH TRAUMA	42	7.9	1.5	41	7.7	2.1	1	a	0.1
P20-P28	RESPIRATORY CONDITIONS ORIGINATING IN PERINATAL PERIOD	253	47.8	8.8	201	38.0	10.5	52	9.8	5.5
P20-P21	# INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	63	11.9	2.2	57	10.8	3.0	6	1.1	0.6
P22	# RESPIRATORY DISTRESS OF NEWBORN	82	15.5	2.9	73	13.8	3.8	9	1.7	0.9
P23-P24	CONGENITAL PNEUMONIA & NEONATAL ASPIRATION SYNDROMES	18	3.4	0.6	14	2.6	0.7	4	a	0.4
P25	# INTERSTITIAL EMPHYSEMA & RELATED CONDITIONS	20	3.8	0.7	20	3.8	1.0	-	-	-
P26	# PULMONARY HEMORRHAGE	12	2.3	0.4	12	2.3	0.6	-	-	-
P27	# CHRONIC RESPIRATORY DISEASE	35	6.6	1.2	2	a	0.1	33	6.2	3.5
P28	# OTHER RESPIRATORY CONDITIONS	23	b	0.8	23	b	1.2	-	-	-
P29	CARDIOVASCULAR DISORDERS ORIGINATING IN PERINATAL PERIOD	219	4.0	7.6	217	41.0	11.3	2	a	0.2
P35-P39	PERINATAL INFECTIONS	67	12.7	2.3	57	10.8	3.0	10	1.9	1.0
P36	# BACTERIAL SEPSIS OF NEWBORN	46	8.7	1.6	43	8.1	2.2	3	a	0.3
P35,P37-P39	OTHER PERINATAL INFECTIONS	21	b	0.7	14	b	0.7	7	b	0.7
P50-P61	HEMORRHAGIC & HEMATOLOGICAL DISORDERS OF NEWBORN	53	10.0	1.8	50	9.4	2.6	3	a	0.3
P50-P52,P54	# NEONATAL HEMORRHAGE	42	7.9	1.5	40	7.6	2.1	2	a	0.2
RESIDUAL	OTHER HEMORRHAGIC & HEMATOLOGICAL CONDITIONS	11	b	0.4	10	b	0.5	1	b	0.1
P75-P78	DIGESTIVE SYSTEM DISORDERS OF NEWBORN	37	7.0	1.3	30	5.7	1.6	7	1.3	0.7
P80-P83	CONDITIONS OF INTEGUMENT & TEMPERATURE REGULATION	20	3.8	0.7	19	3.6	1.0	1	a	0.1
RESIDUAL	OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	32	b	1.1	29	b	1.5	3	b	0.3
Q00-Q99	# CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	723	136.6	25.1	492	93.0	25.6	231	43.6	24.2
Q00-Q07	CONGENITAL MALFORMATIONS OF THE NERVOUS SYSTEM	86	16.2	3.0	69	13.0	3.6	17	3.2	1.8
Q00	ANENCEPHALY AND SIMILAR MALFORMATIONS	40	7.6	1.4	40	7.6	2.1	-	-	-
Q20-Q28	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	235	44.4	8.2	114	21.5	5.9	121	22.9	12.7
Q20-Q24	OF THE HEART	210	39.7	7.3	98	18.5	5.1	112	21.2	11.8
Q25-Q28	OTHER	25	b	0.9	16	b	0.8	9	b	0.9
Q30-Q34	CONGENITAL MALFORMATIONS OF THE RESPIRATORY SYSTEM	83	15.7	2.9	73	13.8	3.8	10	1.9	1.0
Q33	OF THE LUNG	74	14.0	2.6	68	12.8	3.5	6	1.1	0.6
Q35-Q45	CONGENITAL MALFORMATIONS OF THE DIGESTIVE SYSTEM	13	2.5	0.5	4	a	0.2	9	1.7	0.9
Q50-Q64	CONGENITAL MALFORMATIONS OF THE GENITOURINARY SYSTEM	48	9.1	1.7	45	8.5	2.3	3	a	0.3
Q65-Q79	CONGENITAL MALFORMATIONS AND DEFORMATION OF MUSCULOSKELETAL SYSTEM	55	10.4	1.9	43	8.1	2.2	12	2.3	1.3
Q80-Q89	OTHER CONGENITAL MALFORMATIONS	66	b	2.3	42	b	2.2	24	b	2.5

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(Infant mortality rates are per 100,000 live births.) - Cont.

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
Q90-Q99	CHROMOSOMAL ABNORMALITIES, N.E.C.	136	25.7	4.7	102	19.3	5.3	34	6.4	3.6
Q90	DOWN'S SYNDROME	23	4.3	0.8	13	2.5	0.7	10	1.9	1.0
Q91.0-Q91.3	EDWARD'S SYNDROME	54	10.2	1.9	43	8.1	2.2	11	2.1	1.2
Q91.4-Q91.7	PATAU'S SYNDROME	38	7.2	1.3	29	5.5	1.5	9	1.7	0.9
RESIDUAL	OTHER CHROMOSOMAL ABNORMALITIES	21	b	0.7	17	b	0.9	4	b	0.4
RESIDUAL	OTHER CONGENITAL MALFORMATIONS, DEFORMATIONS & ABNORMALITIES	1	b	c	-	b	-	1	b	0.1
	CAUSES NOT SPECIFIC TO PERINATAL PERIOD	767	144.9	26.7	137	25.9	7.1	630	119.0	66.1
A00-B99	CERTAIN INFECTIOUS & PARASITIC DISEASES	62	11.7	2.2	3	a	0.2	59	11.1	6.2
A40-A41	SEPTICEMIA	28	5.3	1.0	-	-	-	28	5.3	2.9
A80-B34	VIRAL DISEASES	19	3.6	0.7	1	a	0.1	16	3.0	1.7
C00-D48	NEOPLASMS	30	5.7	1.0	6	1.1	0.3	24	4.5	2.5
E00-E88	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASES	32	6.0	1.1	14	2.6	0.7	18	3.4	1.9
G00-G98	DISEASES OF THE NERVOUS SYSTEM	36	6.8	1.3	10	1.9	0.5	26	4.9	2.7
I00-I99	DISEASES OF THE CIRCULATORY SYSTEM	69	13.0	2.4	22	4.2	1.1	47	8.9	4.9
I26-I28	PULMONARY HEART DISEASE	23	4.3	0.8	15	2.8	0.8	8	1.5	0.8
I42	CARDIOMYOPATHY	15	2.8	0.5	4	a	0.2	11	2.1	1.2
I60-I69	CEREBROVASCULAR DISEASES	15	2.8	0.5	1	a	0.1	14	2.6	1.5
RESIDUAL	OTHER DISEASES OF THE CIRCULATORY SYSTEM	16	b	0.6	2	b	0.1	14	b	1.5
J00-J98	DISEASES OF THE RESPIRATORY SYSTEM	72	13.6	2.5	8	1.5	0.4	64	12.1	6.7
J10-J18	INFLUENZA & PNEUMONIA	31	5.9	1.1	4	a	0.2	27	5.1	2.8
RESIDUAL	OTHER DISEASES OF THE RESPIRATORY SYSTEM	41	b	1.4	4	b	0.2	37	b	3.9
K00-K92	DISEASES OF THE DIGESTIVE SYSTEM	44	8.3	1.5	7	1.3	0.4	37	7.0	3.9
K29,K50-K55	# GASTRITIS, DUODENITIS, & NONINFECTIVE ENTERITIS & COLITIS	28	5.3	1.0	5	0.9	0.3	23	4.3	2.4
K55	VASCULAR DISORDER OF INTESTINE	15	2.8	0.5	3	a	0.2	12	2.3	1.3
RESIDUAL	OTHER DISEASES OF THE DIGESTIVE SYSTEM	16	b	0.6	2	b	0.1	14	b	1.5
N00-N98	DISEASES OF THE GENITOURINARY SYSTEM	12	2.3	0.4	7	1.3	0.4	5	0.9	0.5
N17-N19	RENAL FAILURE	10	1.9	0.3	6	1.1	0.3	4	a	0.4
RESIDUAL	OTHER DISEASES OF THE GENITOURINARY SYSTEM	2	b	0.1	1	b	0.1	1	b	0.1
R00-R99	SYMPTOMS, SIGNS & ABNORMAL CLINICAL & LAB FINDINGS	292	55.2	10.2	34	6.4	1.8	258	48.7	27.1
R95	# SUDDEN INFANT DEATH SYNDROME	168	31.7	5.8	12	2.3	0.6	156	29.5	16.4
RESIDUAL	OTHER SYMPTOMS, SIGNS & ABNORMAL FINDINGS	124	b	4.3	22	b	1.1	102	b	10.7
U01, V01-Y84	EXTERNAL CAUSES OF MORTALITY	98	18.5	3.4	18	3.4	0.9	80	15.1	8.4
V01-X59	# ACCIDENTS	57	10.8	2.0	9	1.7	0.5	48	9.1	5.0
U01, X85-Y09	# ASSAULT (HOMICIDE)	25	4.7	0.9	6	1.1	0.3	19	3.6	2.0
RESIDUAL	OTHER EXTERNAL CAUSES	16	b	0.6	3	b	0.2	13	b	1.4
RESIDUAL	ALL OTHER CAUSES NOT SPECIFIC TO PERINATAL PERIOD	20	b	0.7	8	b	0.4	12	b	1.3

ICD-10 code ranges marked with this sign are rankable as leading causes of infant death.

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 Rates are not computed for residual categories.

c Less than 0.050.

Note: Infant deaths are under one year of age. Neonatal deaths are deaths under 28 days of age. Postneonatal deaths are those occurring between the 28th day and the end of the first year of life.

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