

TABLE 4-4. INFANT, NEONATAL, AND POSTNEONATAL DEATHS AND MORTALITY RATES FROM SELECTED CAUSES BY AGE, CALIFORNIA 1999 (By Place of Residence)
 (Infant mortality rates are per 100,000 live births)

ICD CODES (Rev. 10)	CAUSE OF DEATH	INFANT DEATHS			NEONATAL DEATHS			POSTNEONATAL DEATHS		
		NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT	NUMBER	RATE	PERCENT
A00-Y89	TOTAL, ALL CAUSES	2,787	538.0	100.0	1,843	357.7	100.0	944	182.2	100.0
P00-P96	CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1,358	262.1	48.7	1,277	246.5	69.3	81	15.6	8.6
P00-P04	MATERNAL CONDITIONS	204	39.4	7.3	200	38.6	10.9	4	a	0.4
P00	NEWBORN AFFECTED BY MATERNAL CONDITIONS WHICH MAY BE UNRELATED TO PRESENT PREGNANCY	14	2.7	0.5	13	2.5	0.7	1	a	0.1
P01	NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	85	16.4	3.0	85	16.4	4.6	-	-	-
P01.1	PREMATURE RUPTURE OF MEMBRANES	55	10.6	2.0	55	10.6	3.0	-	-	-
P02	NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	88	17.0	3.2	87	16.8	4.7	1	a	0.1
P03	NEWBORN AFFECTED BY COMPLICATIONS OF LABOUR AND DELIVERY	12	2.3	0.4	11	2.1	0.6	1	a	0.1
P04	OTHER	5	1.0	0.2	4	a	0.2	1	a	0.1
P05-P08	DISORDERS RELATED TO LENGTH OF GESTATION OR MALNUTRITION	390	75.3	14.0	382	73.7	20.7	8	1.5	0.8
P05	SLOW FETAL GROWTH AND FETAL MALNUTRITION	4	a	0.1	4	a	0.2	-	-	-
P07	DISORDERS RELATING TO SHORT GESTATION AND UNSPECIFIED LOW BIRTH WEIGHT	386	74.5	13.9	378	73.0	20.5	8	1.5	0.8
P07.2	EXTREME IMMATUREITY	316	61.0	11.3	314	60.6	17.0	2	a	0.2
P10-P15	BIRTH TRAUMA	3	a	0.1	3	0.6	0.2	-	-	-
P20-P28	RESPIRATORY CONDITIONS ORIGINATING IN PERINATAL PERIOD	288	55.6	10.3	245	47.3	13.3	43	8.3	4.6
P20-P21	INTRAUTERINE HYPOXIA AND BIRTH ASPHYXIA	62	12.0	2.2	56	10.8	3.0	6	1.2	0.6
P22	RESPIRATORY DISTRESS OF NEWBORN	91	17.6	3.3	85	16.4	4.6	6	1.2	0.6
P23-P24	CONGENITAL PNEUMONIA & NEONATAL ASPIRATION SYNDROMES	23	4.4	0.8	19	3.7	1.0	4	a	0.4
P25	INTERSTITIAL EMPHYSEMA & RELATED CONDITIONS	27	5.2	1.0	26	5.0	1.4	1	a	0.1
P26	PULMONARY HEMORRHAGE	18	3.5	0.6	18	3.5	1.0	-	-	-
P27	CHRONIC RESPIRATORY DISEASE	28	5.4	1.0	2	a	0.1	26	5.0	2.8
P28	OTHER RESPIRATORY CONDITIONS	39	b	1.4	39	b	2.1	-	-	-
P29	CARDIOVASCULAR DISORDERS ORIGINATING IN PERINATAL PERIOD	214	41.3	7.7	212	40.9	11.5	2	a	0.2
P35-P39	PERINATAL INFECTIONS	70	13.5	2.5	56	10.8	3.0	14	2.7	1.5
P36	BACTERIAL SEPSIS OF NEWBORN	59	11.4	2.1	49	9.5	2.7	10	1.9	1.1
RESIDUAL	OTHER PERINATAL INFECTIONS	11	b	0.4	7	b	0.4	4	b	0.4
P50-P61	HEMORRHAGIC & HEMATOLOGICAL DISORDERS OF NEWBORN	99	19.1	3.6	96	18.5	5.2	3	a	0.3
P50-P52, P54	NEONATAL HEMORRHAGE	87	16.8	3.1	84	16.2	4.6	3	a	0.3
RESIDUAL	OTHER HEMORRHAGIC & HEMATOLOGICAL CONDITIONS	12	b	0.4	12	b	0.7	-	-	-
P75-P78	DIGESTIVE SYSTEM DISORDERS OF NEWBORN	24	4.6	0.9	22	4.2	1.2	2	a	0.2
P80-P83	CONDITIONS OF INTEGUMENT & TEMPERATURE REGULATION	24	4.6	0.9	21	4.1	1.1	3	a	0.3
RESIDUAL	OTHER CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	42	b	1.5	40	b	2.2	2	b	0.2
Q00-Q99	CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	678	130.5	24.3	462	89.2	25.1	214	41.3	22.7
Q00-Q07	CONGENITAL MALFORMATIONS OF THE NERVOUS SYSTEM	76	14.7	2.7	61	11.8	3.3	15	2.9	1.6
Q00	ANENCEPHALUS AND SIMILAR MALFORMATIONS	42	8.1	1.5	41	7.9	2.2	1	a	0.1
Q20-Q28	CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	217	41.9	7.8	120	23.2	6.5	97	18.7	10.3
Q20-Q24	OF THE HEART	189	36.5	6.8	102	19.7	5.5	87	16.8	9.2
	OTHER	28	b	1.0	18	b	1.0	10	b	1.1
Q30-Q34	CONGENITAL MALFORMATIONS OF THE RESPIRATORY SYSTEM	118	22.8	4.2	105	20.3	5.7	13	2.5	1.4
Q33	OF THE LUNG	109	21.0	3.9	102	19.7	5.5	7	1.4	0.7
Q35-Q45	CONGENITAL MALFORMATIONS OF THE DIGESTIVE SYSTEM	13	2.5	0.5	2	a	0.1	11	2.1	1.2
Q50-Q64	CONGENITAL MALFORMATIONS OF THE GENITOURINARY SYSTEM	30	5.8	1.1	27	5.2	1.5	3	a	0.3
Q65-Q79	CONGENITAL MALFORMATIONS AND DEFORMATION OF MUSCULOSKELETAL SYSTEM	34	6.6	1.2	20	3.9	1.1	14	2.7	1.5
Q80-Q89	OTHER CONGENITAL MALFORMATIONS	57	b	2.0	41	b	2.2	16	b	1.7
Q90-Q99	CHROMOSOMAL ABNORMALITIES, N.E.C.	131	25.3	4.7	86	16.6	4.7	45	8.7	4.8
Q90	DOWN'S SYNDROME	18	3.5	0.6	11	2.1	0.6	7	1.4	0.7
Q91.0-Q91.3	EDWARD'S SYNDROME	63	12.2	2.3	37	7.1	2.0	26	5.0	2.8
Q91.4-Q91.7	PATAU'S SYNDROME	23	4.4	0.8	19	3.7	1.0	4	a	0.4
RESIDUAL	OTHER CHROMOSOMAL ABNORMALITIES	27	b	1.0	19	b	1.0	8	b	0.8
RESIDUAL	OTHER CONGENITAL MALFORMATIONS, DEFORMATIONS & ABNORMALITIES	34	b	1.2	20	b	1.1	14	b	1.5
A00-B99	CAUSES NOT SPECIFIC TO PERINATAL PERIOD	753	145.3	27.0	104	20.1	5.6	649	125.3	68.8
A40-A41	CERTAIN INFECTIOUS & PARASITIC DISEASES	54	10.4	1.9	5	1.0	0.3	49	9.5	5.2
A80-B34	SEPTICEMIA	12	2.3	0.4	-	-	-	12	2.3	1.3
C00-D48	VIRAL DISEASES	22	4.2	0.8	2	a	0.1	20	3.9	2.1
E00-E88	NEOPLASMS	12	2.3	0.4	2	a	0.1	10	1.9	1.1
G00-G98	ENDOCRINE, NUTRITIONAL & METABOLIC DISEASES	22	4.2	0.8	9	1.7	0.5	13	2.5	1.4
I00-I99	DISEASES OF THE NERVOUS SYSTEM AND SENSE ORGANS	40	7.7	1.4	4	a	0.2	36	6.9	3.8
I26-I28	DISEASES OF THE CIRCULATORY SYSTEM	68	13.1	2.4	20	3.9	1.1	48	9.3	5.1
I42	PULMONARY HEART DISEASE	18	3.5	0.6	13	2.5	0.7	5	1.0	0.5
I60-I69	CARDIOMYOPATHY	23	4.4	0.8	3	a	0.2	20	3.9	2.1
RESIDUAL	CEREBROVASCULAR DISEASES	11	2.1	0.4	-	-	-	11	2.1	1.2
J00-J98	OTHER DISEASES OF THE CIRCULATORY SYSTEM	16	b	0.6	4	b	0.2	12	b	1.3
J10-J18	DISEASES OF THE RESPIRATORY SYSTEM	71	13.7	2.5	8	1.5	0.4	63	12.2	6.7
K00-K92	INFLUENZA & PNEUMONIA	27	5.2	1.0	4	a	0.2	23	4.4	2.4
K29-K50-K55	OTHER DISEASES OF THE RESPIRATORY SYSTEM	44	b	1.6	4	b	0.2	40	b	4.2
K55	DISEASES OF THE DIGESTIVE SYSTEM	54	10.4	1.9	4	0.8	0.2	50	9.7	5.3
RESIDUAL	GASTRITIS, DUODENITIS, & NONINFECTIVE ENTERITIS & COLITIS	30	5.8	1.1	2	a	0.1	28	5.4	3.0
N00-N98	VASCULAR DISORDER OF INTESTINE	25	4.8	0.9	2	a	0.1	23	4.4	2.4
N70-N79	OTHER DISEASES OF THE DIGESTIVE SYSTEM	24	b	0.9	2	b	0.1	22	b	2.3
R00-R99	DISEASES OF THE GENITOURINARY SYSTEM	17	3.3	0.6	11	2.1	0.6	6	1.2	0.6
R95	RENAL FAILURE	11	2.1	0.4	7	1.4	0.4	4	a	0.4
RESIDUAL	OTHER DISEASES OF THE GENITOURINARY SYSTEM	6	b	0.2	4	b	0.2	2	b	0.2
R95	SYMPTOMS, SIGNS & ABNORMAL CLINICAL & LAB FINDINGS	306	59.1	11.0	26	5.0	1.4	280	54.0	29.7
RESIDUAL	SUDDEN INFANT DEATH SYNDROME	237	45.7	8.5	16	3.1	0.9	221	42.7	23.4
V01-Y89	OTHER SYMPTOMS, SIGNS & ABNORMAL FINDINGS	69	b	2.5	10	b	0.5	59	b	6.3
See footnote	EXTERNAL CAUSES OF MORTALITY	100	19.3	3.6	14	2.7	0.8	86	16.6	9.1
X85-Y89 Y87.1	ACCIDENTS	62	12.0	2.2	5	1.0	0.3	57	11.0	6.0
RESIDUAL	ASSAULT (HOMICIDE)	30	5.8	1.1	8	1.5	0.4	22	4.2	2.3
RESIDUAL	OTHER EXTERNAL CAUSES	8	b	0.3	1	b	0.1	7	b	0.7
RESIDUAL	ALL OTHER CAUSES NOT SPECIFIC TO PERINATAL PERIOD	9	b	0.3	1	b	0.1	8	b	0.8

a Rates are not calculated for fewer than five events.

b Rate are not computed for residual categories

Note: Neonatal deaths are those occurring during the first 27 days of life. 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.