

TABLE 5-16B
LEADING CAUSES OF DEATH AND AGE-SPECIFIC DEATH RATES ¹
FEMALES BY RACE/ETHNICITY ²
CALIFORNIA, 1998
(By Place of Residence)

AGE IN YEARS AND CAUSE OF DEATH	ICD CODES (Rev. 9)	TOTAL FEMALES			ASIAN/ PACIFIC ISLANDER			BLACK			HISPANIC			WHITE		
		DEATHS ³	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	RATES
UNDER 1 YEAR																
All Causes of Death	001-999	1,367		507.8	118		393.6	219		1186.2	628		493.4	391		424.3
Certain Perinatal Conditions	760-779	588	1	218.4	45	1	150.1	110	1	595.8	265	1	208.2	164	1	178.0
Congenital Anomalies	740-759	409	2	151.9	45	1	150.1	40	2	216.7	207	2	162.6	114	2	123.7
Sudden Infant Death Syndrome	798.0	95	3	35.3	7	*	*	26	3	140.8	31	3	24.4	30	3	32.6
Heart Disease	390-398,402,404-429	33	4	12.3	5	*	*	3	*	*	19	4	14.9	6	*	*
Unintentional Injuries	E800-949	19	5	7.1	1	*	*	4	*	*	6		*	7	*	*
Pneumonia/Influenza	480-487	17		6.3	2	*	*	1	*	*	6		*	8	*	*
Cerebrovascular Disease	430-438	16		5.9	-		-	1		*	10	5	7.9	5		*
All Other Causes		190			13			34			84			57		
1 - 4 YEARS																
All Causes of Death	001-999	258		23.7	28		23.5	32		42.1	122		24.0	75		19.7
Unintentional Injuries	E800-949	76	1	7.0	6	*	*	10	1	13.1	36	1	7.1	23	1	6.1
Motor vehicle	E810-825	38		3.5	2		*	5		*	25		4.9	5		*
Drownings	E910	27		2.5	3		*	3		*	7		*	14		3.7
Congenital Anomalies	740-759	32	2	2.9	6	*	*	1	*	*	14	2	2.8	11	2	2.9
Malignant Neoplasms	140-208	23	3	2.1	3	*	*	2	*	*	8	*	*	10	3	2.6
Homicide	E960-969	18	4	1.7	1	*	*	3	*	*	8	*	*	6	*	*
Heart Disease	390-398,402,404-429	10	5	0.9	3	*	*	3	*	*	4	*	*	-	*	-
All Other Causes		99			9			13			52			25		
5-9 YEARS																
All Causes of Death	001-999	163		11.6	11		7.3	24		22.1	74		12.6	54		9.8
Unintentional Injuries	E800-949	46	1	3.3	3	*	*	5	*	*	15	1	2.6	23	1	4.2
Motor vehicle	E810-825	29		2.1	1		*	2		*	11		1.9	15		2.7
Malignant Neoplasms	140-208	32	2	2.3	3	*	*	3	*	*	12	2	2.0	14	2	2.5
Congenital Anomalies	740-759	13	3	0.9	-		*	2	*	*	9	*	*	2	*	*
Homicide	E960-969	12	4	0.9	-	*	-	3	*	*	9	*	*	-	*	-
Heart Disease	390-398,402,404-429	7		*	1		*	2		*	3		*	1		*
All Other Causes		53			4			9			26			14		
10-14 YEARS																
All Causes of Death	001-999	179		15.3	20		14.9	15		16.3	64		15.1	78		15.1
Unintentional Injuries	E800-949	50	1	4.3	6	*	*	5	*	*	18	1	4.2	20	1	3.9
Motor vehicle	E810-825	29		2.5	4		*	2		*	12		2.8	11		2.1
Malignant Neoplasms	140-208	34	2	2.9	3	*	*	-	*	-	18	1	4.2	12	2	2.3
Leukemia	204-208	13		1.1	1		*	-		-	9		*	3		*
Homicide	E960-969	12	3	1.0	-	*	*	1	*	*	6	*	*	5	*	*
Suicide	E950-959	11	4	0.9	3	*	*	-	*	*	2	*	*	6	*	*
Congenital Anomalies	740-759	9		*	1		*	1		*	2		*	5		*
All Other Causes		63			7			8			18			30		
15-19 YEARS																
All Causes of Death	001-999	357		32.7	36		27.3	42		49.2	109		28.6	169		34.7
Unintentional Injuries	E800-949	161	1	14.7	14	1	10.6	14	2	16.4	48	1	12.6	85	1	17.4
Motor vehicle	E810-825	141		12.9	11		8.3	12		14.1	43		11.3	75		15.4
Homicide	E960-969	45	2	4.1	1	*	*	15	1	17.6	17	2	4.5	12	4	2.5
Firearms/explosives	E965	31		2.8	-		-	10		11.7	13		3.4	8		*
Malignant Neoplasms	140-208	34	3	3.1	5	*	*	1	*	*	11	3	2.9	17	2	3.5
Leukemia	204-208	11		1.0	1		*	-		-	5		*	5		*
Suicide	E950-959	21	4	1.9	1	*	*	1	*	*	5	*	*	14	3	2.9
Firearms/explosives	E955	13		1.2	1		*	-		-	5		*	7		*
Congenital Anomalies	740-759	13	5	1.2	1	*	*	3	*	*	3	*	*	6	*	*
All Other Causes		83			14			8			25			35		
20-24 YEARS																
All Causes of Death	001-999	412		40.8	41		31.9	51		64.5	141		40.6	170		38.1
Unintentional Injuries	E800-949	121	1	12.0	11	1	8.6	8	*	*	44	1	12.7	53	1	11.9
Motor vehicle	E810-825	96		9.5	9		*	8		*	37		10.6	39		8.7
Poisonings	E850-869	13		1.3	1		*	-		-	3		*	8		*
Malignant Neoplasms	140-208	56	2	5.6	8	*	*	6	*	*	19	3	5.5	22	2	4.9
Leukemia	204-208	11		1.1	-		-	-		-	7		*	4		*
Homicide	E960-969	53	3	5.3	5	*	*	15	1	19.0	20	2	5.8	12	5	2.7
Firearms/explosives	E965	36		3.6	3		*	12		15.2	13		3.7	7		*
Suicide	E950-959	38	4	3.8	3	*	*	1	*	*	12	4	3.5	21	3	4.7
Diseases of the Heart	390-398,402,404-429	26	5	2.6	3	*	*	3	*	*	4	*	*	15	4	3.4
All Other Causes		118			11			18			42			47		

TABLE 5-16B (Continued)
LEADING CAUSES OF DEATH AND AGE-SPECIFIC DEATH RATES ¹
FEMALES BY RACE/ETHNICITY ²
CALIFORNIA, 1998
(By Place of Residence)

AGE IN YEARS AND CAUSE OF DEATH	ICD CODES (Rev. 9)	TOTAL FEMALES			ASIAN/ PACIFIC ISLANDER			BLACK			HISPANIC			WHITE		
		DEATHS ³	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	RATES
25-34 YEARS																
All Causes of Death	001-999	1,308		53.5	98		33.4	206		115.0	351		43.7	643		55.6
Malignant Neoplasms	140-208	273	1	11.2	30	1	10.2	35	1	19.5	80	1	10.0	127	2	11.0
Breast cancer	174	72		2.9	7		*	14		7.8	20		2.5	31		2.7
Unintentional Injuries	E800-949	255	2	10.4	21	2	7.2	25	2	14.0	60	2	7.5	145	1	12.5
Motor vehicle	E810-825	134		5.5	17		5.8	8		*	35		4.4	71		6.1
Poisonings	E850-869	77		3.1	2		*			8.4	11		1.4	48		4.2
Suicide	E950-959	106	3	4.3	6	*	*	8		*	25	3	3.1	66	3	5.7
Firearms/explosives	E955	36		1.5	3		*	4		*	4		*	24		2.1
Diseases of the Heart	390-398,402, 404-429	90	4	3.7	2	*	*	22	3	12.3	21	5	2.6	44	4	3.8
Homicide	E960-969	83	5	3.4	5	*	*	22	3	12.3	25	3	3.1	31	5	2.7
Firearms/explosives	E965	41		1.7	4		*	12		6.7	14		1.7	11		1.0
Acquired Immune Deficiency Syndrome	042-044	46		1.9	-		-	18	5	10.0	13		1.6	14		1.2
All Other Causes		455		-	34		-	76		-	127		-	216		-
35-44 YEARS																
All Causes of Death	001-999	3,266		118.5	207		63.2	513		259.8	628		88.4	1,890		125.8
Malignant Neoplasms	140-208	991	1	36.0	102	1	31.1	125	1	63.3	222	1	31.3	534	1	35.6
Breast cancer	174	336		12.2	32		9.8	44		22.3	80		11.3	176		11.7
Unintentional Injuries	E800-949	431	2	15.6	16	2	4.9	52	3	26.3	79	2	11.1	279	2	18.6
Motor vehicle	E810-825	173		6.3	14		4.3	14		7.1	45		6.3	99		6.6
Poisonings	E850-869	192		7.0	1		*	30		15.2	22		3.1	137		9.1
Diseases of the Heart	390-398,402, 404-429	343	3	12.5	16	2	4.9	82	2	41.5	42	3	5.9	202	3	13.4
Ischemic heart	410-414	122		4.4	4		*	25		12.7	17		2.4	76		5.1
Other heart disease	420-429	138		5.0	9		*	30		15.2	14		2.0	85		5.7
Suicide	E950-959	163	4	5.9	11	4	3.4	6		*	11		1.5	135	4	9.0
Chronic Liver/Cirrhosis	571	156	5	5.7	5	*	*	15		7.6	38	4	5.4	95	5	6.3
Cerebrovascular Disease	430-438	123		4.5	11	4	3.4	27	5	13.7	29	5	4.1	56		3.7
Homicide	E960-969	87		3.2	7		*	24		12.2	19		2.7	36		2.4
Acquired Immune Deficiency Syndrome	042-044	76		2.8	3		*	29	4	14.7	17		2.4	27		1.8
All Other Causes		896		-	36		-	153		-	171		-	526		-
45-54 YEARS																
All Causes of Death	001-999	5,644		272.0	420		170.2	806		576.7	854		202.7	3,529		281.9
Malignant Neoplasms	140-208	2,379	1	114.7	241	1	97.7	254	1	181.8	340	1	80.7	1,536	1	122.7
Lung cancer	162	377		18.2	22		8.9	46		32.9	23		5.5	284		22.7
Breast cancer	174	737		35.5	83		33.6	82		58.7	94		22.3	476		38.0
Cancer of female genitals	183-184	168		8.1	14		5.7	14		10.0	21		5.0	118		9.4
Diseases of the Heart	390-398,402, 404-429	809	2	39.0	33	2	13.4	174	2	124.5	111	2	26.3	486	2	38.8
Ischemic heart	410-414	380		18.3	16		6.5	66		47.2	56		13.3	240		19.2
Acute myocardial infarction	410	169		8.1	6		*	34		24.3	32		7.6	97		7.7
Coronary atherosclerosis	414.0	118		5.7	8		*	18		12.9	16		3.8	74		5.9
Other heart disease	420-429	260		12.5	10		4.1	59		42.2	35		8.3	153		12.2
Cardiomyopathy	425	124		9.5	2		*	31		36.2	14		5.9	74		8.9
Unintentional Injuries	E800-949	299	3	14.4	18	4	7.3	32	4	22.9	36	5	8.5	210	3	16.8
Motor vehicle	810-825	113		5.4	11		4.5	13		9.3	18		4.3	68		5.4
Cerebrovascular Disease	430-438	297	4	14.3	32	3	13.0	68	3	48.7	63	3	14.9	132	5	10.5
Chronic Liver/Cirrhosis	571	210	5	10.1	8		*	23		16.5	30		7.1	144	4	11.5
Diabetes	250	170		8.2	13		5.3	32	4	22.9	45	4	10.7	78		6.2
Chronic Obstructive Pulmonary Disease	490-496	155		7.5	3		*	28		20.0	6		*	118		9.4
Suicide	E950-959	151		7.3	15	5	6.1	11		7.9	7		*	116		9.3
All Other Causes		1,174		-	57		-	184		-	216		-	709		-
55-64 YEARS																
All Causes of Death	001-999	9,014		691.8	641		455.5	1,081		1262.4	1,300		550.1	5,949		715.7
Malignant Neoplasms	140-208	3,827	1	293.7	306	1	217.5	357	1	416.9	452	1	191.3	2,693	1	324.0
Colon cancer	153	239		18.3	27		19.2	27		31.5	26		11.0	158		19.0
Lung cancer	162	1,045		80.2	61		43.3	88		102.8	42		17.8	848		102.0
Breast cancer	174	751		57.6	69		49.0	66		77.1	92		38.9	523		62.9
Cancer of female genitals	183-184	265		20.3	15		10.7	16		18.7	44		18.6	190		22.9
Diseases of the Heart	390-398,402, 404-429	1,832	2	140.6	111	2	78.9	332	2	387.7	268	2	113.4	1,111	2	133.7
Ischemic heart	410-414	1,049		80.5	61		43.3	159		185.7	151		63.9	670		80.6
Acute myocardial infarction	410	495		38.0	30		21.3	72		84.1	54		22.9	334		40.2
Coronary atherosclerosis	414.0	255		19.6	12		8.5	39		45.5	44		18.6	160		19.2
Other heart disease	420-429	529		40.6	29		20.6	104		121.5	77		32.6	319		38.4
Chronic Obstructive Pulmonary Disease	490-496	499	3	38.3	10		7.1	39	5	45.5	16		6.8	431	3	51.8
Cerebrovascular Disease	430-438	465	4	35.7	59	3	41.9	66	3	77.1	88	4	37.2	252	4	30.3
Diabetes	250	341	5	26.2	24	4	17.1	59	4	68.9	114	3	48.2	140		16.8
Unintentional Injuries	E800-949	229		17.6	17	5	12.1	18		21.0	52		22.0	142		17.1
Pneumonia & Influenza	480-487	227		17.4	12		8.5	32		37.4	31		13.1	150	5	18.0
Chronic Liver/Cirrhosis	571	220		16.9	6		*	16		18.7	55	5	23.3	143		17.2
All Other Causes		1,374		-	96		-	162		-	224		-	887		-

TABLE5-16B (Continued)
LEADING CAUSES OF DEATH AND AGE-SPECIFIC DEATH RATES ¹
FEMALES BY RACE/ETHNICITY ²
CALIFORNIA, 1998
(By Place of Residence)

AGE IN YEARS AND CAUSE OF DEATH	ICD CODES (Rev. 9)	TOTAL FEMALES			ASIAN/PACIFIC ISLANDER			BLACK			HISPANIC			WHITE		
		DEATHS ³	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	RATES	DEATHS	RANK	RATES
65-74 YEARS																
All Causes of Death	001-999	19,001		1790.8	1,247		1152.4	1,589		2699.3	2,269		1378.2	13,821		1909.8
Malignant Neoplasms	140-208	6,490	1	611.7	400	1	369.7	452	2	767.8	610	2	370.5	5,013	1	692.7
Colon cancer	153	474		44.7	42		38.8	44		74.7	37		22.5	350		48.4
Pancreatic cancer	157	375		35.3	31		28.6	33		56.1	47		28.5	264		36.5
Lung cancer	162	1,996		188.1	74		68.4	134		227.6	80		48.6	1,702		235.2
Breast cancer	174	895		84.4	30		27.7	60		101.9	84		51.0	720		99.5
Cancer of female genitals	183-184	409		38.5	25		23.1	24		40.8	44		26.7	315		43.5
Diseases of the Heart	390-398,402,404-429	4,978	2	469.2	317	2	293.0	551	1	936.0	660	1	400.9	3,425	2	473.3
Hypertensive heart	402,404	316		29.8	25		23.1	64		108.7	43		26.1	182		25.1
Ischemic heart	410-414	3,279		309.0	213		196.8	335		569.1	455		276.4	2,256		311.7
Acute myocardial infarction	410	1,406		132.5	110		101.7	143		242.9	195		118.4	952		131.6
Coronary atherosclerosis	414.0	847		79.8	45		41.6	85		144.4	117		71.1	594		82.1
Other heart disease	420-429	1,211		114.1	68		62.8	138		234.4	140		85.0	864		119.4
Chronic Obstructive Pulmonary Disease	490-496	1,557	3	146.7	36		33.3	67	5	113.8	66		40.1	1,384	3	191.2
Emphysema	492	265		25.0	3		*	9		*	9		*	244		33.7
Cerebrovascular Disease	430-438	1,231	4	116.0	132	3	122.0	108	3	183.5	162	4	98.4	821	4	113.4
Diabetes	250	782	5	73.7	70	4	64.7	104	4	176.7	213	3	129.4	387	5	53.5
Pneumonia & Influenza	480-487	726		68.4	43	5	39.7	67	5	113.8	91	5	55.3	521	5	72.0
Chronic Liver/Cirrhosis	571	265		25.0	10		9.2	11		18.7	70		42.5	173		23.9
All Other Causes		2,972			239			229			397			2,097		
75-84 YEARS																
All Causes of Death	001-999	32,813		4468.2	1,719		2956.6	2,069		5732.1	2,650		3148.4	26,284		4755.9
Diseases of the Heart	390-398,402,404-429	10,506	1	1430.6	506	1	870.3	803	1	2224.7	933	1	1108.5	8,235	1	1490.1
Hypertensive heart	402,404	644		87.7	35		60.2	95		263.2	49		58.2	465		84.1
Ischemic heart	410-414	7,154		974.2	360		619.2	499		1382.5	674		800.8	5,600		1013.3
Acute myocardial infarction	410	2,732		372.0	153		263.1	244		676.0	268		318.4	2,060		372.7
Coronary atherosclerosis	414.0	2,316		315.4	105		180.6	137		379.6	206		244.7	1,864		337.3
Other heart disease	420-429	2,454		334.2	97		166.8	199		551.3	194		230.5	1,957		354.1
Heart failure	428	399		54.3	9		*	35		97.0	29		34.5	324		58.6
Malignant Neoplasms	140-208	7,195	2	979.8	380	2	653.6	390	2	1080.5	472	2	560.8	5,937	2	1074.3
Colon cancer	153	666		90.7	28		48.2	54		149.6	34		40.4	548		99.2
Pancreatic cancer	157	522		71.1	36		61.9	34		94.2	42		49.9	409		74.0
Lung cancer	162	1,891		257.5	81		139.3	80		221.6	86		102.2	1,642		297.1
Breast cancer	174	888		120.9	26		44.7	56		155.1	43		51.1	761		137.7
Cancer of female genitals	183-184	387		52.7	13		22.4	12		33.2	30		35.6	332		60.1
Cerebrovascular Disease	430-438	3,182	3	433.3	230	3	385.6	218	3	604.0	245	3	291.1	2,476	3	448.0
Chronic Obstructive Pulmonary Disease	490-496	2,554	4	347.8	58		99.8	70		193.9	102		121.2	2,314	4	418.7
Emphysema	492	367		50.0	4		*	8		*	14		16.6	340		61.5
Pneumonia & Influenza	480-487	2,203	5	300.0	127	4	218.4	111	5	307.5	174	5	206.7	1,787	5	323.3
Diabetes	250	987		134.4	95	5	163.4	124	4	343.5	209	4	248.3	553		100.1
Alzheimer's Disease	330-337	452		61.5	3		*	17		47.1	26		30.9	405		73.3
All Other Causes		5,734			320			336			489			4,577		
85 YEARS AND OVER																
All Causes of Death	001-999	38,016		13421.5	1,420		8390.0	1,692		13618.8	2,464		7213.1	32,832		15041.4
Diseases of the Heart	390-398,402,404-429	16,073	1	5674.6	577	1	3409.2	730	1	5875.7	1,032	1	3021.1	13,705	1	6278.7
Hypertensive heart	402,404	941		332.2	50		295.4	62		499.0	59		172.7	768		351.8
Ischemic heart	410-414	10,812		3817.2	399		2357.5	475		3823.2	691		2022.8	9,229		4228.1
Acute myocardial infarction	410	3,341		1179.5	136		803.5	187		1505.2	202		591.3	2,811		1287.8
Coronary atherosclerosis	414.0	4,432		1564.7	149		880.4	172		1384.4	304		889.9	3,800		1740.9
Other heart disease	420-429	4,117		1453.5	126		744.5	184		1481.0	276		808.0	3,522		1613.5
Heart failure	428	925		326.6	32		189.1	31		249.5	56		163.9	804		368.3
Cerebrovascular Disease	430-438	4,456	2	1573.2	186	2	1099.0	190	2	1529.3	287	2	840.2	3,787	2	1734.9
Pneumonia & Influenza	480-487	4,007	3	1414.7	172	3	1016.2	166	4	1336.1	242	4	708.4	3,423	3	1568.2
Malignant Neoplasms	140-208	3,561	4	1257.2	147	4	868.5	181	3	1456.9	251	3	734.8	2,977	4	1363.9
Colon cancer	153	506		178.6	24		141.8	31		249.5	34		99.5	417		191.0
Lung cancer	162	595		210.1	30		177.3	30		241.5	41		120.0	494		226.3
Breast cancer	174	416		146.9	8		*	15		120.7	23		67.3	369		169.1
Chronic Obstructive Pulmonary Disease	490-496	1,515	5	534.9	46	5	271.8	45		362.2	73		213.7	1,351	5	618.9
Alzheimer's Disease	331.0	829		292.7	14		82.7	24		193.2	35		102.5	756		346.3
Atherosclerosis	440	767		270.8	13		76.8	31		249.5	47		137.6	672		307.9
Diabetes	250	574		202.6	36		212.7	60	5	482.9	86	5	251.8	391		179.1
All Other Causes		6,234			229			265			411			5,770		

- Represents zero events.

* Ranks and rates are not calculated for less than 10 deaths.

¹ Death Rates are per 100,000 population for each age, sex and race group.

² Asian/Pacific Islander, Black, and White exclude Hispanic ethnicity. Hispanic includes any race category. White includes Other Races, Not Stated, and Unknown.

³ Total Female Deaths include Asian/Pacific Islander, Black, Hispanic, White, and American Indian.

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

State of California, Department of Finance, 1998 Population: 1997-2040 Population Projections by Age, Sex and Race/Ethnic Groups, December 1998.