

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

AGE IN YEARS AND CAUSE OF DEATH	ICD CODES (Rev. 9)	TOTAL MALES			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	1,627		577.5	111		353.0	262		1354.8	723		543.4	521		539.6
Certain Perinatal Conditions	760-779	748	1	265.5	49	1	155.8	128	1	661.9	340	1	255.6	228	1	236.2
Congenital Anomalies	740-759	376	2	133.4	27	2	85.9	31	3	160.3	189	2	142.1	127	2	131.5
Sudden Infant Death Syndrome	798.0	164	3	58.2	11	3	35.0	42	2	217.2	47	3	35.3	60	3	62.1
Diseases of the Heart	390-398,402,404-429	34	4	12.1	1	*	*	10	4	51.7	12	5	9.0	11	4	11.4
Unintentional Injuries	E800-949	31	5	11.0	1	*	*	4	*	*	16	4	12.0	10	5	10.4
Motor vehicle	E810-825	11		3.9	-		-	1		*	8		*	2		*
Pneumonia & Influenza	480-487	22		7.8	3	*	*	1	*	*	8	*	*	10	5	10.4
Cerebrovascular Disease	430-438	22		7.8	1	*	*	5	*	*	11		8.3	5		*
All Other Causes		230			18			18			100			70		
1 - 4 YEARS																
All Causes of Death	001-999	323		28.3	17		13.5	38		48.3	148		27.9	117		29.2
Unintentional Injuries	E800-949	114	1	10.0	4	*	*	8	*	*	55	1	10.4	45	1	11.2
Motor vehicle	E810-825	37		3.2	1	*	*	-		-	24		4.5	11		2.7
Drownings	E910	50		4.4	3	*	*	4	*	*	15		2.8	27		6.7
Congenital Anomalies	740-759	36	2	3.2	2	*	*	4	*	*	20	2	3.8	10	2	2.5
Homicide	E960-969	25	3	2.2	1	*	*	7	*	*	11	3	2.1	6	*	*
Malignant Neoplasms	140-208	22	4	1.9	3	*	*	1	*	*	9	*	*	8	*	*
Diseases of the Heart	390-398,402,404-429	11	5	1.0	2	*	*	1	*	*	2	*	*	6	*	*
All Other Causes		115			5			17			51			42		
5-9 YEARS																
All Causes of Death	001-999	209		14.2	16		10.0	34		30.5	95		15.5	64		10.9
Unintentional Injuries	E800-949	76	1	5.2	7	*	*	15	1	13.5	35	1	5.7	19	1	3.2
Motor vehicle	E810-825	46		3.1	3	*	*	9	*	*	20		3.3	14		2.4
Drownings	E910	17		1.2	3	*	*	5	*	*	9		*	-		-
Malignant Neoplasms	140-208	39	2	2.6	2	*	*	3	*	*	21	2	3.4	13	2	2.2
Leukemia	204-208	16		1.1	-		-	1		*	11		1.8	4		*
Congenital Anomalies	740-759	12	3	0.8	1	*	*	2	*	*	6	*	*	3	*	*
All Other Causes		82			6			14			33			29		
10-14 YEARS																
All Causes of Death	001-999	291		23.7	34		24.1	48		51.0	103		23.2	104		19.1
Unintentional Injuries	E800-949	88	1	7.2	11	1	7.8	11	1	11.7	30	1	6.8	34	1	6.3
Motor vehicle	E810-825	60		4.9	7	*	*	8	*	*	22		5.0	21		3.9
Malignant Neoplasms	140-208	44	2	3.6	5	*	*	5	*	*	14	3	3.2	20	2	3.7
Leukemia	204-208	12		1.0	1	*	*	2	*	*	5	*	*	4	*	*
Homicide	E960-969	33	3	2.7	3	*	*	8	*	*	15	2	3.4	7	*	*
Firearms/explosives	E965	26		2.1	3	*	*	4	*	*	14		3.2	5		*
Suicide	E950-959	18	4	1.5	1	*	*	1	*	*	9	*	*	7	*	*
Congenital Anomalies	740-759	18	4	1.5	2	*	*	2	*	*	8	*	*	6	*	*
All Other Causes		90			12			21			27			30		
15-19 YEARS																
All Causes of Death	001-999	1,021		87.8	89		64.2	137		150.3	435		108.3	350		66.8
Unintentional Injuries	E800-949	342	1	29.4	29	1	20.9	32	2	35.1	119	2	29.6	154	1	29.4
Motor vehicle	E810-825	256		22.0	20		14.4	20		21.9	92		22.9	116		22.1
Poisonings	E850-869	15		1.3	-		-	-		-	3		*	12		2.3
Drownings	E910	26		2.2	6	*	*	4	*	*	8		*	8		*
Firearms/explosives	E922	10		0.9	-		-	3		*	3		*	4		*
Homicide	E960-969	341	2	29.3	24	2	17.3	70	1	76.8	209	1	52.0	38	3	7.2
Firearms/explosives	E965	291		25.0	24		17.3	66		72.4	179		44.6	22		4.2
Suicide	E950-959	121	3	10.4	10	3	*	8	*	*	37	3	9.2	65	2	12.4
Firearms/explosives	E955	70		6.0	3	*	*	7	*	*	21		5.2	38		7.2
Malignant Neoplasms	140-208	53	4	4.6	8	*	*	3	*	*	16	4	4.0	26	4	5.0
Leukemia	204-208	19		1.6	2	*	*	1	*	*	6		*	10		1.9
Diseases of the Heart	390-398,402,404-429	22	5	1.9	2	*	*	4	*	*	5	*	*	11	5	2.1
All Other Causes		142			16			20			49			56		
20-24 YEARS																
All Causes of Death	001-999	1,392		125.5	93		68.4	190		203.5	628		166.1	469		95.0
Unintentional Injuries	E800-949	475	1	42.8	32	1	23.5	25	2	26.8	210	2	55.5	202	1	40.9
Motor vehicle	E810-825	306		27.6	22		16.2	17		18.2	139		36.8	124		25.1
Poisonings	E850-869	54		4.9	1	*	*	4	*	*	16		4.2	32		6.5
Drownings	E910	36		3.2	3	*	*	2	*	*	16		4.2	14		*
Firearms/explosives	E922	17		1.5	1	*	*	1	*	*	9		*	6		*
Homicide	E960-969	397	2	35.8	16	2	11.8	106	1	113.5	225	1	59.5	48	3	9.7
Firearms/explosives	E965	338		30.5	14		10.3	100		107.1	191		50.5	31		6.3
Suicide	E950-959	194	3	17.5	16	2	11.8	17	3	18.2	55	3	14.5	104	2	21.1
Firearms/explosives	E955	106		9.6	10		7.4	12		12.9	27		7.1	55		11.1
Malignant Neoplasms	140-208	87	4	7.8	9	*	*	5	*	*	34	4	9.0	38	4	7.7
Leukemia	204-208	22		2.0	1	*	*	-		-	11		2.9	10		2.0
Diseases of the Heart	390-398,402,404-429	24	5	2.2	3	*	*	6	*	*	10	5	2.6	5	*	*
Congenital Anomalies	740-759	17		1.5	2	*	*	1	*	*	5		1.3	9		*
All Other Causes		198			15			30			89			63		

TABLE 5-16A (Continued)
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 CALIFORNIA, 1998
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AGE IN YEARS AND CAUSE OF DEATH	ICD CODES	TOTAL MALES			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	3,315		120.5	215		71.8	431		221.4	1,183		115.3	1,454		119.7
Unintentional Injuries	E800-949	957	1	34.8	57	1	19.0	62	2	31.9	367	1	35.8	461	1	37.9
Motor vehicle	E810-825	456		16.6	31		10.4	36		18.5	182		17.7	203		16.7
Poisonings	E850-869	265		9.6	8		*	14		7.2	104		10.1	135		11.1
Homicide	E960-969	471	2	17.1	17	4	5.7	132	1	67.8	228	2	22.2	90	5	7.4
Firearms/explosives	E965	368		13.4	13		4.3	114		58.6	174		17.0	65		5.3
Suicide	E950-959	429	3	15.6	43	2	14.4	41	5	21.1	97	3	9.5	246	2	20.2
Firearms/explosives	E955	216		7.9	15		5.0	19		9.8	57		5.6	123		10.1
Malignant Neoplasms	140-208	265	4	9.6	29	3	9.7	16		8.2	75	5	7.3	143	3	11.8
Acquired Immune Deficiency Syndrome	042-044	256	5	9.3	6		*	49	3	25.2	93	4	9.1	107	4	8.8
Diseases of the Heart	390-398,402,404-429	187		6.8	13	5	4.3	43	4	22.1	54		5.3	75		6.2
All Other Causes		750			50			88			269			332		
35-44 YEARS																
All Causes of Death	001-999	6,187		216.2	346		113.0	808		432.4	1,485		185.4	3,509		226.1
Unintentional Injuries	E800-949	1,171	1	40.9	39	3	12.7	114	2	61.0	334	1	41.7	675	1	43.5
Motor vehicle	E810-825	390		13.6	22		7.2	32		17.1	122		15.2	210		13.5
Poisonings	E850-869	523		18.3	5		*	54		28.9	146		18.2	317		20.4
Malignant Neoplasms	140-208	854	2	29.8	95	1	31.0	76	5	40.7	177	2	22.1	503	2	32.4
Diseases of the Heart	390-398,402,404-429	847	3	29.6	56	2	18.3	146	1	78.1	144	4	18.0	498	3	32.1
Ischemic heart	410-414	406		14.2	33		10.8	52		27.8	66		8.2	254		16.4
Other heart diseases	420-429	340		11.9	15		4.9	70		37.5	62		7.7	191		12.3
Acquired Immune Deficiency Syndrome	042-044	532	4	18.6	11		3.6	97	3	51.9	126	5	15.7	296	5	19.1
Suicide	E950-959	532	4	18.6	26	4	8.5	34		18.2	72		9.0	400	4	25.8
Firearms/explosives	E955	240		8.4	8		*	15		8.0	43		5.4	174		11.2
Chronic Liver/Cirrhosis	571	365		12.8	13		4.2	22		11.8	156	3	19.5	171		11.0
Homicide	E960-969	289		10.1	23	5	7.5	86	4	46.0	91		11.4	85		5.5
Firearms/explosives	E965	186		6.5	16		5.2	58		31.0	65		8.1	45		2.9
All Other Causes		1,597			83			233			385			881		
45-54 YEARS																
All Causes of Death	001-999	9,705		474.5	673		302.9	1,247		1005.5	1,621		374.9	6,093		486.1
Diseases of the Heart	390-398,402,404-429	2,486	1	121.5	175	2	78.8	353	1	284.6	353	1	81.6	1,581	1	126.1
Ischemic heart	410-414	1,386		67.8	105		47.3	142		114.5	174		40.2	951		75.9
Acute myocardial infarction	410	648		31.7	61		27.5	57		46.0	90		20.8	430		34.3
Coronary atherosclerosis	414.0	423		20.7	25		11.3	50		40.3	40		9.3	305		24.3
Other heart diseases	420-429	857		41.9	48		21.6	149		120.1	150		34.7	503		40.1
Cardiomyopathy	425	284		13.9	15		6.8	64		51.6	49		11.3	155		12.4
Malignant Neoplasms	140-208	2,295	2	112.2	229	1	103.1	262	2	211.3	289	2	66.8	1,507	2	120.2
Lung cancer	162	553		27.0	50		22.5	73		58.9	45		10.4	384		30.6
Unintentional Injuries	E800-949	928	3	45.4	45	3	20.3	95	3	76.6	180	4	41.6	599	3	47.8
Motor vehicle	E810-825	297		14.5	25		11.3	17		13.7	63		14.6	191		15.2
Chronic Liver/Cirrhosis	571	624	4	30.5	21		9.5	43		34.7	210	3	48.6	343	4	27.4
Suicide	E950-959	406	5	19.9	23	5	10.4	21		16.9	35		8.1	327	5	26.1
Firearms/explosives	E955	219		10.7	10		4.5	11		8.9	20		4.6	178		14.2
Cerebrovascular Disease	430-438	328		16.0	43	4	19.4	59	5	47.6	82	5	19.0	143		11.4
Acquired Immune Deficiency Syndrome	042-044	297		14.5	7		*	61	4	49.2	42		9.7	185		14.8
All Other Causes		2,341			130			353			430			1,408		
55-64 YEARS																
All Causes of Death	001-999	13,290		1075.4	938		738.2	1,539		2052.8	1,925		868.4	8,808		1095.9
Malignant Neoplasms	140-208	4,351	1	352.1	340	1	267.6	457	2	609.6	511	1	230.5	3,028	1	376.8
Colon cancer	153	338		27.4	30		23.6	40		53.4	46		20.8	222		27.6
Lung cancer	162	1,420		114.9	83		65.3	173		230.8	89		40.1	1,067		132.8
Prostate cancer	185	211		17.1	8		*	42		56.0	27		12.2	133		16.5
Diseases of the Heart	390-398,402,404-429	4,022	2	325.5	281	2	221.1	541	1	721.6	502	2	226.5	2,679	2	333.3
Ischemic heart	410-414	2,546		206.0	189		148.7	278		370.8	302		136.2	1,764		219.5
Acute myocardial infarction	410	1,157		93.6	87		68.5	117		156.1	143		64.5	802		99.8
Coronary atherosclerosis	414.0	656		53.1	44		34.6	82		109.4	78		35.2	449		55.9
Other heart diseases	420-429	1,172		94.8	71		55.9	191		254.8	167		75.3	738		91.8
Cardiomyopathy	425	279		22.6	16		12.6	48		64.0	42		18.9	171		21.3
Cerebrovascular Disease	430-438	615	3	49.8	80	3	63.0	78	3	104.0	125	5	56.4	329	4	40.9
Chronic Liver/Cirrhosis	571	556	4	45.0	18		14.2	37		49.4	180	3	81.2	310	5	38.6
Chronic Obstructive Pulmonary Disease	490-496	528	5	42.7	25	5	19.7	60	5	80.0	36		16.2	406	3	50.5
Unintentional Injuries	E800-949	491		39.7	20		15.7	58		77.4	105		47.4	303		37.7
Diabetes	250	461		37.3	39	4	30.7	61	4	81.4	132	4	59.5	222		27.6
All Other Causes		2,266			135			247			334			1,531		

TABLE 5-16A (Continued)
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		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	23,620		2665.8	1,617		1926.5	1,923		4300.0	2,938		2142.8	17,062		2772.0
Malignant Neoplasms	140-208	7,617	1	859.7	556	1	662.4	582	2	1301.4	840	2	612.6	5,619	1	912.9
Colon cancer	153	591		66.7	49		58.4	52		116.3	71		51.8	416		67.6
Pancreatic cancer	157	389		43.9	22		26.2	30		67.1	55		40.1	282		45.8
Lung cancer	162	2,593		292.7	173		206.1	207		462.9	210		153.2	1,996		324.3
Prostate cancer	185	701		79.1	22		26.2	86		192.3	89		64.9	500		81.2
Urinary cancer	188-189	424		47.9	24		28.6	13		29.1	50		36.5	336		54.6
Diseases of the Heart	390-398,402, 404-429	7,463	2	842.3	434	2	517.1	654	1	1462.4	880	1	641.8	5,466	2	888.1
Hypertensive heart	402,404	352		39.7	28		33.4	60		134.2	32		23.3	231		37.5
Ischemic heart	410-414	5,168		583.3	298		355.0	377		843.0	607		442.7	3,866		628.1
Acute myocardial infarction	410	2,130		240.4	134		159.6	166		371.2	250		182.3	1,575		255.9
Coronary atherosclerosis	414.0	1,308		147.6	66		78.6	102		228.1	150		109.4	985		160.0
Other heart disease	420-429	1,848		208.6	103		122.7	212		474.1	229		167.0	1,296		210.6
Cardiomyopathy	425	404		45.6	23		27.4	44		98.4	34		24.8	302		49.1
Chronic Obstructive Pulmonary Disease	490-496	1,556	3	175.6	77	4	91.7	109	4	243.7	92		67.1	1,273	3	206.8
Emphysema	492	309		34.9	16		19.1	16		35.8	15		10.9	262		42.6
Cerebrovascular Disease	430-438	1,241	4	140.1	157	3	187.0	113	3	252.7	194	4	141.5	774	4	125.8
Pneumonia & Influenza	480-487	874	5	98.6	77	4	91.7	84		187.8	123	5	89.7	589	5	95.7
Diabetes	250	809		91.3	63		75.1	103	5	230.3	198	3	144.4	437		71.0
All Other Causes		4,060			253			278			611			2,904		
75-84 YEARS																
All Causes of Death	001-999	34,472		6843.7	2,090		4636.9	1,772		8185.9	2,510		4339.3	26,033		6907.7
Diseases of the Heart	390-398,402, 404-429	11,136	1	2210.8	657	1	1457.6	615	1	2841.0	832	1	1438.4	9,013	1	2391.6
Hypertensive heart	402,404	413		82.0	24		53.2	55		254.1	29		50.1	305		80.9
Ischemic heart	410-414	8,186		1625.2	499		1107.1	394		1820.1	600		1037.3	6,680		1772.5
Acute myocardial infarction	410	3,069		609.3	221		490.3	167		771.5	229		395.9	2,450		650.1
Coronary atherosclerosis	414.0	2,235		443.7	109		241.8	113		522.0	182		314.6	1,826		484.5
Other heart disease	420-429	2,420		480.4	132		292.9	158		729.9	201		347.5	1,923		510.3
Cardiomyopathy	425	477		94.7	30		66.6	31		143.2	27		46.7	387		102.7
Malignant Neoplasms	140-208	7,806	2	1549.7	505	2	1120.4	428	2	1977.2	590	2	1020.0	6,262	2	1661.6
Colon cancer	153	667		132.4	54		119.8	31		143.2	51		88.2	531		140.9
Pancreatic cancer	157	375		74.4	27		59.9	20		92.4	26		44.9	301		79.9
Lung cancer	162	2,247		446.1	145		321.7	125		577.4	134		231.7	1,831		485.8
Prostate cancer	185	1,246		247.4	52		115.4	112		517.4	111		191.9	968		256.9
Urinary cancer	188-189	488		96.9	24		53.2	22		101.6	36		62.2	406		107.7
Cerebrovascular Disease	430-438	2,429	3	482.2	220	3	488.1	128	4	591.3	164	4	283.5	1,913	4	507.6
Chronic Obstructive Pulmonary Disease	490-496	2,345	4	465.5	111	5	246.3	105	5	485.1	135		233.4	1,989	3	527.8
Emphysema	492	394		78.2	10		22.2	12		55.4	21		36.3	350		92.9
Pneumonia & Influenza	480-487	2,209	5	438.5	157	4	348.3	148	3	683.7	173	3	299.1	1,728	5	458.5
Diabetes	250	831		165.0	80		177.5	55		254.1	142	5	245.5	551		146.2
All Other Causes		7,716			360			293			474			4,577		
85 YEARS AND OVER																
All Causes of Death	001-999	20,102		15780.9	1,343		9878.6	836		16160.8	1,501		8391.6	16,394		18227.7
Diseases of the Heart	390-398,402, 404-429	7,971	1	6257.6	494	1	3633.7	328	1	6340.6	579	1	3237.0	6,560	1	7293.8
Ischemic heart	410-414	5,636		4424.5	354		2603.9	207		4001.5	407		2275.4	4,662		5183.5
Acute myocardial infarction	410	1,838		1442.9	113		831.2	86		1662.5	145		810.6	1,492		1658.9
Coronary atherosclerosis	414.0	1,966		1543.4	119		875.3	69		1333.8	145		810.6	1,633		1815.7
Other heart disease	420-429	1,966		1543.4	111		816.5	100		1933.1	144		805.1	1,607		1786.7
Heart failure	428	459		360.3	24		176.5	22		425.3	35		195.7	377		419.2
Malignant Neoplasms	140-208	2,850	2	2237.4	172	2	1265.2	139	2	2687.0	218	2	1218.8	2,317	2	2576.2
Colon cancer	153	271		212.7	16		117.7	15		290.0	22		123.0	217		241.3
Lung cancer	162	537		421.6	35		257.4	23		444.6	39		218.0	438		487.0
Prostate cancer	185	748		587.2	26		191.2	54		1043.9	61		341.0	606		673.8
Pneumonia & Influenza	480-487	2,262	3	1775.8	165	3	1213.7	79	3	1527.2	172	3	961.6	1,845	3	2051.4
Cerebrovascular Disease	430-438	1,714	4	1345.6	146	4	1073.9	70	4	1353.2	128	4	715.6	1,369	4	1522.1
Chronic Obstructive Pulmonary Disease	490-496	1,174	5	921.6	89	5	654.7	40	5	773.2	93	5	519.9	948	5	1054.0
All Other Causes		4,131			277			180			311			3,355		

- 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 Male 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.