

SECTION XIX

Table XIX-1. Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-1999, Lung and Bronchus Cancer

Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
All Races												
1988	16,762	9,932	6,830	71.9	99.0	52.6	12,813	7,766	5,047	55.4	79.1	38.7
1989	16,768	9,827	6,941	70.3	96.4	52.0	13,127	7,843	5,284	55.5	78.4	39.6
1990	17,390	10,159	7,231	70.3	95.9	52.3	13,275	7,912	5,363	54.2	76.8	38.8
1991	17,212	9,918	7,294	68.0	91.2	51.6	13,469	7,824	5,645	53.7	73.4	40.0
1992	17,467	9,938	7,529	67.3	88.7	52.0	13,364	7,624	5,740	52.0	69.2	39.6
1993	17,315	9,702	7,613	65.9	85.6	51.8	13,650	7,764	5,886	52.3	69.9	39.9
1994	17,176	9,643	7,533	64.5	83.9	50.6	13,682	7,752	5,930	51.8	68.9	39.8
1995	17,463	9,760	7,703	64.6	83.6	51.0	13,666	7,632	6,034	50.9	66.9	39.8
1996	17,262	9,432	7,830	62.7	79.4	50.9	13,579	7,590	5,989	49.6	65.1	38.7
1997	17,305	9,407	7,898	61.4	76.7	50.2	13,754	7,608	6,146	49.1	63.4	38.9
1998	17,004	9,234	7,770	59.1	73.7	48.4	13,498	7,484	6,014	47.1	60.7	37.3
1999	16,457	8,831	7,626	55.9	68.6	46.7	13,737	7,553	6,184	46.9	59.8	37.5
Asian/Pacific Islander												
1988	632	419	213	45.5	65.1	28.9	473	316	157	36.1	51.7	22.7
1989	674	453	221	45.9	67.5	27.9	479	315	164	33.4	47.3	21.7
1990	742	479	263	45.9	65.5	29.7	487	332	155	32.0	48.3	18.6
1991	765	510	255	43.0	62.9	26.7	584	394	190	34.4	50.9	20.9
1992	899	600	299	47.0	69.6	28.5	596	397	199	32.0	47.0	19.7
1993	866	578	288	42.7	63.2	26.2	664	434	230	33.7	49.4	21.1
1994	892	585	307	41.7	61.4	26.1	682	464	218	32.6	49.9	19.0
1995	959	612	347	42.7	61.3	28.1	689	423	266	31.6	43.4	22.4
1996	1,008	647	361	41.4	59.6	27.1	716	470	246	30.8	45.6	19.3
1997	1,096	688	408	42.8	60.3	29.0	766	480	286	30.0	42.3	20.4
1998	1,128	708	420	41.3	59.3	27.4	779	496	283	29.1	42.1	19.0
1999	1,095	694	401	38.4	54.9	25.4	915	555	360	32.5	44.4	23.1
Black												
1988	1,137	760	377	87.2	135.9	51.3	925	643	282	72.1	117.9	39.1
1989	1,179	771	408	89.0	138.6	53.8	953	659	294	72.9	119.0	39.5
1990	1,290	814	476	93.9	138.8	61.5	962	613	349	71.4	108.7	45.5
1991	1,260	832	428	90.4	141.0	54.1	1,031	660	371	75.0	114.1	47.4
1992	1,263	815	448	87.5	133.4	54.6	1,034	647	387	72.8	108.4	47.6
1993	1,266	794	472	86.8	130.0	56.8	1,001	682	319	70.2	115.0	39.1
1994	1,187	707	480	80.4	113.2	57.4	999	620	379	69.9	106.8	45.7
1995	1,304	834	470	87.2	133.5	54.9	1,034	640	394	69.9	105.1	46.2
1996	1,267	789	478	83.2	125.7	54.4	997	634	363	66.4	102.1	42.0
1997	1,251	798	453	78.1	116.6	49.8	1,087	673	414	69.4	103.1	46.0
1998	1,235	722	513	75.9	105.3	55.2	1,014	617	397	63.4	92.0	43.2
1999	1,209	698	511	74.2	102.2	54.8	1,052	632	420	66.1	95.2	46.1

(Table Continues)

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.
 Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.
 Note: *In situ* cancers are excluded, unless specified. Rates based on fewer than 15 cases or deaths are not shown.
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

LUNG AND BRONCHUS CANCER

Table XIX-1. Incidence and Mortality Counts and Age-Adjusted (2000 U.S. Population) Rates per 100,000 Persons by Year, Race/Ethnicity, and Sex, California, 1988-1999, Lung and Bronchus Cancer (continued)

Year of Diagnosis or Death	Incidence						Mortality					
	New Cases			Annual Rate			Deaths			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
Hispanic												
1988	1,048	654	394	40.7	59.3	27.1	692	448	244	28.3	43.1	17.7
1989	1,058	645	413	39.4	57.4	26.8	747	506	241	29.1	46.4	16.8
1990	1,131	712	419	39.9	60.3	25.8	735	486	249	27.3	43.6	16.1
1991	1,115	673	442	36.6	52.7	25.4	819	513	306	28.1	42.3	18.2
1992	1,161	686	475	36.5	51.4	26.2	795	501	294	25.9	38.6	16.9
1993	1,217	725	492	36.2	50.6	26.0	841	539	302	26.4	40.6	16.4
1994	1,124	701	423	31.9	46.9	21.2	858	538	320	25.6	38.7	16.5
1995	1,269	798	471	34.4	50.3	22.7	886	562	324	25.2	37.1	16.4
1996	1,203	708	495	31.0	43.0	22.5	942	588	354	25.0	36.1	16.8
1997	1,253	738	515	30.7	41.8	22.5	997	595	402	25.6	35.4	18.4
1998	1,337	780	557	31.5	42.2	23.5	990	623	367	23.9	34.3	16.1
1999	1,281	730	551	28.2	36.7	21.7	1,004	622	382	23.1	33.1	15.6
Non-Hispanic White												
1988	13,879	8,058	5,821	78.4	105.3	59.4	10,679	6,333	4,346	60.2	84.2	43.7
1989	13,782	7,919	5,863	76.6	102.5	58.7	10,914	6,341	4,573	60.8	83.4	45.4
1990	14,165	8,117	6,048	76.6	101.9	59.2	11,068	6,470	4,598	60.0	83.0	44.6
1991	14,000	7,864	6,136	74.7	97.2	59.1	11,012	6,243	4,769	58.9	78.3	45.6
1992	14,080	7,801	6,279	73.9	94.5	59.4	10,908	6,062	4,846	57.4	74.4	45.4
1993	13,888	7,553	6,335	72.5	91.3	59.3	11,123	6,096	5,027	58.1	74.8	46.6
1994	13,898	7,608	6,290	72.3	91.4	58.9	11,105	6,109	4,996	57.8	74.4	46.3
1995	13,872	7,479	6,393	71.8	89.3	59.6	11,029	5,989	5,040	57.1	72.8	46.5
1996	13,690	7,238	6,452	70.3	85.9	59.5	10,892	5,880	5,012	55.8	70.8	45.6
1997	13,623	7,137	6,486	69.3	83.3	59.3	10,865	5,834	5,031	55.0	69.3	45.3
1998	13,205	6,978	6,227	66.3	80.4	56.3	10,667	5,716	4,951	53.4	66.6	44.1
1999	12,741	6,645	6,096	63.1	75.1	54.6	10,723	5,720	5,003	52.9	65.5	43.9

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.
 Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.
 Note: *In situ* cancers are excluded, unless specified. Rates based on fewer than 15 cases or deaths are not shown.
 Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

SECTION XIX

Table XIX-2. Five-Year Incidence and Mortality Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 1995-1999, Lung and Bronchus Cancer

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 1995-99			Annual Rate			Deaths 1995-99			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
All Races												
00 - 04	4	0	4	0	0	0	0	0	0	0	0	0
05 - 09	2	1	1	0	0	0	1	1	0	0	0	0
10 - 14	3	2	1	0	0	0	0	0	0	0	0	0
15 - 19	7	6	1	0	0	0	1	1	0	0	0	0
20 - 24	19	11	8	0	0	0	13	11	2	0	0	0
25 - 29	57	33	24	0	1	0	27	18	9	0	0	0
30 - 34	153	84	69	1	1	1	85	50	35	1	1	1
35 - 39	508	279	229	4	4	3	273	152	121	2	2	2
40 - 44	1,223	653	570	9	10	9	814	448	366	6	7	6
45 - 49	2,500	1,392	1,108	23	25	20	1,699	983	716	15	18	13
50 - 54	4,621	2,577	2,044	53	60	46	3,199	1,830	1,369	37	42	31
55 - 59	7,053	3,878	3,175	105	117	92	4,968	2,821	2,147	74	85	62
60 - 64	10,040	5,693	4,347	181	213	151	7,430	4,309	3,121	134	161	108
65 - 69	13,962	7,858	6,104	275	332	225	10,482	6,053	4,429	206	256	163
70 - 74	16,545	9,109	7,436	354	445	283	13,024	7,289	5,735	279	356	219
75 - 79	14,418	7,859	6,559	398	518	311	12,180	6,711	5,469	336	442	260
80 - 84	8,974	4,575	4,399	378	506	299	8,384	4,415	3,969	353	488	270
85 +	5,402	2,654	2,748	277	444	203	5,654	2,775	2,879	290	464	213
Total/Crude	85,491	46,664	38,827	52	56	47	68,234	37,867	30,367	41	46	37
Asian/Pacific Islander												
00 - 04	1	0	1	0	0	0	0	0	0	0	0	0
05 - 09	1	1	0	0	0	0	0	0	0	0	0	0
10 - 14	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	0	0	0	0	0	0	1	1	0	0	0	0
20 - 24	1	0	1	0	0	0	0	0	0	0	0	0
25 - 29	5	2	3	0	0	0	6	4	2	0	1	0
30 - 34	17	7	10	1	1	1	12	4	8	1	1	1
35 - 39	47	24	23	3	3	3	32	17	15	2	2	2
40 - 44	115	64	51	8	9	7	76	37	39	5	5	5
45 - 49	196	109	87	15	18	13	146	85	61	11	14	9
50 - 54	291	184	107	32	42	22	182	113	69	20	26	14
55 - 59	403	258	145	57	77	40	286	182	104	41	54	28
60 - 64	610	394	216	106	149	70	429	271	158	75	103	51
65 - 69	838	543	295	167	248	105	570	389	181	114	177	64
70 - 74	1,077	746	331	252	407	136	711	476	235	167	260	97
75 - 79	816	510	306	271	391	179	626	395	231	208	303	135
80 - 84	493	296	197	277	389	194	445	267	178	250	351	175
85 +	375	211	164	273	353	211	343	183	160	250	307	206
Total/Crude	5,286	3,349	1,937	29	38	21	3,865	2,424	1,441	22	27	16
Black												
00 - 04	0	0	0	0	0	0	0	0	0	0	0	0
05 - 09	0	0	0	0	0	0	0	0	0	0	0	0
10 - 14	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	0	0	0	0	0	0	0	0	0	0	0	0
20 - 24	3	1	2	0	0	1	2	1	1	0	0	0
25 - 29	3	2	1	0	0	0	0	0	0	0	0	0
30 - 34	13	7	6	1	1	1	6	3	3	1	1	1
35 - 39	95	63	32	9	13	6	51	36	15	5	7	3
40 - 44	204	116	88	23	27	19	135	75	60	15	18	13
45 - 49	319	195	124	44	56	32	232	140	92	32	40	24
50 - 54	538	352	186	100	140	65	393	245	148	73	97	52
55 - 59	736	449	287	170	220	125	559	355	204	129	174	89
60 - 64	938	595	343	267	364	182	765	511	254	217	313	135
65 - 69	1,036	610	426	371	496	273	868	525	343	311	427	220
70 - 74	1,009	629	380	425	636	274	871	519	352	367	525	254
75 - 79	746	473	273	432	706	259	687	432	255	398	645	242
80 - 84	391	219	172	365	592	246	381	230	151	356	621	216
85 +	235	130	105	281	530	178	234	124	110	280	505	186
Total/Crude	6,266	3,841	2,425	54	68	42	5,184	3,196	1,988	45	56	34

(Table Continues)

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.

Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.

Note: *In situ* cancers are excluded, unless specified. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

LUNG AND BRONCHUS CANCER

Table XIX-2. Five-Year Incidence and Mortality Counts and Average Annual Age-Specific and Crude Rates per 100,000 Persons by Age, Race/Ethnicity, and Sex, California, 1995-1999, Lung and Bronchus Cancer (continued)

Age at Diagnosis or Death	Incidence						Mortality					
	New Cases 1995-99			Annual Rate			Deaths 1995-99			Annual Rate		
	Total	Male	Female	T	M	F	Total	Male	Female	T	M	F
Hispanic												
00 - 04	2	0	2	0	0	0	0	0	0	0	0	0
05 - 09	1	0	1	0	0	0	0	0	0	0	0	0
10 - 14	0	0	0	0	0	0	0	0	0	0	0	0
15 - 19	4	3	1	0	0	0	0	0	0	0	0	0
20 - 24	10	6	4	0	0	0	8	7	1	0	0	0
25 - 29	19	10	9	0	0	0	7	5	2	0	0	0
30 - 34	35	20	15	1	1	1	27	18	9	1	1	0
35 - 39	77	45	32	2	2	2	35	19	16	1	1	1
40 - 44	162	76	86	5	5	6	95	54	41	3	3	3
45 - 49	220	134	86	9	11	7	144	96	48	6	8	4
50 - 54	406	229	177	25	28	21	282	183	99	17	22	12
55 - 59	528	312	216	43	52	35	343	218	125	28	37	20
60 - 64	761	446	315	79	97	62	510	324	186	53	70	37
65 - 69	1,106	692	414	136	185	94	777	530	247	95	142	56
70 - 74	1,129	688	441	178	245	125	874	550	324	138	196	92
75 - 79	917	564	353	223	328	147	761	475	286	185	276	119
80 - 84	564	313	251	225	332	160	506	281	225	201	298	144
85 +	402	216	186	169	262	119	450	230	220	189	279	141
Total/Crude	6,343	3,754	2,589	13	15	11	4,819	2,990	1,829	10	12	8
Non-Hispanic White												
00 - 04	1	0	1	0	0	0	0	0	0	0	0	0
05 - 09	0	0	0	0	0	0	1	1	0	0	0	0
10 - 14	3	2	1	0	0	0	0	0	0	0	0	0
15 - 19	3	3	0	0	0	0	0	0	0	0	0	0
20 - 24	5	4	1	0	0	0	3	3	0	0	0	0
25 - 29	28	19	9	1	1	0	14	9	5	0	0	0
30 - 34	88	50	38	1	1	1	40	25	15	1	1	0
35 - 39	287	145	142	4	4	4	154	80	74	2	2	2
40 - 44	734	395	339	10	10	9	503	281	222	7	7	6
45 - 49	1,749	947	802	26	28	24	1,172	658	514	18	20	15
50 - 54	3,355	1,796	1,559	60	65	56	2,332	1,283	1,049	42	46	38
55 - 59	5,344	2,834	2,510	123	132	114	3,755	2,049	1,706	86	95	78
60 - 64	7,685	4,233	3,452	212	240	186	5,693	3,185	2,508	157	180	135
65 - 69	10,909	5,977	4,932	316	366	271	8,246	4,596	3,650	239	281	200
70 - 74	13,239	6,998	6,241	395	474	332	10,540	5,726	4,814	314	388	256
75 - 79	11,870	6,277	5,593	436	550	354	10,074	5,389	4,685	370	472	296
80 - 84	7,471	3,715	3,756	409	536	331	7,031	3,625	3,406	385	523	300
85 +	4,360	2,082	2,278	294	487	216	4,618	2,229	2,389	312	521	227
Total/Crude	67,131	35,477	31,654	78	83	73	54,176	29,139	25,037	63	68	58

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.
 Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.
 Note: *In situ* cancers are excluded, unless specified. Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.

SECTION XIX

Table XIX-3. Risk (Percent) of Being Diagnosed with Invasive Cancer within the Next 10, 20, or 30 Years, or in Remaining Lifetime, Assuming Cancer Free at Current Age, and Lifetime Risk of Being Diagnosed with or Dying of Cancer by Race/Ethnicity and Sex, Lung and Bronchus Cancer

Current Age	Males				Females			
	+10 yrs	+20 yrs	+30 yrs	Eventually	+10 yrs	+20 yrs	+30 yrs	Eventually
All Races								
0	0.00	0.00	0.00	7.61	0.00	0.00	0.00	5.95
25	0.01	0.07	0.47	7.78	0.01	0.07	0.38	6.01
35	0.07	0.46	1.88	7.88	0.06	0.37	1.48	6.04
45	0.41	1.86	4.71	8.01	0.32	1.44	3.50	6.06
55	1.53	4.52	7.09	8.01	1.15	3.28	5.19	5.91
65	3.36	6.25	-	7.28	2.29	4.36	-	5.14
Lifetime Risk of Being Diagnosed = 7.61 %				Lifetime Risk of Being Diagnosed = 5.95 %				
Lifetime Risk of Dying of Cancer = 6.50 %				Lifetime Risk of Dying of Cancer = 4.88 %				
Asian/Pacific Islander								
0	0.00	0.00	0.00	7.52	0.00	0.00	0.00	4.55
25	0.01	0.07	0.35	7.62	0.01	0.05	0.22	4.59
35	0.06	0.35	1.38	7.67	0.05	0.22	0.73	4.60
45	0.29	1.33	3.96	7.71	0.17	0.69	1.74	4.59
55	1.07	3.78	6.14	7.64	0.53	1.60	2.96	4.50
65	2.94	5.50	-	7.14	1.12	2.56	-	4.17
Lifetime Risk of Being Diagnosed = 7.52 %				Lifetime Risk of Being Diagnosed = 4.55 %				
Lifetime Risk of Dying of Cancer = 5.75 %				Lifetime Risk of Dying of Cancer = 3.77 %				
Black								
0	0.00	0.00	0.00	8.49	0.00	0.00	0.00	5.23
25	0.01	0.20	1.04	8.82	0.01	0.13	0.58	5.34
35	0.19	1.06	3.28	9.07	0.12	0.58	1.88	5.40
45	0.92	3.25	6.60	9.35	0.47	1.80	3.77	5.43
55	2.60	6.33	8.69	9.39	1.42	3.51	4.81	5.28
65	4.61	7.52	-	8.39	2.39	3.88	-	4.42
Lifetime Risk of Being Diagnosed = 8.49 %				Lifetime Risk of Being Diagnosed = 5.23 %				
Lifetime Risk of Dying of Cancer = 7.38 %				Lifetime Risk of Dying of Cancer = 4.46 %				
Hispanic								
0	0.00	0.00	0.00	5.04	0.00	0.00	0.00	3.21
25	0.01	0.04	0.22	5.17	0.01	0.04	0.18	3.25
35	0.03	0.22	0.87	5.24	0.04	0.18	0.62	3.26
45	0.19	0.86	2.51	5.33	0.14	0.59	1.51	3.26
55	0.70	2.43	4.27	5.39	0.46	1.41	2.44	3.20
65	1.91	3.94	-	5.17	1.01	2.11	-	2.92
Lifetime Risk of Being Diagnosed = 5.04 %				Lifetime Risk of Being Diagnosed = 3.21 %				
Lifetime Risk of Dying of Cancer = 4.35 %				Lifetime Risk of Dying of Cancer = 2.66 %				
Non-Hispanic White								
0	0.00	0.00	0.01	8.16	0.00	0.00	0.00	6.85
25	0.01	0.08	0.51	8.29	0.01	0.07	0.45	6.91
35	0.07	0.51	2.11	8.39	0.06	0.45	1.82	6.94
45	0.45	2.09	5.17	8.54	0.39	1.78	4.23	6.97
55	1.73	4.97	7.65	8.51	1.43	3.95	6.09	6.78
65	3.65	6.67	-	7.63	2.73	5.04	-	5.78
Lifetime Risk of Being Diagnosed = 8.16 %				Lifetime Risk of Being Diagnosed = 6.85 %				
Lifetime Risk of Dying of Cancer = 6.95 %				Lifetime Risk of Dying of Cancer = 5.57 %				

Prepared by the California Department of Health Services (CDHS), Cancer Surveillance Section.

Source: California Cancer Registry (08/01) and CDHS Center for Health Statistics Death Master Files.

Note: Based on average annual age-specific cancer incidence and mortality rates in California, 1995-1999.

Race/ethnicity categories are mutually exclusive. Persons of Hispanic ethnicity may be of any race.