

Table A.1

Number of Incidence Cases, 2002-2006

By Primary Cancer Site, Race and Sex
17 SEER Geographic Areas

Site	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	38,632	26,341	12,291	31,818	21,837	9,981	3,559	2,457	1,102
Esophagus	16,427	12,417	4,010	13,784	10,538	3,246	1,740	1,215	525
Stomach	28,709	17,321	11,388	20,809	12,799	8,010	3,532	1,988	1,544
Colon & Rectum	178,384	90,408	87,976	145,948	74,362	71,586	17,960	8,577	9,383
Colon	128,387	62,274	66,113	105,256	51,300	53,956	13,586	6,314	7,272
Rectum	49,997	28,134	21,863	40,692	23,062	17,630	4,374	2,263	2,111
Liver & IBD ^a	24,526	17,204	7,322	16,944	11,885	5,059	2,729	1,976	753
Pancreas	42,126	20,593	21,533	34,581	17,068	17,513	4,537	2,055	2,482
Larynx	12,815	10,264	2,551	10,486	8,368	2,118	1,803	1,439	364
Lung & Bronchus	226,241	120,932	105,309	190,656	100,376	90,280	22,443	12,886	9,557
Melanoma of the skin	72,796	41,453	31,343	68,882	39,465	29,417	314	137	177
Breast	249,622	1,840	247,782	207,650	1,538	206,112	22,644	207	22,437
Cervix uteri	16,058	-	16,058	12,245	-	12,245	2,092	-	2,092
Corpus & Uterus, NOS	46,758	-	46,758	39,322	-	39,322	3,690	-	3,690
Ovary ^b	26,372	-	26,372	22,448	-	22,448	1,866	-	1,866
Prostate	255,343	255,343	-	203,565	203,565	-	30,742	30,742	-
Testis	10,415	10,415	-	9,577	9,577	-	265	265	-
Urinary bladder	75,455	56,389	19,066	67,987	51,168	16,819	3,643	2,317	1,326
Kidney & Renal pelvis	49,970	30,899	19,071	42,214	26,147	16,067	4,851	2,972	1,879
Brain & ONS ^a	23,973	13,298	10,675	21,102	11,786	9,316	1,452	761	691
Thyroid	36,479	8,780	27,699	30,318	7,554	22,764	2,144	427	1,717
Hodgkin lymphoma	10,522	5,708	4,814	8,830	4,801	4,029	1,079	561	518
Non-Hodgkin lymphoma	71,464	38,275	33,189	61,074	32,721	28,353	5,039	2,749	2,290
Myeloma	20,399	11,132	9,267	15,541	8,680	6,861	3,515	1,762	1,753
Leukemia	44,690	25,513	19,177	38,109	21,892	16,217	3,208	1,755	1,453
Acute lymphocytic	6,116	3,505	2,611	5,107	2,939	2,168	408	233	175
Chronic lymphocytic	14,653	8,685	5,968	12,938	7,692	5,246	876	514	362
Acute myeloid	12,797	6,934	5,863	10,734	5,888	4,846	990	495	495
Chronic myeloid	5,407	3,102	2,305	4,485	2,573	1,912	457	256	201
All others	5,717	3,287	2,430	4,845	2,800	2,045	477	257	220
Kaposi Sarcoma	2,357	2,147	210	1,654	1,499	155	518	482	36
Mesothelioma	3,829	2,952	877	3,512	2,717	795	183	135	48
All Sites	1,692,617	870,291	822,326	1,409,260	722,655	686,605	155,532	82,345	73,187

Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

^a IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.^b Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

- Count not shown due to fewer than 16 cases during the time period.

Table A.1

Number of Incidence Cases, 2002-2006

By Primary Cancer Site, Race and Sex
17 SEER Geographic Areas

Site	Asian/Pacific Islander			American Indian/Alaska Native ^a			Hispanic ^b		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	2,604	1,639	965	156	99	57	2,666	1,822	844
Esophagus	727	530	197	79	56	23	1,079	844	235
Stomach	3,993	2,306	1,687	209	128	81	4,576	2,555	2,021
Colon & Rectum	12,236	6,325	5,911	789	375	414	14,976	8,064	6,912
Colon	8,104	3,943	4,161	563	248	315	10,140	5,212	4,928
Rectum	4,132	2,382	1,750	226	127	99	4,836	2,852	1,984
Liver & IBD ^c	4,470	3,079	1,391	199	133	66	4,239	2,997	1,242
Pancreas	2,665	1,302	1,363	170	81	89	3,855	1,810	2,045
Larynx	404	359	45	31	22	-	977	847	130
Lung & Bronchus	11,582	6,848	4,734	788	402	386	11,643	6,592	5,051
Melanoma of the skin	472	231	241	69	35	34	2,218	911	1,307
Breast	16,581	77	16,504	868	-	866	22,312	118	22,194
Cervix uteri	1,425	-	1,425	92	-	92	3,764	-	3,764
Corpus & Uterus, NOS	3,132	-	3,132	187	-	187	4,409	-	4,409
Ovary ^d	1,798	-	1,798	124	-	124	2,790	-	2,790
Prostate	11,717	11,717	-	600	600	-	21,503	21,503	-
Testis	322	322	-	75	75	-	1,957	1,957	-
Urinary bladder	2,681	2,036	645	133	99	34	4,053	2,985	1,068
Kidney & Renal pelvis	2,184	1,355	829	349	196	153	5,668	3,429	2,239
Brain & ONS ^c	1,163	608	555	85	44	41	3,108	1,718	1,390
Thyroid	3,409	670	2,739	151	33	118	4,992	925	4,067
Hodgkin lymphoma	465	254	211	27	17	-	1,544	891	653
Non-Hodgkin lymphoma	4,018	2,128	1,890	215	108	107	7,319	3,979	3,340
Myeloma	994	516	478	90	39	51	2,097	1,101	996
Leukemia	2,343	1,287	1,056	164	90	74	5,462	3,077	2,385
Acute lymphocytic	500	279	221	39	25	-	2,083	1,180	903
Chronic lymphocytic	267	149	118	31	18	-	680	394	286
Acute myeloid	954	494	460	46	19	27	1,537	830	707
Chronic myeloid	327	194	133	26	-	-	630	365	265
All others	295	171	124	22	-	-	532	308	224
Kaposi Sarcoma	70	64	-	-	-	-	553	516	37
Mesothelioma	106	81	25	-	-	-	374	271	103
All Sites	97,790	46,691	51,099	6,178	2,886	3,292	149,897	74,254	75,643

Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

^a Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.^c Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.^d IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.^e Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

- Count not shown due to fewer than 16 cases during the time period.

Table A.2

Standard Errors of Incidence Rates, 2002-2006

By Primary Cancer Site, Race and Sex
17 SEER Geographic Areas

Site	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.05	0.10	0.06	0.06	0.11	0.06	0.18	0.35	0.18
Esophagus	0.04	0.07	0.03	0.04	0.08	0.03	0.14	0.28	0.13
Stomach	0.05	0.09	0.05	0.05	0.09	0.05	0.21	0.40	0.23
Colon & Rectum	0.12	0.19	0.15	0.13	0.21	0.16	0.46	0.79	0.56
Colon	0.10	0.16	0.13	0.11	0.18	0.14	0.40	0.70	0.50
Rectum	0.06	0.10	0.07	0.07	0.11	0.08	0.22	0.38	0.26
Liver & IBD ^a	0.04	0.08	0.04	0.04	0.08	0.04	0.16	0.32	0.15
Pancreas	0.06	0.09	0.07	0.06	0.10	0.08	0.24	0.39	0.30
Larynx	0.03	0.06	0.03	0.03	0.07	0.03	0.13	0.29	0.10
Lung & Bronchus	0.13	0.23	0.16	0.15	0.25	0.18	0.51	0.97	0.57
Melanoma of the skin	0.07	0.12	0.09	0.09	0.15	0.11	0.06	0.10	0.07
Breast	0.13	0.03	0.25	0.15	0.03	0.28	0.46	0.12	0.80
Cervix uteri	0.03	-	0.07	0.04	-	0.07	0.13	-	0.23
Corpus & Uterus, NOS	0.06	-	0.11	0.07	-	0.12	0.20	-	0.34
Ovary ^b	0.04	-	0.08	0.05	-	0.09	0.14	-	0.24
Prostate	0.14	0.32	-	0.15	0.34	-	0.58	1.43	-
Testis	0.03	0.05	-	0.03	0.06	-	0.04	0.08	-
Urinary bladder	0.08	0.16	0.07	0.09	0.18	0.08	0.22	0.44	0.22
Kidney & Renal pelvis	0.06	0.11	0.07	0.07	0.12	0.08	0.22	0.41	0.24
Brain & ONS ^a	0.04	0.07	0.05	0.05	0.08	0.06	0.11	0.18	0.13
Thyroid	0.05	0.05	0.09	0.06	0.06	0.10	0.13	0.14	0.20
Hodgkin lymphoma	0.03	0.04	0.04	0.03	0.05	0.04	0.08	0.13	0.10
Non-Hodgkin lymphoma	0.07	0.12	0.09	0.08	0.14	0.10	0.22	0.37	0.26
Myeloma	0.04	0.07	0.05	0.04	0.07	0.05	0.20	0.36	0.24
Leukemia	0.06	0.10	0.07	0.07	0.11	0.08	0.18	0.33	0.21
Acute lymphocytic	0.02	0.03	0.03	0.02	0.04	0.03	0.05	0.07	0.06
Chronic lymphocytic	0.03	0.06	0.04	0.04	0.07	0.04	0.11	0.20	0.11
Acute myeloid	0.03	0.05	0.04	0.03	0.06	0.04	0.10	0.17	0.12
Chronic myeloid	0.02	0.03	0.02	0.02	0.04	0.03	0.07	0.12	0.08
All others	0.02	0.04	0.02	0.02	0.04	0.03	0.07	0.13	0.08
Kaposi Sarcoma	0.01	0.03	0.01	0.01	0.03	0.01	0.06	0.12	0.03
Mesothelioma	0.02	0.04	0.01	0.02	0.04	0.02	0.05	0.11	0.04
All Sites	0.36	0.59	0.45	0.40	0.65	0.51	1.29	2.33	1.50

Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

^a IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.^b Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

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Standard Errors of Incidence Rates, 2002-2006

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17 SEER Geographic Areas

Site	Asian/Pacific Islander			American Indian/Alaska Native ^a			Hispanic ^b		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.16	0.27	0.17	0.59	0.96	0.70	0.12	0.23	0.13
Esophagus	0.09	0.18	0.09	0.52	0.97	0.52	0.09	0.19	0.08
Stomach	0.22	0.39	0.25	0.82	1.49	0.92	0.18	0.32	0.21
Colon & Rectum	0.37	0.61	0.45	1.58	2.39	2.10	0.33	0.56	0.40
Colon	0.30	0.49	0.38	1.38	2.03	1.86	0.28	0.46	0.34
Rectum	0.21	0.35	0.24	0.78	1.27	0.96	0.18	0.31	0.20
Liver & IBD ^c	0.22	0.40	0.22	0.74	1.27	0.84	0.16	0.30	0.17
Pancreas	0.18	0.29	0.22	0.77	1.21	1.01	0.18	0.28	0.23
Larynx	0.07	0.15	0.04	0.29	0.53	-	0.08	0.18	0.05
Lung & Bronchus	0.37	0.66	0.41	1.66	2.73	2.08	0.31	0.56	0.36
Melanoma of the skin	0.07	0.11	0.09	0.42	0.72	0.50	0.11	0.17	0.14
Breast	0.38	0.06	0.70	1.43	-	2.61	0.34	0.06	0.61
Cervix uteri	0.11	-	0.20	0.42	-	0.78	0.11	-	0.22
Corpus & Uterus, NOS	0.17	-	0.30	0.67	-	1.23	0.15	-	0.28
Ovary ^d	0.13	-	0.23	0.56	-	1.01	0.13	-	0.22
Prostate	0.37	0.86	-	1.42	3.30	-	0.41	0.96	-
Testis	0.05	0.10	-	0.27	0.56	-	0.05	0.09	-
Urinary bladder	0.18	0.37	0.16	0.67	1.34	0.61	0.19	0.39	0.17
Kidney & Renal pelvis	0.15	0.27	0.17	0.99	1.66	1.18	0.19	0.33	0.21
Brain & ONS ^c	0.10	0.16	0.13	0.38	0.61	0.49	0.11	0.18	0.13
Thyroid	0.16	0.17	0.27	0.49	0.57	0.81	0.13	0.13	0.21
Hodgkin lymphoma	0.06	0.10	0.08	0.18	0.28	-	0.07	0.11	0.08
Non-Hodgkin lymphoma	0.21	0.35	0.25	0.78	1.26	1.01	0.21	0.35	0.26
Myeloma	0.11	0.18	0.13	0.53	0.80	0.73	0.12	0.21	0.15
Leukemia	0.15	0.25	0.19	0.60	0.93	0.75	0.15	0.26	0.18
Acute lymphocytic	0.07	0.10	0.09	0.20	0.34	-	0.06	0.08	0.08
Chronic lymphocytic	0.06	0.10	0.07	0.31	0.52	-	0.08	0.14	0.09
Acute myeloid	0.10	0.16	0.12	0.33	0.43	0.46	0.09	0.15	0.10
Chronic myeloid	0.06	0.10	0.07	0.25	-	-	0.06	0.10	0.07
All others	0.06	0.10	0.07	0.23	-	-	0.06	0.10	0.06
Kaposi Sarcoma	0.03	0.05	-	-	-	-	0.05	0.09	0.03
Mesothelioma	0.03	0.07	0.03	-	-	-	0.06	0.11	0.05
All Sites	1.01	1.66	1.28	4.21	6.66	5.47	0.97	1.65	1.19

Source: SEER 17 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia, California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey).

^a Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.^c Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.^d IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.^d Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

- Statistic could not be calculated due to fewer than 16 cases during the time period.

Table A.3

Number of Deaths, 2002-2006

By Primary Cancer Site, Race and Sex
United States

Site	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	38,833	26,332	12,501	32,111	21,375	10,736	5,395	4,069	1,326
Esophagus	65,767	51,124	14,643	56,960	44,797	12,163	7,627	5,446	2,181
Stomach	59,026	34,551	24,475	44,961	26,511	18,450	10,095	5,826	4,269
Colon & Rectum	272,167	136,924	135,243	231,385	116,822	114,563	34,101	16,623	17,478
Liver & IBD ^a	76,674	49,632	27,042	60,859	38,994	21,865	9,929	6,746	3,183
Pancreas	159,024	78,418	80,606	136,445	67,896	68,549	18,434	8,552	9,882
Larynx	18,798	14,849	3,949	15,230	11,938	3,292	3,320	2,705	615
Lung & Bronchus	791,442	448,984	342,458	693,734	390,053	303,681	82,175	49,740	32,435
Melanoma of the skin	40,069	25,573	14,496	39,197	25,144	14,053	592	282	310
Breast	207,897	1,874	206,023	174,625	1,564	173,061	28,589	285	28,304
Cervix uteri	19,621	-	19,621	14,815	-	14,815	3,979	-	3,979
Corpus & Uterus, NOS	35,222	-	35,222	28,617	-	28,617	5,760	-	5,760
Ovary	73,699	-	73,699	65,940	-	65,940	6,017	-	6,017
Prostate	146,279	146,279	-	119,675	119,675	-	24,375	24,375	-
Testis	1,811	1,811	-	1,629	1,629	-	132	132	-
Urinary bladder	64,867	44,676	20,191	59,263	41,537	17,726	4,735	2,565	2,170
Kidney & Renal pelvis	61,660	38,376	23,284	54,826	34,181	20,645	5,569	3,399	2,170
Brain & ONS ^a	64,598	35,836	28,762	59,365	32,970	26,395	3,915	2,114	1,801
Thyroid	7,068	2,910	4,158	6,175	2,641	3,534	600	173	427
Hodgkin lymphoma	6,574	3,660	2,914	5,758	3,188	2,570	667	388	279
Non-Hodgkin lymphoma	105,789	56,056	49,733	96,235	51,015	45,220	7,126	3,754	3,372
Myeloma	53,770	28,083	25,687	43,796	23,279	20,517	8,934	4,291	4,643
Leukemia	108,393	60,912	47,481	97,092	54,824	42,268	8,981	4,775	4,206
Acute lymphocytic	7,085	4,013	3,072	6,190	3,492	2,698	606	357	249
Chronic lymphocytic	22,150	12,991	9,159	20,190	11,841	8,349	1,799	1,049	750
Acute myeloid	41,060	22,804	18,256	36,857	20,648	16,209	3,144	1,566	1,578
Chronic myeloid	5,908	3,255	2,653	5,044	2,751	2,293	713	407	306
All others	32,190	17,849	14,341	28,811	16,092	12,719	2,719	1,396	1,323
All Sites	2,787,217	1,444,050	1,343,167	2,406,846	1,247,148	1,159,698	314,013	162,787	151,226

Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^a IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

- Count not shown due to fewer than 16 cases during the time period.

Table A.3

Number of Deaths, 2002-2006

By Primary Cancer Site, Race and Sex
United States

Site	Asian/Pacific Islander			American Indian/Alaska Native ^a			Hispanic ^b		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	1,129	753	376	132	88	44	1,584	1,174	410
Esophagus	891	664	227	205	156	49	2,266	1,794	472
Stomach	3,548	1,963	1,585	350	212	138	6,339	3,593	2,746
Colon & Rectum	5,540	2,850	2,690	837	451	386	12,506	6,741	5,765
Liver & IBD ^c	5,291	3,523	1,768	430	252	178	8,037	5,290	2,747
Pancreas	3,520	1,670	1,850	421	206	215	7,872	3,919	3,953
Larynx	166	142	24	51	44	-	877	788	89
Lung & Bronchus	12,437	7,519	4,918	2,025	1,074	951	21,165	13,542	7,623
Melanoma of the skin	197	99	98	66	39	27	812	461	351
Breast	3,891	23	3,868	541	-	540	9,529	54	9,475
Cervix uteri	671	-	671	115	-	115	2,116	-	2,116
Corpus & Uterus, NOS	729	-	729	88	-	88	1,757	-	1,757
Ovary	1,456	-	1,456	205	-	205	3,441	-	3,441
Prostate	1,728	1,728	-	336	336	-	6,323	6,323	-
Testis	40	40	-	-	-	-	266	266	-
Urinary bladder	721	482	239	85	53	32	2,032	1,363	669
Kidney & Renal pelvis	831	516	315	332	206	126	3,621	2,301	1,320
Brain & ONS ^c	1,114	629	485	129	85	44	3,474	1,917	1,557
Thyroid	269	86	183	18	-	-	574	239	335
Hodgkin lymphoma	126	70	56	18	-	-	509	298	211
Non-Hodgkin lymphoma	2,088	1,115	973	254	126	128	5,421	2,930	2,491
Myeloma	783	383	400	187	93	94	2,784	1,420	1,364
Leukemia	1,947	1,104	843	260	150	110	5,905	3,348	2,557
Acute lymphocytic	230	123	107	46	31	-	1,312	756	556
Chronic lymphocytic	111	74	37	29	17	-	451	262	189
Acute myeloid	922	516	406	96	50	46	2,112	1,174	938
Chronic myeloid	117	73	44	23	18	-	354	208	146
All others	567	318	249	66	34	32	1,676	948	728
All Sites	54,725	28,187	26,538	8,145	4,078	4,067	124,150	65,457	58,693

Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^a Mortality data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

Mortality data for Hispanics are based on NHIA and exclude cases from District of Columbia, Minnesota, New Hampshire and North Dakota.

^c IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

- Count not shown due to fewer than 16 cases during the time period.

Table A.4
Standard Errors of Death Rates, 2002-2006
By Primary Cancer Site, Race and Sex
United States

Site	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.01	0.02	0.01	0.01	0.03	0.01	0.05	0.11	0.04
Esophagus	0.02	0.03	0.01	0.02	0.04	0.01	0.06	0.13	0.06
Stomach	0.02	0.03	0.02	0.02	0.03	0.02	0.08	0.15	0.08
Colon & Rectum	0.03	0.06	0.04	0.04	0.06	0.04	0.14	0.26	0.16
Colon	0.03	0.05	0.04	0.03	0.06	0.04	0.13	0.24	0.15
Rectum	0.01	0.02	0.02	0.01	0.03	0.02	0.05	0.10	0.06
Liver & IBD ^a	0.02	0.03	0.02	0.02	0.03	0.02	0.07	0.14	0.07
Pancreas	0.03	0.04	0.03	0.03	0.05	0.04	0.10	0.17	0.13
Larynx	0.01	0.02	0.01	0.01	0.02	0.01	0.04	0.09	0.03
Lung & Bronchus	0.06	0.11	0.07	0.06	0.11	0.08	0.21	0.42	0.22
Melanoma of the skin	0.01	0.02	0.01	0.02	0.03	0.02	0.02	0.03	0.02
Breast	0.03	0.01	0.05	0.03	0.01	0.06	0.12	0.03	0.20
Cervix uteri	0.01	-	0.02	0.01	-	0.02	0.04	-	0.07
Corpus & Uterus, NOS	0.01	-	0.02	0.01	-	0.02	0.06	-	0.10
Ovary	0.02	-	0.03	0.02	-	0.04	0.06	-	0.10
Prostate	0.03	0.07	-	0.03	0.07	-	0.13	0.37	-
Testis	0.00	0.01	-	0.00	0.01	-	0.01	0.02	-
Urinary bladder	0.02	0.04	0.02	0.02	0.04	0.02	0.06	0.11	0.06
Kidney & Renal pelvis	0.02	0.03	0.02	0.02	0.03	0.02	0.05	0.11	0.06
Brain & ONS ^a	0.02	0.03	0.02	0.02	0.03	0.02	0.04	0.07	0.05
Thyroid	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.03
Hodgkin lymphoma	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02
Non-Hodgkin lymphoma	0.02	0.04	0.03	0.02	0.04	0.03	0.06	0.11	0.07
Myeloma	0.02	0.03	0.02	0.02	0.03	0.02	0.07	0.13	0.09
Leukemia	0.02	0.04	0.03	0.02	0.04	0.03	0.07	0.13	0.08
Acute lymphocytic	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.03	0.02
Chronic lymphocytic	0.01	0.02	0.01	0.01	0.02	0.01	0.03	0.07	0.04
Acute myeloid	0.01	0.02	0.02	0.02	0.03	0.02	0.04	0.07	0.05
Chronic myeloid	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.02
All others	0.01	0.02	0.01	0.01	0.02	0.01	0.04	0.08	0.04
All Sites	0.11	0.19	0.14	0.12	0.20	0.15	0.42	0.79	0.48

Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^a IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

- Statistic could not be calculated due to fewer than 16 cases during the time period.

Table A.4

Standard Errors of Death Rates, 2002-2006

By Primary Cancer Site, Race and Sex
United States

Site	Asian/Pacific Islander			American Indian/Alaska Native ^a			Hispanic ^b		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.07	0.12	0.07	0.22	0.41	0.23	0.04	0.08	0.04
Esophagus	0.06	0.13	0.06	0.28	0.57	0.25	0.05	0.10	0.04
Stomach	0.13	0.23	0.15	0.38	0.72	0.41	0.08	0.15	0.09
Colon & Rectum	0.16	0.27	0.20	0.59	1.02	0.72	0.12	0.21	0.14
Colon	0.15	0.25	0.18	0.54	0.92	0.66	0.11	0.19	0.13
Rectum	0.07	0.12	0.08	0.25	0.44	0.29	0.05	0.08	0.05
Liver & IBD ^c	0.15	0.27	0.16	0.42	0.70	0.50	0.09	0.17	0.10
Pancreas	0.13	0.21	0.16	0.42	0.69	0.54	0.10	0.16	0.12
Larynx	0.03	0.06	0.02	0.14	0.31	-	0.03	0.07	0.02
Lung & Bronchus	0.24	0.45	0.26	0.92	1.56	1.11	0.16	0.31	0.17
Melanoma of the skin	0.03	0.05	0.03	0.15	0.27	0.18	0.03	0.05	0.03
Breast	0.12	0.02	0.21	0.45	-	0.78	0.09	0.02	0.16
Cervix uteri	0.05	-	0.09	0.18	-	0.33	0.04	-	0.07
Corpus & Uterus, NOS	0.05	-	0.09	0.19	-	0.33	0.04	-	0.08
Ovary	0.07	-	0.13	0.28	-	0.49	0.06	-	0.11
Prostate	0.11	0.26	-	0.44	1.14	-	0.10	0.26	-
Testis	0.01	0.02	-	-	-	-	0.01	0.02	-
Urinary bladder	0.06	0.13	0.06	0.20	0.40	0.20	0.05	0.11	0.05
Kidney & Renal pelvis	0.06	0.11	0.07	0.36	0.67	0.38	0.06	0.12	0.07
Brain & ONS ^c	0.06	0.11	0.07	0.19	0.34	0.21	0.05	0.08	0.06
Thyroid	0.04	0.05	0.05	0.09	-	-	0.03	0.04	0.03
Hodgkin lymphoma	0.02	0.04	0.03	0.08	-	-	0.02	0.04	0.02
Non-Hodgkin lymphoma	0.10	0.17	0.12	0.32	0.50	0.40	0.08	0.13	0.09
Myeloma	0.06	0.10	0.08	0.28	0.48	0.35	0.06	0.10	0.07
Leukemia	0.09	0.16	0.10	0.31	0.54	0.36	0.07	0.12	0.08
Acute lymphocytic	0.03	0.04	0.03	0.09	0.16	-	0.02	0.03	0.03
Chronic lymphocytic	0.03	0.05	0.03	0.13	0.23	-	0.03	0.05	0.03
Acute myeloid	0.06	0.11	0.07	0.19	0.31	0.23	0.04	0.07	0.05
Chronic myeloid	0.02	0.03	0.02	0.09	0.17	-	0.02	0.03	0.02
All others	0.05	0.09	0.06	0.17	0.29	0.20	0.04	0.07	0.05
All Sites	0.49	0.85	0.60	1.82	3.09	2.26	0.37	0.65	0.44

Source: US Mortality Files, National Center for Health Statistics, Centers for Disease Control and Prevention.

^a Mortality data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.^b Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

Mortality data for Hispanics are based on NHIA and exclude cases from District of Columbia, Minnesota, New Hampshire and North Dakota.

^c IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

- Statistic could not be calculated due to fewer than 16 cases during the time period.

Table A.5

SEER Site Recode ICD-O-3 (1/27/2003) Definition

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
Oral Cavity and Pharynx			
Lip	C000-C009		20010
Tongue	C019-C029		20020
Salivary Gland	C079-C089		20030
Floor of Mouth	C040-C049		20040
Gum and Other Mouth	C030-C039, C050-C059, C060-C069	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	20050
Nasopharynx	C110-C119		20060
Tonsil	C090-C099		20070
Oropharynx	C100-C109		20080
Hypopharynx	C129, C130-C139		20090
Other Oral Cavity and Pharynx	C140, C142-C148		20100
Digestive System			
Esophagus	C150-C159	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	21010
Stomach	C160-C169		21020
Small Intestine	C170-C179		21030
Colon and Rectum			
Colon excluding Rectum			
Cecum	C180		21041
Appendix	C181		21042
Ascending Colon	C182		21043
Hepatic Flexure	C183	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	21044
Transverse Colon	C184		21045
Splenic Flexure	C185		21046
Descending Colon	C186		21047
Sigmoid Colon	C187		21048
Large Intestine, NOS	C188-C189, C260		21049
Rectum and Rectosigmoid Junction			
Rectosigmoid Junction	C199	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	21051
Rectum	C209		21052
Anus, Anal Canal and Anorectum	C210-C212, C218		21060
Liver and Intrahepatic Bile Duct			
Liver	C220		21071
Intrahepatic Bile Duct	C221		21072
Gallbladder	C239	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	21080
Other Biliary	C240-C249		21090
Pancreas	C250-C259		21100
Retroperitoneum	C480		21110
Peritoneum, Omentum and Mesentery	C481-C482		21120
Other Digestive Organs	C268-C269, C488		21130
Respiratory System			
Nose, Nasal Cavity and Middle Ear	C300-C301, C310-C319		22010
Larynx	C320-C329		22020
Lung and Bronchus	C340-C349	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	22030
Pleura	C384		22050
Trachea, Mediastinum and Other Respiratory Organs	C339, C381-C383, C388 C390, C398, C399		22060
Bones and Joints	C400-C419	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	23000
Soft Tissue including Heart	C380, C470-C479, C490-C499	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	24000
Skin excluding Basal and Squamous			
Melanoma of the Skin	C440-C449	8720-8790	25010
Other Non-Epithelial Skin	C440-C449	excluding 8000-8005, 8010-8045, 8050-8084, 8090-8110, 8720-8790, 9590-9989, and sometimes 9050-9055, 9140 ⁺	25020
Breast	C500-C509	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	26000
Female Genital System			
Cervix Uteri	C530-C539		27010
Corpus and Uterus, NOS			
Corpus Uteri	C540-C549		27020
Uterus, NOS	C559	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	27030
Ovary	C569		27040
Vagina	C529		27050
Vulva	C510-C519		27060
Other Female Genital Organs	C570-C589		27070

Table A.5 - continued

SEER Site Recode ICD-O-3 (1/27/2003) Definition

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
Male Genital System			
Prostate	C619		28010
Testis	C620-C629	excluding 9590-9989, and	28020
Penis	C600-C609	sometimes 9050-9055, 9140 ⁺	28030
Other Male Genital Organs	C630-C639		28040
Urinary System			
Urinary Bladder	C670-C679		29010
Kidney and Renal Pelvis	C649, C659	excluding 9590-9989, and	29020
Ureter	C669	sometimes 9050-9055, 9140 ⁺	29030
Other Urinary Organs	C680-C689		29040
Eye and Orbit	C690-C699	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	30000
Brain and Other Nervous System			
Brain	C710-C719	excluding 9530-9539, 9590-9989, and sometimes 9050-9055, 9140 ⁺	31010
Cranial Nerves Other Nervous System	C710-C719 C700-C709, C720-C729	9530-9539 excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	31040
Endocrine System			
Thyroid	C739	excluding 9590-9989, and	32010
Other Endocrine including Thymus	C379, C740-C749, C750-C759	sometimes 9050-9055, 9140 ⁺	32020
Lymphoma			
Hodgkin Lymphoma			
Hodgkin - Nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9650-9667	33011
Hodgkin - Extranodal	All other sites		33012
Non-Hodgkin Lymphoma			
NHL - Nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729, 9823, 9827	33041
NHL - Extranodal	All sites except C024, C098-C099, C111, C142, C379, C422, C770-C779	9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729	33042
	All sites except C024, C098- C099, C111, C142, C379, C420-C422, C424, C770-C779	9823, 9827	
Myeloma		9731-9732, 9734	34000
Leukemia			
Lymphocytic Leukemia			
Acute Lymphocytic Leukemia		9826, 9835-9837	35011
Chronic Lymphocytic Leukemia	C420-C421, C424	9823	35012
Other Lymphocytic Leukemia		9820, 9832-9834, 9940	35013
Myeloid and Monocytic Leukemia			
Acute Myeloid Leukemia		9840, 9861, 9866, 9867, 9871-9874, 9895-9897, 9910, 9920	35021
Acute Monocytic Leukemia		9891	35031
Chronic Myeloid Leukemia		9863, 9875, 9876, 9945, 9946	35022
Other Myeloid/Monocytic Leukemia		9860, 9930	35023
Other Leukemia			
Other Acute Leukemia		9801, 9805, 9931	35041
Aleukemic, Subleukemic and NOS		9733, 9742, 9800, 9831, 9870, 9948, 9963, 9964	35043
	C420, C421, C424	9827	
Mesothelioma ⁺		9050-9055	36010
Kaposi Sarcoma ⁺		9140	36020
Miscellaneous		9740-9741, 9750-9758, 9760-9769, 9950, 9960-9962, 9970, 9975, 9980, 9982-9987, 9989	37000
	C420-C424, C760-C768 C770-C779, C809	excluding 9590-9989, and sometimes 9050-9055, 9140 ⁺	
Invalid	Site or histology code not within valid range or site code not found in this table		99999

⁺ The Site Recode variable can be created with or without Mesothelioma (9050-9055) and Kaposi Sarcoma (9140) as separate groupings. The table above documents both possibilities.

Table A.6

International Classification of Childhood Cancer (ICCC)^a Definition

Site Group	ICD-0-3 Morphology	ICD-0-3 Topography
I. Leukemias, myeloproliferative diseases, and myelodysplastic diseases		
a. Lymphoid leukemias	9820, 9823, 9826, 9827, 9831-9837, 9940, 9948	
b. Acute myeloid leukemias	9840, 9861, 9866, 9867, 9870-9874, 9891, 9895-9897, 9910, 9920, 9931	
c. Chronic myeloproliferative diseases	9863, 9875, 9876, 9950, 9960-9964	
d. Myelodysplastic syndrome and other myeloproliferative diseases	9945, 9946, 9975, 9980, 9982-9987, 9989	
e. Unspecified and other specified leukemias	9800, 9801, 9805, 9860, 9930	
II. Lymphomas and reticuloendothelial neoplasms		
a. Hodgkin lymphomas	9650-9655, 9659, 9661-9665, 9667	
b. Non-Hodgkin lymphomas (except Burkitt lymphoma)	9591, 9670, 9671, 9673, 9675, 9678-9680, 9684, 9689-9691, 9695, 9698-9702, 9705, 9708, 9709, 9714, 9716-9719, 9727-9729, 9731-9734, 9760-9762, 9764-9769, 9970	
c. Burkitt lymphoma	9687	
d. Miscellaneous lymphoreticular neoplasms	9740-9742, 9750, 9754-9758	
e. Unspecified lymphomas	9590, 9596	
III. CNS and miscellaneous intracranial and intraspinal neoplasms		
a. Ependymomas and choroid plexus tumor	9383, 9390-9394 ^b	
b. Astrocytomas	9380 ^b	C72.3
	9384, 9400-9411, 9420, 9421-9424, 9440-9442 ^b	
c. Intracranial and intraspinal embryonal tumors	9470-9474, 9480, 9508 ^b	C70.0-C72.9
d. Other gliomas	9501-9504 ^b	C70.0-C72.2, C72.4-C72.9, C75.1, C75.3
	9381, 9382, 9430, 9444, 9450, 9451, 9460 ^b	
e. Other specified intracranial and intraspinal neoplasms	8270-8281, 8300, 9350-9352, 9360-9362, 9412, 9413, 9492, 9493, 9505-9507, 9530-9539, 9582 ^b	
f. Unspecified intracranial and intraspinal neoplasms	8000-8005 ^b	C70.0-C72.9, C75.1-C75.3
IV. Neuroblastoma and other peripheral nervous cell tumors		
a. Neuroblastoma and ganglioneuroblastoma	9490, 9500	
b. Other peripheral nervous cell tumors	8680-8683, 8690-8693, 8700, 9520-9523	
	9501-9504	C00.0-C69.9, C73.9-C76.8, C80.9
V. Retinoblastoma	9510-9514	
VI. Renal tumors		
a. Nephroblastoma and other nonepithelial renal tumors	8959, 8960, 8964-8967	
	8963, 9364	C64.9
b. Renal carcinomas	8010-8041, 8050-8075, 8082, 8120-8122, 8130-8141, 8143, 8155, 8190-8201, 8210, 8211, 8221-8231, 8240, 8241, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8401, 8430, 8440, 8480-8490, 8504, 8510, 8550, 8560-8576	C64.9
	8311, 8312, 8316-8319, 8361	
c. Unspecified malignant renal tumors	8000-8005	C64.9
VII. Hepatic tumors		
a. Hepatoblastoma	8970	
b. Hepatic carcinomas	8010-8041, 8050-8075, 8082, 8120-8122, 8140, 8141, 8143, 8155, 8190-8201, 8210, 8211, 8230, 8231, 8240, 8241, 8244-8246, 8260-8264, 8310, 8320, 8323, 8401, 8430, 8440, 8480-8490, 8504, 8510, 8550, 8560-8576	C22.0, C22.1
	8160-8180	
c. Unspecified malignant hepatic tumors	8000-8005	C22.0, C22.1

^a International Classification of Childhood Cancer is based on ICD-0-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005; Vol 103, No. 7, pg 1457-1467.

^b Tumors with nonmalignant behavior are included for all morphology codes on the line. CNS: central nervous system.

Table A.6 - continued

International Classification of Childhood Cancer (ICCC)^a Definition

Site Group	ICD-0-3 Morphology	ICD-0-3 Topography
VIII. Malignant bone tumors		
a. Osteosarcomas	9180-9187, 9191-9195, 9200	C40.0-C41.9, C76.0-C76.8, C80.9
b. Chondrosarcomas	9210, 9220, 9240	C40.0-C41.9, C76.0-C76.8, C80.9
	9221, 9230, 9241-9243	
c. Ewing tumor and related sarcomas of bone	9260	C40.0-C41.9, C76.0-C76.8, C80.9
	9363-9365	C40.0-C41.9
d. Other specified malignant bone tumors	8810, 8811, 8823, 8830 8812, 9250, 9261, 9262, 9270-9275, 9280-9282, 9290, 9300-9302, 9310-9312, 9320-9322, 9330, 9340-9342, 9370-9372	C40.0-C41.9
e. Unspecified malignant bone tumors	8000-8005, 8800, 8801, 8803-8805	C40.0-C41.9
IX. Soft tissue and <STYLE> other extraosseous sarcomas		
a. Rhabdomyosarcomas	8900-8905, 8910, 8912, 8920, 8991	
b. Fibrosarcomas, peripheral nerve sheath tumors, and other fibrous neoplasms	8810, 8811, 8813-8815, 8821, 8823, 8834-8835	C00.0-C39.9, C44.0-C76.8, C80.9
	8820, 8822, 8824-8827, 9150, 9160, 9491, 9540-9571, 9580	
c. Kaposi sarcoma	9140	
d. Other specified soft tissue sarcomas	8587, 8710-8713, 8806, 8831-8833, 8836, 8840-8842, 8850-8858, 8860-8862, 8870, 8880, 8881, 8890-8898, 8921, 8982, 8990, 9040-9044, 9120-9125, 9130-9133, 9135, 9136, 9141, 9142, 9161, 9170-9175, 9231, 9251, 9252, 9373, 9581	
	8830	C00.0-C39.9, C44.0-C76.8, C80.9
	8963	C00.0-C63.9, C65.9- C69.9, C73.9-C76.8, C80.9
	9180, 9210, 9220, 9240	C49.0-C49.9
	9260	C00.0-C39.9, C47.0-C75.9
	9364	C00.0-C39.9, C47.0- C63.9, C65.9-C69.9, C73.9-C76.8, C80.9
	9365	C00.0-C39.9, C47.0- C63.9, C65.9-C76.8, C80.9
e. Unspecified soft tissue sarcomas	8800-8805	C00.0-C39.9, C44.0-C76.8
X. Germ cell tumors, trophoblastic tumors, and neoplasms of gonads		
a. Intracranial and intraspinal germ cell tumors	9060-9065, 9070-9072, 9080-9085, 9100, 9101 ^b	C70.0-C72.9, C75.1-C75.3
b. Malignant extracranial and extragonadal germ cell tumors	9060-9065, 9070-9072, 9080-9085, 9100-9105	C00.0-C55.9, C57.0- C61.9, C63.0-C69.9, C73.9-C75.0, C75.4- C76.8, C80.9
c. Malignant gonadal germ cell tumors	9060-9065, 9070-9073, 9080-9085, 9090, 9091, 9100, 9101	C56.9, C62.0-C62.9
d. Gonadal carcinomas	8010-8041, 8050-8075, 8082, 8120-8122, 8130-8141, 8143, 8190-8201, 8210, 8211, 8221-8241, 8244-8246, 8260-8263, 8290, 8310, 8313, 8320, 8323, 8380-8384, 8430, 8440, 8480-8490, 8504, 8510, 8550, 8560-8573, 9000, 9014, 9015	C56.9, C62.0-C62.9
	8441-8444, 8450, 8451, 8460-8473	
e. Other and unspecified malignant gonadal tumors	8590-8671 8000-8005	C56.9, C62.0-C62.9

^a International Classification of Childhood Cancer is based on ICD-0-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005: Vol 103, No. 7, pg 1457-1467.

^b Tumors with nonmalignant behavior are included for all morphology codes on the line. CNS: central nervous system.

Table A.6 - continued

International Classification of Childhood Cancer (ICCC)^a Definition

Site Group	ICD-0-3 Morphology	ICD-0-3 Topography
XI. Other malignant epithelial neoplasms and malignant melanomas		
a. Adrenocortical carcinomas	8370-8375	
b. Thyroid carcinomas	8010-8041, 8050-8075, 8082, 8120-8122, 8130-8141, 8190, 8200, 8201, 8211, 8230, 8231, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8430, 8440, 8480, 8481, 8510, 8560-8573	C73.9
c. Nasopharyngeal carcinomas	8330-8337, 8340-8347, 8350	
d. Malignant melanomas	8010-8041, 8050-8075, 8082, 8083, 8120-8122, 8130-8141, 8190, 8200, 8201, 8211, 8230, 8231, 8244-8246, 8260-8263, 8290, 8310, 8320, 8323, 8430, 8440, 8480, 8481, 8500-8576	C11.0-C11.9
e. Skin carcinomas	8720-8780, 8790	
f. Other and unspecified carcinomas	8010-8041, 8050-8075, 8078, 8082, 8090-8110, 8140, 8143, 8147, 8190, 8200, 8240, 8246, 8247, 8260, 8310, 8320, 8323, 8390-8420, 8430, 8480, 8542, 8560, 8570-8573, 8940, 8941	C44.0-C44.9
	8010-8084, 8120-8157, 8190-8264, 8290, 8310, 8313-8315, 8320-8325, 8360, 8380-8384, 8430-8440, 8452-8454, 8480-8586, 8588-8589, 8940, 8941, 8983, 9000, 9010-9016, 9020, 9030	C00.0-C10.9, C12.9-C21.8, C23.9-C39.9, C48.0-C48.8, C50.0-C55.9, C57.0-C61.9, C63.0-C63.9, C65.9-C72.9, C75.0-C76.8, C80.9
XII. Other and unspecified malignant neoplasms		
a. Other specified malignant tumors	8930-8936, 8950, 8951, 8971-8981, 9050-9055, 9110	
	9363	C00.0-C39.9, C47.0-C75.9
b. Other unspecified malignant tumors	8000-8005	C00.0-C21.8, C23.9-C39.9, C42.0-C55.9, C57.0-C61.9, C63.0-C63.9, C65.9-C69.9, C73.9-C75.0, C75.4-C80.9

^a International Classification of Childhood Cancer is based on ICD-0-3. Steliarova-Foucher E, Stiller C, Lacour B, Kaatsch P. International Classification of Childhood Cancer, Third Edition. Cancer. April 1, 2005; Vol 103, No. 7, pg 1457-1467.

^b Tumors with nonmalignant behavior are included for all morphology codes on the line. CNS: central nervous system.

Table A.7

Adapted Classification Scheme for Tumors of Adolescents and Young Adults^a Definition

Site Group	ICD-0-3 Morphology	ICD-0-3 Topography
1. Leukemias		
1.1 Acute lymphoid leukemia	9826-9827, 9835-9837	
1.2 Acute myeloid leukemia	9840, 9861, 9866-9867, 9871-9874, 9891, 9895-9897, 9910, 9920	
1.3 Chronic myeloid leukemia	9863, 9875-9876	
1.4 Other and unspecified leukemia	9742, 9800-9801, 9805, 9820, 9823, 9831-9834, 9860, 9870, 9930-9931, 9940, 9945-9946, 9948, 9963-9964	
2. Lymphomas		
2.1 Non-Hodgkin lymphoma	9590-9591, 9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714, 9716-9719, 9727-9729	
2.2 Hodgkin lymphoma	9650-9655, 9659, 9661-9665, 9667	
3. CNS and Other Intracranial and Intraspinial Neoplasms		
3.1 Astrocytoma		
3.1.1 Specified low-grade astrocytic tumors	9410-9411, 9420-9421, 9424 9380	C72.3
3.1.2 Glioblastoma and anaplastic astrocytoma	9401, 9440-9442	
3.1.3 Astrocytoma, NOS	9400	
3.2 Other glioma	9380	C00.0-C72.2, C72.4-C80.9
3.3 Ependymoma	9391-9394	
3.4 Medulloblastoma and other PNET		
3.4.1 Medulloblastoma	9470-9474	C71.6
3.4.2 Supratentorial PNET	9470-9474	C00.0-C71.5, C71.7-C80.9
3.5 Other specified intracranial intraspinal neoplasms	9350-9351, 9360-9362, 9390, 9480, 9530-9535, 9537-9539, 9541, 9550, 9562, 9570 9161, 9361-9362, 9390, 9530-9531, 9535, 9538, 9540, 9560, 9571 9532, 9534, 9537, 9539 9360 9480, 9539 9480, 9533 9350 9480 9539	C00.0-C69.9, C73.0-C75.0, C75.4-C80.9 C70.0-C72.9, C75.1-C75.3 C70.0 C75.3 C71.1 C71.3 C71.9 C71.4, C71.7 C70.9
3.6 Unspecified intracranial and intraspinal neoplasms	8000-8005	C70.0-C72.9, C75.1-C75.3
4. Osseous & Chondromatous Neoplasms		
4.1 Osteosarcoma	9180-9187, 9192-9194	
4.2 Chondrosarcoma	9220-9221, 9230-9231, 9240, 9242-9243	
4.3 Ewing tumor	9260, 9364-9365	
4.4 Other specified and unspecified bone tumors	8812, 9250, 9261, 9370-9372 8000-8005, 8800-8803, 8805-8806, 9200	C40.0-C41.9
5. Soft Tissue Sarcomas		
5.1 Fibromatous neoplasms	8810-8811, 8813-8815, 8820-8824, 8830, 8832-8833, 8835-8836, 9252	
5.2 Rhabdomyosarcoma	8900-8904, 8910, 8912, 8920-8921, 8991	
5.3 Other specified soft tissue sarcoma		
5.3.1 Specified soft tissue sarcoma		
5.3.1.1 Specified (excluding Kaposi sarcoma)	8804, 8825, 8840-8897, 8982-8983, 8990, 9040-9044, 9120-9150, 9170, 9251, 9561, 9580-9581, 9970 9540, 9560, 9571	C00.0-C69.9, C73.0-C75.0, C75.4-C80.9
5.3.1.2 Kaposi sarcoma	9140	
5.3.2 Unspecified soft tissue sarcoma	8800-8803, 8805-8806	C00.0-C39.9, C42.0-C80.9

^a Adapted from: RD Barr, EJ Holowaty, JM Birch. Classification Scheme for tumors diagnosed in adolescents and young adults. Cancer. 106:7; 1425-1430. (Restricted to malignant tumors and updated based on ICD-0-3 definitions).
CNS: central nervous system.

Table A.7 - continued

Adapted Classification Scheme for Tumors of Adolescents and Young Adults^a Definition

Site Group	ICD-0-3 Morphology	ICD-0-3 Topography
6. Germ Cell and Trophoblastic Neoplasms		
6.1 Germ cell and trophoblastic neoplasms of gonads	9060-9065, 9070-9073, 9080-9085, 9090-9091, 9100-9102, 9105	C56.9, C62.0-C62.9
6.2 Germ cell and trophoblastic neoplasms of nongonadal sites		
6.2.1 Intracranial sites	9060-9065, 9070-9073, 9080-9085, 9090-9091, 9100-9102, 9105	C70.0-C72.9, C75.1, C75.3
6.2.2 Other nongonadal sites	9060-9065, 9070-9073, 9080-9085, 9090-9091, 9100-9102, 9104-9105	C00.0-C56.8, C57.0-C61.9, C63.0-C69.9, C73.0-C75.0, C75.2, C75.4-C80.9
7. Melanoma and Skin Carcinomas		
7.1 Melanoma	8720-8723, 8726, 8728, 8730, 8740-8746, 8761, 8770-8774, 8780	
7.2 Skin carcinomas	8010-8589	C44.0-C44.9
8. Carcinomas		
8.1 Thyroid carcinoma	8010-8589	C73.9
8.2 Other carcinoma of head and neck		
8.2.1 Nasopharyngeal carcinoma	8010-8589	C11.0-C11.9
8.2.2 Other sites in lip, oral cavity and pharynx	8010-8589	C00.0-C10.9, C12.0-C14.8
8.2.3 Nasal cavity, middle ear, sinuses, larynx, other ill-defined head/neck	8010-8589	C30.0-C32.9, C76.0
8.3 Carcinoma of trachea, bronchus and lung	8010-8589	C33.0-C34.9
8.4 Carcinoma of breast	8010-8589	C50.0-C50.9
8.5 Carcinoma of genitourinary tract		
8.5.1 Carcinoma of kidney	8010-8589	C64.9
8.5.2 Carcinoma of bladder	8010-8589	C67.0-C67.9
8.5.3 Carcinoma of gonads	8590-8593 8010-8589	C56.9, C62.0-C62.9
8.5.4 Carcinoma of cervix and uterus	8010-8589	C53.0-C55.9
8.5.5 Carcinoma of other and ill-defined sites, genitourinary tract	8010-8589 8473	C51.0-C52.9, C57.0-C57.9, C60.0-C61.9, C63.0-C63.9, C65.9, C66.9, C68.0-C68.9 C57.7
8.6 Carcinoma of gastrointestinal tract		
8.6.1 Carcinoma of colon and rectum	8010-8589	C18.0-C21.8
8.6.2 Carcinoma of stomach	8010-8589	C16.0-C16.9
8.6.3 Carcinoma of liver and intrahepatic bile ducts	8010-8589	C22.0-C22.1
8.6.4 Carcinoma of pancreas	8010-8589 8473	C25.0-C25.9 C25.0-C25.1, C25.8-C25.9
8.6.5 Carcinoma of other and ill-defined sites, gastrointestinal tract	8010-8589	C15.0-C15.9, C17.0-C17.9, C23.0-C24.9, C26.0-C26.9
8.7 Carcinoma of other and ill-defined sites, NOS		
8.7.1 Adrenocortical carcinoma	8010-8589	C74.0-C74.9
8.7.2 Carcinoma of other and ill-defined sites, NOS	8010-8589 8442, 9010,	C14.9, C21.9, C22.2-C22.9, C27.0-C29.9, C35.0-C43.9, C45.0-C49.9, C56.0-C56.8, C58.0-C59.9, C64.0-C64.8, C65.0-C65.8, C66.0-C66.8, C69.0-C73.8, C75.0-C75.9, C76.1-C80.9 C80.9

^a Adapted from: RD Barr, EJ Holowaty, JM Birch. Classification Scheme for tumors diagnosed in adolescents and young adults. Cancer. 106:7; 1425-1430. (Restricted to malignant tumors and updated based on ICD-0-3 definitions).

Table A.7 - continued

Adapted Classification Scheme for Tumors of Adolescents and Young Adults^a Definition

Site Group	ICD-0-3 Morphology	ICD-0-3 Topography
9. Miscellaneous specified neoplasms, NOS		
9.1 Other pediatric and embryonal tumors, NOS		
9.1.1 Wilms tumor	8959-8960	
9.1.2 Neuroblastoma	9490,9500	
9.1.3 Other pediatric and embryonal tumors, NOS	8963-8964, 8970-8973, 8981, 9363, 9501-9523	
9.2 Other specified and embryonal tumors, NOS		
9.2.1 Paraganglioma and glomus tumors	8680-8711	
9.2.2 Other specified gonadal tumors	8670, 9013-9015, 9054	C56.9
	8600-8650,9000	
9.2.3 Myeloma, mast cell, miscellaneous lymphoreticular neoplasms, NOS	9731-9741, 9743-9764, 9766, 9769, 9960	
9.2.4 Other specified neoplasms, NOS ^b	8930-8951, 8980, 9020, 9050-9053, 9110, 9160, 9270-9330, 9950, 9962, 9980, 9982	
	9961, 9975, 9989	C42.1
	9161	C00.0-C69.6, C73.0-C75.0, C75.4-C80.9
10. Unspecified Malignant Neoplasms	8000-8005	C00.0-C39.9, C42.0-C69.9, C73.0-C75.0, C75.2, C75.4-C80.9

^a Adapted from: RD Barr, EJ Holowaty, JM Birch. Classification Scheme for tumors diagnosed in adolescents and young adults. Cancer. 106:7; 1425-1430. (Restricted to malignant tumors and updated based on ICD-O-3 definitions).

^b Myeloproliferative disorders and myelodysplastic syndromes were first reported effective January 1, 2001 with the implementation of ICD-O 3.

Table A.8

SEER Cause of Death Recode 1969+ (9/17/2004) Definition

Cancer Causes of Death	ICD-9 (1979-1998) #	ICD-10 (1999+) #
All Malignant Cancers	140-208, 238.6	C00-C97
Oral Cavity and Pharynx		
Lip	140	C00
Tongue	141	C01-C02
Salivary Gland	142	C07-C08
Floor of Mouth	144	C04
Gum and Other Mouth	143, 145	C03, C05-C06
Nasopharynx	147	C11
Tonsil	146.0-146.2	C09
Oropharynx	146.3-146.9	C10
Hypopharynx	148	C12-C13
Other Oral Cavity and Pharynx	149	C14
Digestive System		
Esophagus	150	C15
Stomach	151	C16
Small Intestine	152	C17
Colon and Rectum		
Colon excluding Rectum	153, 159.0	C18, C26.0
Rectum and Rectosigmoid Junction	154.0-154.1	C19-C20
Anus, Anal Canal and Anorectum	154.2-154.3, 154.8	C21
Liver and Intrahepatic Bile Duct		
Liver	155.0, 155.2	C22.0, C22.2-C22.4, C22.7, C22.9
Intrahepatic Bile Duct	155.1	C22.1
Gallbladder	156.0	C23
Other Biliary	156.1-156.2, 156.8-156.9	C24
Pancreas	157	C25
Retroperitoneum	158.0	C48.0
Peritoneum, Omentum and Mesentery	158.8-158.9	C45.1 ⁺ , C48.1-C48.2
Other Digestive Organs	159.8-159.9	C26.8-C26.9, C48.8
Respiratory System		
Nose, Nasal Cavity and Middle Ear	160	C30-C31
Larynx	161	C32
Lung and Bronchus	162.2-162.5, 162.8-162.9	C34
Pleura	163	C38.4, C45.0 ⁺
Trachea, Mediastinum and Other Respiratory Organs	162.0, 164.2-164.3, 164.8-164.9, 165	C33, C38.1-C38.3, C38.8, C39
Bones and Joints	170	C40-C41
Soft Tissue including Heart §	164.1, 171	C47, C49, C38.0, C45.2 ⁺
Skin excluding Basal and Squamous		
Melanoma of the Skin	172	C43
Other Non-Epithelial Skin	173	C44, C46 ⁺
Breast	174-175	C50
Female Genital System		
Cervix Uteri	180	C53
Corpus and Uterus, NOS		
Corpus Uteri	182	C54
Uterus, NOS	179	C55
Ovary	183.0	C56
Vagina	184.0	C52
Vulva	184.1-184.4	C51
Other Female Genital Organs	181, 183.2-183.5, 183.8-183.9, 184.8-184.9	C57-C58
Male Genital System		
Prostate	185	C61
Testis	186	C62
Penis	187.1-187.4	C60
Other Male Genital Organs	187.5-187.9	C63
Urinary System		
Urinary Bladder	188	C67
Kidney and Renal Pelvis	189.0-189.1	C64-C65
Ureter	189.2	C66
Other Urinary Organs	189.3-189.4, 189.8-189.9	C68
Eye and Orbit	190	C69
Brain and Other Nervous System	191, 192	C70, C71, C72
Endocrine System		
Thyroid	193	C73
Other Endocrine including Thymus [§]	164.0, 194	C37, C74-C75
Lymphoma		
Hodgkin Lymphoma	201	C81
Non-Hodgkin Lymphoma	200, 202.0-202.2, 202.8-202.9	C82-C85, C96.3

Table A.8 - continued

SEER Cause of Death Recode 1969+ (9/17/2004) Definition

Cancer Causes of Death	ICD-9 (1979-1998) #	ICD-10 (1999+) #
Myeloma	203.0, 238.6	C90.0, C90.2
Leukemia		
Lymphocytic Leukemia		
Acute Lymphocytic Leukemia	204.0	C91.0
Chronic Lymphocytic Leukemia	204.1	C91.1
Other Lymphocytic Leukemia	202.4, 204.2, 204.8-204.9	C91.2-C91.4, C91.7, C91.9
Myeloid and Monocytic Leukemia		
Acute Myeloid Leukemia	205.0, 207.0, 207.2	C92.0, C92.4-C92.5, C94.0, C94.2
Acute Monocytic Leukemia	206.0	C93.0
Chronic Myeloid Leukemia	205.1	C92.1
Other Myeloid/Monocytic Leukemia	205.2-205.3, 205.8-205.9, 206.1-206.2, 206.8-206.9	C92.2-C92.3, C92.7, C92.9, C93.1-C93.2, C93.7, C93.9
Other Leukemia		
Other Acute Leukemia	208.0	C94.4, C94.5, C95.0
Aleukemic, Subleukemic and NOS	203.1, 207.1, 207.8, 208.1-208.2, 208.8-208.9	C90.1, C91.5, C94.1, C94.3, C94.7, C95.1, C95.2, C95.7, C95.9
Mesothelioma (ICD-10 only) *	N/A	C45*
Kaposi Sarcoma (ICD-10 only) *	N/A	C46*
Miscellaneous	159.1, 195-199, 202.3, 202.5-202.6, 203.8	C26.1, C45.7*, C45.9*, C76-C80, C88, C96.0-C96.2, C96.7, C96.9, C97

Non-Cancer Causes of Death	ICD-8 (1968-1978) #	ICD-9 (1979-1998) #	ICD-10 (1999+) #
In situ, benign or unknown behavior neoplasm	208-239	210-237, 238.0-238.5, 238.7-238.9, 239	D00-D48
Tuberculosis	010-018	010-018	A15-A19
Syphilis	090-097	090-097	A50-A53
Human Immunodeficiency Virus (1987+)	N/A	042-044	B20-B24
Septicemia	038	038	A40-A41
Other Infectious and Parasitic Diseases	001-009, 020-037, 039-043, 045-065, 067-076, 078-089, 098-130.1, 130.3-136	001-009, 020-037, 039- 041, 045-088, 098-139	A00-A09, A20-A33, A35- A39, A42-A49, A54-B19 B25-B99
Diabetes Mellitus	250	250	E10-E14
Alzheimers (ICD-9 and 10 only)	N/A	331.0	G30
Diseases of Heart	390-398, 402, 404, 410-429	390-398, 402, 404, 410-429	I00-I09, I11, I13, I20-I51
Hypertension without Heart Disease	400-401, 403	401, 403	I10, I12
Cerebrovascular Diseases	430-438	430-438	I60-I69
Atherosclerosis	440	440	I70
Aortic Aneurysm and Dissection	441	441	I71
Other Diseases of Arteries, Arterioles, Capillaries	442-448	442-448	I72-I78
Pneumonia and Influenza	470-474, 480-486	480-487	J10-J18
Chronic Obstructive Pulmonary Disease and Allied Cond	490-493, 519.3	490-496	J40-J47
Stomach and Duodenal Ulcers	531-533	531-533	K25-K28
Chronic Liver Disease and Cirrhosis	571	571	K70, K73-K74
Nephritis, Nephrotic Syndrome and Nephrosis	580-584, 593.0-593.3, 593.5	580-589	N00-N07, N17-N19, N25-N27
Complications of Pregnancy, Childbirth, Puerperium	630-678	630-676	A34, O00-O95, O98-O99
Congenital Anomalies	740-759	740-759	Q00-Q99
Certain Conditions Originating in Perinatal Period	760-779	760-779	P00-P96
Symptoms, Signs and Ill-Defined Conditions	780-796	780-799	R00-R99
Accidents and Adverse Effects	800-949*	800-949*	V01-X59, Y85-Y86
Suicide and Self-Inflicted Injury	950-959*	950-959*	U03, X60-X84, Y87.0
Homicide and Legal Intervention	960-978*	960-978*	U01-U02, X85-Y09, Y35, Y87.1, Y89.0

All ICD codes are tested for validity prior to generating this variable. Those deemed invalid are classified as Unknown/missing/invalid COD. Those deemed valid but not meeting the definition of any above grouping are classified as Other Cause of Death.

+ This variable can be created with or without Mesothelioma (C45) and Kaposi Sarcoma (C46) as separate groupings. The table above documents both possibilities. Note this is only possible with ICD-10.

\$ ICD-8 code 192.5 is coded to Other Endocrine including Thymus for age at death less than 20 years and Soft Tissue including Heart for age at death 20+ years.

* External causes of injury and poisoning.

Table A.9

Annual Populations Averaged Over 2002-2006

By State, Race/Ethnicity and Sex

State	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Total U.S.	293,235,578	144,248,796	148,986,783	237,909,572	117,668,886	120,240,685	38,564,817	18,386,813	20,178,004
CHSDA counties ^a	-	-	-	-	-	-	-	-	-
Non-CHSDA counties ^a	-	-	-	-	-	-	-	-	-
Alabama	4,518,769	2,187,305	2,331,463	3,252,008	1,595,519	1,656,489	1,198,304	558,016	640,289
Alaska	660,438	341,676	318,761	482,434	252,584	229,850	31,747	16,682	15,065
Arizona	5,777,265	2,888,587	2,888,679	5,102,583	2,554,105	2,548,478	229,456	118,905	110,551
Arkansas	2,749,495	1,345,353	1,404,142	2,255,947	1,111,071	1,144,877	441,012	208,744	232,268
California	35,660,573	17,800,135	17,860,438	27,966,682	14,056,442	13,910,240	2,589,453	1,271,597	1,317,856
Colorado	4,622,442	2,329,602	2,292,840	4,214,214	2,124,094	2,090,120	211,713	110,071	101,642
Connecticut	3,477,793	1,691,531	1,786,262	2,983,854	1,452,863	1,530,991	366,403	175,215	191,189
Delaware	828,330	402,005	426,325	629,951	307,736	322,215	172,274	81,470	90,803
Dist. of Columbia	580,757	274,057	306,700	217,020	109,518	107,502	341,804	154,602	187,201
Florida	17,352,663	8,502,746	8,849,917	14,113,825	6,941,493	7,172,332	2,755,363	1,328,968	1,426,396
Georgia	8,940,469	4,397,987	4,542,482	5,998,231	3,002,274	2,995,957	2,662,754	1,256,236	1,406,518
Hawaii	1,253,895	630,441	623,454	307,854	165,307	142,548	40,841	23,362	17,479
Idaho	1,397,533	702,560	694,972	1,344,348	675,854	668,494	12,479	6,860	5,619
Illinois	12,676,042	6,230,411	6,445,630	10,140,090	5,025,447	5,114,643	1,957,945	919,850	1,038,095
Indiana	6,222,850	3,060,672	3,162,178	5,548,756	2,734,113	2,814,642	570,131	274,214	295,918
Iowa	2,948,247	1,451,733	1,496,515	2,810,342	1,381,473	1,428,869	80,103	41,615	38,488
Kansas	2,732,503	1,352,669	1,379,834	2,462,680	1,217,398	1,245,283	176,524	88,897	87,627
Kentucky	4,143,684	2,027,082	2,116,602	3,767,550	1,843,253	1,924,297	324,336	158,341	165,995
Louisiana	4,405,491	2,136,305	2,269,185	2,868,996	1,408,349	1,460,647	1,441,971	680,330	761,641
Maine	1,306,730	637,236	669,494	1,273,354	620,420	652,934	12,975	7,289	5,686
Maryland	5,528,160	2,670,916	2,857,244	3,601,904	1,766,752	1,835,152	1,632,372	762,224	870,148
Massachusetts	6,433,500	3,111,326	3,322,174	5,648,572	2,728,805	2,919,768	457,285	221,131	236,154
Michigan	10,086,387	4,960,585	5,125,802	8,285,216	4,097,936	4,187,279	1,492,190	707,839	784,351
Minnesota	5,085,431	2,527,065	2,558,366	4,609,651	2,285,546	2,324,106	232,754	120,954	111,799
Mississippi	2,877,414	1,392,504	1,484,910	1,775,424	873,447	901,977	1,064,211	500,688	563,523

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

^a American Indian/Alaska Native statistics are reported based on the CHSDA (Contract Health Service Delivery Area) counties. All other race/ethnicities are not shown for these areas.

Table A.9 - continued

Annual Populations Averaged Over 2002-2006

By State, Race/Ethnicity and Sex

State	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	5,750,491	2,802,696	2,947,795	4,951,052	2,424,580	2,526,472	679,778	319,403	360,374
Montana	927,407	463,293	464,114	852,064	425,763	426,301	6,497	3,689	2,807
Nebraska	1,744,410	862,961	881,449	1,615,059	798,712	816,347	81,405	40,597	40,808
Nevada	2,327,463	1,183,966	1,143,498	1,949,964	1,000,425	949,539	188,822	95,005	93,817
New Hampshire	1,292,849	637,307	655,543	1,249,468	614,928	634,540	15,780	8,573	7,208
New Jersey	8,625,614	4,206,247	4,419,368	6,696,274	3,276,288	3,419,985	1,281,179	607,927	673,252
New Mexico	1,894,298	934,060	960,238	1,620,115	799,737	820,378	54,028	28,236	25,793
New York	19,228,641	9,302,680	9,925,961	14,342,461	6,993,344	7,349,117	3,455,359	1,601,438	1,853,921
North Carolina	8,565,470	4,189,442	4,376,028	6,401,476	3,166,493	3,234,983	1,892,204	889,632	1,002,572
North Dakota	635,446	318,335	317,112	589,377	295,031	294,347	6,947	4,021	2,926
Ohio	11,445,379	5,572,113	5,873,266	9,824,669	4,798,162	5,026,507	1,409,770	669,855	739,914
Oklahoma	3,523,093	1,736,668	1,786,425	2,847,589	1,403,789	1,443,800	295,208	146,172	149,036
Oregon	3,596,509	1,785,899	1,810,610	3,311,880	1,644,602	1,667,278	80,992	42,707	38,285
Pennsylvania	12,350,342	5,990,045	6,360,298	10,694,536	5,197,296	5,497,240	1,346,211	639,684	706,527
Rhode Island	1,068,148	515,580	552,567	958,872	461,794	497,078	71,209	35,358	35,851
South Carolina	4,207,597	2,046,283	2,161,315	2,896,751	1,429,768	1,466,983	1,242,504	583,178	659,326
South Dakota	774,304	385,532	388,771	692,176	344,267	347,909	9,167	5,387	3,780
Tennessee	5,926,299	2,888,871	3,037,429	4,818,951	2,365,103	2,453,848	1,009,499	475,465	534,034
Texas	22,503,849	11,207,303	11,296,546	18,862,570	9,433,437	9,429,133	2,695,890	1,302,875	1,393,015
Utah	2,445,104	1,230,608	1,214,496	2,308,506	1,161,472	1,147,034	31,362	17,305	14,057
Vermont	618,332	304,004	314,328	603,145	296,385	306,760	5,463	3,026	2,436
Virginia	7,462,817	3,657,835	3,804,982	5,562,077	2,748,825	2,813,252	1,518,034	724,281	793,753
Washington	6,203,295	3,089,420	3,113,876	5,380,322	2,683,745	2,696,577	258,874	137,104	121,770
West Virginia	1,804,451	881,588	922,863	1,723,388	840,359	883,029	64,608	32,980	31,628
Wisconsin	5,508,743	2,732,468	2,776,275	4,997,408	2,481,648	2,515,759	344,813	167,580	177,233
Wyoming	503,826	254,411	249,414	480,566	242,529	238,037	6,457	3,558	2,899

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

Table A.9 - continued

Annual Populations Averaged Over 2002-2006

By State, Race/Ethnicity and Sex

State	Asian/Pacific Islander			American Indian/Alaska Native			Hispanic ^a		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Total U.S.	13,642,923	6,637,156	7,005,767	3,118,267	1,555,941	1,562,326	41,230,246	21,282,115	19,948,131
CHSDA counties ^b	-	-	-	1,743,735	860,443	883,292	-	-	-
Non-CHSDA counties ^b	-	-	-	1,374,390	695,427	678,962	-	-	-
Alabama	43,163	21,019	22,144	25,293	12,752	12,542	101,326	56,601	44,726
Alaska	36,752	17,476	19,276	109,504	54,934	54,570	35,097	18,453	16,644
Arizona	150,098	71,511	78,586	295,128	144,065	151,064	1,611,718	835,638	776,080
Arkansas	30,174	14,480	15,694	22,362	11,059	11,304	120,872	66,754	54,118
California	4,618,422	2,227,070	2,391,352	486,016	245,026	240,990	12,378,604	6,350,762	6,027,842
Colorado	135,456	64,323	71,133	61,058	31,114	29,945	873,782	458,793	414,989
Connecticut	113,627	56,321	57,306	13,909	7,132	6,777	369,302	186,010	183,291
Delaware	22,510	11,008	11,502	3,595	1,791	1,804	47,865	25,588	22,277
Dist. of Columbia	19,375	8,694	10,681	2,559	1,243	1,316	48,212	25,253	22,959
Florida	401,989	189,851	212,138	81,486	42,434	39,052	3,304,571	1,665,934	1,638,636
Georgia	248,342	122,874	125,468	31,143	16,604	14,539	601,587	347,130	254,457
Hawaii	899,105	438,584	460,522	6,095	3,189	2,906	90,035	46,583	43,453
Idaho	18,644	8,772	9,872	22,061	11,074	10,987	124,781	67,105	57,677
Illinois	531,794	261,633	270,160	46,213	23,482	22,731	1,761,035	932,156	828,879
Indiana	83,560	41,745	41,815	20,403	10,600	9,803	269,801	147,034	122,768
Iowa	46,383	22,991	23,392	11,420	5,654	5,766	103,705	56,138	47,568
Kansas	62,334	30,769	31,565	30,965	15,605	15,360	220,030	117,570	102,460
Kentucky	41,713	20,309	21,404	10,085	5,180	4,905	78,806	45,219	33,587
Louisiana	65,934	33,241	32,692	28,590	14,385	14,205	125,225	64,549	60,676
Maine	12,100	5,478	6,622	8,301	4,049	4,252	13,180	6,618	6,561
Maryland	272,838	131,550	141,288	21,046	10,390	10,656	300,077	156,780	143,297
Massachusetts	305,700	150,526	155,174	21,943	10,864	11,079	488,477	242,878	245,600
Michigan	236,083	118,607	117,476	72,899	36,203	36,696	375,777	198,655	177,122
Minnesota	179,005	88,660	90,345	64,021	31,905	32,116	180,960	98,270	82,690
Mississippi	24,207	11,694	12,513	13,572	6,675	6,897	50,810	28,853	21,957

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

^a Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

^b American Indian/Alaska Native statistics are reported based on the CHSDA (Contract Health Service Delivery Area) counties. All other race/ethnicities are not shown for these areas.

Table A.9 - continued

Annual Populations Averaged Over 2002-2006

By State, Race/Ethnicity and Sex

State	Asian/Pacific Islander			American Indian/Alaska Native			Hispanic ^a		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	86,887	42,174	44,712	32,775	16,538	16,236	151,985	79,985	72,001
Montana	6,936	3,039	3,898	61,910	30,802	31,108	23,031	11,663	11,368
Nebraska	30,209	14,947	15,262	17,738	8,706	9,032	118,434	64,345	54,089
Nevada	152,057	70,214	81,843	36,619	18,321	18,298	530,919	281,780	249,139
New Hampshire	23,587	11,739	11,848	4,013	2,067	1,947	28,228	14,561	13,667
New Jersey	616,524	305,770	310,754	31,638	16,262	15,376	1,281,816	652,188	629,629
New Mexico	29,729	13,853	15,876	190,426	92,235	98,192	825,388	411,016	414,371
New York	1,307,452	647,009	660,443	123,368	60,889	62,480	3,057,886	1,510,072	1,547,814
North Carolina	160,814	78,529	82,285	110,975	54,788	56,187	516,035	298,032	218,004
North Dakota	5,156	2,580	2,575	33,966	16,702	17,264	10,295	5,487	4,809
Ohio	177,873	87,487	90,386	33,067	16,609	16,458	256,214	133,145	123,069
Oklahoma	64,591	31,748	32,844	315,705	154,959	160,746	224,654	120,964	103,689
Oregon	144,919	69,257	75,662	58,718	29,333	29,385	341,668	187,093	154,575
Pennsylvania	283,599	140,316	143,283	25,996	12,749	13,248	478,894	246,190	232,704
Rhode Island	30,962	14,979	15,983	7,105	3,449	3,656	109,652	54,513	55,139
South Carolina	51,250	24,607	26,643	17,093	8,729	8,364	133,083	76,735	56,348
South Dakota	6,284	3,055	3,229	66,676	32,823	33,853	15,536	8,324	7,211
Tennessee	78,886	38,376	40,510	18,964	9,927	9,037	170,985	98,356	72,629
Texas	776,009	384,753	391,255	169,380	86,237	83,142	7,760,549	3,971,397	3,789,153
Utah	70,317	34,294	36,022	34,920	17,537	17,383	255,852	136,975	118,877
Vermont	6,843	3,153	3,690	2,881	1,440	1,442	7,146	3,578	3,568
Virginia	354,980	170,707	184,274	27,726	14,023	13,703	432,294	230,432	201,862
Washington	448,535	210,956	237,578	115,565	57,614	57,950	533,681	284,205	249,476
West Virginia	12,480	6,222	6,258	3,976	2,027	1,949	15,915	8,209	7,705
Wisconsin	111,997	55,991	56,006	54,525	27,248	27,277	238,805	128,970	109,835
Wyoming	4,072	1,875	2,197	12,730	6,450	6,281	34,756	18,119	16,637

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

^a Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

Table A.10

Annual Populations Averaged Over 2002-2006

By SEER Registry, Race/Ethnicity and Sex

Area	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Atlanta & Rural GA	3,355,662	1,655,384	1,700,277	1,904,570	968,310	936,260	1,267,209	594,199	673,010
Metropolitan Atlanta	3,233,520	1,596,692	1,636,827	1,835,408	934,149	901,259	1,214,964	570,041	644,924
Rural Georgia	122,142	58,692	63,450	69,162	34,161	35,001	52,245	24,158	28,086
California	35,660,573	17,800,135	17,860,438	27,966,682	14,056,442	13,910,240	2,589,453	1,271,597	1,317,856
Greater Bay Area	6,562,865	3,288,023	3,274,842	4,496,467	2,280,241	2,216,226	490,779	239,103	251,676
San Francisco-Oakland, SMSA	4,153,771	2,059,380	2,094,392	2,751,994	1,387,945	1,364,048	415,174	197,843	217,331
San Jose-Monterey	2,409,094	1,228,643	1,180,450	1,744,474	892,296	852,177	75,604	41,260	34,345
Los Angeles	9,848,007	4,873,780	4,974,227	7,396,432	3,710,698	3,685,734	1,001,719	468,240	533,479
Greater California	19,249,701	9,638,332	9,611,369	16,073,782	8,065,502	8,008,280	1,096,955	564,255	532,701
Connecticut	3,477,793	1,691,531	1,786,262	2,983,854	1,452,863	1,530,991	366,403	175,215	191,189
Metropolitan Detroit	4,062,012	1,975,754	2,086,257	2,860,416	1,413,612	1,446,804	1,046,012	483,784	562,228
Hawaii	1,253,895	630,441	623,454	307,854	165,307	142,548	40,841	23,362	17,479
Iowa	2,948,247	1,451,733	1,496,515	2,810,342	1,381,473	1,428,869	80,103	41,615	38,488
Kentucky	4,143,684	2,027,082	2,116,602	3,767,550	1,843,253	1,924,297	324,336	158,341	165,995
Louisiana	4,405,491	2,136,305	2,269,185	2,868,996	1,408,349	1,460,647	1,441,971	680,330	761,641
New Jersey	8,625,614	4,206,247	4,419,368	6,696,274	3,276,288	3,419,985	1,281,179	607,927	673,252
New Mexico	1,894,298	934,060	960,238	1,620,115	799,737	820,378	54,028	28,236	25,793
Seattle-Puget Sound	4,246,959	2,115,928	2,131,030	3,551,774	1,774,022	1,777,752	225,019	118,448	106,572
Utah	2,445,104	1,230,608	1,214,496	2,308,506	1,161,472	1,147,034	31,362	17,305	14,057
9 SEER areas ^a	27,715,599	13,686,128	14,029,471	21,030,261	10,470,580	10,559,682	3,473,907	1,655,848	1,818,059
11 SEER areas ^a	39,972,699	19,788,552	20,184,148	30,171,167	15,073,574	15,097,593	4,551,230	2,165,347	2,385,883
13 SEER areas ^a	40,755,279	20,188,920	20,566,359	30,722,764	15,360,319	15,362,445	4,635,222	2,206,187	2,429,035
17 SEER areas ^a	77,179,769	38,196,886	38,982,883	60,129,366	29,953,712	30,175,654	8,779,664	4,217,040	4,562,624

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

^a The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.
The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.
The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.
The SEER 17 areas comprise the SEER 13 areas plus Greater California(California excluding SF/SJM/LA), Kentucky, Louisiana and New Jersey

Table A.10 - continued

Annual Populations Averaged Over 2002-2006

By SEER Registry, Race/Ethnicity and Sex

Area	Asian/Pacific Islander			Hispanic ^a		
	Both Sexes	Males	Females	Both Sexes	Males	Females
Atlanta & Rural GA	171,097	86,012	85,085	325,533	189,214	136,319
Metropolitan Atlanta	170,600	85,754	84,847	323,050	187,748	135,301
Rural Georgia	497	258	239	2,483	1,466	1,018
California	4,618,422	2,227,070	2,391,352	12,378,604	6,350,762	6,027,842
Greater Bay Area	1,516,936	738,468	778,467	1,519,372	796,720	722,652
San Francisco-Oakland, SMSA	953,825	456,754	497,071	797,011	416,205	380,806
San Jose-Monterey	563,111	281,715	281,396	722,362	380,515	341,846
Los Angeles	1,336,305	636,950	699,355	4,581,645	2,314,562	2,267,083
Greater California	1,765,181	851,652	913,530	6,277,587	3,239,480	3,038,107
Connecticut	113,627	56,321	57,306	369,302	186,010	183,291
Metropolitan Detroit	137,529	69,555	67,975	140,269	73,991	66,278
Hawaii	899,105	438,584	460,522	90,035	46,583	43,453
Iowa	46,383	22,991	23,392	103,705	56,138	47,568
Kentucky	41,713	20,309	21,404	78,806	45,219	33,587
Louisiana	65,934	33,241	32,692	125,225	64,549	60,676
New Jersey	616,524	305,770	310,754	1,281,816	652,188	629,629
New Mexico	29,729	13,853	15,876	825,388	411,016	414,371
Seattle-Puget Sound	398,681	187,742	210,939	266,961	143,160	123,801
Utah	70,317	34,294	36,022	255,852	136,975	118,877
9 SEER areas ^b	2,819,797	1,365,847	1,453,950	3,171,573	1,657,827	1,513,746
11 SEER areas ^b	4,719,212	2,284,511	2,434,701	8,475,580	4,352,905	4,122,676
13 SEER areas ^b	4,756,461	2,302,245	2,454,215	8,513,160	4,372,824	4,140,337
17 SEER areas ^b	7,245,812	3,513,217	3,732,595	16,276,594	8,374,260	7,902,335

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

^a Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta. The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles. The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia. The SEER 17 areas comprise the SEER 13 areas plus Greater California(California excluding SF/SJM/LA), Kentucky, Louisiana and New Jersey

Table A.10 - continued

Annual Populations Averaged Over 2002-2006

American Indian/Alaska Native By SEER Registry, CHSDA County Status and Sex

Area	American Indian/Alaska Native Total U.S.			American Indian/Alaska Native CHSDA			American Indian/Alaska Native Non-CHSDA		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Atlanta & Rural GA	12,785	6,864	5,922	0	0	0	12,785	6,864	5,922
Metropolitan Atlanta	12,547	6,749	5,798	0	0	0	12,547	6,749	5,798
Rural Georgia	238	115	124	0	0	0	238	115	124
Alaska	109,504	54,934	54,570	109,504	54,934	54,570	0	0	0
California	486,016	245,026	240,990	206,916	103,195	103,721	279,101	141,831	137,269
Greater Bay Area	58,683	30,211	28,473	0	0	0	58,683	30,211	28,473
San Francisco- Oakland, SMSA	32,779	16,838	15,941	0	0	0	32,779	16,838	15,941
San Jose-Monterey	25,905	13,373	12,532	0	0	0	25,905	13,373	12,532
Los Angeles	113,551	57,893	55,658	0	0	0	113,551	57,893	55,658
Greater California	313,782	156,923	156,859	206,916	103,195	103,721	106,867	53,728	53,139
Connecticut	13,909	7,132	6,777	13,909	7,132	6,777	0	0	0
Metropolitan Detroit	18,054	8,804	9,251	0	0	0	18,054	8,804	9,251
Hawaii	6,095	3,189	2,906	0	0	0	6,095	3,189	2,906
Iowa	11,420	5,654	5,766	3,682	1,783	1,899	7,738	3,871	3,867
Kentucky	10,085	5,180	4,905	0	0	0	10,085	5,180	4,905
Louisiana	28,590	14,385	14,205	3,095	1,534	1,561	25,495	12,851	12,644
New Jersey	31,638	16,262	15,376	0	0	0	31,638	16,262	15,376
New Mexico	190,426	92,235	98,192	181,269	87,572	93,697	9,157	4,662	4,495
Seattle-Puget Sound	71,484	35,717	35,767	71,332	35,633	35,699	152	84	69
Utah	34,920	17,537	17,383	17,065	8,358	8,707	17,855	9,179	8,676
9 SEER areas ^a	391,634	193,854	197,780	287,257	140,479	146,778	104,377	53,375	51,002
11 SEER areas ^a	531,089	265,119	265,970	287,257	140,479	146,778	243,832	124,640	119,192
13 SEER areas ^a	640,832	320,168	320,664	396,761	195,413	201,348	244,071	124,755	119,316
17 SEER areas ^a	1,024,927	512,917	512,009	606,772	300,142	306,630	418,154	212,775	205,379

Source: NCI estimates based on Census Bureau population data. Male and female populations may not sum to both sexes due to rounding.

^a The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.
The SEER 11 areas comprise the SEER 9 areas plus San Jose-Monterey and Los Angeles.
The SEER 13 areas comprise the SEER 11 areas plus the Alaska Native Registry and Rural Georgia.
The SEER 17 areas comprise the SEER 13 areas plus Greater California(California excluding SF/SJM/LA), Kentucky, Louisiana and New Jersey

Table A.11

Standard Populations, By Age

Age	2000 United States Standard Population (Census P25-1130)
All Ages	274,633,642
Age <1	3,794,901
Ages 1-4	15,191,619
Ages 5-9	19,919,840
Ages 10-14	20,056,779
Ages 15-19	19,819,518
Ages 20-24	18,257,225
Ages 25-29	17,722,067
Ages 30-34	19,511,370
Ages 35-39	22,179,956
Ages 40-44	22,479,229
Ages 45-49	19,805,793
Ages 50-54	17,224,359
Ages 55-59	13,307,234
Ages 60-64	10,654,272
Ages 65-69	9,409,940
Ages 70-74	8,725,574
Ages 75-79	7,414,559
Ages 80-84	4,900,234
Ages 85+	4,259,173

Age	IARC World Standard Million Population
All Ages	1,000,000
Age <1	24,000
Ages 1-4	96,000
Ages 5-9	100,000
Ages 10-14	90,000
Ages 15-19	90,000
Ages 20-24	80,000
Ages 25-29	80,000
Ages 30-34	60,000
Ages 35-39	60,000
Ages 40-44	60,000
Ages 45-49	60,000
Ages 50-54	50,000
Ages 55-59	40,000
Ages 60-64	40,000
Ages 65-69	30,000
Ages 70-74	20,000
Ages 75-79	10,000
Ages 80-84	5,000
Ages 85+	5,000

Source: U.S. Bureau of the Census, Census of Population 2000.

Muir C, Waterhouse J, Mack T, Powell J, Whelan S. Cancer Incidence In Five Continents, Volume V, pg. 792.

Table A.12
All Cancer Sites (Invasive)

SEER Follow-Up Rates^a for Cases Diagnosed 1975-2005
By Registry, Sex, and Age

	Males				Females			
	All Ages	0-19	20-64	65+	All Ages	0-19	20-64	65+
<u>Followed Into 2005</u>								
Registry								
Standard 9 registries	99.20	95.42	98.71	99.65	98.40	94.03	97.39	99.45
San Francisco-Oakland	98.70	94.27	97.86	99.47	97.50	92.62	95.75	99.25
Connecticut	98.24	85.95	97.21	99.17	96.48	82.87	94.18	98.64
Metropolitan Detroit	99.41	96.06	99.08	99.73	98.68	95.86	97.81	99.57
Hawaii	99.23	97.80	98.73	99.60	98.37	96.50	97.56	99.38
Iowa	99.91	98.67	99.80	99.99	99.82	98.36	99.63	99.97
New Mexico	99.62	96.43	99.53	99.76	99.39	95.59	99.25	99.65
Seattle-Puget Sound	99.56	98.42	99.30	99.77	99.10	95.34	98.61	99.68
Utah	99.46	98.47	99.03	99.81	98.84	98.09	98.11	99.70
Metropolitan Atlanta	99.29	95.79	98.98	99.76	99.00	94.74	98.57	99.73
<u>Followed Into 2006</u>								
Registry								
Standard 9 registries	98.89	93.88	98.20	99.50	97.77	92.57	96.38	99.20
San Francisco-Oakland	98.44	93.10	97.52	99.28	97.10	91.51	95.24	98.96
Connecticut	97.38	81.01	95.75	98.79	94.83	78.89	91.51	97.88
Metropolitan Detroit	99.14	94.72	98.63	99.62	98.13	94.12	96.86	99.42
Hawaii	98.78	95.24	97.90	99.47	97.34	93.16	95.87	99.20
Iowa	99.83	98.04	99.63	99.97	99.50	97.75	98.94	99.92
New Mexico	99.48	94.53	99.35	99.69	99.20	93.92	99.00	99.57
Seattle-Puget Sound	99.43	98.42	99.07	99.72	98.80	95.34	98.08	99.59
Utah	99.06	97.59	98.33	99.63	97.94	97.22	96.57	99.52
Metropolitan Atlanta	99.14	94.83	98.78	99.69	98.81	94.00	98.30	99.65

^a Represents the percentage of first primaries diagnosed 1975-2005 and followed into the specified year.