

Table A-1

NUMBER OF INCIDENCE CASES, 2001-2005By 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	38,053	25,852	12,201	31,415	21,482	9,933	3,575	2,474	1,101
Esophagus	16,293	12,344	3,949	13,661	10,448	3,213	1,787	1,273	514
Stomach	28,511	17,326	11,185	20,684	12,817	7,867	3,523	2,020	1,503
Colon & Rectum	180,196	91,442	88,754	148,263	75,602	72,661	17,926	8,579	9,347
Colon	129,847	62,933	66,914	106,987	52,079	54,908	13,576	6,306	7,270
Rectum	50,349	28,509	21,840	41,276	23,523	17,753	4,350	2,273	2,077
Liver & IBD ^a	23,246	16,237	7,009	15,986	11,135	4,851	2,579	1,870	709
Pancreas	40,780	19,986	20,794	33,580	16,628	16,952	4,357	1,968	2,389
Larynx	12,943	10,353	2,590	10,596	8,432	2,164	1,826	1,468	358
Lung & Bronchus	225,358	121,494	103,864	190,431	101,123	89,308	22,329	12,979	9,350
Melanoma of the skin	70,840	40,286	30,554	67,102	38,353	28,749	304	139	165
Breast	250,090	1,815	248,275	209,377	1,516	207,861	22,125	206	21,919
Cervix uteri	16,257	-	16,257	12,399	-	12,399	2,130	-	2,130
Corpus & Uterus, NOS	46,054	-	46,054	38,926	-	38,926	3,595	-	3,595
Ovary ^b	26,407	-	26,407	22,591	-	22,591	1,839	-	1,839
Prostate	255,212	255,212	-	204,256	204,256	-	30,834	30,834	-
Testis	10,369	10,369	-	9,555	9,555	-	284	284	-
Urinary bladder	74,680	55,697	18,983	67,602	50,756	16,846	3,575	2,307	1,268
Kidney & Renal pelvis	47,760	29,670	18,090	40,441	25,170	15,271	4,692	2,891	1,801
Brain & ONS ^a	23,765	13,106	10,659	20,919	11,610	9,309	1,464	755	709
Thyroid	33,924	8,172	25,752	28,210	7,010	21,200	2,023	411	1,612
Hodgkin lymphoma	10,373	5,627	4,746	8,750	4,754	3,996	1,030	535	495
Non-Hodgkin lymphoma	70,214	37,648	32,566	60,031	32,143	27,888	4,980	2,736	2,244
Myeloma	20,008	10,829	9,179	15,331	8,455	6,876	3,399	1,726	1,673
Leukemia	44,469	25,489	18,980	37,960	21,863	16,097	3,228	1,770	1,458
Acute lymphocytic	6,020	3,427	2,593	5,036	2,893	2,143	400	212	188
Chronic lymphocytic	14,320	8,536	5,784	12,653	7,560	5,093	861	506	355
Acute myeloid	12,884	7,063	5,821	10,845	5,986	4,859	995	517	478
Chronic myeloid	5,400	3,105	2,295	4,460	2,555	1,905	478	275	203
All others	5,845	3,358	2,487	4,966	2,869	2,097	494	260	234
Kaposi Sarcoma	2,477	2,250	227	1,740	1,566	174	538	501	37
Mesothelioma	3,840	2,987	853	3,539	2,761	778	174	134	40
All Sites	1,679,468	864,569	814,899	1,403,083	719,567	683,516	154,039	82,386	71,653

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, 2001-2005By 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	2,474	1,536	938	151	98	53	2,601	1,798	803
Esophagus	694	510	184	74	56	18	1,076	855	221
Stomach	3,948	2,269	1,679	199	125	74	4,486	2,516	1,970
Colon & Rectum	11,917	6,167	5,750	780	379	401	14,401	7,753	6,648
Colon	7,932	3,877	4,055	546	241	305	9,721	4,966	4,755
Rectum	3,985	2,290	1,695	234	138	96	4,680	2,787	1,893
Liver & IBD ^c	4,324	2,987	1,337	192	131	61	3,923	2,775	1,148
Pancreas	2,529	1,233	1,296	157	82	75	3,657	1,696	1,961
Larynx	399	350	49	34	25	-	966	835	131
Lung & Bronchus	11,117	6,602	4,515	772	403	369	11,319	6,391	4,928
Melanoma of the skin	455	217	238	64	35	29	2,204	908	1,296
Breast	15,996	73	15,923	848	-	845	21,661	99	21,562
Cervix uteri	1,441	-	1,441	85	-	85	3,751	-	3,751
Corpus & Uterus, NOS	2,955	-	2,955	173	-	173	4,172	-	4,172
Ovary ^d	1,723	-	1,723	118	-	118	2,763	-	2,763
Prostate	11,521	11,521	-	555	555	-	20,966	20,966	-
Testis	323	323	-	67	67	-	1,846	1,846	-
Urinary bladder	2,561	1,922	639	121	92	29	3,930	2,879	1,051
Kidney & Renal pelvis	1,995	1,232	763	308	175	133	5,332	3,212	2,120
Brain & ONS ^c	1,141	601	540	82	43	39	3,018	1,659	1,359
Thyroid	3,137	636	2,501	148	30	118	4,669	870	3,799
Hodgkin lymphoma	441	239	202	28	19	-	1,482	854	628
Non-Hodgkin lymphoma	3,967	2,119	1,848	213	117	96	7,001	3,813	3,188
Myeloma	951	480	471	90	41	49	2,062	1,080	982
Leukemia	2,270	1,277	993	172	88	84	5,205	2,936	2,269
Acute lymphocytic	487	270	217	51	31	20	1,969	1,121	848
Chronic lymphocytic	244	147	97	31	17	-	655	383	272
Acute myeloid	934	504	430	46	19	27	1,470	794	676
Chronic myeloid	313	185	128	26	-	-	588	343	245
All others	292	171	121	18	-	-	523	295	228
Kaposi Sarcoma	73	67	-	-	-	-	572	530	42
Mesothelioma	99	75	24	-	-	-	370	268	102
All Sites	94,485	45,329	49,156	5,920	2,801	3,119	144,929	71,775	73,154

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).

⁻ Count not shown due to fewer than 16 cases during the time period.^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 and Kentucky.^c IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.^d Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

Table A-2

STANDARD ERRORS OF INCIDENCE RATES, 2001-2005By 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	0.19	0.36	0.18
Esophagus	0.04	0.07	0.03	0.04	0.08	0.03	0.14	0.29	0.13
Stomach	0.05	0.09	0.05	0.05	0.09	0.05	0.21	0.41	0.23
Colon & Rectum	0.12	0.20	0.15	0.13	0.22	0.16	0.47	0.81	0.57
Colon	0.10	0.17	0.13	0.11	0.18	0.14	0.41	0.72	0.51
Rectum	0.06	0.11	0.07	0.07	0.12	0.08	0.22	0.39	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	0.38	0.30
Larynx	0.03	0.06	0.03	0.03	0.07	0.03	0.14	0.30	0.11
Lung & Bronchus	0.13	0.23	0.16	0.15	0.25	0.18	0.52	0.99	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	0.14	0.03	0.25	0.15	0.03	0.29	0.47	0.12	0.80
Cervix uteri	0.03	-	0.07	0.04	-	0.07	0.13	-	0.24
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	0.33	-	0.15	0.35	-	0.60	1.48	-
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	0.45	0.22
Kidney & Renal pelvis	0.06	0.11	0.07	0.07	0.12	0.08	0.22	0.42	0.24
Brain & ONS ^a	0.04	0.07	0.05	0.05	0.08	0.06	0.11	0.19	0.14
Thyroid	0.05	0.05	0.08	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	0.38	0.26
Myeloma	0.04	0.07	0.05	0.04	0.07	0.05	0.20	0.37	0.24
Leukemia	0.06	0.10	0.07	0.07	0.11	0.08	0.18	0.34	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	0.12
Acute myeloid	0.03	0.05	0.04	0.04	0.06	0.04	0.10	0.18	0.12
Chronic myeloid	0.02	0.04	0.02	0.02	0.04	0.03	0.07	0.13	0.08
All others	0.02	0.04	0.02	0.02	0.04	0.03	0.07	0.13	0.09
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	0.60	0.46	0.40	0.66	0.52	1.31	2.40	1.51

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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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	0.28	0.18	0.60	1.02	0.69	0.13	0.25	0.13
Esophagus	0.09	0.18	0.09	0.53	1.01	0.50	0.10	0.20	0.08
Stomach	0.23	0.40	0.26	0.87	1.63	0.93	0.19	0.34	0.22
Colon & Rectum	0.38	0.63	0.47	1.64	2.54	2.14	0.34	0.59	0.42
Colon	0.32	0.51	0.40	1.41	2.10	1.89	0.29	0.48	0.36
Rectum	0.21	0.36	0.25	0.84	1.42	0.99	0.19	0.33	0.21
Liver & IBD ^c	0.22	0.41	0.23	0.76	1.37	0.83	0.17	0.31	0.18
Pancreas	0.18	0.29	0.23	0.78	1.29	0.98	0.18	0.28	0.24
Larynx	0.07	0.15	0.04	0.31	0.57	-	0.09	0.19	0.06
Lung & Bronchus	0.38	0.68	0.42	1.72	2.87	2.13	0.32	0.59	0.37
Melanoma of the skin	0.07	0.11	0.09	0.42	0.73	0.50	0.11	0.18	0.14
Breast	0.39	0.06	0.72	1.46	-	2.67	0.35	0.07	0.64
Cervix uteri	0.11	-	0.21	0.42	-	0.78	0.12	-	0.23
Corpus & Uterus, NOS	0.17	-	0.31	0.65	-	1.20	0.16	-	0.29
Ovary ^d	0.13	-	0.24	0.61	-	1.09	0.13	-	0.23
Prostate	0.38	0.89	-	1.43	3.31	-	0.43	1.00	-
Testis	0.05	0.10	-	0.27	0.54	-	0.05	0.09	-
Urinary bladder	0.19	0.38	0.16	0.68	1.39	0.59	0.19	0.41	0.17
Kidney & Renal pelvis	0.15	0.27	0.17	0.95	1.58	1.15	0.19	0.34	0.22
Brain & ONS ^c	0.10	0.17	0.13	0.39	0.68	0.47	0.11	0.18	0.14
Thyroid	0.16	0.17	0.27	0.51	0.58	0.83	0.13	0.14	0.21
Hodgkin lymphoma	0.06	0.09	0.08	0.21	0.35	-	0.07	0.12	0.08
Non-Hodgkin lymphoma	0.21	0.36	0.26	0.80	1.35	0.99	0.22	0.36	0.27
Myeloma	0.11	0.18	0.13	0.54	0.78	0.75	0.13	0.22	0.16
Leukemia	0.16	0.26	0.19	0.63	0.94	0.81	0.15	0.27	0.19
Acute lymphocytic	0.07	0.10	0.09	0.22	0.37	0.27	0.06	0.08	0.08
Chronic lymphocytic	0.06	0.10	0.06	0.32	0.49	-	0.08	0.15	0.09
Acute myeloid	0.10	0.17	0.12	0.35	0.49	0.49	0.09	0.15	0.11
Chronic myeloid	0.06	0.10	0.07	0.25	-	-	0.06	0.10	0.07
All others	0.06	0.10	0.07	0.24	-	-	0.06	0.10	0.07
Kaposi Sarcoma	0.03	0.05	-	-	-	-	0.05	0.10	0.04
Mesothelioma	0.03	0.07	0.03	-	-	-	0.06	0.12	0.05
All Sites	1.04	1.71	1.31	4.30	6.90	5.53	1.01	1.73	1.23

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).

⁻ Statistic could not be calculated due to fewer than 16 cases during the time period.^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 and Kentucky.^c IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.^d Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

Table A-3

NUMBER OF DEATHS, 2001-2005

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	38,814	26,221	12,593	32,061	21,237	10,824	5,444	4,099	1,345
Esophagus	64,611	50,008	14,603	55,625	43,526	12,099	7,863	5,632	2,231
Stomach	60,000	35,089	24,911	45,880	26,977	18,903	10,246	5,920	4,326
Colon & Rectum	275,779	138,352	137,427	235,122	118,498	116,624	34,146	16,442	17,704
Colon	232,840	114,412	118,428	198,005	97,764	100,241	29,566	13,951	15,615
Rectum	42,939	23,940	18,999	37,117	20,734	16,383	4,580	2,491	2,089
Liver & IBD ^a	73,500	47,356	26,144	58,453	37,349	21,104	9,412	6,279	3,133
Pancreas	155,372	76,325	79,047	133,536	66,162	67,374	17,960	8,307	9,653
Larynx	18,774	14,876	3,898	15,156	11,935	3,221	3,363	2,731	632
Lung & Bronchus	788,812	450,104	338,708	692,181	391,226	300,955	81,692	50,038	31,654
Melanoma of the skin	39,170	24,859	14,311	38,350	24,465	13,885	570	253	317
Breast	208,497	1,900	206,597	175,583	1,581	174,002	28,408	292	28,116
Cervix uteri	19,737	-	19,737	14,937	-	14,937	3,982	-	3,982
Corpus & Uterus, NOS	34,621	-	34,621	28,269	-	28,269	5,566	-	5,566
Ovary	73,256	-	73,256	65,601	-	65,601	5,985	-	5,985
Prostate	148,626	148,626	-	121,539	121,539	-	24,942	24,942	-
Testis	1,788	1,788	-	1,606	1,606	-	131	131	-
Urinary bladder	63,618	43,607	20,011	58,157	40,582	17,575	4,605	2,454	2,151
Kidney & Renal pelvis	61,359	38,201	23,158	54,585	34,065	20,520	5,544	3,363	2,181
Brain & ONS ^a	64,321	35,653	28,668	59,153	32,818	26,335	3,891	2,087	1,804
Thyroid	6,904	2,864	4,040	6,029	2,591	3,438	600	185	415
Hodgkin lymphoma	6,570	3,615	2,955	5,768	3,166	2,602	667	379	288
Non-Hodgkin lymphoma	107,501	56,834	50,667	97,935	51,787	46,148	7,147	3,757	3,390
Myeloma	53,772	27,914	25,858	43,879	23,191	20,688	8,893	4,226	4,667
Leukemia	107,909	60,380	47,529	96,681	54,388	42,293	8,949	4,706	4,243
Acute lymphocytic	7,125	4,032	3,093	6,199	3,504	2,695	625	361	264
Chronic lymphocytic	22,038	12,851	9,187	20,113	11,741	8,372	1,774	1,014	760
Acute myeloid	40,270	22,277	17,993	36,199	20,194	16,005	3,061	1,528	1,533
Chronic myeloid	6,480	3,552	2,928	5,551	3,024	2,527	755	421	334
All others	31,996	17,668	14,328	28,619	15,925	12,694	2,734	1,382	1,352
All Sites	2,781,097	1,441,054	1,340,043	2,403,924	1,244,972	1,158,952	313,098	162,908	150,190

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, 2001-2005By 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	1,116	746	370	128	91	37	1,555	1,141	414
Esophagus	848	640	208	199	155	44	2,149	1,702	447
Stomach	3,457	1,948	1,509	346	202	144	6,244	3,566	2,678
Colon & Rectum	5,408	2,811	2,597	814	431	383	12,006	6,497	5,509
Colon	4,393	2,241	2,152	652	333	319	10,047	5,298	4,749
Rectum	1,015	570	445	162	98	64	1,959	1,199	760
Liver & IBD ^c	5,065	3,376	1,689	419	245	174	7,482	4,905	2,577
Pancreas	3,300	1,573	1,727	382	190	192	7,483	3,704	3,779
Larynx	168	143	25	58	47	-	860	768	92
Lung & Bronchus	11,931	7,208	4,723	1,988	1,070	918	20,637	13,297	7,340
Melanoma of the skin	178	96	82	58	38	20	753	429	324
Breast	3,747	24	3,723	506	-	505	9,233	58	9,175
Cervix uteri	656	-	656	122	-	122	2,065	-	2,065
Corpus & Uterus, NOS	675	-	675	86	-	86	1,688	-	1,688
Ovary	1,378	-	1,378	218	-	218	3,287	-	3,287
Prostate	1,656	1,656	-	332	332	-	6,178	6,178	-
Testis	39	39	-	-	-	-	247	247	-
Urinary bladder	719	489	230	84	52	32	1,941	1,306	635
Kidney & Renal pelvis	788	491	297	336	209	127	3,531	2,260	1,271
Brain & ONS ^c	1,070	621	449	130	85	45	3,366	1,852	1,514
Thyroid	248	78	170	21	-	-	534	221	313
Hodgkin lymphoma	115	60	55	-	-	-	506	303	203
Non-Hodgkin lymphoma	2,054	1,101	953	272	138	134	5,298	2,886	2,412
Myeloma	742	370	372	195	96	99	2,708	1,404	1,304
Leukemia	1,901	1,081	820	270	148	122	5,780	3,304	2,476
Acute lymphocytic	229	121	108	52	34	18	1,288	747	541
Chronic lymphocytic	107	72	35	27	16	-	422	251	171
Acute myeloid	875	488	387	98	45	53	2,043	1,140	903
Chronic myeloid	145	87	58	21	-	-	410	243	167
All others	545	313	232	72	38	34	1,617	923	694
All Sites	52,734	27,360	25,374	8,001	4,043	3,958	119,967	63,464	56,503

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

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

^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 Minnesota, New Hampshire and North Dakota.

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

Table A-4

STANDARD ERRORS OF DEATH RATES, 2001-2005By 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	0.03	0.01	0.01	0.03	0.01	0.05	0.11	0.04
Esophagus	0.02	0.04	0.01	0.02	0.04	0.02	0.07	0.14	0.06
Stomach	0.02	0.03	0.02	0.02	0.03	0.02	0.08	0.16	0.08
Colon & Rectum	0.04	0.06	0.04	0.04	0.06	0.05	0.14	0.26	0.17
Colon	0.03	0.06	0.04	0.03	0.06	0.04	0.13	0.24	0.16
Rectum	0.01	0.02	0.02	0.02	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	0.18	0.13
Larynx	0.01	0.02	0.01	0.01	0.02	0.01	0.04	0.10	0.03
Lung & Bronchus	0.06	0.11	0.07	0.07	0.11	0.08	0.22	0.43	0.23
Melanoma of the skin	0.01	0.03	0.01	0.02	0.03	0.02	0.02	0.03	0.02
Breast	0.03	0.01	0.06	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	0.39	-
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	0.06	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	0.02	0.04	0.08	0.05
All Sites	0.11	0.20	0.14	0.12	0.21	0.15	0.43	0.82	0.49

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, 2001-2005By 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	0.13	0.07	0.22	0.43	0.23	0.04	0.08	0.04
Esophagus	0.06	0.13	0.06	0.29	0.61	0.25	0.05	0.11	0.04
Stomach	0.13	0.24	0.15	0.40	0.76	0.44	0.09	0.16	0.10
Colon & Rectum	0.17	0.29	0.21	0.62	1.07	0.75	0.13	0.22	0.15
Colon	0.15	0.26	0.19	0.56	0.96	0.69	0.12	0.20	0.14
Rectum	0.07	0.12	0.08	0.26	0.47	0.29	0.05	0.09	0.05
Liver & IBD ^c	0.15	0.28	0.16	0.43	0.73	0.51	0.09	0.17	0.10
Pancreas	0.13	0.21	0.17	0.41	0.68	0.53	0.10	0.16	0.13
Larynx	0.03	0.07	0.02	0.16	0.34	-	0.03	0.07	0.02
Lung & Bronchus	0.25	0.46	0.27	0.95	1.64	1.14	0.17	0.32	0.17
Melanoma of the skin	0.03	0.05	0.03	0.15	0.27	0.17	0.03	0.05	0.03
Breast	0.12	0.03	0.21	0.45	-	0.79	0.10	0.02	0.17
Cervix uteri	0.05	-	0.09	0.19	-	0.34	0.04	-	0.07
Corpus & Uterus, NOS	0.05	-	0.09	0.20	-	0.34	0.05	-	0.08
Ovary	0.08	-	0.14	0.30	-	0.52	0.06	-	0.11
Prostate	0.11	0.28	-	0.46	1.21	-	0.10	0.27	-
Testis	0.01	0.02	-	-	-	-	0.01	0.02	-
Urinary bladder	0.07	0.14	0.07	0.21	0.44	0.21	0.06	0.12	0.05
Kidney & Renal pelvis	0.06	0.11	0.07	0.37	0.69	0.40	0.06	0.12	0.07
Brain & ONS ^c	0.06	0.11	0.07	0.19	0.34	0.22	0.05	0.09	0.07
Thyroid	0.04	0.05	0.05	0.10	-	-	0.03	0.04	0.03
Hodgkin lymphoma	0.02	0.04	0.03	-	-	-	0.02	0.04	0.02
Non-Hodgkin lymphoma	0.10	0.18	0.13	0.34	0.54	0.43	0.08	0.14	0.10
Myeloma	0.06	0.10	0.08	0.29	0.50	0.37	0.06	0.10	0.07
Leukemia	0.09	0.16	0.11	0.32	0.53	0.39	0.07	0.13	0.09
Acute lymphocytic	0.03	0.04	0.03	0.10	0.16	0.12	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	0.20	0.30	0.25	0.04	0.08	0.05
Chronic myeloid	0.02	0.04	0.03	0.09	-	-	0.02	0.03	0.02
All others	0.05	0.10	0.06	0.17	0.29	0.21	0.04	0.08	0.05
All Sites	0.51	0.89	0.62	1.89	3.24	2.32	0.39	0.69	0.46

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

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

^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 Minnesota, New Hampshire and North Dakota.

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

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	9161, 9350-9351, 9360-9362, 9390, 9480, 9505, 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, C75.2, 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, C75.2, 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 8451 8462	C56.0, C62.0-C62.9 C48.1 C76.3
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 8473 8442, 9010,	C14.9, C21.9, C22.2-C22.9, C27.0-C29.9, C35.0-C43.9, C45.0-C49.9, C56.1-C56.9, 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 C18.1 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
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 2001-2005

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.	290,858,700	143,010,011	147,848,689	236,323,415	116,821,466	119,501,949	38,133,239	18,173,071	19,960,168
CHSDA counties ^a	-	-	-	-	-	-	-	-	-
Non-CHSDA counties ^a	-	-	-	-	-	-	-	-	-
Alabama	4,500,118	2,176,824	2,323,294	3,243,100	1,589,970	1,653,130	1,191,143	554,373	636,770
Alaska	648,124	334,117	314,007	473,724	246,881	226,843	29,291	15,289	14,002
Arizona	5,605,326	2,801,991	2,803,336	4,961,570	2,482,513	2,479,058	213,825	110,888	102,937
Arkansas	2,728,808	1,334,599	1,394,209	2,242,793	1,103,968	1,138,824	435,846	206,204	229,642
California	35,407,350	17,671,517	17,735,832	27,801,595	13,970,807	13,830,788	2,576,392	1,264,213	1,312,179
Colorado	4,547,289	2,290,770	2,256,519	4,152,619	2,092,173	2,060,446	204,029	105,768	98,261
Connecticut	3,473,610	1,687,632	1,785,978	2,986,479	1,452,752	1,533,727	363,358	173,520	189,838
Delaware	817,681	397,063	420,618	623,278	304,613	318,665	169,306	80,228	89,079
Dist. of Columbia	579,102	271,966	307,136	212,521	106,550	105,971	345,278	155,861	189,416
Florida	17,030,712	8,337,328	8,693,384	13,890,311	6,823,733	7,066,578	2,684,357	1,293,735	1,390,622
Georgia	8,767,985	4,315,668	4,452,316	5,897,922	2,951,960	2,945,962	2,603,267	1,230,819	1,372,448
Hawaii	1,246,570	623,727	622,843	304,183	162,426	141,757	36,291	20,683	15,609
Idaho	1,371,406	689,394	682,013	1,322,238	664,647	657,590	10,157	5,666	4,491
Illinois	12,649,684	6,211,880	6,437,803	10,127,438	5,014,672	5,112,766	1,956,986	918,829	1,038,157
Indiana	6,192,432	3,044,089	3,148,343	5,531,712	2,724,625	2,807,087	560,613	269,237	291,377
Iowa	2,945,744	1,450,138	1,495,606	2,813,024	1,382,486	1,430,538	76,617	39,761	36,856
Kansas	2,726,162	1,350,123	1,376,039	2,460,484	1,216,937	1,243,547	174,040	87,611	86,429
Kentucky	4,116,829	2,015,201	2,101,628	3,747,566	1,834,467	1,913,099	318,983	155,925	163,059
Louisiana	4,455,260	2,160,338	2,294,922	2,890,660	1,419,444	1,471,216	1,470,762	693,591	777,171
Maine	1,304,506	636,371	668,135	1,273,377	620,739	652,639	11,164	6,285	4,879
Maryland	5,494,135	2,654,914	2,839,221	3,591,905	1,761,261	1,830,645	1,616,780	755,917	860,864
Massachusetts	6,429,386	3,106,693	3,322,692	5,656,223	2,730,487	2,925,736	451,711	218,213	233,498
Michigan	10,060,790	4,944,321	5,116,469	8,269,059	4,086,868	4,182,191	1,488,834	706,213	782,620
Minnesota	5,058,097	2,510,453	2,547,644	4,593,157	2,275,234	2,317,924	225,980	116,893	109,087
Mississippi	2,873,496	1,390,328	1,483,167	1,776,130	873,652	902,478	1,060,967	499,012	561,955

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 2001-2005

By State, Race/Ethnicity and Sex

State	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	5,717,282	2,786,702	2,930,580	4,927,236	2,412,798	2,514,438	673,684	316,672	357,011
Montana	918,956	458,906	460,050	845,566	422,525	423,041	5,258	2,994	2,263
Nebraska	1,737,703	859,324	878,379	1,611,623	796,980	814,643	79,781	39,575	40,206
Nevada	2,250,187	1,143,948	1,106,239	1,893,962	970,387	923,576	178,950	89,922	89,028
New Hampshire	1,284,615	632,706	651,909	1,243,984	611,783	632,202	14,157	7,733	6,425
New Jersey	8,619,122	4,197,676	4,421,447	6,706,518	3,277,133	3,429,385	1,278,516	605,917	672,599
New Mexico	1,878,468	925,701	952,767	1,608,509	793,572	814,936	49,000	25,610	23,389
New York	19,221,741	9,291,244	9,930,496	14,353,220	6,992,400	7,360,820	3,461,166	1,602,190	1,858,976
North Carolina	8,426,449	4,129,739	4,296,709	6,300,624	3,123,136	3,177,488	1,861,363	876,727	984,636
North Dakota	634,614	317,780	316,834	590,285	295,508	294,777	5,867	3,374	2,493
Ohio	11,435,304	5,564,824	5,870,480	9,828,529	4,798,212	5,030,317	1,402,139	665,768	736,372
Oklahoma	3,505,150	1,725,569	1,779,581	2,835,323	1,396,081	1,439,241	290,837	143,644	147,192
Oregon	3,557,381	1,766,660	1,790,721	3,281,544	1,629,625	1,651,919	77,041	40,652	36,389
Pennsylvania	12,350,337	5,984,323	6,366,014	10,715,550	5,202,977	5,512,573	1,335,496	633,558	701,937
Rhode Island	1,070,874	516,376	554,498	962,867	463,171	499,695	70,363	34,977	35,386
South Carolina	4,149,167	2,016,955	2,132,211	2,852,199	1,407,301	1,444,898	1,232,233	578,021	654,211
South Dakota	765,476	381,031	384,445	684,608	340,422	344,185	7,999	4,757	3,243
Tennessee	5,842,102	2,850,041	2,992,061	4,756,599	2,336,153	2,420,446	991,627	467,584	524,042
Texas	22,139,125	11,016,494	11,122,631	18,592,256	9,289,722	9,302,534	2,634,587	1,272,914	1,361,673
Utah	2,376,383	1,192,692	1,183,690	2,246,826	1,127,286	1,119,540	27,752	15,303	12,449
Vermont	618,183	303,709	314,474	603,895	296,451	307,444	4,825	2,713	2,112
Virginia	7,378,209	3,619,339	3,758,870	5,509,653	2,723,725	2,785,928	1,499,616	717,549	782,067
Washington	6,138,666	3,058,183	3,080,483	5,336,046	2,662,606	2,673,439	251,322	132,823	118,499
West Virginia	1,807,841	882,502	925,339	1,729,889	842,913	886,976	62,138	31,663	30,475
Wisconsin	5,467,328	2,709,742	2,757,586	4,965,281	2,463,707	2,501,574	339,312	164,883	174,429
Wyoming	501,772	253,334	248,439	479,684	242,135	237,550	5,504	3,064	2,440

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 2001-2005

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.	13,318,138	6,476,293	6,841,846	3,083,907	1,539,182	1,544,726	39,995,465	20,643,997	19,351,468
CHSDA counties ^b	-	-	-	1,731,825	854,552	877,273	-	-	-
Non-CHSDA counties ^b	-	-	-	1,351,938	684,558	667,380	-	-	-
Alabama	40,883	19,916	20,967	24,990	12,565	12,426	93,415	52,613	40,802
Alaska	35,856	17,080	18,776	109,253	54,868	54,386	32,035	16,727	15,308
Arizona	139,789	66,865	72,924	290,142	141,725	148,417	1,537,240	796,863	740,377
Arkansas	28,779	13,815	14,964	21,390	10,612	10,778	112,503	62,309	50,194
California	4,544,947	2,191,965	2,352,982	484,416	244,532	239,883	12,125,530	6,223,146	5,902,385
Colorado	130,682	62,283	68,399	59,958	30,545	29,413	844,875	443,054	401,821
Connecticut	110,063	54,360	55,703	13,709	7,000	6,710	359,592	180,937	178,655
Delaware	21,571	10,458	11,113	3,526	1,765	1,761	45,530	24,295	21,234
Dist. of Columbia	18,811	8,360	10,450	2,492	1,194	1,298	47,937	25,217	22,720
Florida	378,748	179,492	199,255	77,296	40,367	36,929	3,165,110	1,593,487	1,571,623
Georgia	237,219	117,013	120,206	29,577	15,876	13,701	565,977	328,601	237,376
Hawaii	900,388	437,573	462,815	5,709	3,046	2,663	87,520	44,945	42,575
Idaho	17,453	8,253	9,200	21,559	10,827	10,732	118,849	63,789	55,061
Illinois	519,841	255,347	264,494	45,418	23,032	22,386	1,723,717	912,954	810,763
Indiana	80,257	39,968	40,289	19,850	10,259	9,591	256,672	140,281	116,391
Iowa	45,119	22,445	22,674	10,984	5,446	5,538	99,207	53,796	45,411
Kansas	61,008	30,130	30,877	30,630	15,445	15,185	213,655	114,125	99,530
Kentucky	40,470	19,712	20,758	9,810	5,098	4,712	72,764	42,312	30,451
Louisiana	65,215	32,879	32,336	28,622	14,423	14,199	119,811	61,760	58,051
Maine	11,613	5,281	6,332	8,351	4,067	4,284	11,611	5,893	5,718
Maryland	264,909	127,563	137,346	20,541	10,173	10,367	281,643	147,184	134,459
Massachusetts	299,834	147,272	152,562	21,616	10,721	10,896	475,680	236,121	239,559
Michigan	230,111	115,127	114,985	72,786	36,113	36,673	364,219	192,692	171,527
Minnesota	175,388	86,658	88,730	63,572	31,669	31,903	172,013	93,361	78,652
Mississippi	23,203	11,167	12,036	13,196	6,497	6,699	46,410	26,715	19,695

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 2001-2005

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	84,120	40,985	43,135	32,242	16,247	15,995	141,485	74,661	66,824
Montana	6,411	2,793	3,618	61,721	30,593	31,128	21,068	10,668	10,401
Nebraska	29,065	14,314	14,751	17,234	8,454	8,780	114,070	61,873	52,196
Nevada	142,067	65,955	76,112	35,207	17,683	17,524	498,381	264,702	233,680
New Hampshire	22,612	11,176	11,437	3,861	2,015	1,846	25,826	13,309	12,517
New Jersey	602,871	298,575	304,296	31,218	16,051	15,167	1,254,816	638,163	616,653
New Mexico	28,246	13,197	15,049	192,713	93,322	99,392	812,748	404,539	408,209
New York	1,284,513	635,973	648,540	122,842	60,682	62,160	3,036,429	1,499,680	1,536,749
North Carolina	154,375	75,360	79,015	110,086	54,516	55,570	483,349	281,846	201,503
North Dakota	4,905	2,437	2,468	33,557	16,462	17,095	9,266	4,902	4,364
Ohio	172,066	84,501	87,565	32,570	16,344	16,226	244,413	127,173	117,241
Oklahoma	62,514	30,700	31,814	316,477	155,143	161,334	213,596	115,032	98,564
Oregon	140,544	67,235	73,309	58,252	29,148	29,104	327,218	179,701	147,517
Pennsylvania	274,244	135,497	138,747	25,047	12,290	12,757	455,539	234,396	221,143
Rhode Island	30,582	14,809	15,773	7,062	3,419	3,643	106,836	53,003	53,833
South Carolina	48,353	23,287	25,066	16,382	8,346	8,036	121,930	71,205	50,725
South Dakota	5,989	2,925	3,064	66,880	32,927	33,953	13,965	7,461	6,504
Tennessee	75,602	36,715	38,887	18,274	9,588	8,686	156,915	91,238	65,677
Texas	748,064	370,157	377,907	164,218	83,701	80,517	7,543,519	3,857,167	3,686,351
Utah	67,658	32,977	34,681	34,148	17,127	17,021	242,626	129,861	112,764
Vermont	6,574	3,083	3,492	2,889	1,462	1,427	6,395	3,239	3,156
Virginia	342,154	164,475	177,680	26,786	13,591	13,195	404,866	216,218	188,648
Washington	436,936	205,746	231,190	114,362	57,008	57,354	510,652	272,233	238,419
West Virginia	11,899	5,920	5,978	3,916	2,006	1,909	14,189	7,414	6,775
Wisconsin	108,953	54,379	54,574	53,782	26,772	27,010	227,330	123,151	104,179
Wyoming	3,945	1,786	2,158	12,640	6,348	6,291	33,529	17,484	16,044

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 2001-2005

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	3,282,764	1,620,685	1,662,079	1,868,859	950,095	918,764	1,238,371	581,964	656,407
Metropolitan Atlanta	3,160,470	1,561,777	1,598,692	1,800,112	916,132	883,980	1,185,539	557,379	628,160
Rural Georgia	122,294	58,907	63,387	68,748	33,964	34,784	52,832	24,585	28,247
California	35,407,350	17,671,517	17,735,832	27,801,595	13,970,807	13,830,788	2,576,392	1,264,213	1,312,179
Greater Bay Area	6,571,474	3,291,072	3,280,402	4,521,255	2,291,253	2,230,002	493,847	240,481	253,366
San Francisco-Oakland, SMSA	4,162,681	2,063,421	2,099,260	2,768,269	1,395,413	1,372,856	418,068	199,208	218,860
San Jose-Monterey	2,408,793	1,227,652	1,181,141	1,752,986	895,840	857,146	75,779	41,273	34,506
Los Angeles	9,832,066	4,865,600	4,966,466	7,383,322	3,703,446	3,679,876	1,008,354	471,313	537,041
Greater California	19,003,810	9,514,845	9,488,965	15,897,019	7,976,108	7,920,910	1,074,192	552,420	521,772
Connecticut	3,473,610	1,687,632	1,785,978	2,986,479	1,452,752	1,533,727	363,358	173,520	189,838
Metropolitan Detroit	4,045,446	1,965,882	2,079,564	2,851,160	1,407,565	1,443,595	1,042,683	482,306	560,377
Hawaii	1,246,570	623,727	622,843	304,183	162,426	141,757	36,291	20,683	15,609
Iowa	2,945,744	1,450,138	1,495,606	2,813,024	1,382,486	1,430,538	76,617	39,761	36,856
Kentucky	4,116,829	2,015,201	2,101,628	3,747,566	1,834,467	1,913,099	318,983	155,925	163,059
Louisiana	4,455,260	2,160,338	2,294,922	2,890,660	1,419,444	1,471,216	1,470,762	693,591	777,171
New Jersey	8,619,122	4,197,676	4,421,447	6,706,518	3,277,133	3,429,385	1,278,516	605,917	672,599
New Mexico	1,878,468	925,701	952,767	1,608,509	793,572	814,936	49,000	25,610	23,389
Seattle-Puget Sound	4,202,559	2,094,695	2,107,864	3,524,537	1,761,208	1,763,329	218,865	114,945	103,920
Utah	2,376,383	1,192,692	1,183,690	2,246,826	1,127,286	1,119,540	27,752	15,303	12,449
9 SEER areas ^a	27,491,930	13,565,665	13,926,265	20,903,097	10,398,839	10,504,258	3,418,173	1,628,714	1,789,458
11 SEER areas ^a	39,732,789	19,658,917	20,073,872	30,039,405	14,998,125	15,041,280	4,502,305	2,141,300	2,361,005
13 SEER areas ^a	40,503,207	20,051,942	20,451,266	30,581,876	15,278,970	15,302,907	4,584,428	2,181,173	2,403,255
17 SEER areas ^a	76,698,229	37,940,001	38,758,228	59,823,639	29,786,122	30,037,517	8,726,881	4,189,025	4,537,856

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 2001-2005

By SEER Registry, Race/Ethnicity and Sex

Area	Asian/Pacific Islander			Hispanic ^a		
	Both Sexes	Males	Females	Both Sexes	Males	Females
Atlanta & Rural GA	163,729	82,186	81,543	308,086	180,375	127,711
Metropolitan Atlanta	163,249	81,940	81,309	305,761	178,991	126,771
Rural Georgia	481	246	235	2,324	1,384	940
California	4,544,947	2,191,965	2,352,982	12,125,530	6,223,146	5,902,385
Greater Bay Area	1,496,936	728,745	768,191	1,508,007	790,463	717,544
San Francisco-Oakland, SMSA	943,124	451,736	491,388	791,142	412,908	378,234
San Jose-Monterey	553,812	277,009	276,803	716,865	377,555	339,310
Los Angeles	1,325,262	632,089	693,173	4,546,596	2,297,033	2,249,563
Greater California	1,722,749	831,131	891,618	6,070,927	3,135,649	2,935,278
Connecticut	110,063	54,360	55,703	359,592	180,937	178,655
Metropolitan Detroit	133,744	67,342	66,402	134,604	71,005	63,599
Hawaii	900,388	437,573	462,815	87,520	44,945	42,575
Iowa	45,119	22,445	22,674	99,207	53,796	45,411
Kentucky	40,470	19,712	20,758	72,764	42,312	30,451
Louisiana	65,215	32,879	32,336	119,811	61,760	58,051
New Jersey	602,871	298,575	304,296	1,254,816	638,163	616,653
New Mexico	28,246	13,197	15,049	812,748	404,539	408,209
Seattle-Puget Sound	388,330	183,135	205,195	254,164	136,535	117,629
Utah	67,658	32,977	34,681	242,626	129,861	112,764
9 SEER areas ^b	2,779,921	1,344,705	1,435,216	3,087,364	1,613,517	1,473,848
11 SEER areas ^b	4,658,995	2,253,802	2,405,192	8,350,825	4,288,105	4,062,720
13 SEER areas ^b	4,695,331	2,271,128	2,424,203	8,385,184	4,306,216	4,078,968
17 SEER areas ^b	7,126,636	3,453,426	3,673,210	15,903,503	8,184,101	7,719,401

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 2001-2005

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	11,804	6,439	5,365	0	0	0	11,804	6,439
Metropolitan Atlanta	11,570	6,326	5,244	0	0	0	11,570	6,326	5,244
Rural Georgia	234	113	121	0	0	0	234	113	121
Alaska	109,253	54,868	54,386	109,253	54,868	54,386	0	0	0
California	484,416	244,532	239,883	203,805	101,806	101,999	280,611	142,726	137,885
Greater Bay Area	59,437	30,594	28,843	0	0	0	59,437	30,594	28,843
San Francisco- Oakland, SMSA	33,220	17,064	16,156	0	0	0	33,220	17,064	16,156
San Jose-Monterey	26,217	13,530	12,687	0	0	0	26,217	13,530	12,687
Los Angeles	115,129	58,753	56,376	0	0	0	115,129	58,753	56,376
Greater California	309,850	155,185	154,665	203,805	101,806	101,999	106,045	53,379	52,666
Connecticut	13,709	7,000	6,710	13,709	7,000	6,710	0	0	0
Metropolitan Detroit	17,859	8,670	9,189	0	0	0	17,859	8,670	9,189
Hawaii	5,709	3,046	2,663	0	0	0	5,709	3,046	2,663
Iowa	10,984	5,446	5,538	3,655	1,757	1,897	7,329	3,689	3,640
Kentucky	9,810	5,098	4,712	0	0	0	9,810	5,098	4,712
Louisiana	28,622	14,423	14,199	3,055	1,514	1,541	25,567	12,909	12,658
New Jersey	31,218	16,051	15,167	0	0	0	31,218	16,051	15,167
New Mexico	192,713	93,322	99,392	183,629	88,704	94,925	9,085	4,618	4,467
Seattle-Puget Sound	70,827	35,407	35,420	70,669	35,321	35,348	158	86	72
Utah	34,148	17,127	17,021	16,966	8,284	8,682	17,182	8,843	8,339
9 SEER areas ^a	390,740	193,407	197,332	288,628	141,066	147,562	102,112	52,341	49,770
11 SEER areas ^a	532,085	265,691	266,395	288,628	141,066	147,562	243,457	124,625	118,833
13 SEER areas ^a	641,572	320,671	320,901	397,881	195,934	201,948	243,691	124,737	118,954
17 SEER areas ^a	1,021,072	511,428	509,645	604,741	299,254	305,487	416,332	212,174	204,158

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

Age	IARC World Standard Million Population
All Ages	1,000,000
<1	24,000
1-4	96,000
5-9	100,000
10-14	90,000
15-19	90,000
20-24	80,000
25-29	80,000
30-34	60,000
35-39	60,000
40-44	60,000
45-49	60,000
50-54	50,000
55-59	40,000
60-64	40,000
65-69	30,000
70-74	20,000
75-79	10,000
80-84	5,000
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 1975-2004

By Registry, Sex, and Age

	Males				Females			
	All Ages	0-19	20-64	65+	All Ages	0-19	20-64	65+
<u>FOLLOWED INTO 2004</u>								
REGISTRY								
Standard 9 registries	99.20	94.13	98.73	99.66	98.39	92.67	97.40	99.44
San Francisco-Oakland	98.64	87.56	97.84	99.51	97.24	85.03	95.42	99.19
Connecticut	98.28	85.45	97.27	99.20	96.57	82.61	94.34	98.67
Metropolitan Detroit	99.55	96.16	99.33	99.79	99.04	95.97	98.42	99.69
Hawaii	99.38	96.45	99.06	99.66	98.83	95.92	98.36	99.47
Iowa	99.92	97.92	99.85	99.99	99.87	97.94	99.75	99.98
New Mexico	99.19	94.73	98.77	99.57	98.39	93.26	97.87	99.07
Seattle-Puget Sound	99.56	98.26	99.34	99.75	99.11	94.34	98.66	99.67
Utah	99.58	98.91	99.23	99.86	99.11	98.31	98.56	99.76
Metropolitan Atlanta	99.10	95.14	98.68	99.72	98.55	94.77	97.77	99.71
<u>FOLLOWED INTO 2005</u>								
REGISTRY								
Standard 9 registries	98.95	92.42	98.31	99.56	97.85	90.60	96.49	99.28
San Francisco-Oakland	98.38	85.86	97.45	99.38	96.79	82.56	94.69	99.02
Connecticut	97.88	82.16	96.62	99.02	95.67	79.11	92.70	98.43
Metropolitan Detroit	99.31	94.26	98.96	99.68	98.50	93.98	97.53	99.51
Hawaii	99.06	96.19	98.44	99.54	98.07	95.13	97.10	99.29
Iowa	99.85	97.28	99.69	99.98	99.69	97.26	99.37	99.96
New Mexico	98.84	93.59	98.17	99.42	97.53	91.22	96.51	98.75
Seattle-Puget Sound	99.39	95.99	99.10	99.68	98.80	92.00	98.19	99.57
Utah	99.33	98.00	98.78	99.76	98.57	97.33	97.69	99.62
Metropolitan Atlanta	98.73	93.60	98.10	99.62	97.92	91.88	96.83	99.58

^a Represents the percentage of first primaries diagnosed 1975-2004 and followed into the specified year.