

Table A-1

NUMBER OF INCIDENCE CASES, 2000-2003By 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	29,790	20,227	9,563	24,569	16,726	7,843	2,882	2,034	848
Esophagus	12,687	9,539	3,148	10,545	8,000	2,545	1,527	1,082	445
Stomach	22,626	13,744	8,882	16,492	10,230	6,262	2,861	1,629	1,232
Colon & Rectum	146,401	74,111	72,290	121,266	61,551	59,715	14,392	6,849	7,543
Colon	105,607	51,042	54,565	87,565	42,373	45,192	10,961	5,082	5,879
Rectum	40,794	23,069	17,725	33,701	19,178	14,523	3,431	1,767	1,664
Liver & IBD ^a	17,051	11,797	5,254	11,867	8,146	3,721	1,816	1,327	489
Pancreas	31,318	15,351	15,967	25,893	12,806	13,087	3,346	1,548	1,798
Larynx	10,607	8,501	2,106	8,658	6,892	1,766	1,514	1,226	288
Lung & Bronchus	179,660	98,380	81,280	152,394	82,021	70,373	17,839	10,665	7,174
Melanoma of the skin	52,445	29,718	22,727	49,402	28,120	21,282	240	116	124
Breast	201,020	1,541	199,479	169,493	1,274	168,219	17,490	196	17,294
Cervix uteri	13,435	-	13,435	10,285	-	10,285	1,784	-	1,784
Corpus & Uterus, NOS	35,953	-	35,953	30,627	-	30,627	2,713	-	2,713
Ovary ^b	21,223	-	21,223	18,292	-	18,292	1,434	-	1,434
Prostate	207,370	207,370	-	166,519	166,519	-	24,924	24,924	-
Testis	8,136	8,136	-	7,493	7,493	-	248	248	-
Urinary bladder	58,103	43,284	14,819	52,847	39,590	13,257	2,723	1,761	962
Kidney & Renal pelvis	35,652	22,162	13,490	30,266	18,867	11,399	3,510	2,137	1,373
Brain & ONS ^a	18,542	10,266	8,276	16,323	9,067	7,256	1,183	628	555
Thyroid	24,215	5,845	18,370	20,156	5,024	15,132	1,431	296	1,135
Hodgkin lymphoma	7,997	4,419	3,578	6,786	3,748	3,038	768	411	357
Non-Hodgkin lymphoma	54,129	28,919	25,210	46,474	24,792	21,682	3,765	2,064	1,701
Myeloma	15,356	8,288	7,068	11,879	6,528	5,351	2,511	1,281	1,230
Leukemia	34,625	19,750	14,875	29,611	16,963	12,648	2,536	1,383	1,153
Acute lymphocitic	4,636	2,586	2,050	3,890	2,188	1,702	293	155	138
Chronic lymphocitic	10,483	6,258	4,225	9,263	5,558	3,705	656	380	276
Acute myeloid	10,464	5,697	4,767	8,843	4,822	4,021	829	442	387
Chronic myeloid	4,299	2,476	1,823	3,566	2,046	1,520	371	213	158
All others	4,743	2,733	2,010	4,049	2,349	1,700	387	193	194
Kaposi Sarcoma	2,029	1,843	186	1,414	1,266	148	441	417	24
Mesothelioma	3,026	2,361	665	2,811	2,208	603	118	86	32
All Sites	1,327,804	685,300	642,504	1,113,023	571,133	541,890	121,806	65,901	55,905

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-2

STANDARD ERRORS OF INCIDENCE RATES, 2000-2003By 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	0.06	0.11	0.06	0.07	0.12	0.07	0.21	0.42	0.20
Esophagus	0.04	0.08	0.04	0.04	0.09	0.04	0.17	0.34	0.16
Stomach	0.05	0.10	0.06	0.06	0.10	0.06	0.24	0.46	0.27
Colon & Rectum	0.14	0.23	0.17	0.15	0.25	0.18	0.53	0.93	0.65
Colon	0.12	0.19	0.15	0.13	0.21	0.16	0.47	0.82	0.58
Rectum	0.07	0.12	0.08	0.08	0.14	0.09	0.25	0.44	0.30
Liver & IBD ^a	0.05	0.09	0.05	0.05	0.09	0.05	0.17	0.35	0.16
Pancreas	0.06	0.10	0.08	0.07	0.11	0.09	0.26	0.43	0.33
Larynx	0.04	0.07	0.03	0.04	0.08	0.03	0.16	0.35	0.12
Lung & Bronchus	0.15	0.26	0.18	0.17	0.29	0.21	0.59	1.14	0.63
Melanoma of the skin	0.08	0.14	0.10	0.09	0.16	0.12	0.06	0.11	0.08
Breast	0.16	0.03	0.29	0.18	0.04	0.33	0.53	0.15	0.91
Cervix uteri	0.04	-	0.08	0.04	-	0.08	0.16	-	0.28
Corpus & Uterus, NOS	0.07	-	0.12	0.07	-	0.14	0.22	-	0.38
Ovary ^b	0.05	-	0.09	0.06	-	0.11	0.16	-	0.27
Prostate	0.16	0.38	-	0.18	0.40	-	0.69	1.71	-
Testis	0.03	0.06	-	0.04	0.07	-	0.05	0.10	-
Urinary bladder	0.09	0.18	0.08	0.10	0.20	0.09	0.24	0.50	0.24
Kidney & Renal pelvis	0.07	0.12	0.07	0.07	0.13	0.08	0.24	0.46	0.26
Brain & ONS ^a	0.05	0.08	0.06	0.05	0.09	0.07	0.13	0.21	0.15
Thyroid	0.05	0.06	0.09	0.06	0.06	0.10	0.13	0.15	0.21
Hodgkin lymphoma	0.03	0.05	0.04	0.04	0.05	0.05	0.09	0.14	0.11
Non-Hodgkin lymphoma	0.08	0.14	0.10	0.09	0.15	0.11	0.24	0.41	0.29
Myeloma	0.04	0.08	0.05	0.05	0.08	0.06	0.22	0.40	0.26
Leukemia	0.07	0.11	0.08	0.07	0.13	0.09	0.21	0.38	0.24
Acute lymphocitic	0.02	0.03	0.03	0.03	0.04	0.04	0.05	0.08	0.07
Chronic lymphocitic	0.04	0.07	0.04	0.04	0.08	0.05	0.12	0.23	0.13
Acute myeloid	0.04	0.06	0.04	0.04	0.07	0.05	0.12	0.21	0.14
Chronic myeloid	0.02	0.04	0.03	0.03	0.04	0.03	0.08	0.14	0.09
All others	0.02	0.04	0.03	0.03	0.05	0.03	0.08	0.15	0.10
Kaposi Sarcoma	0.02	0.03	0.01	0.02	0.03	0.01	0.06	0.14	0.03
Mesothelioma	0.02	0.04	0.02	0.02	0.05	0.02	0.05	0.11	0.04
All Sites	0.41	0.68	0.52	0.45	0.75	0.58	1.48	2.74	1.69

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.

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

Table A-3

NUMBER OF DEATHS, 2000-2003By 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	30,707	20,588	10,119	25,344	16,662	8,682	4,317	3,217	1,100
Esophagus	50,321	38,595	11,726	42,997	33,317	9,680	6,523	4,667	1,856
Stomach	49,272	28,707	20,565	37,825	22,226	15,599	8,415	4,785	3,630
Colon & Rectum	226,628	113,174	113,454	194,145	97,316	96,829	27,522	13,227	14,295
Colon	192,546	94,260	98,286	164,576	80,888	83,688	23,939	11,273	12,666
Rectum	34,082	18,914	15,168	29,569	16,428	13,141	3,583	1,954	1,629
Liver & IBD ^a	55,020	35,152	19,868	43,911	27,824	16,087	6,879	4,508	2,371
Pancreas	120,173	58,639	61,534	103,517	50,985	52,532	13,922	6,375	7,547
Larynx	15,171	12,000	3,171	12,208	9,604	2,604	2,764	2,231	533
Lung & Bronchus	627,015	360,800	266,215	551,282	313,902	237,380	64,728	40,314	24,414
Melanoma of the skin	30,293	19,043	11,250	29,648	18,742	10,906	462	199	263
Breast	167,990	1,591	166,399	142,288	1,329	140,959	22,377	243	22,134
Cervix uteri	16,163	-	16,163	12,214	-	12,214	3,279	-	3,279
Corpus & Uterus, NOS	27,120	-	27,120	22,211	-	22,211	4,332	-	4,332
Ovary	57,813	-	57,813	52,006	-	52,006	4,585	-	4,585
Prostate	121,797	121,797	-	99,556	99,556	-	20,650	20,650	-
Testis	1,410	1,410	-	1,278	1,278	-	99	99	-
Urinary bladder	49,337	33,585	15,752	45,136	31,272	13,864	3,583	1,896	1,687
Kidney & Renal pelvis	48,265	30,027	18,238	42,986	26,813	16,173	4,342	2,617	1,725
Brain & ONS ^a	50,995	28,273	22,722	46,953	26,081	20,872	3,105	1,652	1,453
Thyroid	5,361	2,209	3,152	4,688	1,998	2,690	469	148	321
Hodgkin lymphoma	5,309	2,887	2,422	4,711	2,553	2,158	497	280	217
Non-Hodgkin lymphoma	88,419	46,459	41,960	80,821	42,462	38,359	5,710	2,994	2,716
Myeloma	43,075	22,060	21,015	35,201	18,377	16,824	7,153	3,342	3,811
Leukemia	86,118	47,859	38,259	77,294	43,177	34,117	7,092	3,726	3,366
Acute lymphocitic	5,689	3,264	2,425	4,967	2,854	2,113	499	285	214
Chronic lymphocitic	17,628	10,129	7,499	16,144	9,292	6,852	1,384	775	609
Acute myeloid	31,202	17,130	14,072	28,069	15,540	12,529	2,388	1,200	1,188
Chronic myeloid	6,051	3,371	2,680	5,182	2,889	2,293	703	383	320
All others	25,548	13,965	11,583	22,932	12,602	10,330	2,118	1,083	1,035
All Sites	2,220,994	1,149,885	1,071,109	1,923,673	994,447	929,226	249,382	130,558	118,824

Source: NCHS public use data file for the total US.

^a 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, 2000-2003By 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	0.02	0.03	0.02	0.02	0.03	0.02	0.06	0.12	0.05
Esophagus	0.02	0.04	0.02	0.02	0.04	0.02	0.08	0.16	0.07
Stomach	0.02	0.04	0.02	0.02	0.04	0.02	0.09	0.18	0.10
Colon & Rectum	0.04	0.07	0.05	0.04	0.08	0.05	0.17	0.31	0.20
Colon	0.04	0.07	0.05	0.04	0.07	0.05	0.16	0.29	0.19
Rectum	0.02	0.03	0.02	0.02	0.03	0.02	0.06	0.11	0.07
Liver & IBD ^a	0.02	0.04	0.02	0.02	0.04	0.02	0.08	0.15	0.08
Pancreas	0.03	0.05	0.04	0.03	0.05	0.04	0.12	0.20	0.14
Larynx	0.01	0.02	0.01	0.01	0.02	0.01	0.05	0.11	0.04
Lung & Bronchus	0.07	0.12	0.08	0.07	0.13	0.09	0.25	0.51	0.26
Melanoma of the skin	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.03	0.03
Breast	0.04	0.01	0.06	0.04	0.01	0.07	0.14	0.04	0.23
Cervix uteri	0.01	-	0.02	0.01	-	0.02	0.05	-	0.09
Corpus & Uterus, NOS	0.01	-	0.03	0.01	-	0.03	0.07	-	0.11
Ovary	0.02	-	0.04	0.02	-	0.04	0.07	-	0.11
Prostate	0.03	0.08	-	0.03	0.08	-	0.16	0.46	-
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	0.13	0.07
Kidney & Renal pelvis	0.02	0.04	0.02	0.02	0.04	0.02	0.06	0.13	0.07
Brain & ONS ^a	0.02	0.03	0.02	0.02	0.04	0.03	0.05	0.09	0.06
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	0.03	0.05	0.03	0.03	0.05	0.03	0.07	0.13	0.08
Myeloma	0.02	0.03	0.02	0.02	0.03	0.02	0.09	0.15	0.10
Leukemia	0.03	0.05	0.03	0.03	0.05	0.03	0.08	0.15	0.09
Acute lymphocitic	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.03	0.02
Chronic lymphocitic	0.01	0.02	0.01	0.01	0.02	0.01	0.04	0.08	0.04
Acute myeloid	0.02	0.03	0.02	0.02	0.03	0.02	0.05	0.08	0.05
Chronic myeloid	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.04	0.03
All others	0.01	0.03	0.02	0.02	0.03	0.02	0.05	0.09	0.05
All Sites	0.13	0.23	0.16	0.14	0.24	0.17	0.49	0.95	0.56

Source: NCHS public use data file for the total US.

^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-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

⁺ 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-5 - continued

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

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
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

Table A-6

International Classification of Childhood Cancer (ICCC)^a Definition (excludes MDS)

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, 9390-9394b	
b. Astrocytomas	9380 ^b 9384, 9400-9411, 9420, 9421-9424, 9440-9442 ^b	C72.3
c. Intracranial and intraspinal embryonal tumors	9470-9474, 9480, 9508 ^b 9501-9504 ^b	C70.0-C72.9
d. Other gliomas	9380 ^b 9381, 9382, 9430, 9444, 9450, 9451, 9460 ^b	C70.0-C72.2, C72.4-C72.9, C75.1, C75.3
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 8311, 8312, 8316-8319, 8361	C64.9
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 8160-8180	C22.0, C22.1
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 (excludes MDS)

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 (excludes MDS)

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

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-7 - 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-8

ANNUAL POPULATIONS AVERAGED OVER 2000-2003

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.	286,506,108	140,756,232	145,749,876	233,423,439	115,277,097	118,146,342	37,427,662	17,827,310	19,600,352
Alabama	4,476,286	2,164,659	2,311,627	3,230,391	1,583,739	1,646,652	1,182,707	550,022	632,685
Alaska	637,254	329,433	307,820	466,832	244,084	222,748	27,413	14,393	13,020
Arizona	5,370,276	2,683,199	2,687,076	4,758,850	2,379,528	2,379,322	198,042	103,028	95,014
Arkansas	2,701,480	1,320,465	1,381,014	2,222,598	1,093,563	1,129,036	432,023	204,143	227,880
California	34,746,401	17,325,897	17,420,504	27,345,487	13,723,035	13,622,452	2,551,509	1,251,317	1,300,192
Colorado	4,450,005	2,243,050	2,206,955	4,071,643	2,052,085	2,019,559	197,705	102,807	94,898
Connecticut	3,447,868	1,671,562	1,776,306	2,977,704	1,445,309	1,532,395	356,103	169,670	186,434
Delaware	801,586	389,788	411,798	615,110	301,007	314,103	163,488	77,568	85,920
Dist. of Columbia	565,679	266,825	298,855	203,294	102,236	101,058	342,438	155,650	186,788
Florida	16,520,681	8,075,062	8,445,619	13,514,246	6,627,246	6,887,000	2,587,535	1,246,262	1,341,273
Georgia	8,459,391	4,170,792	4,288,599	5,717,365	2,867,097	2,850,268	2,498,232	1,182,044	1,316,189
Hawaii	1,229,347	615,587	613,761	299,180	160,115	139,065	33,822	19,685	14,138
Idaho	1,332,783	668,041	664,742	1,286,979	645,113	641,867	8,567	4,865	3,702
Illinois	12,548,102	6,151,577	6,396,524	10,062,249	4,972,589	5,089,661	1,949,838	914,844	1,034,994
Indiana	6,144,394	3,018,140	3,126,254	5,502,836	2,708,458	2,794,378	548,582	263,247	285,335
Iowa	2,934,195	1,441,450	1,492,745	2,809,184	1,377,801	1,431,383	72,278	37,499	34,780
Kansas	2,707,892	1,340,763	1,367,129	2,450,299	1,211,646	1,238,654	169,915	85,517	84,397
Kentucky	4,081,237	1,998,069	2,083,168	3,720,402	1,821,598	1,898,804	314,013	153,449	160,563
Louisiana	4,476,719	2,170,128	2,306,591	2,905,866	1,426,550	1,479,317	1,479,187	697,482	781,705
Maine	1,292,745	629,904	662,842	1,263,818	615,401	648,417	9,715	5,564	4,151
Maryland	5,411,200	2,616,276	2,794,924	3,567,833	1,749,889	1,817,944	1,575,132	736,782	838,350
Massachusetts	6,397,613	3,088,546	3,309,067	5,654,508	2,727,195	2,927,312	440,058	212,179	227,879
Michigan	10,021,415	4,918,493	5,102,923	8,254,826	4,073,874	4,180,952	1,480,403	701,830	778,573
Minnesota	5,002,167	2,479,302	2,522,866	4,561,808	2,256,881	2,304,927	209,393	108,335	101,058
Mississippi	2,864,322	1,386,067	1,478,255	1,775,135	873,985	901,150	1,054,263	495,235	559,028

Source: NCI estimates based on Census Bureau population data.

Table A-8 - continued

ANNUAL POPULATIONS AVERAGED OVER 2000-2003

By State, Race/Ethnicity and Sex

State	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	5,661,949	2,758,459	2,903,490	4,889,852	2,393,361	2,496,491	663,156	311,710	351,445
Montana	909,642	453,359	456,283	838,369	418,045	420,324	4,333	2,545	1,788
Nebraska	1,723,998	850,862	873,136	1,603,170	791,267	811,903	76,926	38,122	38,804
Nevada	2,130,990	1,085,450	1,045,540	1,804,664	925,830	878,834	165,180	83,441	81,739
New Hampshire	1,266,012	623,478	642,534	1,229,260	604,609	624,651	12,704	6,980	5,724
New Jersey	8,539,886	4,150,049	4,389,837	6,682,756	3,257,514	3,425,241	1,264,533	598,435	666,098
New Mexico	1,846,884	908,120	938,764	1,584,475	779,824	804,651	45,321	23,738	21,582
New York	19,112,024	9,226,617	9,885,408	14,310,860	6,961,576	7,349,285	3,457,294	1,598,819	1,858,475
North Carolina	8,252,430	4,049,280	4,203,150	6,175,217	3,064,773	3,110,444	1,824,544	860,004	964,539
North Dakota	636,166	317,473	318,693	593,554	296,128	297,425	5,038	2,966	2,071
Ohio	11,399,935	5,542,111	5,857,824	9,825,162	4,791,808	5,033,355	1,383,797	656,549	727,247
Oklahoma	3,478,876	1,713,537	1,765,339	2,821,882	1,390,253	1,431,629	284,362	140,506	143,857
Oregon	3,498,210	1,736,565	1,761,644	3,235,495	1,605,981	1,629,514	73,082	38,696	34,386
Pennsylvania	12,320,994	5,958,370	6,362,624	10,728,187	5,199,608	5,528,579	1,313,017	620,983	692,034
Rhode Island	1,063,581	511,763	551,818	959,717	460,692	499,026	67,731	33,545	34,187
South Carolina	4,084,837	1,986,333	2,098,504	2,804,474	1,385,113	1,419,361	1,219,595	571,602	647,994
South Dakota	759,827	377,238	382,589	681,306	337,891	343,415	6,615	4,050	2,565
Tennessee	5,772,145	2,816,191	2,955,954	4,711,289	2,314,214	2,397,074	973,278	458,804	514,474
Texas	21,527,646	10,705,111	10,822,535	18,107,720	9,041,183	9,066,538	2,567,564	1,240,065	1,327,499
Utah	2,299,047	1,153,314	1,145,733	2,177,363	1,091,784	1,085,580	24,841	13,857	10,984
Vermont	614,687	301,837	312,850	601,280	295,014	306,266	4,304	2,441	1,864
Virginia	7,232,103	3,552,819	3,679,284	5,418,828	2,682,640	2,736,188	1,470,158	704,181	765,977
Washington	6,025,598	3,002,656	3,022,943	5,258,585	2,623,646	2,634,939	240,649	127,842	112,808
West Virginia	1,806,483	880,269	926,213	1,730,709	842,091	888,619	61,073	30,911	30,162
Wisconsin	5,423,739	2,681,586	2,742,153	4,934,590	2,442,635	2,491,955	331,236	160,311	170,925
Wyoming	497,389	250,317	247,072	476,238	239,601	236,637	4,978	2,796	2,182

Source: NCI estimates based on Census Bureau population data.

Table A-8 - continued

ANNUAL POPULATIONS AVERAGED OVER 2000-2003

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.	12,603,810	6,129,187	6,474,623	3,051,197	1,522,638	1,528,560	37,766,969	19,467,354	18,299,615
Alabama	37,559	18,008	19,551	25,629	12,891	12,739	84,516	47,946	36,570
Alaska	33,864	16,115	17,749	109,145	54,842	54,304	28,507	14,846	13,662
Arizona	126,189	60,158	66,031	287,194	140,485	146,709	1,422,990	736,789	686,201
Arkansas	26,013	12,479	13,534	20,846	10,281	10,565	99,932	55,753	44,179
California	4,370,642	2,110,212	2,260,430	478,764	241,333	237,431	11,569,082	5,929,903	5,639,179
Colorado	122,500	58,472	64,028	58,157	29,687	28,471	799,584	419,085	380,500
Connecticut	100,742	49,752	50,990	13,320	6,831	6,488	341,568	171,319	170,249
Delaware	19,550	9,478	10,072	3,440	1,736	1,704	41,506	22,303	19,203
Dist. of Columbia	17,662	7,850	9,813	2,285	1,089	1,196	46,348	24,615	21,733
Florida	346,238	163,640	182,598	72,663	37,915	34,748	2,930,631	1,470,326	1,460,305
Georgia	215,066	106,201	108,866	28,728	15,451	13,277	499,212	293,357	205,856
Hawaii	891,611	433,256	458,355	4,735	2,531	2,204	88,242	45,155	43,087
Idaho	16,077	7,564	8,513	21,161	10,500	10,660	110,566	59,237	51,330
Illinois	491,161	241,473	249,689	44,853	22,672	22,181	1,632,072	864,109	767,963
Indiana	72,661	35,937	36,725	20,315	10,498	9,817	236,571	129,441	107,130
Iowa	41,970	20,828	21,142	10,763	5,323	5,440	91,178	49,509	41,669
Kansas	56,861	28,016	28,845	30,817	15,584	15,233	201,432	107,901	93,531
Kentucky	36,812	17,852	18,960	10,010	5,170	4,840	66,521	39,101	27,420
Louisiana	62,719	31,512	31,207	28,946	14,584	14,362	114,583	58,707	55,876
Maine	10,877	4,902	5,975	8,336	4,037	4,300	10,557	5,369	5,188
Maryland	247,990	119,563	128,427	20,244	10,042	10,203	254,854	132,838	122,016
Massachusetts	281,865	138,636	143,229	21,183	10,536	10,647	457,112	226,471	230,642
Michigan	212,768	106,361	106,407	73,419	36,428	36,991	346,200	182,796	163,404
Minnesota	167,218	82,456	84,761	63,749	31,630	32,119	158,344	86,045	72,299
Mississippi	21,855	10,406	11,449	13,070	6,441	6,629	43,206	24,951	18,255

Source: NCI estimates based on Census Bureau population data.

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

Table A-8 - continued

ANNUAL POPULATIONS AVERAGED OVER 2000-2003

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	76,970	37,268	39,702	31,971	16,120	15,852	130,570	68,888	61,682
Montana	5,887	2,501	3,386	61,054	30,269	30,785	19,609	9,926	9,683
Nebraska	26,699	13,024	13,675	17,203	8,449	8,755	104,919	57,026	47,893
Nevada	127,335	59,188	68,147	33,811	16,990	16,821	449,430	239,124	210,306
New Hampshire	20,198	9,903	10,294	3,851	1,986	1,865	23,442	12,028	11,414
New Jersey	562,415	278,573	283,843	30,182	15,527	14,655	1,191,735	604,735	587,000
New Mexico	26,301	12,204	14,097	190,788	92,354	98,434	789,554	391,492	398,062
New York	1,222,134	605,994	616,141	121,736	60,229	61,507	2,966,460	1,463,164	1,503,296
North Carolina	142,513	69,775	72,738	110,156	54,728	55,428	433,454	255,959	177,495
North Dakota	4,413	2,143	2,270	33,162	16,235	16,927	8,444	4,464	3,981
Ohio	158,077	77,228	80,849	32,899	16,525	16,374	231,916	120,468	111,449
Oklahoma	57,541	28,033	29,508	315,091	154,745	160,345	197,213	106,628	90,585
Oregon	132,105	63,153	68,952	57,528	28,736	28,792	303,040	167,117	135,923
Pennsylvania	254,991	125,581	129,411	24,799	12,199	12,600	424,375	217,859	206,517
Rhode Island	29,255	14,203	15,052	6,878	3,323	3,555	99,434	49,212	50,223
South Carolina	44,592	21,342	23,250	16,176	8,277	7,900	108,830	64,404	44,427
South Dakota	5,391	2,566	2,826	66,514	32,732	33,783	12,509	6,681	5,828
Tennessee	69,256	33,542	35,714	18,323	9,631	8,693	140,161	82,205	57,956
Texas	693,261	342,899	350,362	159,101	80,964	78,137	7,127,583	3,637,210	3,490,373
Utah	62,847	30,660	32,187	33,996	17,014	16,982	223,102	119,480	103,622
Vermont	6,135	2,864	3,271	2,968	1,518	1,450	5,896	2,947	2,949
Virginia	316,271	152,319	163,952	26,847	13,679	13,168	367,282	196,408	170,874
Washington	412,790	194,575	218,215	113,575	56,593	56,982	476,225	254,150	222,075
West Virginia	10,661	5,212	5,449	4,040	2,055	1,985	13,136	6,840	6,295
Wisconsin	103,647	51,712	51,935	54,267	26,928	27,339	210,948	114,278	96,671
Wyoming	3,659	1,602	2,057	12,514	6,319	6,195	32,391	16,794	15,597

Source: NCI estimates based on Census Bureau population data.

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

Table A-9

ANNUAL POPULATIONS AVERAGED OVER 2000-2003

By SEER Registry, Race/Ethnicity and Sex

Area	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
17 SEER areas ^a	75,550,757	37,333,567	38,217,189	59,120,555	29,394,918	29,725,637	8,588,379	4,121,196	4,467,183
13 SEER areas ^a	39,971,903	19,766,959	20,204,944	30,290,407	15,110,368	15,180,039	4,492,160	2,136,729	2,355,431
11 SEER areas ^a	39,213,199	19,379,093	19,834,105	29,756,776	14,833,250	14,923,526	4,410,764	2,097,268	2,313,496
9 SEER areas ^a	27,106,274	13,359,525	13,746,749	20,710,565	10,285,872	10,424,693	3,323,854	1,583,892	1,739,962
San Francisco-Oakland SMSA	4,158,463	2,057,965	2,100,498	2,778,152	1,396,768	1,381,384	426,112	202,840	223,273
Connecticut	3,447,868	1,671,562	1,776,306	2,977,704	1,445,309	1,532,395	356,103	169,670	186,434
Metropolitan Detroit	4,051,363	1,965,236	2,086,127	2,868,531	1,412,765	1,455,766	1,040,619	481,245	559,374
Hawaii	1,229,347	615,587	613,761	299,180	160,115	139,065	33,822	19,685	14,138
Iowa	2,934,195	1,441,450	1,492,745	2,809,184	1,377,801	1,431,383	72,278	37,499	34,780
New Mexico	1,846,884	908,120	938,764	1,584,475	779,824	804,651	45,321	23,738	21,582
Seattle-Puget Sound	4,132,897	2,060,354	2,072,543	3,483,046	1,740,103	1,742,943	210,862	111,299	99,563
Utah	2,299,047	1,153,314	1,145,733	2,177,363	1,091,784	1,085,580	24,841	13,857	10,984
Metropolitan Atlanta	3,006,211	1,485,938	1,520,272	1,732,931	881,404	851,527	1,113,897	524,061	589,836
San Jose-Monterey	2,400,303	1,220,167	1,180,136	1,765,335	899,467	865,868	75,451	40,957	34,494
Los Angeles	9,706,622	4,799,401	4,907,221	7,280,876	3,647,911	3,632,965	1,011,459	472,419	539,041
Rural Georgia	121,451	58,432	63,019	66,800	33,034	33,765	53,984	25,068	28,915
California exclud. SF/SJM/LA	18,481,013	9,248,364	9,232,649	15,521,124	7,778,888	7,742,236	1,038,487	535,101	503,386
Kentucky	4,081,237	1,998,069	2,083,168	3,720,402	1,821,598	1,898,804	314,013	153,449	160,563
Louisiana	4,476,719	2,170,128	2,306,591	2,905,866	1,426,550	1,479,317	1,479,187	697,482	781,705
New Jersey	8,539,886	4,150,049	4,389,837	6,682,756	3,257,514	3,425,241	1,264,533	598,435	666,098

Source: NCI estimates based on Census Bureau population data.

^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 California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey

Table A-9 - continued

ANNUAL POPULATIONS AVERAGED OVER 2000-2003

By SEER Registry, Race/Ethnicity and Sex

Area	Asian/Pacific Islander			American Indian/Alaska Native			Hispanic ^a		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
17 SEER areas ^b	6,830,744	3,311,668	3,519,076	1,011,080	505,786	505,293	15,131,571	7,774,842	7,356,729
13 SEER areas ^b	4,546,490	2,199,175	2,347,316	642,845	320,687	322,159	8,057,349	4,130,123	3,927,226
11 SEER areas ^b	4,512,183	2,182,841	2,329,342	533,476	265,734	267,741	8,026,764	4,114,034	3,912,730
9 SEER areas ^b	2,685,215	1,298,889	1,386,326	386,640	190,872	195,768	2,919,381	1,521,834	1,397,547
San Francisco-Oakland SMSA	921,366	441,704	479,662	32,833	16,653	16,180	760,316	395,527	364,790
Connecticut	100,742	49,752	50,990	13,320	6,831	6,488	341,568	171,319	170,249
Metropolitan Detroit	123,351	62,143	61,208	18,861	9,083	9,779	127,119	66,957	60,162
Hawaii	891,611	433,256	458,355	4,735	2,531	2,204	88,242	45,155	43,087
Iowa	41,970	20,828	21,142	10,763	5,323	5,440	91,178	49,509	41,669
New Mexico	26,301	12,204	14,097	190,788	92,354	98,434	789,554	391,492	398,062
Seattle-Puget Sound	368,233	173,631	194,602	70,756	35,321	35,435	234,260	125,924	108,336
Utah	62,847	30,660	32,187	33,996	17,014	16,982	223,102	119,480	103,622
Metropolitan Atlanta	148,794	74,711	74,084	10,589	5,764	4,826	264,043	156,472	107,570
San Jose-Monterey	532,529	265,868	266,661	26,989	13,875	13,114	697,283	366,072	331,210
Los Angeles	1,294,440	618,084	676,356	119,847	60,987	58,860	4,410,100	2,226,127	2,183,973
Rural Georgia	443	219	225	224	111	114	2,078	1,243	835
California exclud. SF/SJM/LA	1,622,307	784,556	837,751	299,096	149,819	149,277	5,701,384	2,942,177	2,759,207
Kentucky	36,812	17,852	18,960	10,010	5,170	4,840	66,521	39,101	27,420
Louisiana	62,719	31,512	31,207	28,946	14,584	14,362	114,583	58,707	55,876
New Jersey	562,415	278,573	283,843	30,182	15,527	14,655	1,191,735	604,735	587,000

Source: NCI estimates based on Census Bureau population data.

^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 California excluding SF/SJM/LA, Kentucky, Louisiana and New Jersey

Table A-10

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-11
ALL SITES (Invasive)

SEER FOLLOW-UP RATES^a FOR CASES DIAGNOSED 1975-2002

By Registry, Sex, and Age

	Males				Females			
	All Ages	0-19	20-64	65+	All Ages	0-19	20-64	65+
<u>FOLLOWED INTO 2002</u>								
REGISTRY								
Standard 9 registries	99.29	93.71	98.88	99.71	98.66	92.45	97.84	99.56
San Francisco-Oakland	98.69	85.99	97.98	99.52	97.37	82.82	95.74	99.16
Connecticut	98.63	85.35	97.85	99.38	97.64	84.17	96.10	99.11
Metropolitan Detroit	99.63	96.67	99.46	99.82	99.19	95.47	98.65	99.78
Hawaii	99.59	96.19	99.53	99.71	99.37	97.67	99.19	99.64
Iowa	99.93	98.22	99.87	99.99	99.88	97.71	99.78	99.98
New Mexico	99.40	95.74	99.06	99.71	98.95	94.29	98.61	99.44
Seattle-Puget Sound	99.61	97.75	99.37	99.82	99.20	94.42	98.75	99.75
Utah	99.44	97.73	98.97	99.84	99.17	97.66	98.69	99.79
Metropolitan Atlanta	99.06	93.06	98.61	99.75	98.49	93.42	97.66	99.74
<u>FOLLOWED INTO 2003</u>								
REGISTRY								
Standard 9 registries	99.09	92.21	98.56	99.62	98.21	90.25	97.14	99.37
San Francisco-Oakland	98.41	83.42	97.53	99.42	96.74	79.25	94.66	99.00
Connecticut	98.30	82.95	97.31	99.23	96.68	79.98	94.58	98.66
Metropolitan Detroit	99.53	95.80	99.31	99.77	98.98	94.28	98.30	99.72
Hawaii	99.36	95.10	99.32	99.48	98.98	96.00	98.79	99.29
Iowa	99.89	97.72	99.79	99.99	99.80	97.15	99.64	99.97
New Mexico	99.12	94.09	98.64	99.55	98.39	92.95	97.87	99.07
Seattle-Puget Sound	99.37	95.85	99.02	99.69	98.79	91.56	98.16	99.56
Utah	99.31	97.36	98.73	99.80	98.92	96.89	98.34	99.67
Metropolitan Atlanta	98.83	91.23	98.30	99.66	98.10	90.56	97.13	99.63

^a Represents the percentage of first primaries diagnosed 1975-2002 and followed into the specified year.