

Table A-1

NUMBER OF INCIDENCE CASES, 1998-2002By Primary Cancer Site, Race and Sex  
13 SEER Geographic Areas

Site	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral & Pharynx	18,840	12,544	6,296	15,010	9,987	5,023	1,922	1,352	570
Esophagus	7,911	5,904	2,007	6,363	4,805	1,558	975	662	313
Stomach	15,392	9,205	6,187	10,557	6,448	4,109	1,837	1,026	811
Colon & Rectum	92,665	46,471	46,194	74,270	37,310	36,960	9,023	4,239	4,784
Colon	66,809	31,985	34,824	53,656	25,741	27,915	6,901	3,137	3,764
Rectum	25,856	14,486	11,370	20,614	11,569	9,045	2,122	1,102	1,020
Liver & Intrahep	10,942	7,413	3,529	7,040	4,692	2,348	1,143	820	323
Pancreas	19,243	9,432	9,811	15,360	7,631	7,729	2,135	996	1,139
Larynx	6,445	5,109	1,336	5,127	4,049	1,078	964	755	209
Lung & Bronchus	106,208	58,361	47,847	86,538	46,534	40,004	11,579	6,852	4,727
Melanoma of skin	31,589	17,743	13,846	30,012	16,902	13,110	164	84	80
Breast	132,055	913	131,142	108,974	746	108,228	11,261	118	11,143
Cervix uteri	8,831	-	8,831	6,590	-	6,590	1,115	-	1,115
Corpus & Uterus, NOS	23,557	-	23,557	19,707	-	19,707	1,691	-	1,691
Ovary	13,587	-	13,587	11,434	-	11,434	899	-	899
Prostate	132,081	132,081	-	103,914	103,914	-	16,484	16,484	-
Testis	5,344	5,344	-	4,866	4,866	-	159	159	-
Urinary bladder	35,403	26,323	9,080	31,660	23,672	7,988	1,746	1,113	633
Kidney & Renal pel	20,676	12,828	7,848	17,067	10,627	6,440	2,168	1,293	875
Brain & Oth Nerv	11,757	6,511	5,246	10,263	5,708	4,555	726	376	350
Thyroid	14,559	3,575	10,984	11,717	2,972	8,745	808	175	633
Hodgkin lymphoma	5,180	2,836	2,344	4,330	2,366	1,964	528	290	238
Non-Hodgkin lymph	34,231	18,517	15,714	28,756	15,538	13,218	2,393	1,305	1,088
Myeloma	9,708	5,241	4,467	7,377	4,083	3,294	1,598	785	813
Leukemia	21,859	12,481	9,378	18,475	10,579	7,896	1,543	833	710
Acute lymph	2,972	1,643	1,329	2,464	1,364	1,100	181	93	88
Chronic lymph	6,264	3,810	2,454	5,544	3,381	2,163	393	227	166
Acute myeloid	6,789	3,660	3,129	5,593	3,026	2,567	523	266	257
Chronic myeloid	2,875	1,644	1,231	2,348	1,333	1,015	240	142	98
All others	2,959	1,724	1,235	2,526	1,475	1,051	206	105	101
Kaposi Sarcoma	1,729	1,599	130	1,181	1,085	96	399	377	-
Mesothelioma	1,776	1,388	388	1,609	1,261	348	81	61	-
All Sites	833,460	426,002	407,458	680,500	345,399	335,101	78,323	42,463	35,860

Source: SEER 13 areas (San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah, Atlanta, San Jose-Monterey, Los Angeles, Alaska Native Registry, Rural Georgia).

Table A-2

NUMBER OF DEATHS, 1998-2002By 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 & Pharynx	38,381	25,516	12,865	31,664	20,625	11,039	5,510	4,057	1,453
Esophagus	61,142	46,642	14,500	51,828	39,921	11,907	8,331	5,980	2,351
Stomach	62,830	36,675	26,155	48,445	28,514	19,931	10,752	6,122	4,630
Colon & Rectum	285,040	141,520	143,520	245,335	122,299	123,036	33,963	16,175	17,788
Colon	243,074	118,463	124,611	208,732	102,201	106,531	29,665	13,829	15,836
Rectum	41,966	23,057	18,909	36,603	20,098	16,505	4,298	2,346	1,952
Liver & Intrahep	65,077	41,139	23,938	52,201	32,649	19,552	8,077	5,260	2,817
Pancreas	146,812	71,561	75,251	126,581	62,203	64,378	17,082	7,854	9,228
Larynx	19,061	14,974	4,087	15,369	11,994	3,375	3,447	2,778	669
Lung & Bronchus	775,558	451,690	323,868	682,251	393,149	289,102	80,407	50,738	29,669
Melanoma of skin	37,121	23,356	13,765	36,361	22,999	13,362	558	241	317
Breast	209,605	1,945	207,660	178,375	1,617	176,758	27,385	307	27,078
Cervix uteri	20,788	-	20,788	15,761	-	15,761	4,229	-	4,229
Corpus & Uterus, NOS	33,110	-	33,110	27,296	-	27,296	5,182	-	5,182
Ovary	70,173	-	70,173	63,299	-	63,299	5,536	-	5,536
Prostate	156,174	156,174	-	127,744	127,744	-	26,549	26,549	-
Testis	1,814	1,814	-	1,653	1,653	-	122	122	-
Urinary bladder	60,521	41,052	19,469	55,351	38,223	17,128	4,462	2,343	2,119
Kidney & Renal pel	58,579	36,322	22,257	52,220	32,422	19,798	5,251	3,194	2,057
Brain & Oth Nerv	63,525	35,087	28,438	58,640	32,444	26,196	3,805	2,008	1,797
Thyroid	6,472	2,621	3,851	5,637	2,359	3,278	586	187	399
Hodgkin lymphoma	6,676	3,714	2,962	5,930	3,291	2,639	652	378	274
Non-Hodgkin lymph	113,180	59,059	54,121	103,662	53,966	49,696	7,297	3,892	3,405
Myeloma	53,100	27,047	26,053	43,318	22,472	20,846	8,899	4,148	4,751
Leukemia	106,050	58,595	47,455	95,173	52,783	42,390	8,803	4,646	4,157
Acute lymph	7,057	3,989	3,068	6,199	3,510	2,689	613	347	266
Chronic lymph	21,777	12,518	9,259	19,909	11,462	8,447	1,747	986	761
Acute myeloid	36,593	19,846	16,747	32,891	17,962	14,929	2,827	1,415	1,412
Chronic myeloid	8,910	4,960	3,950	7,678	4,268	3,410	991	545	446
All others	31,713	17,282	14,431	28,496	15,581	12,915	2,625	1,353	1,272
All Sites	2,755,502	1,429,808	1,325,694	2,389,534	1,236,918	1,152,616	309,865	163,486	146,379

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

Table A-3

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

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
<b>Oral Cavity and Pharynx</b>			
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 <sup>+</sup>	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
<b>Digestive System</b>			
Esophagus	C150-C159	excluding 9590-9989, and sometimes 9050-9055, 9140 <sup>+</sup>	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 <sup>+</sup>	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 <sup>+</sup>	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 <sup>+</sup>	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
<b>Respiratory System</b>			
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 <sup>+</sup>	22030
Pleura	C384		22050
Trachea, Mediastinum and Other Respiratory Organs	C339, C381-C383, C388 C390, C398, C399		22060
<b>Bones and Joints</b>	C400-C419	excluding 9590-9989, and sometimes 9050-9055, 9140 <sup>+</sup>	23000
<b>Soft Tissue including Heart</b>	C380, C470-C479, C490-C499	excluding 9590-9989, and sometimes 9050-9055, 9140 <sup>+</sup>	24000
<b>Skin excluding Basal and Squamous</b>			
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 <sup>+</sup>	25020
<b>Breast</b>	C500-C509	excluding 9590-9989, and sometimes 9050-9055, 9140 <sup>+</sup>	26000
<b>Female Genital System</b>			
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 <sup>+</sup>	27030
Ovary	C569		27040
Vagina	C529		27050
Vulva	C510-C519		27060
Other Female Genital Organs	C570-C589		27070

Table A-3 - continued

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

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
<b>Male Genital System</b>			
Prostate	C619		28010
Testis	C620-C629	excluding 9590-9989, and	28020
Penis	C600-C609	sometimes 9050-9055, 9140 <sup>+</sup>	28030
Other Male Genital Organs	C630-C639		28040
<b>Urinary System</b>			
Urinary Bladder	C670-C679		29010
Kidney and Renal Pelvis	C649, C659	excluding 9590-9989, and	29020
Ureter	C669	sometimes 9050-9055, 9140 <sup>+</sup>	29030
Other Urinary Organs	C680-C689		29040
<b>Eye and Orbit</b>	C690-C699	excluding 9590-9989, and sometimes 9050-9055, 9140 <sup>+</sup>	30000
<b>Brain and Other Nervous System</b>			
Brain	C710-C719	excluding 9530-9539, 9590-9989, and sometimes 9050-9055, 9140 <sup>+</sup>	31010
Cranial Nerves Other Nervous System	C710-C719 C700-C709, C720-C729	9530-9539 excluding 9590-9989, and sometimes 9050-9055, 9140 <sup>+</sup>	31040
<b>Endocrine System</b>			
Thyroid	C739	excluding 9590-9989, and	32010
Other Endocrine including Thymus	C379, C740-C749, C750-C759	sometimes 9050-9055, 9140 <sup>+</sup>	32020
<b>Lymphoma</b>			
<b>Hodgkin Lymphoma</b>			
Hodgkin - Nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9650-9667	33011
Hodgkin - Extranodal	All other sites		33012
<b>Non-Hodgkin Lymphoma</b>			
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	
<b>Myeloma</b>		9731-9732, 9734	34000
<b>Leukemia</b>			
<b>Lymphocytic Leukemia</b>			
Acute Lymphocytic Leukemia		9826, 9835-9837	35011
Chronic Lymphocytic Leukemia	C420-C421, C424	9823	35012
Other Lymphocytic Leukemia		9820, 9832-9834, 9940	35013
<b>Myeloid and Monocytic Leukemia</b>			
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
<b>Other Leukemia</b>			
Other Acute Leukemia		9801, 9805, 9931	35041
Aleukemic, Subleukemic and NOS		9733, 9742, 9800, 9831, 9870, 9948, 9963, 9964	35043
	C420-C421, C424	9827	
<b>Mesothelioma</b> <sup>+</sup>		9050-9055	36010
<b>Kaposi Sarcoma</b> <sup>+</sup>		9140	36020

<sup>+</sup> 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-3 - 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-4

SEER Cause of Death Recode 1969+ (3/25/2004) Definition

Cancer Causes of Death	ICD-9 (1979-1998) #	ICD-10 (1999+) #
<b>All Malignant Cancers</b>	140-208, 238.6	C00-C97
<b>Oral Cavity and Pharynx</b>		
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
<b>Digestive System</b>		
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 <sup>+</sup> , C48.1-C48.2
Other Digestive Organs	159.8-159.9	C26.8-C26.9, C48.8
<b>Respiratory System</b>		
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 <sup>+</sup>
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
<b>Bones and Joints</b>	170	C40-C41
<b>Soft Tissue including Heart</b> §	164.1, 171	C47, C49, C38.0, C45.2 <sup>+</sup>
<b>Skin excluding Basal and Squamous</b>		
Melanoma of the Skin	172	C43
Other Non-Epithelial Skin	173	C44, C46 <sup>+</sup>
<b>Breast</b>	174-175	C50
<b>Female Genital System</b>		
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
<b>Male Genital System</b>		
Prostate	185	C61
Testis	186	C62
Penis	187.1-187.4	C60
Other Male Genital Organs	187.5-187.9	C63
<b>Urinary System</b>		
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
<b>Eye and Orbit</b>	190	C69
<b>Brain and Other Nervous System</b>	191, 192	C70, C71, C72
<b>Endocrine System</b>		
Thyroid	193	C73
Other Endocrine including Thymus <sup>§</sup>	164.0, 194	C37, C74-C75
<b>Lymphoma</b>		
Hodgkin Lymphoma	201	C81
Non-Hodgkin Lymphoma	200, 202.0-202.2, 202.8-202.9	C82-C85, C96.3

Table A-4 - continued

SEER Cause of Death Recode 1969+ (3/25/2004) Definition

Cancer Causes of Death	ICD-9 (1979-1998) #	ICD-10 (1999+) #
<b>Myeloma</b>	203.0, 238.6	C90.0, C90.2
<b>Leukemia</b>		
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
<b>Mesothelioma (ICD-10 only) +</b>	N/A	C45*
<b>Kaposi Sarcoma (ICD-10 only) +</b>	N/A	C46*
<b>Miscellaneous</b>	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
Septicemia	038	038	A40-A41
Other Infectious and Parasitic Diseases Including HIV 1987+	001-009, 020-037, 039-043, 045-065, 067-076, 078-089, 098-130.1, 130.3-136	001-009, 020-037, 039-088, 098-139	A00-A09, A20-A39, A42-A49, A54-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	O00-O95, O98-O99, A34
Congenital Anomalies	740-759	740-759	Q00-Q99
Certain Conditions Originating in 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*	X60-X84, Y87.0
Homicide and Legal Intervention	960-978*	960-978*	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-5

## ANNUAL POPULATIONS AVERAGED OVER 1998-2002

By State, Race and Sex

State	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Total U.S.	282,027,996	138,386,261	143,641,735	230,521,849	113,696,407	116,825,442	36,670,889	17,446,743	19,224,146
Alabama	4,446,356	2,146,764	2,299,592	3,215,336	1,573,786	1,641,550	1,170,589	543,607	626,981
Alaska	629,290	325,653	303,636	463,483	242,582	220,901	27,087	14,149	12,938
Arizona	5,162,348	2,576,849	2,585,499	4,578,515	2,286,669	2,291,847	184,190	96,058	88,132
Arkansas	2,670,956	1,303,240	1,367,717	2,198,663	1,080,089	1,118,574	429,166	202,274	226,892
California	34,004,360	16,954,960	17,049,400	26,853,386	13,475,621	13,377,764	2,525,780	1,238,883	1,286,898
Colorado	4,319,873	2,174,136	2,145,737	3,959,085	1,992,861	1,966,224	190,220	98,488	91,731
Connecticut	3,410,928	1,652,438	1,758,491	2,958,151	1,435,113	1,523,039	347,281	165,282	181,999
Delaware	785,249	381,457	403,792	607,803	297,066	310,737	155,989	74,005	81,984
Dist. of Columbia	569,765	268,376	301,389	198,496	99,636	98,859	351,613	159,845	191,768
Florida	16,068,136	7,844,685	8,223,451	13,186,415	6,458,375	6,728,040	2,496,448	1,201,943	1,294,505
Georgia	8,215,679	4,040,401	4,175,278	5,604,849	2,802,109	2,802,739	2,393,827	1,130,472	1,263,355
Hawaii	1,220,716	613,292	607,424	296,633	157,865	138,767	32,859	19,197	13,662
Idaho	1,298,409	650,474	647,935	1,255,468	629,055	626,413	7,421	4,272	3,149
Illinois	12,434,661	6,088,671	6,345,991	9,993,932	4,932,442	5,061,490	1,932,583	906,808	1,025,775
Indiana	6,083,753	2,983,542	3,100,211	5,464,409	2,685,383	2,779,026	532,492	255,100	277,392
Iowa	2,923,418	1,433,684	1,489,733	2,803,638	1,372,818	1,430,820	68,865	35,664	33,202
Kansas	2,688,760	1,328,825	1,359,935	2,438,293	1,203,511	1,234,782	167,457	84,218	83,238
Kentucky	4,041,848	1,975,274	2,066,573	3,690,506	1,803,999	1,886,506	308,552	150,346	158,206
Louisiana	4,462,513	2,160,537	2,301,976	2,907,677	1,425,357	1,482,321	1,466,530	690,884	775,646
Maine	1,276,563	621,253	655,310	1,249,828	607,953	641,875	8,502	4,851	3,651
Maryland	5,320,881	2,570,879	2,750,003	3,546,472	1,737,481	1,808,990	1,522,889	712,245	810,645
Massachusetts	6,354,586	3,063,111	3,291,475	5,646,471	2,720,070	2,926,401	426,827	205,382	221,444
Michigan	9,949,858	4,878,636	5,071,222	8,215,542	4,051,008	4,164,533	1,464,887	693,938	770,949
Minnesota	4,926,107	2,438,450	2,487,656	4,517,306	2,232,563	2,284,743	192,049	99,049	93,000
Mississippi	2,841,226	1,371,931	1,469,295	1,764,219	866,461	897,758	1,044,361	489,832	554,528

Source: NCI estimates based on Census Bureau population data.



Table A-5 - continued

ANNUAL POPULATIONS AVERAGED OVER 1998-2002

By State, Race and Sex

State	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	5,599,095	2,722,873	2,876,222	4,845,540	2,367,292	2,478,248	651,185	305,583	345,602
Montana	901,930	449,284	452,646	832,912	414,964	417,948	3,818	2,280	1,538
Nebraska	1,712,062	843,738	868,323	1,596,616	787,038	809,577	73,998	36,522	37,476
Nevada	2,013,620	1,025,626	987,994	1,722,303	883,096	839,207	149,859	75,988	73,870
New Hampshire	1,240,362	610,034	630,329	1,207,787	593,362	614,425	11,407	6,250	5,157
New Jersey	8,431,698	4,093,257	4,338,441	6,641,308	3,235,069	3,406,238	1,246,116	589,343	656,773
New Mexico	1,820,853	895,643	925,210	1,569,541	772,890	796,651	43,312	22,593	20,718
New York	18,969,022	9,151,220	9,817,802	14,243,220	6,924,085	7,319,135	3,440,836	1,589,598	1,851,238
North Carolina	8,067,443	3,949,934	4,117,509	6,046,743	2,993,787	3,052,956	1,786,163	840,932	945,232
North Dakota	640,616	319,843	320,772	599,670	299,336	300,334	4,756	2,809	1,948
Ohio	11,360,973	5,516,963	5,844,010	9,820,171	4,784,074	5,036,097	1,357,840	643,431	714,409
Oklahoma	3,450,644	1,696,444	1,754,200	2,804,400	1,379,065	1,425,335	280,834	138,298	142,536
Oregon	3,434,016	1,702,831	1,731,186	3,184,171	1,578,895	1,605,276	69,290	36,597	32,694
Pennsylvania	12,284,433	5,932,202	6,352,231	10,729,793	5,192,647	5,537,146	1,290,630	609,018	681,612
Rhode Island	1,049,908	504,627	545,282	951,219	456,155	495,065	64,272	31,810	32,462
South Carolina	4,016,127	1,950,125	2,066,002	2,751,986	1,356,943	1,395,043	1,207,400	565,590	641,810
South Dakota	754,151	374,045	380,106	679,008	336,385	342,623	5,887	3,660	2,227
Tennessee	5,689,405	2,769,496	2,919,909	4,655,890	2,281,101	2,374,789	952,213	448,329	503,884
Texas	20,948,518	10,401,735	10,546,783	17,670,476	8,806,779	8,863,697	2,495,014	1,205,024	1,289,989
Utah	2,242,190	1,123,606	1,118,584	2,125,440	1,064,426	1,061,013	23,085	12,938	10,147
Vermont	608,882	298,507	310,374	596,414	292,245	304,169	3,933	2,218	1,714
Virginia	7,097,294	3,481,256	3,616,038	5,340,071	2,639,594	2,700,477	1,442,440	689,706	752,734
Washington	5,916,598	2,946,069	2,970,529	5,187,690	2,585,978	2,601,712	230,597	122,560	108,037
West Virginia	1,808,253	879,187	929,066	1,733,410	841,693	891,717	60,879	30,580	30,299
Wisconsin	5,369,824	2,651,700	2,718,124	4,897,635	2,421,205	2,476,429	322,014	155,683	166,331
Wyoming	493,839	248,500	245,339	473,861	238,426	235,434	4,648	2,611	2,037

Source: NCI estimates based on Census Bureau population data.

Table A-6

ANNUAL POPULATIONS AVERAGED OVER 1998-2002

By SEER Registry, Race and Sex

Area	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
13 SEER areas <sup>a</sup>	39,445,647	19,496,918	19,948,729	30,038,281	14,972,027	15,066,254	4,416,594	2,100,748	2,315,846
11 SEER areas	38,696,774	19,113,889	19,582,884	29,509,537	14,697,267	14,812,270	4,335,667	2,061,635	2,274,032
9 SEER areas	26,767,374	13,180,963	13,586,412	20,567,282	10,200,791	10,366,490	3,243,999	1,545,413	1,698,586
San Francisco-Oakland SMSA	4,122,886	2,039,435	2,083,452	2,774,514	1,393,755	1,380,759	432,202	206,262	225,940
Connecticut	3,410,928	1,652,438	1,758,491	2,958,151	1,435,113	1,523,039	347,281	165,282	181,999
Metropolitan Detroit	4,048,342	1,961,951	2,086,390	2,881,200	1,417,388	1,463,813	1,034,962	478,797	556,165
Hawaii	1,220,716	613,292	607,424	296,633	157,865	138,767	32,859	19,197	13,662
Iowa	2,923,418	1,433,684	1,489,733	2,803,638	1,372,818	1,430,820	68,865	35,664	33,202
New Mexico	1,820,853	895,643	925,210	1,569,541	772,890	796,651	43,312	22,593	20,718
Seattle-Puget Sound	4,060,871	2,022,723	2,038,148	3,443,344	1,718,495	1,724,848	202,803	107,024	95,779
Utah	2,242,190	1,123,606	1,118,584	2,125,440	1,064,426	1,061,013	23,085	12,938	10,147
Metropolitan Atlanta	2,917,170	1,438,191	1,478,979	1,714,822	868,041	846,781	1,058,629	497,655	560,974
San Jose-Monterey	2,385,399	1,211,634	1,173,765	1,776,154	904,228	871,926	77,093	41,813	35,280
Los Angeles	9,544,000	4,721,292	4,822,707	7,166,101	3,592,247	3,573,854	1,014,575	474,409	540,166

Source: NCI estimates based on Census Bureau population data.

<sup>a</sup> 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.

Table A-7

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-8  
ALL SITES (Invasive)

SEER FOLLOW-UP RATES<sup>a</sup> FOR CASES DIAGNOSED 1975-2001  
By Registry, Sex, and Age

	Males				Females			
	All Ages	0-19	20-64	65+	All Ages	0-19	20-64	65+
<u>FOLLOWED INTO 2001</u>								
REGISTRY								
Standard 9 registries	99.08	92.89	98.37	99.73	98.25	91.21	96.99	99.56
San Francisco-Oakland	97.93	83.43	96.31	99.52	96.28	78.88	93.38	99.30
Connecticut	98.66	86.36	97.86	99.40	97.60	84.28	96.01	99.10
Metropolitan Detroit	99.34	96.07	98.76	99.83	98.31	94.96	97.02	99.59
Hawaii	99.66	96.78	99.61	99.77	99.48	96.92	99.35	99.72
Iowa	99.63	95.65	99.13	99.97	99.38	94.31	98.64	99.97
New Mexico	99.37	93.81	98.96	99.77	98.92	93.32	98.52	99.49
Seattle-Puget Sound	99.67	98.93	99.45	99.84	99.29	95.39	98.85	99.80
Utah	99.52	95.97	99.18	99.90	99.22	96.08	98.79	99.85
Metropolitan Atlanta	98.92	92.50	98.39	99.72	98.25	92.50	97.30	99.67
<u>FOLLOWED INTO 2002</u>								
REGISTRY								
Standard 9 registries	98.75	89.99	97.76	99.63	97.62	88.25	95.97	99.34
San Francisco-Oakland	97.40	80.19	95.44	99.31	95.19	74.92	91.78	98.75
Connecticut	98.40	81.69	97.47	99.30	97.01	79.75	95.03	98.90
Metropolitan Detroit	99.01	93.92	98.12	99.77	97.67	93.24	95.91	99.42
Hawaii	99.48	93.84	99.38	99.68	99.11	94.86	98.87	99.52
Iowa	99.35	93.84	98.41	99.95	98.97	91.82	97.72	99.94
New Mexico	98.66	89.78	97.45	99.65	97.63	88.39	96.45	99.10
Seattle-Puget Sound	99.48	96.33	99.15	99.79	98.94	92.50	98.34	99.67
Utah	99.07	93.98	98.50	99.69	98.77	94.31	98.17	99.67
Metropolitan Atlanta	98.67	89.14	98.04	99.66	97.87	89.84	96.76	99.58

<sup>a</sup> Represents the percentage of first primaries diagnosed 1975-2001 and followed into the specified year.