

Table A.1

Number of Incidence Cases, 2007-2011

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

Site	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	48,868	34,112	14,756	40,434	28,413	12,021	4,397	3,029	1,368
Esophagus	19,290	15,039	4,251	16,158	12,822	3,336	2,091	1,452	639
Stomach	32,063	19,471	12,592	22,783	14,287	8,496	4,490	2,516	1,974
Colon & Rectum	188,874	97,463	91,411	148,953	77,360	71,593	22,418	11,020	11,398
Colon	133,670	65,963	67,707	105,901	52,599	53,302	16,446	7,806	8,640
Rectum	55,204	31,500	23,704	43,052	24,761	18,291	5,972	3,214	2,758
Liver & IBD <sup>a</sup>	35,695	25,806	9,889	25,041	18,189	6,852	4,464	3,310	1,154
Pancreas	52,863	26,643	26,220	42,486	21,634	20,852	6,279	3,001	3,278
Larynx	14,687	11,785	2,902	11,889	9,532	2,357	2,149	1,705	444
Lung & Bronchus	256,086	135,278	120,808	212,649	110,765	101,884	27,756	15,663	12,093
Melanoma of the skin	92,417	54,002	38,415	86,490	50,886	35,604	422	184	238
Breast	294,775	2,378	292,397	237,749	1,922	235,827	31,486	308	31,178
Cervix uteri	17,223	-	17,223	12,947	-	12,947	2,427	-	2,427
Corpus & Uterus, NOS	59,311	-	59,311	48,058	-	48,058	5,817	-	5,817
Ovary <sup>b</sup>	29,010	-	29,010	24,131	-	24,131	2,414	-	2,414
Prostate	297,322	297,322	-	228,745	228,745	-	42,032	42,032	-
Testis	11,801	11,801	-	10,628	10,628	-	348	348	-
Urinary bladder	86,940	65,803	21,137	77,252	58,879	18,373	4,826	3,278	1,548
Kidney & Renal pelvis	67,743	42,572	25,171	55,463	35,032	20,431	7,923	4,796	3,127
Brain & ONS <sup>a</sup>	27,816	15,521	12,295	24,056	13,522	10,534	1,958	1,005	953
Thyroid	55,834	13,363	42,471	45,570	11,304	34,266	3,685	682	3,003
Hodgkin lymphoma	11,757	6,445	5,312	9,605	5,282	4,323	1,415	768	647
Non-Hodgkin lymphoma	84,593	46,103	38,490	71,005	38,784	32,221	6,424	3,482	2,942
Myeloma	26,346	14,686	11,660	19,467	11,181	8,286	5,029	2,518	2,511
Leukemia	55,604	31,922	23,682	46,606	26,928	19,678	4,313	2,353	1,960
Acute lymphocytic	7,190	4,003	3,187	5,996	3,319	2,677	542	321	221
Chronic lymphocytic	18,934	11,320	7,614	16,378	9,796	6,582	1,150	674	476
Acute myeloid	16,173	8,700	7,473	13,291	7,271	6,020	1,410	691	719
Chronic myeloid	7,113	4,213	2,900	5,726	3,420	2,306	699	368	331
All others	6,194	3,686	2,508	5,215	3,122	2,093	512	299	213
Kaposi Sarcoma	2,258	2,037	221	1,529	1,370	159	545	500	45
Mesothelioma	4,267	3,278	989	3,910	3,021	889	207	150	57
All Sites	2,001,481	1,033,837	967,644	1,628,476	840,730	787,746	208,379	110,040	98,339

Source: SEER 18 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, New Jersey and Georgia excluding ATL/RG).

<sup>a</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

<sup>b</sup> 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, 2007-2011

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

Site	Asian/Pacific Islander			American Indian/Alaska Native <sup>a</sup>			Hispanic <sup>b</sup>		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	3,079	2,014	1,065	211	152	59	3,656	2,457	1,199
Esophagus	836	625	211	79	53	26	1,380	1,106	274
Stomach	4,309	2,383	1,926	224	129	95	5,510	3,191	2,319
Colon & Rectum	14,426	7,422	7,004	958	503	455	18,374	9,960	8,414
Colon	9,398	4,560	4,838	643	314	329	12,329	6,381	5,948
Rectum	5,028	2,862	2,166	315	189	126	6,045	3,579	2,466
Liver & IBD <sup>c</sup>	5,561	3,854	1,707	347	244	103	6,467	4,677	1,790
Pancreas	3,590	1,737	1,853	247	133	114	5,092	2,523	2,569
Larynx	460	392	68	59	46	-	1,138	986	152
Lung & Bronchus	13,808	7,834	5,974	881	460	421	13,912	7,448	6,464
Melanoma of the skin	526	268	258	109	50	59	2,654	1,155	1,499
Breast	21,673	119	21,554	1,162	-	1,155	29,046	150	28,896
Cervix uteri	1,474	-	1,474	125	-	125	3,759	-	3,759
Corpus & Uterus, NOS	4,524	-	4,524	307	-	307	6,264	-	6,264
Ovary <sup>d</sup>	2,127	-	2,127	136	-	136	3,478	-	3,478
Prostate	13,327	13,327	-	725	725	-	25,814	25,814	-
Testis	431	431	-	84	84	-	2,634	2,634	-
Urinary bladder	3,208	2,395	813	170	141	29	4,964	3,667	1,297
Kidney & Renal pelvis	3,246	2,040	1,206	493	296	197	8,389	5,038	3,351
Brain & ONS <sup>c</sup>	1,433	790	643	109	63	46	3,568	1,961	1,607
Thyroid	5,442	1,126	4,316	237	51	186	8,096	1,501	6,595
Hodgkin lymphoma	555	300	255	33	16	17	1,903	1,039	864
Non-Hodgkin lymphoma	5,220	2,780	2,440	302	161	141	9,591	5,176	4,415
Myeloma	1,400	743	657	88	45	43	2,785	1,506	1,279
Leukemia	2,970	1,644	1,326	211	110	101	7,003	3,891	3,112
Acute lymphocytic	517	288	229	49	27	22	2,550	1,399	1,151
Chronic lymphocytic	404	255	149	32	21	-	932	529	403
Acute myeloid	1,267	633	634	70	35	35	1,975	1,031	944
Chronic myeloid	464	303	161	37	-	23	864	530	334
All others	318	165	153	23	-	-	682	402	280
Kaposi Sarcoma	76	73	-	-	-	-	514	460	54
Mesothelioma	122	85	37	-	-	-	397	292	105
All Sites	121,493	55,972	65,521	7,934	3,774	4,160	190,832	93,360	97,472

Source: SEER 18 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, New Jersey and Georgia excluding ATL/RG).

<sup>a</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

<sup>b</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.

<sup>c</sup> Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

<sup>d</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

<sup>e</sup> 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, 2007-2011

By Primary Cancer Site, Race and Sex  
18 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	0.09	0.05	0.06	0.10	0.06	0.15	0.29	0.15
Esophagus	0.03	0.06	0.03	0.04	0.07	0.03	0.11	0.22	0.11
Stomach	0.04	0.08	0.05	0.04	0.08	0.05	0.17	0.33	0.19
Colon & Rectum	0.10	0.17	0.13	0.11	0.18	0.14	0.37	0.64	0.45
Colon	0.09	0.14	0.11	0.09	0.15	0.12	0.32	0.56	0.40
Rectum	0.05	0.09	0.07	0.06	0.10	0.07	0.18	0.32	0.22
Liver & IBD <sup>a</sup>	0.04	0.08	0.04	0.04	0.08	0.04	0.15	0.29	0.14
Pancreas	0.05	0.09	0.07	0.06	0.10	0.08	0.20	0.34	0.25
Larynx	0.03	0.06	0.02	0.03	0.06	0.03	0.11	0.23	0.08
Lung & Bronchus	0.12	0.20	0.15	0.14	0.22	0.17	0.42	0.80	0.48
Melanoma of the skin	0.07	0.12	0.09	0.09	0.15	0.11	0.05	0.08	0.07
Breast	0.13	0.03	0.23	0.14	0.03	0.27	0.41	0.11	0.71
Cervix uteri	0.03	-	0.06	0.04	-	0.07	0.11	-	0.19
Corpus & Uterus, NOS	0.05	-	0.10	0.06	-	0.12	0.18	-	0.31
Ovary <sup>b</sup>	0.04	-	0.07	0.05	-	0.08	0.12	-	0.20
Prostate	0.12	0.28	-	0.14	0.30	-	0.48	1.17	-
Testis	0.03	0.05	-	0.03	0.06	-	0.04	0.08	-
Urinary bladder	0.07	0.14	0.06	0.08	0.16	0.07	0.19	0.40	0.18
Kidney & Renal pelvis	0.06	0.11	0.07	0.07	0.12	0.08	0.21	0.38	0.23
Brain & ONS <sup>a</sup>	0.04	0.06	0.05	0.05	0.07	0.06	0.10	0.16	0.12
Thyroid	0.06	0.06	0.09	0.06	0.07	0.11	0.13	0.13	0.21
Hodgkin lymphoma	0.03	0.04	0.03	0.03	0.05	0.04	0.07	0.12	0.09
Non-Hodgkin lymphoma	0.07	0.11	0.08	0.08	0.13	0.10	0.19	0.32	0.22
Myeloma	0.04	0.07	0.05	0.04	0.07	0.05	0.18	0.32	0.21
Leukemia	0.06	0.10	0.07	0.06	0.11	0.08	0.16	0.29	0.19
Acute lymphocytic	0.02	0.03	0.03	0.02	0.04	0.03	0.04	0.07	0.05
Chronic lymphocytic	0.03	0.06	0.04	0.04	0.07	0.04	0.09	0.18	0.10
Acute myeloid	0.03	0.05	0.04	0.03	0.06	0.04	0.09	0.16	0.11
Chronic myeloid	0.02	0.03	0.02	0.02	0.04	0.03	0.06	0.11	0.07
All others	0.02	0.03	0.02	0.02	0.04	0.02	0.06	0.11	0.06
Kaposi Sarcoma	0.01	0.02	0.01	0.01	0.02	0.01	0.05	0.10	0.03
Mesothelioma	0.02	0.03	0.01	0.02	0.04	0.02	0.04	0.09	0.03
All Sites	0.33	0.53	0.42	0.37	0.59	0.49	1.09	1.95	1.30

Source: SEER 18 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, New Jersey and Georgia excluding ATL/RG).

<sup>a</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

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18 SEER Geographic Areas

Site	Asian/Pacific Islander			American Indian/Alaska Native <sup>a</sup>			Hispanic <sup>b</sup>		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.14	0.25	0.15	0.59	1.13	0.60	0.12	0.22	0.12
Esophagus	0.08	0.15	0.07	0.38	0.73	0.39	0.08	0.17	0.07
Stomach	0.18	0.32	0.21	0.69	1.27	0.78	0.16	0.29	0.18
Colon & Rectum	0.31	0.52	0.39	1.38	2.24	1.75	0.29	0.49	0.35
Colon	0.26	0.42	0.33	1.17	1.88	1.52	0.24	0.40	0.30
Rectum	0.18	0.31	0.21	0.73	1.22	0.86	0.15	0.27	0.18
Liver & IBD <sup>c</sup>	0.19	0.36	0.20	0.79	1.48	0.83	0.16	0.30	0.17
Pancreas	0.16	0.27	0.21	0.72	1.20	0.89	0.16	0.26	0.21
Larynx	0.06	0.12	0.04	0.33	0.69	-	0.07	0.16	0.05
Lung & Bronchus	0.32	0.57	0.37	1.46	2.52	1.77	0.28	0.49	0.33
Melanoma of the skin	0.06	0.10	0.07	0.40	0.64	0.54	0.10	0.16	0.12
Breast	0.36	0.06	0.64	1.33	-	2.42	0.31	0.06	0.56
Cervix uteri	0.09	-	0.17	0.36	-	0.69	0.09	-	0.17
Corpus & Uterus, NOS	0.16	-	0.29	0.64	-	1.18	0.14	-	0.26
Ovary <sup>d</sup>	0.11	-	0.20	0.49	-	0.88	0.11	-	0.19
Prostate	0.30	0.71	-	1.24	2.89	-	0.35	0.81	-
Testis	0.05	0.09	-	0.25	0.51	-	0.05	0.10	-
Urinary bladder	0.16	0.33	0.14	0.66	1.43	0.50	0.17	0.35	0.15
Kidney & Renal pelvis	0.15	0.26	0.16	0.93	1.62	1.09	0.18	0.31	0.20
Brain & ONS <sup>c</sup>	0.09	0.15	0.12	0.34	0.52	0.44	0.10	0.15	0.12
Thyroid	0.17	0.18	0.28	0.53	0.50	0.90	0.13	0.13	0.22
Hodgkin lymphoma	0.05	0.09	0.07	0.19	0.23	0.27	0.06	0.10	0.08
Non-Hodgkin lymphoma	0.19	0.32	0.23	0.75	1.24	0.94	0.20	0.32	0.24
Myeloma	0.10	0.17	0.12	0.44	0.71	0.56	0.11	0.19	0.14
Leukemia	0.14	0.24	0.17	0.56	0.97	0.69	0.14	0.24	0.17
Acute lymphocytic	0.06	0.09	0.07	0.18	0.27	0.24	0.05	0.08	0.07
Chronic lymphocytic	0.05	0.10	0.06	0.26	0.51	-	0.07	0.13	0.08
Acute myeloid	0.09	0.15	0.12	0.34	0.53	0.46	0.08	0.14	0.10
Chronic myeloid	0.05	0.10	0.06	0.21	-	0.28	0.05	0.09	0.06
All others	0.05	0.08	0.06	0.23	-	-	0.05	0.09	0.06
Kaposi Sarcoma	0.02	0.04	-	-	-	-	0.04	0.07	0.03
Mesothelioma	0.03	0.06	0.03	-	-	-	0.05	0.10	0.04
All Sites	0.90	1.44	1.16	3.85	6.30	4.91	0.87	1.47	1.08

Source: SEER 18 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, New Jersey and Georgia excluding ATL/RG).

<sup>a</sup> Incidence data for American Indian/Alaska Native are based on the CHSDA (Contract Health Service Delivery Area) counties.

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<sup>d</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

- 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, 2007-2011

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	41,139	28,408	12,731	34,424	23,568	10,856	5,166	3,805	1,361
Esophagus	70,150	55,556	14,594	61,721	49,398	12,323	7,032	5,093	1,939
Stomach	56,349	33,404	22,945	42,096	25,099	16,997	9,994	5,890	4,104
Colon & Rectum	261,752	134,620	127,132	219,016	112,995	106,021	34,448	17,384	17,064
Liver & IBD <sup>a</sup>	96,623	64,963	31,660	76,116	50,743	25,373	13,323	9,363	3,960
Pancreas	179,211	90,097	89,114	152,732	77,572	75,160	21,083	9,911	11,172
Larynx	18,447	14,605	3,842	14,917	11,734	3,183	3,198	2,587	611
Lung & Bronchus	790,557	438,998	351,559	689,305	379,487	309,818	82,315	48,579	33,736
Melanoma of the skin	44,565	29,173	15,392	43,580	28,690	14,890	660	304	356
Breast	205,880	2,090	203,790	170,483	1,721	168,762	30,054	332	29,722
Cervix uteri	19,969	-	19,969	15,011	-	15,011	4,031	-	4,031
Corpus & Uterus, NOS	39,887	-	39,887	31,726	-	31,726	6,964	-	6,964
Ovary	72,337	-	72,337	64,002	-	64,002	6,192	-	6,192
Prostate	142,182	142,182	-	115,705	115,705	-	23,800	23,800	-
Testis	1,839	1,839	-	1,688	1,688	-	101	101	-
Urinary bladder	71,824	50,499	21,325	65,486	46,801	18,685	5,192	2,910	2,282
Kidney & Renal pelvis	65,371	41,559	23,812	57,422	36,669	20,753	6,159	3,720	2,439
Brain & ONS <sup>a</sup>	69,789	38,964	30,825	63,871	35,820	28,051	4,286	2,244	2,042
Thyroid	8,351	3,622	4,729	7,099	3,197	3,902	762	252	510
Hodgkin lymphoma	6,091	3,437	2,654	5,342	3,006	2,336	632	357	275
Non-Hodgkin lymphoma	101,896	55,523	46,373	91,868	50,053	41,815	7,172	3,933	3,239
Myeloma	54,601	29,517	25,084	43,883	24,184	19,699	9,436	4,624	4,812
Leukemia	112,914	64,341	48,573	100,468	57,647	42,821	9,467	5,056	4,411
Acute lymphocytic	7,133	4,004	3,129	6,246	3,495	2,751	595	348	247
Chronic lymphocytic	22,517	13,452	9,065	20,461	12,221	8,240	1,852	1,096	756
Acute myeloid	45,394	25,623	19,771	40,375	23,051	17,324	3,472	1,756	1,716
Chronic myeloid	5,097	2,864	2,233	4,378	2,459	1,919	566	318	248
All others	32,773	18,398	14,375	29,008	16,421	12,587	2,982	1,538	1,444
All Sites	2,847,364	1,488,124	1,359,240	2,440,835	1,278,795	1,162,040	325,388	167,469	157,919

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

<sup>a</sup> IBD = Intrahepatic Bile Duct. ONS = Other Nervous System.

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## Number of Deaths, 2007-2011

By Primary Cancer Site, Race and Sex  
United States

Site	Asian/Pacific Islander			American Indian/Alaska Native <sup>a</sup>			Hispanic <sup>b</sup>		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	1,316	877	439	154	106	48	1,945	1,410	535
Esophagus	1,100	832	268	211	160	51	2,891	2,350	541
Stomach	3,843	2,160	1,683	333	201	132	7,176	4,095	3,081
Colon & Rectum	6,832	3,489	3,343	1,065	541	524	15,166	8,427	6,739
Liver & IBD <sup>c</sup>	6,347	4,291	2,056	610	411	199	11,136	7,500	3,636
Pancreas	4,651	2,226	2,425	547	277	270	10,238	5,173	5,065
Larynx	234	205	29	64	51	-	995	869	126
Lung & Bronchus	15,298	8,907	6,391	2,397	1,308	1,089	24,234	14,985	9,249
Melanoma of the skin	228	120	108	73	47	26	1,038	608	430
Breast	4,490	29	4,461	578	-	571	11,229	79	11,150
Cervix uteri	737	-	737	142	-	142	2,378	-	2,378
Corpus & Uterus, NOS	1,034	-	1,034	121	-	121	2,483	-	2,483
Ovary	1,798	-	1,798	242	-	242	4,087	-	4,087
Prostate	2,082	2,082	-	407	407	-	7,415	7,415	-
Testis	33	33	-	-	-	-	358	358	-
Urinary bladder	938	646	292	138	98	40	2,520	1,725	795
Kidney & Renal pelvis	1,261	827	434	420	273	147	4,473	2,859	1,614
Brain & ONS <sup>c</sup>	1,348	749	599	199	107	92	4,371	2,432	1,939
Thyroid	451	153	298	29	-	16	726	289	437
Hodgkin lymphoma	101	60	41	-	-	-	630	370	260
Non-Hodgkin lymphoma	2,492	1,332	1,160	270	148	122	6,429	3,504	2,925
Myeloma	1,043	579	464	165	89	76	3,337	1,786	1,551
Leukemia	2,551	1,397	1,154	304	175	129	6,999	3,856	3,143
Acute lymphocytic	240	137	103	39	17	22	1,504	810	694
Chronic lymphocytic	147	98	49	37	26	-	518	291	227
Acute myeloid	1,358	709	649	131	76	55	2,637	1,427	1,210
Chronic myeloid	131	71	60	18	-	-	358	211	147
All others	675	382	293	79	43	36	1,982	1,117	865
All Sites	67,371	34,608	32,763	9,743	5,081	4,662	149,944	79,181	70,763

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

<sup>a</sup> Mortality data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.<sup>b</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.<sup>c</sup> 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, 2007-2011  
By Primary Cancer Site, Race and Sex  
United States

Site	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.01	0.02	0.01	0.01	0.02	0.01	0.04	0.09	0.04
Esophagus	0.02	0.03	0.01	0.02	0.04	0.01	0.05	0.11	0.05
Stomach	0.01	0.03	0.02	0.01	0.03	0.02	0.07	0.13	0.07
Colon & Rectum	0.03	0.05	0.04	0.03	0.06	0.04	0.12	0.23	0.14
Liver & IBD <sup>a</sup>	0.02	0.03	0.02	0.02	0.04	0.02	0.07	0.13	0.07
Pancreas	0.03	0.04	0.03	0.03	0.05	0.03	0.10	0.16	0.12
Larynx	0.01	0.02	0.01	0.01	0.02	0.01	0.03	0.08	0.03
Lung & Bronchus	0.05	0.09	0.07	0.06	0.10	0.07	0.19	0.37	0.20
Melanoma of the skin	0.01	0.02	0.01	0.02	0.03	0.02	0.02	0.03	0.02
Breast	0.03	0.01	0.05	0.03	0.01	0.05	0.11	0.03	0.18
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	-	0.09
Ovary	0.02	-	0.03	0.02	-	0.03	0.05	-	0.09
Prostate	0.02	0.06	-	0.02	0.06	-	0.11	0.33	-
Testis	0.00	0.01	-	0.00	0.01	-	0.01	0.01	-
Urinary bladder	0.02	0.03	0.02	0.02	0.04	0.02	0.05	0.11	0.05
Kidney & Renal pelvis	0.02	0.03	0.02	0.02	0.03	0.02	0.05	0.10	0.05
Brain & ONS <sup>a</sup>	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	0.02
Hodgkin lymphoma	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Non-Hodgkin lymphoma	0.02	0.03	0.02	0.02	0.04	0.03	0.05	0.10	0.06
Myeloma	0.01	0.03	0.02	0.02	0.03	0.02	0.07	0.12	0.08
Leukemia	0.02	0.04	0.02	0.02	0.04	0.03	0.06	0.12	0.07
Acute lymphocytic	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
Chronic lymphocytic	0.01	0.02	0.01	0.01	0.02	0.01	0.03	0.06	0.03
Acute myeloid	0.01	0.02	0.02	0.01	0.03	0.02	0.04	0.07	0.05
Chronic myeloid	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.03	0.02
All others	0.01	0.02	0.01	0.01	0.02	0.01	0.04	0.07	0.04
All Sites	0.10	0.18	0.13	0.11	0.19	0.14	0.37	0.71	0.43

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

<sup>a</sup> 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, 2007-2011

By Primary Cancer Site, Race and Sex  
United States

Site	Asian/Pacific Islander			American Indian/Alaska Native <sup>a</sup>			Hispanic <sup>b</sup>		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.06	0.10	0.06	0.20	0.37	0.21	0.04	0.07	0.03
Esophagus	0.05	0.11	0.05	0.25	0.50	0.22	0.05	0.10	0.04
Stomach	0.10	0.19	0.12	0.31	0.55	0.35	0.07	0.13	0.08
Colon & Rectum	0.14	0.23	0.17	0.57	0.93	0.72	0.11	0.19	0.12
Liver & IBD <sup>c</sup>	0.13	0.23	0.14	0.41	0.76	0.45	0.09	0.16	0.09
Pancreas	0.12	0.19	0.15	0.41	0.66	0.51	0.09	0.15	0.11
Larynx	0.03	0.06	0.02	0.13	0.28	-	0.03	0.06	0.02
Lung & Bronchus	0.21	0.39	0.24	0.87	1.52	1.03	0.14	0.27	0.15
Melanoma of the skin	0.02	0.04	0.03	0.14	0.27	0.14	0.03	0.05	0.03
Breast	0.10	0.02	0.17	0.39	-	0.67	0.08	0.02	0.14
Cervix uteri	0.04	-	0.07	0.17	-	0.30	0.03	-	0.06
Corpus & Uterus, NOS	0.05	-	0.09	0.18	-	0.32	0.04	-	0.07
Ovary	0.06	-	0.11	0.27	-	0.46	0.05	-	0.09
Prostate	0.09	0.22	-	0.44	1.14	-	0.09	0.22	-
Testis	0.01	0.01	-	-	-	-	0.01	0.02	-
Urinary bladder	0.06	0.12	0.05	0.23	0.49	0.21	0.05	0.10	0.05
Kidney & Renal pelvis	0.06	0.11	0.06	0.35	0.63	0.38	0.06	0.10	0.06
Brain & ONS <sup>c</sup>	0.05	0.09	0.06	0.20	0.32	0.25	0.05	0.08	0.06
Thyroid	0.04	0.05	0.05	0.11	-	0.14	0.02	0.03	0.03
Hodgkin lymphoma	0.02	0.03	0.02	-	-	-	0.02	0.03	0.02
Non-Hodgkin lymphoma	0.09	0.15	0.10	0.30	0.47	0.37	0.07	0.12	0.08
Myeloma	0.06	0.10	0.06	0.23	0.40	0.27	0.05	0.09	0.06
Leukemia	0.08	0.14	0.10	0.30	0.57	0.33	0.06	0.11	0.07
Acute lymphocytic	0.02	0.04	0.03	0.06	0.07	0.09	0.02	0.03	0.03
Chronic lymphocytic	0.02	0.04	0.02	0.13	0.28	-	0.02	0.04	0.03
Acute myeloid	0.06	0.10	0.07	0.19	0.36	0.22	0.04	0.07	0.05
Chronic myeloid	0.02	0.03	0.02	0.08	-	-	0.01	0.03	0.02
All others	0.04	0.08	0.05	0.16	0.31	0.18	0.04	0.07	0.04
All Sites	0.43	0.74	0.52	1.72	2.99	2.08	0.33	0.58	0.39

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

<sup>a</sup> Mortality data for American Indian/Alaska Native are based on the CHSDA(Contract Health Service Delivery Area) counties.<sup>b</sup> Hispanic is not mutually exclusive from whites, blacks, Asian/Pacific Islanders, and American Indians/Alaska Natives.<sup>c</sup> 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/WHO 2008 Definition<sup>ab</sup>

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 9050-9055, 9140, 9590-9992	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 9050-9055, 9140, 9590-9992	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 9050-9055, 9140, 9590-9992	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 9050-9055, 9140, 9590-9992	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 9050-9055, 9140, 9590-9992	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 9050-9055, 9140, 9590-9992	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 9050-9055, 9140, 9590-9992	23000
<b>Soft Tissue including Heart</b>	C380, C470-C479, C490-C499	excluding 9050-9055, 9140, 9590-9992	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, 8010-8046, 8050-8084, 8090-8110, 8720-8790, 9050-9055, 9140, 9590-9992	25020
<b>Breast</b>	C500-C509	excluding 9050-9055, 9140, 9590-9992	26000
<b>Female Genital System</b>			
Cervix Uteri	C530-C539		27010
Corpus and Uterus, NOS			
Corpus Uteri	C540-C549		27020
Uterus, NOS	C559	excluding 9050-9055, 9140, 9590-9992	27030
Ovary	C569		27040
Vagina	C529		27050
Vulva	C510-C519		27060
Other Female Genital Organs	C570-C589		27070

<sup>a</sup> This table was updated for Hematopoietic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).

<sup>b</sup> Subject to change based on evolving ICD-O-3 coding rules.

Table A.5 - continued

SEER Site Recode ICD-O-3/WHO 2008 Definition<sup>ab</sup>

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode
<b>Male Genital System</b>			
Prostate	C619		28010
Testis	C620-C629	excluding 9050-9055, 9140,	28020
Penis	C600-C609	9590-9992	28030
Other Male Genital Organs	C630-C639		28040
<b>Urinary System</b>			
Urinary Bladder	C670-C679		29010
Kidney and Renal Pelvis	C649, C659	excluding 9050-9055, 9140,	29020
Ureter	C669	9590-9992	29030
Other Urinary Organs	C680-C689		29040
<b>Eye and Orbit</b>	C690-C699	excluding 9050-9055, 9140,	30000
		9590-9992	
<b>Brain and Other Nervous System</b>			
Brain	C710-C719	excluding 9050-9055, 9140,	31010
		9530-9539, 9590-9992	
Cranial Nerves Other	C710-C719	9530-9539	31040
Nervous System	C700-C709, C720-C729	excluding 9050-9055, 9140,	
		9590-9992	
<b>Endocrine System</b>			
Thyroid	C739	excluding 9050-9055, 9140,	32010
Other Endocrine including Thymus	C379, C740-C749, C750-C759	9590-9992	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	9590-9597, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687-9691, 9695, 9698-9702, 9705, 9708-9709, 9712, 9714-9719, 9724-9729, 9735, 9737- 9738, 9811-9818, 9823, 9827, 9837	33041
NHL - Extranodal	All sites except C024, C098- C099, C111, C142, C379, C422, C770-C779	9590-9597, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687-9691, 9695, 9698-9702, 9705, 9708-9709, 9712, 9714-9719, 9724-9729, 9735, 9737-9738	33042
	All sites except C024, C098- C099, C111, C142, C379, C420-C422, C424, C770-C779	9811-9818, 9823, 9827, 9837	
<b>Myeloma</b>		9731-9732, 9734	34000
<b>Leukemia</b>			
<b>Lymphocytic Leukemia</b>			
Acute Lymphocytic Leukemia		9826, 9835-9836	35011
	C420-C421, C424	9811-9818, 9837	
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, 9865-9867, 9869, 9871- 9874, 9895-9898, 9910-9911, 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, 9805-9809, 9931	35041
Aleukemic, Subleukemic and NOS		9733, 9742, 9800, 9831, 9870, 9948, 9963-9964	35043
	C420, C421, C424	9827	
<b>Mesothelioma</b>		9050-9055	36010
<b>Kaposi Sarcoma</b>		9140	36020
<b>Miscellaneous</b>			
		9740-9741, 9750-9769, 9950, 9960-9962, 9970-9971, 9975, 9980, 9982-9987, 9989, 9991-9992	37000
	C760-C768, C809	excluding 9050-9055, 9140,	
	C420-C424	9590-9992	
	C770-C779		
<b>Invalid</b>	Site or histology code not within valid range or site code not found in this table		99999

<sup>a</sup> This table was updated for Hematopoietic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).

<sup>b</sup> Subject to change based on evolving ICD-O-3 coding rules.

Table A.6

International Classification of Childhood Cancer (ICCC)<sup>a</sup> Recode ICD-O-3/WHO 2008<sup>bc</sup>

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)
<b>I. Leukemias, myeloproliferative diseases, and myelodysplastic diseases</b>		
a. Lymphoid leukemias	C000-C809 C420-C421, C424	9820, 9826, 9831-9836, 9940, 9948 9811-9818, 9823, 9827, 9837
b. Acute myeloid leukemias	C000-C809	9840, 9861, 9865-9867, 9869-9874, 9891, 9895-9898, 9910-9911, 9920, 9931
c. Chronic myeloproliferative diseases	C000-C809	9863, 9875-9876, 9950, 9960-9964
d. Myelodysplastic syndrome and other myeloproliferative diseases	C000-C809	9945-9946, 9975, 9980, 9982-9987, 9989, 9991-9992
e. Unspecified and other specified leukemias	C000-C809	9800-9801, 9805-9809, 9860, 9930, 9965-9967, 9971
<b>II. Lymphomas and reticuloendothelial neoplasms</b>		
a. Hodgkin lymphomas	C000-C809	9650-9655, 9659, 9661-9665, 9667
b. Non-Hodgkin lymphomas (except Burkitt lymphoma)	C000-C809  C000-C419, C422-C423, C425-C809	9591, 9597, 9670-9671, 9673, 9675, 9678-9680, 9684, 9688-9691, 9695, 9698-9699, 9700-9702, 9705, 9708-9709, 9712, 9714, 9716-9719, 9724-9729, 9731-9735, 9737-9738, 9760-9762, 9764-9769, 9970 9811-9818, 9823, 9827, 9837
c. Burkitt lymphoma	C000-C809	9687
d. Miscellaneous lymphoreticular neoplasms	C000-C809	9740-9742, 9750, 9754-9758
e. Unspecified lymphomas	C000-C809	9590, 9596
<b>III. CNS and miscellaneous intracranial and intraspinal neoplasms</b>		
a. Ependymomas and choroid plexus tumor	C000-C809	9383, 9390-9394 <sup>d</sup>
b. Astrocytomas	C723 C000-C809	9380 <sup>d</sup> 9384, 9400-9411, 9420-9424, 9440-9442 <sup>d</sup>
c. Intracranial and intraspinal embryonal tumors	C000-C809 C700-C729	9470-9474, 9480, 9508 <sup>d</sup> 9501-9504 <sup>d</sup>
d. Other gliomas	C700-C722, C724-C729, C751, C753 C000-C809	9380 <sup>d</sup> 9381-9382, 9430, 9444, 9450, 9451, 9460 <sup>d</sup>
e. Other specified intracranial and intraspinal neoplasms	C000-C809	8270-8281, 8300, 9350-9352, 9360-9362, 9412, 9413, 9492-9493, 9505-9507, 9530-9539, 9582 <sup>d</sup>
f. Unspecified intracranial and intraspinal neoplasms	C700-C729, C751-C753	8000-8005 <sup>d</sup>
<b>IV. Neuroblastoma and other peripheral nervous cell tumors</b>		
a. Neuroblastoma and ganglioneuroblastoma	C000-C809	9490, 9500
b. Other peripheral nervous cell tumors	C000-C809 C000-C699, C739-C768, C809	8680-8683, 8690-8693, 8700, 9520-9523 9501-9504
<b>V. Retinoblastoma</b>	C000-C809	9510-9514
<b>VI. Renal tumors</b>		
a. Nephroblastoma and other nonepithelial renal tumors	C649 C000-C809	8963, 9364 8959, 8960, 8964-8967
b. Renal carcinomas	C649  C000-C809	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
c. Unspecified malignant renal tumors	C649	8000-8005
<b>VII. Hepatic tumors</b>		
a. Hepatoblastoma	C000-C809	8970
b. Hepatic carcinomas	C220, C221  C000-C809	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
c. Unspecified malignant hepatic tumors	C220, C221	8000-8005

<sup>a</sup> International Classification of Childhood Cancer is based on ICD-O-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.

<sup>b</sup> This table was updated for Hematopoietic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).

<sup>c</sup> Subject to change based on evolving ICD-O-3 coding rules.

<sup>d</sup> 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)<sup>a</sup> Recode ICD-O-3/WHO 2008<sup>bc</sup>

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)
<b>VIII. Malignant bone tumors</b>		
a. Osteosarcomas	C400-C419, C760-C768, C809	9180-9187, 9191-9195, 9200
b. Chondrosarcomas	C400-C419, C760-C768, C809	9210, 9220, 9240
	C000-C809	9221, 9230, 9241-9243
c. Ewing tumor and related sarcomas of bone	C400-C419, C760-C768, C809	9260
	C400-C419	9363-9365
d. Other specified malignant bone tumors	C400-C419	8810-8811, 8823, 8830
	C000-C809	8812, 9250, 9261-9262, 9270-9275, 9280-9282, 9290, 9300-9302, 9310-9312, 9320-9322, 9330, 9340-9342, 9370-9372
e. Unspecified malignant bone tumors	C400-C419	8000-8005, 8800, 8801, 8803-8805
<b>IX. Soft tissue and other extraosseous sarcomas</b>		
a. Rhabdomyosarcomas	C000-C809	8900-8905, 8910, 8912, 8920, 8991
b. Fibrosarcomas, peripheral nerve sheath tumors, and other fibrous neoplasms	C000-C399, C440-C768, C809	8810-8811, 8813-8815, 8821, 8823, 8834-8835
	C000-C809	8820, 8822, 8824-8827, 9150, 9160, 9491, 9540-9571, 9580
c. Kaposi sarcoma	C000-C809	9140
d. Other specified soft tissue sarcomas	C000-C809	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
	C000-C399, C440-C768, C809	8830
	C000-C639, C659-C699, C739-C768, C809	8963
	C490-C499	9180, 9210, 9220, 9240
	C000-C399, C470-C759	9260
	C000-C399, C470-C639, C659-C699, C739-C768, C809	9364
	C000-C399, C470-C639, C659-C768, C809	9365
e. Unspecified soft tissue sarcomas	C000-C399, C440-C768, C809	8800-8805
<b>X. Germ cell tumors, trophoblastic tumors, and neoplasms of gonads</b>		
a. Intracranial and intraspinal germ cell tumors	C700-C729, C751-C753	9060-9065, 9070-9072, 9080-9085, 9100, 9101 <sup>d</sup>
b. Malignant extracranial and extragonadal germ cell tumors	C000-C559, C570-C619, C630-C699, C739-C750, C754-C768, C809	9060-9065, 9070-9072, 9080-9085, 9100-9105
c. Malignant gonadal germ cell tumors	C569, C620-C629	9060-9065, 9070-9073, 9080-9085, 9090, 9091, 9100, 9101
d. Gonadal carcinomas	C569, C620-C629	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
	C000-C809	8441-8444, 8450-8451, 8460-8473
e. Other and unspecified malignant gonadal tumors	C569, C620-C629	8000-8005
	C000-C809	8590-8671

<sup>a</sup> International Classification of Childhood Cancer is based on ICD-O-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.

<sup>b</sup> This table was updated for Hematopoietic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).

<sup>c</sup> Subject to change based on evolving ICD-O-3 coding rules.

<sup>d</sup> 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)<sup>a</sup> Recode ICD-O-3/WHO 2008<sup>bc</sup>

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)
<b>XI. Other malignant epithelial neoplasms and malignant melanomas</b>		
a. Adrenocortical carcinomas	C000-C809	8370-8375
b. Thyroid carcinomas	C739	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
	C000-C809	8330-8337, 8340-8347, 8350
c. Nasopharyngeal carcinomas	C110-C119	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
d. Malignant melanomas	C000-C809	8720-8780, 8790
e. Skin carcinomas	C440-C449	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
f. Other and unspecified carcinomas	C000-C069, C079-C109, C129-C189, C199, C209-C218-C239-C349, C379-C399, C480-C488, C500-C549, C559, C570-C619, C630-C639, C659-C699, C700-C729, C750-C768, C809	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
<b>XII. Other and unspecified malignant neoplasms</b>		
a. Other specified malignant tumors	C000-C809	8930-8936, 8950, 8951, 8971-8981, 9050-9055, 9110
	C000-C399, C470-C759	9363
b. Other unspecified malignant tumors	C000-C218, C239-C399, C420-C559, C570-C619, C630-C639, C659-C699, C739-C750, C754-C809	8000-8005

<sup>a</sup> International Classification of Childhood Cancer is based on ICD-O-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.

<sup>b</sup> This table was updated for Hematopoietic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).

<sup>c</sup> Subject to change based on evolving ICD-O-3 coding rules.

<sup>d</sup> 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<sup>a</sup> ICD-O-3/WHO 2008 Definition<sup>bc</sup>

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)
<b>1. Leukemias</b>		
1.1 Acute lymphoid leukemia	C000-C809 C420-C421, C424	9826, 9835-9836 9811-9818, 9837
1.2 Acute myeloid leukemia	C000-C809	9840, 9861, 9865-9867, 9869, 9871-9874, 9891, 9895-9898, 9910-9911, 9920
1.3 Chronic myeloid leukemia	C000-C809	9863, 9875-9876, 9945-9946
1.4 Other and unspecified leukemia	C000-C809 C420-C421, C424	9742, 9800-9801, 9805-9809, 9820, 9831-9834, 9860, 9870, 9930-9931, 9940, 9948, 9963-9964 9823, 9827
<b>2. Lymphomas</b>		
2.1 Non-Hodgkin lymphoma	C000-C809 C000-C419, C422-C423, C425-C809	9590-9591, 9596-9597, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687-9691, 9695, 9698-9702, 9705, 9708-9709, 9712, 9714, 9716-9719, 9725-9729, 9735, 9737-9738 9811-9818, 9823, 9827, 9837
2.2 Hodgkin lymphoma	C000-C809	9650-9655, 9659, 9661-9665, 9667
<b>3. CNS and Other Intracranial and Intraspinial Neoplasms</b>		
3.1 Astrocytoma		
3.1.1 Specified low-grade astrocytic tumors	C000-C809 C723	9410-9411, 9420-9421, 9424 9380
3.1.2 Glioblastoma and anaplastic astrocytoma	C000-C809	9401, 9440-9442
3.1.3 Astrocytoma, NOS	C000-C809	9400
3.2 Other glioma	C000-C722, C724-C809 C000-C809	9380 9381-9384, 9423, 9430, 9450-9451, 9460 9391-9394
3.3 Ependymoma	C000-C809	9391-9394
3.4 Medulloblastoma and other PNET		
3.4.1 Medulloblastoma	C716	9470-9474
3.4.2 Supratentorial PNET	C000-C715, C717-C809	9470-9474
3.5 Other specified intracranial intraspinal neoplasms	C000-C699, C730-C750, C754-C809 C700-C729, C751-C753 C700 C753 C711 C713 C719 C714, C717 C709	9350-9351, 9360-9362, 9390, 9480, 9530-9535, 9537-9539, 9541, 9550, 9562, 9570 9161, 9361-9362, 9390, 9530-9531, 9535, 9538, 9540, 9560, 9571 9532, 9534, 9537, 9539 9360 9480, 9539 9480, 9533 9350 9480 9539
3.6 Unspecified intracranial and intraspinal neoplasms	C700-C729, C751-C753	8000-8005
<b>4. Osseous &amp; Chondromatous Neoplasms</b>		
4.1 Osteosarcoma	C000-C809	9180-9187, 9192-9194
4.2 Chondrosarcoma	C000-C809	9220-9221, 9230-9231, 9240, 9242-9243
4.3 Ewing tumor	C000-C809	9260, 9364-9365
4.4 Other specified and unspecified bone tumors	C000-C809 C400-C419	8812, 9250, 9261, 9370-9372 8000-8005, 8800-8803, 8805-8806, 9200
<b>5. Soft Tissue Sarcomas</b>		
5.1 Fibromatous neoplasms	C000-C809	8810-8811, 8813-8815, 8820-8824, 8830, 8832-8833, 8835-8836, 9252
5.2 Rhabdomyosarcoma	C000-C809	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)	C000-C809 C000-C699, C730-C750, C754-C809	8804, 8825, 8840-8897, 8982-8983, 8990, 9040-9044, 9120-9139, 9141-9150, 9170, 9251, 9561, 9580-9581 9540, 9560, 9571
5.3.1.2 Kaposi sarcoma	C000-C809	9140
5.3.2 Unspecified soft tissue sarcoma	C000-C399, C420-C809	8800-8803, 8805-8806

<sup>a</sup> 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).

<sup>b</sup> This table was updated for Hematopoietic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).

<sup>c</sup> Subject to change based on evolving ICD-O-3 coding rules.  
CNS: central nervous system.

Table A.7 - continued

Adapted Classification Scheme for Tumors of Adolescents and Young Adults<sup>a</sup> ICD-O-3/WHO 2008 Definition<sup>bc</sup>

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)
<b>6. Germ Cell and Trophoblastic Neoplasms</b>		
6.1 Germ cell and trophoblastic neoplasms of gonads	C569, C620-C629 9091, 9100-9102,	9060-9065, 9070-9073, 9080-9085, 9090-9105
6.2 Germ cell and trophoblastic neoplasms of nongonadal sites		
6.2.1 Intracranial sites	C700-C729, C751, C753	9060-9065, 9070-9073, 9080-9085, 9090-9091, 9100-9102, 9105
6.2.2 Other nongonadal sites	C000-C568, C570- C619, C630-C699, C730-C750, C754- C809	9060-9065, 9070-9073, 9080-9085, 9090-9091, 9100-9102, 9104-9105
<b>7. Melanoma and Skin Carcinomas</b>		
7.1 Melanoma	C000-C809 8761, 8770-8774,	8720-8723, 8726, 8728, 8730, 8740-8746, 8780
7.2 Skin carcinomas	C440-C449	8010-8589
<b>8. Carcinomas</b>		
8.1 Thyroid carcinoma	C739	8010-8589
8.2 Other carcinoma of head and neck		
8.2.1 Nasopharyngeal carcinoma	C110-C119	8010-8589
8.2.2 Other sites in lip, oral cavity and pharynx	C000-C109, C120- C148	8010-8589
8.2.3 Nasal cavity, middle ear, sinuses, larynx, other ill-defined head/neck	C300-C329, C760	8010-8589
8.3 Carcinoma of trachea, bronchus and lung	C330-C349	8010-8589
8.4 Carcinoma of breast	C500-C509	8010-8589
8.5 Carcinoma of genitourinary tract		
8.5.1 Carcinoma of kidney	C649	8010-8589
8.5.2 Carcinoma of bladder	C670-C679	8010-8589
8.5.3 Carcinoma of gonads	8590-8593 C569, C620-C629	8010-8589
8.5.4 Carcinoma of cervix and uterus	C530-C559	8010-8589
8.5.5 Carcinoma of other and ill-defined sites, genitourinary tract	C510-C529, C570- C579, C600-C619, C630-C639, C659, C669, C680-C689	8010-8589
8.6 Carcinoma of gastrointestinal tract		
8.6.1 Carcinoma of colon and rectum	C180-C218	8010-8589
8.6.2 Carcinoma of stomach	C160-C169	8010-8589
8.6.3 Carcinoma of liver and intrahepatic bile ducts	C220-C221	8010-8589
8.6.4 Carcinoma of pancreas	C250-C259	8010-8589
8.6.5 Carcinoma of other and ill-defined sites, gastrointestinal tract	C150-C159, C170- C179, C230-C249, C260-C269	8010-8589
8.7 Carcinoma of other and ill-defined sites, NOS		
8.7.1 Adrenocortical carcinoma	C740-C749	8010-8589
8.7.2 Carcinoma of other and ill-defined sites, NOS	C149, C219, C222- C229, C270-C299, C350-C439, C450- C499, C560-C568, C580-C599, C640- C648, C650-C658, C660-C668, C690- C738, C750-C759, C761-C809 C809	8442, 9010,

<sup>a</sup> 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).

<sup>b</sup> This table was updated for Hematopoietic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).

<sup>c</sup> Subject to change based on evolving ICD-O-3 coding rules.

Table A.7 - continued

Adapted Classification Scheme for Tumors of Adolescents and Young Adults<sup>a</sup> ICD-O-3/WHO 2008 Definition<sup>bc</sup>

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)
<b>9. Miscellaneous specified neoplasms, NOS</b>		
9.1 Other pediatric and embryonal tumors, NOS		
9.1.1 Wilms tumor	C000-C809	8959-8960
9.1.2 Neuroblastoma	C000-C809	9490,9500
9.1.3 Other pediatric and embryonal tumors, NOS	C000-C809	8963-8964, 8970-8973, 8981, 9363, 9501-9523
9.2 Other specified and embryonal tumors, NOS		
9.2.1 Paraganglioma and glomus tumors	C000-C809	8680-8711
9.2.2 Other specified gonadal tumors	C569	8670, 9013-9015, 9054
	C000-C809	8600-8650,9000
9.2.3 Myeloma, mast cell, miscellaneous lymphoreticular neoplasms, NOS	C000-C809	9724, 9731-9734, 9740-9741, 9743-9764, 9766, 9769, 9960, 9965-9967, 9970-9971
9.2.4 Other specified neoplasms, NOS <sup>d</sup>	C000-C809	8930-8951, 8980, 9020, 9050-9053, 9110, 9160, 9270-9330, 9950, 9961-9962, 9980, 9982, 9989, 9991-9992
	C000-C696, C730-C750, C754-C809	9161
<b>10. Unspecified Malignant Neoplasms</b>	C000-C399, C420-C699, C730-C750, C754-C809	8000-8005

<sup>a</sup> 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).

<sup>b</sup> This table was updated for Hematopoietic codes based on WHO Classification of Tumours of Haematopoietic and Lymphoid Tissues (2008).

<sup>c</sup> Subject to change based on evolving ICD-O-3 coding rules.

<sup>d</sup> 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+ (4/16/2012) 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.8 - continued

SEER Cause of Death Recode 1969+ (4/16/2012) 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
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-A08, 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	J09-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 2007-2011

## 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.	306,602,149	150,742,397	155,859,752	244,215,690	120,808,504	123,407,186	41,605,133	19,878,345	21,726,788
Alabama	4,747,487	2,303,027	2,444,460	3,381,041	1,663,864	1,717,177	1,269,844	591,693	678,151
Alaska	700,911	364,085	336,826	501,741	263,780	237,961	30,962	16,676	14,286
Arizona	6,333,864	3,149,802	3,184,062	5,460,149	2,714,395	2,745,754	304,858	158,502	146,357
Arkansas	2,896,276	1,421,550	1,474,726	2,360,697	1,165,930	1,194,766	462,569	220,021	242,548
California	36,966,844	18,383,088	18,583,756	28,161,101	14,120,062	14,041,039	2,692,749	1,329,029	1,363,720
Colorado	4,966,113	2,489,672	2,476,441	4,472,961	2,243,137	2,229,825	239,252	125,119	114,133
Connecticut	3,559,598	1,732,467	1,827,131	2,984,709	1,456,007	1,528,702	409,065	195,247	213,818
Delaware	891,063	431,727	459,335	652,768	318,648	334,120	201,175	95,025	106,150
Dist. of Columbia	594,175	280,879	313,296	246,903	123,336	123,567	319,885	145,453	174,432
Florida	18,695,204	9,142,902	9,552,302	14,932,181	7,334,421	7,597,760	3,136,764	1,511,239	1,625,525
Georgia	9,600,577	4,692,994	4,907,583	6,195,770	3,086,229	3,109,541	3,012,850	1,414,064	1,598,786
Hawaii	1,347,402	674,609	672,793	332,922	179,066	153,857	34,168	19,996	14,172
Idaho	1,549,678	776,711	772,968	1,480,726	742,144	738,582	14,890	8,351	6,539
Illinois	12,787,979	6,272,922	6,515,057	10,117,193	5,006,520	5,110,673	1,960,969	920,420	1,040,548
Indiana	6,453,988	3,175,320	3,278,668	5,677,942	2,800,586	2,877,356	634,181	305,063	329,117
Iowa	3,032,647	1,500,409	1,532,238	2,856,471	1,409,823	1,446,648	103,605	54,513	49,092
Kansas	2,830,758	1,403,893	1,426,865	2,523,563	1,249,717	1,273,846	192,029	97,744	94,284
Kentucky	4,315,419	2,121,805	2,193,614	3,888,106	1,911,088	1,977,018	359,053	177,633	181,420
Louisiana	4,484,341	2,192,588	2,291,754	2,908,474	1,439,941	1,468,533	1,464,147	696,955	767,192
Maine	1,328,654	650,217	678,437	1,284,315	627,960	656,356	19,126	10,582	8,544
Maryland	5,739,266	2,775,672	2,963,594	3,595,978	1,771,046	1,824,932	1,765,183	823,068	942,115
Massachusetts	6,517,680	3,152,763	3,364,917	5,583,458	2,702,551	2,880,907	529,439	255,064	274,375
Michigan	9,920,847	4,867,967	5,052,880	8,086,083	3,990,605	4,095,478	1,486,251	706,942	779,309
Minnesota	5,278,692	2,620,391	2,658,301	4,671,858	2,316,796	2,355,062	303,484	154,763	148,721
Mississippi	2,956,305	1,435,237	1,521,068	1,800,718	890,168	910,550	1,109,001	522,418	586,583

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 2007-2011

## By State, Race/Ethnicity and Sex

State	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	5,955,538	2,915,803	3,039,735	5,076,481	2,496,703	2,579,778	727,550	345,939	381,611
Montana	982,701	493,178	489,523	899,326	451,707	447,619	7,017	4,157	2,860
Nebraska	1,812,886	899,224	913,662	1,656,855	821,180	835,674	94,113	47,666	46,447
Nevada	2,672,631	1,350,918	1,321,713	2,140,814	1,093,193	1,047,621	249,301	125,756	123,545
New Hampshire	1,315,840	649,295	666,545	1,260,931	621,530	639,401	19,495	10,697	8,797
New Jersey	8,756,548	4,263,489	4,493,058	6,618,233	3,240,145	3,378,087	1,324,214	624,613	699,601
New Mexico	2,036,195	1,005,665	1,030,530	1,726,051	852,923	873,128	56,362	30,151	26,211
New York	19,310,539	9,344,105	9,966,434	14,074,294	6,880,153	7,194,141	3,505,040	1,625,081	1,879,958
North Carolina	9,417,441	4,588,431	4,829,009	6,915,497	3,407,011	3,508,486	2,118,705	994,238	1,124,467
North Dakota	666,892	336,629	330,263	610,882	308,173	302,708	9,859	5,730	4,130
Ohio	11,524,810	5,625,347	5,899,463	9,772,704	4,787,399	4,985,305	1,499,981	716,014	783,967
Oklahoma	3,712,908	1,837,174	1,875,735	2,943,403	1,456,845	1,486,558	314,310	156,334	157,977
Oregon	3,801,241	1,881,608	1,919,633	3,456,068	1,711,059	1,745,009	92,019	49,070	42,949
Pennsylvania	12,659,667	6,166,377	6,493,290	10,755,445	5,252,652	5,502,793	1,488,894	712,094	776,800
Rhode Island	1,053,876	509,084	544,792	925,688	446,387	479,301	83,148	41,213	41,935
South Carolina	4,574,432	2,225,868	2,348,565	3,161,672	1,560,335	1,601,337	1,318,625	619,660	698,965
South Dakota	807,526	403,839	403,687	710,213	354,751	355,462	12,790	7,474	5,316
Tennessee	6,297,123	3,069,821	3,227,303	5,077,740	2,492,434	2,585,306	1,088,132	513,484	574,649
Texas	24,763,449	12,284,627	12,478,822	20,358,089	10,144,443	10,213,647	3,097,990	1,495,937	1,602,053
Utah	2,714,727	1,363,743	1,350,985	2,539,108	1,274,694	1,264,415	40,411	22,554	17,857
Vermont	624,991	307,859	317,133	605,193	298,045	307,148	8,131	4,445	3,686
Virginia	7,927,984	3,890,576	4,037,408	5,784,465	2,865,457	2,919,007	1,623,787	776,202	847,585
Washington	6,651,629	3,314,517	3,337,112	5,633,210	2,813,203	2,820,007	304,176	162,017	142,159
West Virginia	1,846,213	909,224	936,989	1,757,663	862,735	894,928	70,243	37,460	32,783
Wisconsin	5,664,094	2,810,657	2,853,437	5,071,307	2,519,163	2,552,144	388,382	190,779	197,603
Wyoming	554,499	282,645	271,854	526,527	268,365	258,162	6,961	4,000	2,961

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 2007-2011

## By State, Race/Ethnicity and Sex

State	Asian/Pacific Islander			American Indian/Alaska Native			Hispanic <sup>a</sup>		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Total U.S.	16,667,782	7,991,046	8,676,736	4,113,544	2,064,502	2,049,042	49,185,222	25,003,445	24,181,776
CHSDA counties <sup>b</sup>	-	-	-	2,139,513	1,062,893	1,076,620	-	-	-
Non-CHSDA counties <sup>b</sup>	-	-	-	1,974,031	1,001,609	972,422	-	-	-
Alabama	62,010	29,927	32,083	34,593	17,543	17,050	173,844	97,020	76,824
Alaska	48,842	23,304	25,538	119,366	60,325	59,041	38,615	19,860	18,755
Arizona	216,837	103,030	113,807	352,020	173,875	178,144	1,862,453	938,894	923,559
Arkansas	44,835	21,506	23,329	28,176	14,092	14,083	178,013	95,212	82,801
California	5,411,370	2,579,557	2,831,814	701,624	354,441	347,183	13,743,833	6,953,988	6,789,846
Colorado	165,709	76,797	88,912	88,191	44,619	43,572	1,013,566	518,323	495,244
Connecticut	146,626	71,594	75,032	19,198	9,619	9,579	463,924	232,092	231,832
Delaware	30,928	14,929	15,999	6,192	3,125	3,067	70,096	36,419	33,677
Dist. of Columbia	23,515	10,185	13,331	3,872	1,906	1,966	53,511	27,634	25,877
Florida	528,428	246,364	282,064	97,831	50,877	46,953	4,125,205	2,042,590	2,082,615
Georgia	341,031	165,912	175,119	50,925	26,789	24,136	823,902	447,365	376,537
Hawaii	974,383	472,402	501,980	5,928	3,145	2,783	114,537	58,007	56,531
Idaho	25,222	11,685	13,536	28,840	14,531	14,310	169,635	88,585	81,049
Illinois	628,733	304,569	324,164	81,084	41,413	39,671	1,985,362	1,027,949	957,413
Indiana	113,919	55,500	58,419	27,946	14,170	13,776	375,475	198,097	177,378
Iowa	57,644	28,599	29,045	14,926	7,473	7,454	145,033	76,775	68,258
Kansas	75,858	36,739	39,119	39,308	19,692	19,616	288,207	150,576	137,631
Kentucky	55,820	26,578	29,242	12,440	6,506	5,934	125,353	70,178	55,175
Louisiana	76,722	38,097	38,625	34,999	17,595	17,404	181,628	99,487	82,141
Maine	14,940	6,602	8,338	10,272	5,072	5,200	16,845	8,475	8,370
Maryland	343,656	163,945	179,711	34,450	17,613	16,837	451,119	236,561	214,559
Massachusetts	371,213	178,276	192,937	33,570	16,872	16,697	608,120	299,078	309,042
Michigan	264,499	129,044	135,454	84,015	41,376	42,639	429,490	219,195	210,294
Minnesota	226,718	110,530	116,188	76,633	38,303	38,330	241,991	127,998	113,993
Mississippi	29,438	14,040	15,398	17,148	8,612	8,536	78,124	45,563	32,561

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

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

<sup>b</sup> 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 2007-2011

## By State, Race/Ethnicity and Sex

State	Asian/Pacific Islander			American Indian/Alaska Native			Hispanic <sup>a</sup>		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	113,302	53,981	59,321	38,205	19,180	19,025	204,617	106,730	97,888
Montana	8,042	3,441	4,601	68,316	33,873	34,443	28,175	14,298	13,876
Nebraska	36,850	17,785	19,065	25,069	12,594	12,475	160,248	84,685	75,563
Nevada	233,978	107,698	126,280	48,538	24,271	24,267	698,106	359,173	338,932
New Hampshire	30,840	14,724	16,116	4,574	2,343	2,231	36,096	18,168	17,928
New Jersey	759,516	370,655	388,861	54,585	28,075	26,509	1,513,376	763,251	750,125
New Mexico	36,930	17,089	19,841	216,852	105,503	111,349	935,935	464,281	471,654
New York	1,527,610	737,426	790,184	203,595	101,445	102,150	3,358,491	1,655,203	1,703,288
North Carolina	231,589	111,604	119,985	151,650	75,579	76,072	761,485	409,950	351,535
North Dakota	7,588	3,752	3,836	38,563	18,974	19,589	13,244	7,065	6,179
Ohio	213,857	102,917	110,939	38,269	19,017	19,252	342,879	176,953	165,927
Oklahoma	76,641	36,752	39,889	378,554	187,243	191,312	316,918	168,858	148,060
Oregon	174,342	81,578	92,764	78,812	39,901	38,911	435,538	229,081	206,457
Pennsylvania	370,585	179,318	191,266	44,743	22,312	22,431	689,848	352,702	337,146
Rhode Island	34,973	16,581	18,391	10,067	4,902	5,165	127,710	63,196	64,514
South Carolina	68,413	32,478	35,935	25,722	13,395	12,327	222,276	124,239	98,037
South Dakota	8,599	4,134	4,465	75,924	37,480	38,444	21,609	11,709	9,901
Tennessee	103,813	49,502	54,311	27,438	14,401	13,037	275,780	150,988	124,792
Texas	1,048,288	511,799	536,488	259,081	132,448	126,633	9,209,795	4,643,404	4,566,391
Utah	90,761	44,154	46,607	44,447	22,341	22,106	343,945	178,161	165,784
Vermont	8,621	3,843	4,778	3,046	1,526	1,520	9,137	4,574	4,562
Virginia	475,600	226,211	249,389	44,133	22,706	21,427	605,433	315,886	289,547
Washington	570,212	267,030	303,182	144,031	72,268	71,764	723,384	378,154	345,230
West Virginia	14,125	6,763	7,362	4,182	2,266	1,916	21,864	11,719	10,145
Wisconsin	138,318	67,664	70,654	66,087	33,051	33,036	323,479	169,907	153,571
Wyoming	5,495	2,455	3,040	15,516	7,825	7,691	47,970	25,187	22,782

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

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

Table A.10

## Annual Populations Averaged Over 2007-2011

By SEER Registry, Race/Ethnicity and Sex

Area	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
California	36,966,844	18,383,088	18,583,756	28,161,101	14,120,062	14,041,039	2,692,749	1,329,029	1,363,720
Greater Bay Area	6,783,664	3,372,207	3,411,457	4,436,708	2,239,559	2,197,149	495,918	242,797	253,121
San Francisco-Oakland, SMSA	4,294,495	2,117,906	2,176,589	2,724,603	1,369,838	1,354,765	414,738	199,152	215,585
San Jose-Monterey	2,489,169	1,254,301	1,234,868	1,712,105	869,721	842,383	81,181	43,645	37,536
Los Angeles	9,787,538	4,826,245	4,961,293	7,177,492	3,591,115	3,586,376	972,057	457,616	514,441
Greater California	20,395,642	10,184,636	10,211,005	16,546,901	8,289,387	8,257,514	1,224,774	628,616	596,158
Connecticut	3,559,598	1,732,467	1,827,131	2,984,709	1,456,007	1,528,702	409,065	195,247	213,818
Metropolitan Detroit	3,886,566	1,878,603	2,007,963	2,701,475	1,326,911	1,374,564	1,011,802	466,525	545,278
Georgia	9,600,577	4,692,994	4,907,583	6,195,770	3,086,229	3,109,541	3,012,850	1,414,064	1,598,786
Metropolitan Atlanta	3,337,729	1,624,169	1,713,560	1,743,919	877,405	866,515	1,345,727	623,130	722,596
Rural Georgia	127,019	62,717	64,302	73,652	37,045	36,607	52,248	25,106	27,142
Greater Georgia	6,135,830	3,006,109	3,129,721	4,378,199	2,171,779	2,206,420	1,614,875	765,828	849,048
Hawaii	1,347,402	674,609	672,793	332,922	179,066	153,857	34,168	19,996	14,172
Iowa	3,032,647	1,500,409	1,532,238	2,856,471	1,409,823	1,446,648	103,605	54,513	49,092
Kentucky	4,315,419	2,121,805	2,193,614	3,888,106	1,911,088	1,977,018	359,053	177,633	181,420
Louisiana	4,484,341	2,192,588	2,291,754	2,908,474	1,439,941	1,468,533	1,464,147	696,955	767,192
New Jersey	8,756,548	4,263,489	4,493,058	6,618,233	3,240,145	3,378,087	1,324,214	624,613	699,601
New Mexico	2,036,195	1,005,665	1,030,530	1,726,051	852,923	873,128	56,362	30,151	26,211
Seattle-Puget Sound	4,544,367	2,263,419	2,280,947	3,685,864	1,842,729	1,843,135	262,692	138,644	124,048
Utah	2,714,727	1,363,743	1,350,985	2,539,108	1,274,694	1,264,415	40,411	22,554	17,857
9 SEER areas <sup>a</sup>	28,753,724	14,160,990	14,592,735	21,295,123	10,589,394	10,705,729	3,678,570	1,749,912	1,928,658
11 SEER areas <sup>a</sup>	41,030,432	20,241,536	20,788,896	30,184,719	15,050,231	15,134,488	4,731,808	2,251,173	2,480,635
13 SEER areas <sup>a</sup>	41,858,362	20,668,337	21,190,025	30,760,112	15,351,056	15,409,056	4,815,018	2,292,955	2,522,063
18 SEER areas <sup>a</sup>	85,946,141	42,436,964	43,509,176	65,100,025	32,403,397	32,696,629	10,802,081	5,186,599	5,615,482

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

<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.

The SEER 18 areas comprise the SEER 13 areas plus Greater California (California excluding SF/SJM/LA), Kentucky, Louisiana, New Jersey and Greater Georgia (Georgia excluding ATL/RG).

Table A.10 - continued

## Annual Populations Averaged Over 2007-2011

By SEER Registry, Race/Ethnicity and Sex

Area	Asian/Pacific Islander			Hispanic <sup>a</sup>		
	Both Sexes	Males	Females	Both Sexes	Males	Females
California	5,411,370	2,579,557	2,831,814	13,743,833	6,953,988	6,789,846
Greater Bay Area	1,753,322	839,726	913,597	1,716,697	881,181	835,516
San Francisco-Oakland, SMSA	1,103,679	522,320	581,360	912,393	467,416	444,977
San Jose-Monterey	649,643	317,406	332,237	804,304	413,766	390,539
Los Angeles	1,476,411	695,617	780,794	4,641,078	2,321,506	2,319,573
Greater California	2,181,637	1,044,213	1,137,423	7,386,058	3,751,301	3,634,757
Connecticut	146,626	71,594	75,032	463,924	232,092	231,832
Metropolitan Detroit	152,870	75,425	77,445	153,631	78,070	75,561
Georgia	341,031	165,912	175,119	823,902	447,365	376,537
Metropolitan Atlanta	226,698	112,186	114,512	406,306	220,001	186,304
Rural Georgia	695	340	356	4,231	2,483	1,747
Greater Georgia	113,638	53,386	60,252	413,366	224,880	188,485
Hawaii	974,383	472,402	501,980	114,537	58,007	56,531
Iowa	57,644	28,599	29,045	145,033	76,775	68,258
Kentucky	55,820	26,578	29,242	125,353	70,178	55,175
Louisiana	76,722	38,097	38,625	181,628	99,487	82,141
New Jersey	759,516	370,655	388,861	1,513,376	763,251	750,125
New Mexico	36,930	17,089	19,841	935,935	464,281	471,654
Seattle-Puget Sound	507,802	237,955	269,847	380,908	200,439	180,469
Utah	90,761	44,154	46,607	343,945	178,161	165,784
9 SEER areas <sup>b</sup>	3,297,393	1,581,724	1,715,669	3,856,612	1,975,242	1,881,370
11 SEER areas <sup>b</sup>	5,423,448	2,594,748	2,828,700	9,301,994	4,710,513	4,591,481
13 SEER areas <sup>b</sup>	5,472,985	2,618,392	2,854,593	9,344,840	4,732,857	4,611,984
18 SEER areas <sup>b</sup>	8,660,318	4,151,322	4,508,996	18,964,621	9,641,954	9,322,667

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

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

<sup>b</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.

The SEER 18 areas comprise the SEER 13 areas plus Greater California (California excluding SF/SJM/LA), Kentucky, Louisiana, New Jersey and Greater Georgia (Georgia excluding ATL/RG).



Table A.10 - continued

## Annual Populations Averaged Over 2007-2011

## 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
Alaska	119,366	60,325	59,041	119,366	60,325	59,041	0	0	0
California	701,624	354,441	347,183	291,598	146,431	145,168	410,026	208,011	202,015
Greater Bay Area	97,716	50,125	47,591	0	0	0	97,716	50,125	47,591
San Francisco- Oakland, SMSA	51,475	26,596	24,878	0	0	0	51,475	26,596	24,878
San Jose-Monterey	46,241	23,529	22,712	0	0	0	46,241	23,529	22,712
Los Angeles	161,579	81,897	79,682	0	0	0	161,579	81,897	79,682
Greater California	442,330	222,420	219,910	291,598	146,431	145,168	150,731	75,989	74,742
Connecticut	19,198	9,619	9,579	19,198	9,619	9,579	0	0	0
Metropolitan Detroit	20,418	9,743	10,676	0	0	0	20,418	9,743	10,676
Georgia	50,925	26,789	24,136	0	0	0	50,925	26,789	24,136
Metropolitan Atlanta	21,384	11,447	9,937	0	0	0	21,384	11,447	9,937
Rural Georgia	423	226	198	0	0	0	423	226	198
Greater Georgia	29,117	15,116	14,001	0	0	0	29,117	15,116	14,001
Hawaii	5,928	3,145	2,783	0	0	0	5,928	3,145	2,783
Iowa	14,926	7,473	7,454	5,138	2,514	2,625	9,788	4,959	4,829
Kentucky	12,440	6,506	5,934	0	0	0	12,440	6,506	5,934
Louisiana	34,999	17,595	17,404	4,016	1,988	2,028	30,983	15,607	15,376
New Jersey	54,585	28,075	26,509	0	0	0	54,585	28,075	26,509
New Mexico	216,852	105,503	111,349	205,183	99,591	105,592	11,668	5,911	5,757
Seattle-Puget Sound	88,009	44,092	43,917	88,009	44,092	43,917	0	0	0
Utah	44,447	22,341	22,106	22,869	11,297	11,573	21,578	11,044	10,533
9 SEER areas <sup>a</sup>	482,638	239,959	242,679	340,398	167,113	173,285	142,240	72,846	69,394
11 SEER areas <sup>a</sup>	690,457	345,384	345,073	340,398	167,113	173,285	350,060	178,271	171,788
13 SEER areas <sup>a</sup>	810,247	405,935	404,312	459,764	227,438	232,326	350,483	178,497	171,986
18 SEER areas <sup>a</sup>	1,383,717	695,647	688,070	755,378	375,856	379,522	628,339	319,790	308,548

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

<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.

The SEER 18 areas comprise the SEER 13 areas plus Greater California (California excluding SF/SJM/LA), Kentucky, Louisiana, New Jersey and Greater Georgia (Georgia excluding ATL/RG).

Table A.11

Standard Populations, By Age

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

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

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

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

Table A.12  
All Cancer Sites (Invasive)

SEER Follow-Up Rates<sup>a</sup> for Cases Diagnosed 1975-2010  
By Registry, Sex, and Age

	Males				Females			
	All Ages	0-19	20-64	65+	All Ages	0-19	20-64	65+
<u>Followed Into 2010</u>								
Registry								
Standard 9 registries	98.97	94.57	98.37	99.52	97.86	93.04	96.68	99.11
San Francisco-Oakland	98.74	94.22	98.05	99.40	97.77	94.05	96.46	99.11
Connecticut	98.32	87.47	97.27	99.27	96.92	83.44	94.90	98.90
Metropolitan Detroit	99.12	96.09	98.67	99.54	97.77	95.09	96.51	99.04
Hawaii	98.83	99.18	97.85	99.51	97.45	97.80	95.94	99.23
Iowa	99.84	99.16	99.64	99.96	99.23	98.77	98.81	99.54
New Mexico	98.38	90.13	97.65	99.08	95.59	88.59	94.34	97.09
Seattle-Puget Sound	99.16	94.57	98.75	99.59	98.33	90.83	97.52	99.34
Utah	99.13	95.66	98.57	99.72	98.35	94.51	97.40	99.66
Metropolitan Atlanta	98.90	96.64	98.49	99.48	98.46	97.27	97.70	99.56
<u>Followed Into 2011</u>								
Registry								
Standard 9 registries	98.67	92.55	97.89	99.40	97.33	90.87	95.87	98.89
San Francisco-Oakland	98.49	92.53	97.65	99.31	97.34	92.08	95.80	98.92
Connecticut	97.90	84.65	96.51	99.14	96.19	80.13	93.57	98.72
Metropolitan Detroit	98.91	94.02	98.38	99.43	97.33	93.52	95.91	98.77
Hawaii	98.57	98.35	97.37	99.42	96.97	92.63	95.27	99.09
Iowa	99.76	99.05	99.47	99.94	98.90	98.47	98.33	99.32
New Mexico	97.82	87.84	96.86	98.73	94.43	86.72	92.90	96.25
Seattle-Puget Sound	98.82	90.56	98.25	99.45	97.98	87.57	96.99	99.25
Utah	98.68	93.99	97.83	99.53	97.56	92.32	96.17	99.48
Metropolitan Atlanta	98.56	95.22	97.93	99.42	97.90	95.81	96.84	99.46

<sup>a</sup> Represents the percentage of first primaries diagnosed 1975-2010 and followed into the specified year.