

Table A.1

Number of Incidence Cases, 2011-2015

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	55,070	38,932	16,138	45,568	32,596	12,972	4,699	3,239	1,460
Esophagus	20,146	15,730	4,416	17,044	13,504	3,540	1,982	1,379	603
Stomach	33,965	20,691	13,274	24,008	15,052	8,956	4,660	2,654	2,006
Colon & Rectum	186,532	97,424	89,108	144,736	75,917	68,819	22,848	11,471	11,377
Colon	130,439	64,990	65,449	101,702	50,860	50,842	16,693	8,109	8,584
Rectum	56,093	32,434	23,659	43,034	25,057	17,977	6,155	3,362	2,793
Liver & IBD ^a	44,172	31,764	12,408	31,470	22,668	8,802	5,696	4,225	1,471
Pancreas	59,942	30,498	29,444	47,747	24,661	23,086	7,164	3,384	3,780
Larynx	14,536	11,688	2,848	11,675	9,378	2,297	2,215	1,766	449
Lung & Bronchus	257,301	133,651	123,650	210,535	107,893	102,642	28,697	15,820	12,877
Melanoma of the skin	107,109	63,476	43,633	100,282	59,868	40,414	488	220	268
Breast	319,972	2,504	317,468	252,332	2,009	250,323	35,935	354	35,581
Cervix uteri	16,935	-	16,935	12,566	-	12,566	2,353	-	2,353
Corpus & Uterus, NOS	68,213	-	68,213	54,065	-	54,065	7,288	-	7,288
Ovary ^b	29,281	-	29,281	23,730	-	23,730	2,619	-	2,619
Prostate	257,650	257,650	-	193,430	193,430	-	39,547	39,547	-
Testis	12,481	12,481	-	11,055	11,055	-	400	400	-
Urinary bladder	91,295	69,530	21,765	80,282	61,663	18,619	5,397	3,682	1,715
Kidney & Renal pelvis	75,678	47,964	27,714	61,085	38,928	22,157	9,197	5,636	3,561
Brain & ONS ^a	29,330	16,395	12,935	25,107	14,116	10,991	2,110	1,135	975
Thyroid	65,899	16,257	49,642	52,716	13,480	39,236	4,686	886	3,800
Hodgkin lymphoma	11,324	6,301	5,023	8,995	4,998	3,997	1,455	813	642
Non-Hodgkin lymphoma	90,644	50,058	40,586	75,072	41,653	33,419	7,155	3,844	3,311
Myeloma	31,483	17,737	13,746	22,858	13,324	9,534	6,276	3,144	3,132
Leukemia	63,616	36,865	26,751	52,907	30,922	21,985	5,288	2,850	2,438
Acute lymphocytic	7,535	4,146	3,389	6,167	3,423	2,744	547	282	265
Chronic lymphocytic	22,377	13,621	8,756	19,201	11,690	7,511	1,641	988	653
Acute myeloid	19,570	10,679	8,891	16,015	8,853	7,162	1,788	896	892
Chronic myeloid	8,371	4,924	3,447	6,727	3,997	2,730	830	431	399
All others	5,763	3,495	2,268	4,797	2,959	1,838	482	253	229
Kaposi Sarcoma	2,202	1,976	226	1,352	1,201	151	604	558	46
Mesothelioma	4,233	3,187	1,046	3,834	2,904	930	216	147	69
All Sites	2,087,262	1,048,752	1,038,510	1,676,377	845,061	831,316	223,392	113,565	109,827

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).

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

^b Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

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

Table A.1

Number of Incidence Cases, 2011-2015

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

Site	Asian/Pacific Islander			American Indian/Alaska Native ^a			Hispanic ^b		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	3,746	2,399	1,347	284	185	99	4,294	2,913	1,381
Esophagus	906	685	221	91	68	23	1,596	1,263	333
Stomach	4,690	2,660	2,030	270	165	105	6,287	3,481	2,806
Colon & Rectum	15,563	8,234	7,329	1,163	578	585	21,068	11,322	9,746
Colon	10,032	4,995	5,037	775	365	410	14,056	7,179	6,877
Rectum	5,531	3,239	2,292	388	213	175	7,012	4,143	2,869
Liver & IBD ^c	6,203	4,294	1,909	417	280	137	8,467	5,985	2,482
Pancreas	4,498	2,156	2,342	248	135	113	6,352	3,079	3,273
Larynx	464	393	71	52	41	-	1,198	1,038	160
Lung & Bronchus	16,070	8,892	7,178	963	511	452	15,088	7,927	7,161
Melanoma of the skin	682	345	337	159	66	93	3,285	1,467	1,818
Breast	27,026	118	26,908	1,365	-	1,363	35,276	186	35,090
Cervix uteri	1,606	-	1,606	138	-	138	3,720	-	3,720
Corpus & Uterus, NOS	5,712	-	5,712	338	-	338	8,517	-	8,517
Ovary ^d	2,553	-	2,553	152	-	152	3,910	-	3,910
Prostate	12,294	12,294	-	672	672	-	24,627	24,627	-
Testis	556	556	-	115	115	-	3,081	3,081	-
Urinary bladder	3,822	2,836	986	216	153	63	5,840	4,364	1,476
Kidney & Renal pelvis	4,060	2,595	1,465	531	310	221	10,668	6,382	4,286
Brain & ONS ^c	1,728	928	800	112	69	43	3,979	2,168	1,811
Thyroid	6,914	1,563	5,351	316	61	255	10,565	2,008	8,557
Hodgkin lymphoma	614	345	269	42	22	20	1,948	1,067	881
Non-Hodgkin lymphoma	6,308	3,423	2,885	327	168	159	11,292	6,025	5,267
Myeloma	1,780	979	801	146	67	79	3,681	2,034	1,647
Leukemia	3,574	1,984	1,590	275	161	114	8,145	4,574	3,571
Acute lymphocytic	621	331	290	76	43	33	2,748	1,531	1,217
Chronic lymphocytic	493	313	180	38	21	17	1,172	666	506
Acute myeloid	1,560	813	747	77	45	32	2,488	1,323	1,165
Chronic myeloid	558	337	221	53	33	20	1,021	623	398
All others	342	190	152	31	19	-	716	431	285
Kaposi Sarcoma	99	93	-	-	-	-	517	461	56
Mesothelioma	145	105	40	-	-	-	491	359	132
All Sites	140,689	62,185	78,504	9,149	4,197	4,952	220,990	103,767	117,223

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).

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

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

^c Incidence data for Hispanics are based on NHIA and exclude cases from the Alaska Native Registry.

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

^e Ovary excludes borderline cases or histologies 8442, 8451, 8462, 8472, and 8473.

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

Table A.2

Standard Errors of Incidence Rates, 2011-2015

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	0.14	0.26	0.14
Esophagus	0.03	0.06	0.03	0.03	0.07	0.03	0.09	0.19	0.09
Stomach	0.04	0.07	0.05	0.04	0.07	0.05	0.15	0.29	0.18
Colon & Rectum	0.09	0.15	0.12	0.10	0.16	0.13	0.33	0.56	0.40
Colon	0.08	0.12	0.10	0.09	0.14	0.11	0.28	0.48	0.35
Rectum	0.05	0.08	0.06	0.06	0.09	0.07	0.16	0.28	0.19
Liver & IBD ^a	0.04	0.08	0.04	0.05	0.08	0.05	0.14	0.28	0.14
Pancreas	0.05	0.08	0.07	0.06	0.09	0.07	0.19	0.31	0.24
Larynx	0.03	0.05	0.02	0.03	0.06	0.02	0.10	0.21	0.07
Lung & Bronchus	0.11	0.18	0.14	0.12	0.20	0.16	0.38	0.70	0.43
Melanoma of the skin	0.07	0.12	0.09	0.09	0.15	0.11	0.05	0.08	0.06
Breast	0.12	0.02	0.23	0.14	0.03	0.26	0.39	0.10	0.69
Cervix uteri	0.03	-	0.06	0.03	-	0.07	0.10	-	0.18
Corpus & Uterus, NOS	0.05	-	0.10	0.06	-	0.12	0.17	-	0.30
Ovary ^b	0.04	-	0.07	0.04	-	0.08	0.11	-	0.19
Prostate	0.10	0.23	-	0.11	0.25	-	0.40	0.96	-
Testis	0.03	0.05	-	0.03	0.07	-	0.04	0.08	-
Urinary bladder	0.07	0.13	0.06	0.08	0.15	0.07	0.17	0.37	0.17
Kidney & Renal pelvis	0.06	0.10	0.07	0.07	0.12	0.08	0.20	0.36	0.22
Brain & ONS ^a	0.04	0.06	0.05	0.05	0.07	0.06	0.09	0.15	0.11
Thyroid	0.06	0.06	0.10	0.07	0.07	0.12	0.13	0.14	0.22
Hodgkin lymphoma	0.02	0.04	0.03	0.03	0.04	0.04	0.07	0.11	0.09
Non-Hodgkin lymphoma	0.07	0.11	0.08	0.08	0.12	0.09	0.18	0.30	0.21
Myeloma	0.04	0.06	0.05	0.04	0.07	0.05	0.18	0.30	0.21
Leukemia	0.06	0.09	0.07	0.06	0.11	0.08	0.16	0.28	0.19
Acute lymphocytic	0.02	0.03	0.03	0.02	0.04	0.03	0.04	0.06	0.06
Chronic lymphocytic	0.03	0.06	0.04	0.04	0.06	0.04	0.09	0.18	0.10
Acute myeloid	0.03	0.05	0.04	0.04	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	0.10	0.07
All others	0.02	0.03	0.02	0.02	0.03	0.02	0.05	0.09	0.06
Kaposi Sarcoma	0.01	0.02	0.01	0.01	0.02	0.01	0.05	0.09	0.03
Mesothelioma	0.01	0.03	0.01	0.02	0.03	0.02	0.03	0.08	0.03
All Sites	0.31	0.48	0.41	0.35	0.54	0.48	1.00	1.71	1.23

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).

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Site	Asian/Pacific Islander			American Indian/Alaska Native ^a			Hispanic ^b		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.13	0.23	0.14	0.57	0.98	0.65	0.10	0.19	0.11
Esophagus	0.07	0.13	0.06	0.34	0.69	0.30	0.07	0.14	0.06
Stomach	0.15	0.27	0.18	0.66	1.17	0.75	0.14	0.24	0.16
Colon & Rectum	0.27	0.44	0.33	1.30	2.06	1.69	0.24	0.41	0.30
Colon	0.22	0.35	0.28	1.11	1.71	1.46	0.21	0.34	0.26
Rectum	0.16	0.27	0.18	0.69	1.15	0.86	0.13	0.23	0.15
Liver & IBD ^c	0.17	0.32	0.17	0.71	1.20	0.81	0.15	0.28	0.16
Pancreas	0.15	0.24	0.19	0.63	1.08	0.77	0.15	0.23	0.19
Larynx	0.05	0.10	0.03	0.27	0.57	-	0.06	0.13	0.04
Lung & Bronchus	0.29	0.50	0.34	1.27	2.18	1.54	0.24	0.41	0.28
Melanoma of the skin	0.06	0.09	0.07	0.44	0.67	0.60	0.09	0.15	0.12
Breast	0.34	0.05	0.62	1.27	-	2.32	0.28	0.06	0.52
Cervix uteri	0.08	-	0.15	0.37	-	0.71	0.08	-	0.15
Corpus & Uterus, NOS	0.15	-	0.28	0.59	-	1.10	0.14	-	0.25
Ovary ^d	0.11	-	0.19	0.42	-	0.77	0.09	-	0.17
Prostate	0.24	0.55	-	0.99	2.30	-	0.27	0.62	-
Testis	0.05	0.10	-	0.27	0.53	-	0.05	0.10	-
Urinary bladder	0.14	0.29	0.13	0.63	1.30	0.59	0.15	0.31	0.13
Kidney & Renal pelvis	0.14	0.25	0.15	0.79	1.40	0.91	0.16	0.28	0.19
Brain & ONS ^c	0.09	0.14	0.11	0.33	0.56	0.39	0.09	0.14	0.11
Thyroid	0.17	0.18	0.28	0.55	0.56	0.92	0.13	0.13	0.22
Hodgkin lymphoma	0.05	0.08	0.06	0.23	0.35	0.30	0.05	0.09	0.07
Non-Hodgkin lymphoma	0.17	0.29	0.21	0.70	1.12	0.90	0.18	0.29	0.22
Myeloma	0.09	0.16	0.11	0.51	0.83	0.65	0.11	0.18	0.13
Leukemia	0.13	0.22	0.16	0.54	0.95	0.64	0.13	0.22	0.16
Acute lymphocytic	0.06	0.08	0.08	0.21	0.31	0.29	0.05	0.08	0.07
Chronic lymphocytic	0.05	0.09	0.05	0.26	0.45	0.30	0.06	0.11	0.07
Acute myeloid	0.09	0.15	0.11	0.29	0.53	0.33	0.08	0.13	0.10
Chronic myeloid	0.05	0.09	0.06	0.23	0.43	0.24	0.05	0.09	0.05
All others	0.04	0.07	0.05	0.22	0.38	-	0.04	0.07	0.05
Kaposi Sarcoma	0.02	0.05	-	-	-	-	0.03	0.06	0.03
Mesothelioma	0.03	0.06	0.03	-	-	-	0.04	0.09	0.04
All Sites	0.81	1.25	1.08	3.51	5.55	4.63	0.76	1.23	0.98

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).

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

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^d 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, 2011-2015

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	45,589	32,263	13,326	38,215	26,929	11,286	5,473	4,019	1,454
Esophagus	73,930	59,082	14,848	65,701	53,138	12,563	6,567	4,659	1,908
Stomach	56,128	33,487	22,641	41,563	24,976	16,587	9,942	5,952	3,990
Colon & Rectum	259,159	135,542	123,617	214,842	112,547	102,295	34,718	17,965	16,753
Liver & IBD ^a	119,070	80,526	38,544	93,528	62,895	30,633	16,673	11,739	4,934
Pancreas	197,170	100,599	96,571	166,751	86,238	80,513	23,642	11,148	12,494
Larynx	18,643	14,897	3,746	15,143	12,025	3,118	3,126	2,551	575
Lung & Bronchus	779,796	427,587	352,209	674,811	367,142	307,669	83,184	48,150	35,034
Melanoma of the skin	45,982	30,225	15,757	44,942	29,702	15,240	685	344	341
Breast	207,915	2,240	205,675	170,138	1,817	168,321	31,381	380	31,001
Cervix uteri	20,673	-	20,673	15,653	-	15,653	3,986	-	3,986
Corpus & Uterus, NOS	46,700	-	46,700	36,246	-	36,246	8,843	-	8,843
Ovary	71,141	-	71,141	62,068	-	62,068	6,649	-	6,649
Prostate	140,086	140,086	-	113,819	113,819	-	23,136	23,136	-
Testis	1,934	1,934	-	1,762	1,762	-	112	112	-
Urinary bladder	78,045	55,652	22,393	70,817	51,293	19,524	5,785	3,373	2,412
Kidney & Renal pelvis	69,348	45,076	24,272	60,758	39,645	21,113	6,611	4,159	2,452
Brain & ONS ^a	77,375	43,423	33,952	70,202	39,544	30,658	5,027	2,718	2,309
Thyroid	9,013	4,081	4,932	7,620	3,594	4,026	870	280	590
Hodgkin lymphoma	5,585	3,247	2,338	4,844	2,822	2,022	604	343	261
Non-Hodgkin lymphoma	101,359	56,402	44,957	90,513	50,554	39,959	7,473	4,004	3,469
Myeloma	59,376	32,222	27,154	47,229	26,313	20,916	10,619	5,098	5,521
Leukemia	116,463	67,201	49,262	103,194	59,977	43,217	9,843	5,276	4,567
Acute lymphocytic	7,276	4,106	3,170	6,270	3,548	2,722	640	346	294
Chronic lymphocytic	22,478	13,620	8,858	20,480	12,438	8,042	1,780	1,044	736
Acute myeloid	48,632	27,719	20,913	42,873	24,683	18,190	3,914	2,018	1,896
Chronic myeloid	5,300	2,987	2,313	4,632	2,613	2,019	538	294	244
All others	32,777	18,769	14,008	28,939	16,695	12,244	2,971	1,574	1,397
All Sites	2,931,769	1,540,539	1,391,230	2,495,853	1,318,461	1,177,392	340,619	173,379	167,240

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

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

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

Table A.3

Number of Deaths, 2011-2015

By Primary Cancer Site, Race and Sex
United States

Site	Asian/Pacific Islander			American Indian/Alaska Native ^a			Hispanic ^b		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	1,658	1,135	523	178	133	45	2,402	1,731	671
Esophagus	1,293	997	296	259	196	63	3,265	2,641	624
Stomach	4,152	2,268	1,884	377	237	140	8,194	4,656	3,538
Colon & Rectum	7,966	4,145	3,821	1,207	662	545	17,472	9,856	7,616
Liver & IBD ^c	7,749	5,150	2,599	837	553	284	14,549	9,709	4,840
Pancreas	5,854	2,750	3,104	645	328	317	12,607	6,340	6,267
Larynx	275	242	33	58	48	-	1,104	982	122
Lung & Bronchus	17,882	10,162	7,720	2,587	1,377	1,210	26,870	16,112	10,758
Melanoma of the skin	273	129	144	57	37	20	1,189	696	493
Breast	5,489	39	5,450	608	-	606	13,322	108	13,214
Cervix uteri	867	-	867	126	-	126	2,623	-	2,623
Corpus & Uterus, NOS	1,400	-	1,400	158	-	158	3,358	-	3,358
Ovary	2,054	-	2,054	272	-	272	4,730	-	4,730
Prostate	2,443	2,443	-	477	477	-	8,376	8,376	-
Testis	32	32	-	25	25	-	378	378	-
Urinary bladder	1,209	831	378	148	95	53	3,079	2,114	965
Kidney & Renal pelvis	1,416	915	501	441	284	157	5,424	3,488	1,936
Brain & ONS ^c	1,819	971	848	220	130	90	5,317	2,901	2,416
Thyroid	473	184	289	34	-	19	901	360	541
Hodgkin lymphoma	118	71	47	-	-	-	663	393	270
Non-Hodgkin lymphoma	2,971	1,604	1,367	291	169	122	7,173	4,000	3,173
Myeloma	1,249	673	576	203	99	104	3,981	2,118	1,863
Leukemia	2,956	1,674	1,282	328	188	140	8,078	4,518	3,560
Acute lymphocytic	295	174	121	56	30	26	1,654	943	711
Chronic lymphocytic	172	111	61	28	18	-	624	371	253
Acute myeloid	1,637	899	738	144	79	65	3,117	1,683	1,434
Chronic myeloid	111	67	44	-	-	-	417	256	161
All others	741	423	318	88	51	37	2,266	1,265	1,001
All Sites	79,849	40,497	39,352	10,916	5,765	5,151	175,924	92,290	83,634

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

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

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

Table A.4
Standard Errors of Death Rates, 2011-2015
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	0.08	0.04
Esophagus	0.02	0.03	0.01	0.02	0.03	0.01	0.04	0.09	0.04
Stomach	0.01	0.02	0.02	0.01	0.02	0.02	0.06	0.12	0.06
Colon & Rectum	0.03	0.05	0.04	0.03	0.05	0.04	0.11	0.20	0.13
Liver & IBD ^a	0.02	0.03	0.02	0.02	0.04	0.02	0.07	0.13	0.07
Pancreas	0.02	0.04	0.03	0.03	0.04	0.03	0.09	0.15	0.11
Larynx	0.01	0.02	0.01	0.01	0.02	0.01	0.03	0.07	0.02
Lung & Bronchus	0.05	0.08	0.06	0.05	0.09	0.07	0.17	0.32	0.18
Melanoma of the skin	0.01	0.02	0.01	0.01	0.03	0.02	0.02	0.03	0.02
Breast	0.03	0.01	0.05	0.03	0.01	0.05	0.10	0.03	0.17
Cervix uteri	0.01	-	0.02	0.01	-	0.02	0.03	-	0.06
Corpus & Uterus, NOS	0.01	-	0.02	0.01	-	0.02	0.05	-	0.09
Ovary	0.02	-	0.03	0.02	-	0.03	0.05	-	0.08
Prostate	0.02	0.05	-	0.02	0.05	-	0.10	0.28	-
Testis	0.00	0.01	-	0.00	0.01	-	0.01	0.01	-
Urinary bladder	0.02	0.03	0.01	0.02	0.04	0.02	0.05	0.10	0.05
Kidney & Renal pelvis	0.01	0.03	0.02	0.02	0.03	0.02	0.05	0.09	0.05
Brain & ONS ^a	0.02	0.03	0.02	0.02	0.03	0.02	0.04	0.07	0.05
Thyroid	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02
Hodgkin lymphoma	0.00	0.01	0.01	0.00	0.01	0.01	0.01	0.02	0.02
Non-Hodgkin lymphoma	0.02	0.03	0.02	0.02	0.03	0.02	0.05	0.09	0.06
Myeloma	0.01	0.02	0.02	0.01	0.03	0.02	0.06	0.11	0.08
Leukemia	0.02	0.04	0.02	0.02	0.04	0.03	0.06	0.11	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	0.05	0.03
Acute myeloid	0.01	0.02	0.02	0.01	0.02	0.02	0.04	0.07	0.04
Chronic myeloid	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.02	0.02
All others	0.01	0.02	0.01	0.01	0.02	0.01	0.03	0.06	0.04
All Sites	0.10	0.16	0.12	0.11	0.17	0.13	0.34	0.62	0.40

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

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

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

Table A.4

Standard Errors of Death Rates, 2011-2015

By Primary Cancer Site, Race and Sex
United States

Site	Asian/Pacific Islander			American Indian/Alaska Native ^a			Hispanic ^b		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.05	0.09	0.05	0.18	0.36	0.16	0.03	0.06	0.03
Esophagus	0.05	0.09	0.04	0.23	0.47	0.21	0.04	0.08	0.03
Stomach	0.09	0.15	0.10	0.28	0.52	0.31	0.06	0.11	0.07
Colon & Rectum	0.12	0.20	0.14	0.51	0.87	0.61	0.09	0.16	0.11
Liver & IBD ^c	0.11	0.21	0.12	0.39	0.69	0.44	0.08	0.14	0.09
Pancreas	0.10	0.17	0.13	0.37	0.58	0.47	0.08	0.13	0.10
Larynx	0.02	0.05	0.01	0.10	0.23	-	0.02	0.05	0.01
Lung & Bronchus	0.18	0.32	0.21	0.76	1.32	0.92	0.12	0.22	0.13
Melanoma of the skin	0.02	0.03	0.03	0.11	0.20	0.12	0.02	0.04	0.03
Breast	0.09	0.02	0.16	0.35	-	0.61	0.07	0.02	0.13
Cervix uteri	0.03	-	0.06	0.13	-	0.24	0.03	-	0.05
Corpus & Uterus, NOS	0.05	-	0.08	0.17	-	0.30	0.04	-	0.07
Ovary	0.06	-	0.10	0.23	-	0.40	0.05	-	0.08
Prostate	0.07	0.18	-	0.38	0.97	-	0.07	0.18	-
Testis	0.01	0.01	-	0.04	0.08	-	0.01	0.02	-
Urinary bladder	0.05	0.10	0.05	0.20	0.40	0.20	0.04	0.09	0.04
Kidney & Renal pelvis	0.05	0.09	0.05	0.30	0.55	0.34	0.05	0.09	0.05
Brain & ONS ^c	0.05	0.08	0.06	0.18	0.30	0.22	0.04	0.07	0.05
Thyroid	0.03	0.04	0.04	0.09	-	0.11	0.02	0.03	0.03
Hodgkin lymphoma	0.01	0.03	0.02	-	-	-	0.02	0.03	0.02
Non-Hodgkin lymphoma	0.07	0.13	0.09	0.27	0.48	0.32	0.06	0.10	0.07
Myeloma	0.05	0.08	0.06	0.22	0.38	0.28	0.05	0.08	0.05
Leukemia	0.07	0.13	0.08	0.26	0.45	0.30	0.06	0.10	0.07
Acute lymphocytic	0.02	0.03	0.02	0.08	0.12	0.10	0.02	0.03	0.02
Chronic lymphocytic	0.02	0.04	0.02	0.10	0.20	-	0.02	0.04	0.02
Acute myeloid	0.05	0.09	0.06	0.17	0.28	0.21	0.04	0.06	0.04
Chronic myeloid	0.01	0.02	0.02	-	-	-	0.01	0.02	0.02
All others	0.04	0.07	0.04	0.14	0.25	0.16	0.03	0.06	0.04
All Sites	0.37	0.63	0.45	1.54	2.64	1.86	0.29	0.50	0.35

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

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

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

Table A.5

Cancer Site Coding Definitions

For a complete list of the cancer site coding definitions used in this version of the SEER Cancer Statistics Review, please reference the following pages on the SEER website:

[SEER Site Recode ICD-O-3/WHO 2008 Definition](#)

[SEER Cause of Death Recode 1969+ \(4/16/2012\) Definition](#)

[International Classification of Childhood Cancer \(ICCC\) Recode ICD-O-3/WHO 2008](#)

[Adolescents and Young Adults Site Recode ICD-O-3/WHO 2008 Definition](#)

Table A.6

Annual Populations Averaged Over 2011-2015

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.	316,265,344	155,612,040	160,653,304	249,236,204	123,402,883	125,833,321	43,760,249	20,961,502	22,798,747
Alabama	4,828,489	2,341,625	2,486,864	3,413,895	1,679,275	1,734,620	1,306,439	609,815	696,624
Alaska	733,019	382,741	350,278	516,755	273,043	243,711	34,669	19,103	15,566
Arizona	6,635,794	3,298,397	3,337,397	5,659,878	2,811,827	2,848,051	347,317	180,318	166,998
Arkansas	2,958,721	1,453,313	1,505,408	2,397,938	1,184,725	1,213,213	476,093	227,098	248,996
California	38,339,578	19,044,922	19,294,656	28,877,369	14,467,092	14,410,276	2,774,111	1,371,591	1,402,520
Colorado	5,274,859	2,646,113	2,628,746	4,719,040	2,367,819	2,351,222	266,368	139,901	126,467
Connecticut	3,591,259	1,750,994	1,840,265	2,968,607	1,451,248	1,517,359	433,827	207,604	226,223
Delaware	925,867	448,274	477,593	667,473	325,660	341,813	215,191	101,529	113,662
Dist. of Columbia	646,870	306,754	340,116	285,405	142,957	142,448	328,599	149,388	179,211
Florida	19,631,357	9,595,562	10,035,795	15,524,805	7,622,256	7,902,549	3,396,536	1,637,189	1,759,347
Georgia	9,999,569	4,879,166	5,120,403	6,319,000	3,141,421	3,177,579	3,220,984	1,512,368	1,708,616
Hawaii	1,403,534	704,432	699,102	350,828	189,486	161,341	39,367	23,179	16,188
Idaho	1,615,685	809,410	806,275	1,537,486	770,113	767,374	17,520	9,843	7,677
Illinois	12,863,381	6,315,125	6,548,256	10,108,803	5,006,383	5,102,420	1,965,848	924,717	1,041,131
Indiana	6,566,265	3,234,138	3,332,127	5,726,024	2,826,690	2,899,334	669,128	322,897	346,231
Iowa	3,092,698	1,535,395	1,557,303	2,881,771	1,426,160	1,455,611	120,725	63,784	56,941
Kansas	2,890,733	1,437,383	1,453,350	2,558,919	1,270,257	1,288,662	202,779	103,797	98,983
Kentucky	4,398,460	2,166,024	2,232,435	3,936,779	1,937,199	1,999,580	381,897	189,993	191,905
Louisiana	4,624,415	2,263,077	2,361,338	2,971,012	1,473,397	1,497,616	1,527,402	727,148	800,254
Maine	1,329,275	651,270	678,005	1,279,368	626,071	653,297	22,378	12,428	9,950
Maryland	5,925,332	2,869,652	3,055,681	3,641,592	1,797,524	1,844,067	1,851,776	864,948	986,828
Massachusetts	6,702,174	3,248,149	3,454,025	5,641,601	2,736,137	2,905,465	590,348	285,880	304,468
Michigan	9,899,183	4,862,318	5,036,865	8,026,488	3,966,356	4,060,132	1,486,423	707,380	779,044
Minnesota	5,416,582	2,692,047	2,724,535	4,724,662	2,345,661	2,379,001	347,197	177,099	170,097
Mississippi	2,987,076	1,450,827	1,536,249	1,802,750	892,030	910,720	1,132,700	533,915	598,785

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

Table A.6 - continued

Annual Populations Averaged Over 2011-2015

By State, Race/Ethnicity and Sex

State	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	6,043,195	2,963,972	3,079,224	5,121,215	2,523,121	2,598,093	750,556	357,955	392,601
Montana	1,014,454	509,656	504,798	923,401	464,371	459,030	8,763	5,075	3,688
Nebraska	1,868,295	929,410	938,885	1,692,499	840,983	851,516	102,530	52,352	50,177
Nevada	2,794,836	1,406,059	1,388,777	2,193,676	1,116,289	1,077,387	279,896	140,448	139,448
New Hampshire	1,324,239	654,404	669,836	1,261,736	622,730	639,006	22,522	12,414	10,107
New Jersey	8,894,808	4,338,298	4,556,509	6,611,133	3,243,183	3,367,950	1,370,144	648,481	721,662
New Mexico	2,082,017	1,030,115	1,051,902	1,750,689	866,747	883,942	60,484	32,579	27,905
New York	19,652,308	9,529,604	10,122,704	14,109,166	6,916,995	7,192,171	3,612,759	1,682,467	1,930,292
North Carolina	9,841,663	4,787,555	5,054,108	7,147,401	3,515,483	3,631,918	2,246,774	1,054,005	1,192,768
North Dakota	721,664	368,451	353,213	652,376	332,626	319,751	16,495	9,627	6,868
Ohio	11,573,037	5,661,709	5,911,327	9,733,234	4,779,145	4,954,089	1,550,478	742,507	807,971
Oklahoma	3,848,131	1,906,007	1,942,124	3,018,035	1,494,962	1,523,073	334,598	167,047	167,550
Oregon	3,937,181	1,948,553	1,988,628	3,550,200	1,757,345	1,792,855	102,099	54,441	47,658
Pennsylvania	12,775,991	6,244,366	6,531,624	10,733,482	5,259,901	5,473,581	1,561,304	751,561	809,743
Rhode Island	1,053,694	510,408	543,286	913,022	441,593	471,429	90,385	44,807	45,578
South Carolina	4,776,911	2,321,456	2,455,455	3,305,625	1,628,814	1,676,811	1,362,611	640,014	722,597
South Dakota	842,848	423,610	419,238	732,267	367,417	364,850	18,234	10,643	7,591
Tennessee	6,497,296	3,167,795	3,329,501	5,203,237	2,553,130	2,650,107	1,141,626	540,526	601,100
Texas	26,513,192	13,156,754	13,356,438	21,563,747	10,747,650	10,816,097	3,386,433	1,639,290	1,747,144
Utah	2,901,407	1,459,038	1,442,369	2,697,868	1,355,686	1,342,183	47,337	26,318	21,019
Vermont	626,677	309,161	317,516	603,756	297,696	306,060	9,611	5,298	4,314
Virginia	8,249,947	4,055,282	4,194,665	5,954,589	2,955,642	2,998,948	1,693,877	811,997	881,881
Washington	6,980,048	3,481,427	3,498,621	5,820,188	2,909,632	2,910,557	343,070	182,527	160,543
West Virginia	1,850,866	914,369	936,497	1,756,432	864,637	891,795	73,863	39,698	34,165
Wisconsin	5,740,988	2,851,714	2,889,274	5,103,083	2,537,910	2,565,173	408,072	200,773	207,299
Wyoming	579,474	295,758	283,716	545,899	278,414	267,485	10,108	5,740	4,368

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

Table A.6 - continued

Annual Populations Averaged Over 2011-2015

By State, Race/Ethnicity and Sex

State	Asian/Pacific Islander			American Indian/Alaska Native			Hispanic ^a		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Total U.S.	18,816,723	9,012,091	9,804,632	4,452,168	2,235,565	2,216,603	54,092,957	27,367,250	26,725,707
CHSDA counties ^b	-	-	-	2,290,117	1,138,285	1,151,832	-	-	-
Non-CHSDA counties ^b	-	-	-	2,162,051	1,097,280	1,064,771	-	-	-
Alabama	71,982	34,246	37,736	36,173	18,289	17,884	193,488	104,920	88,568
Alaska	57,093	27,537	29,556	124,503	63,058	61,445	47,151	24,696	22,454
Arizona	250,719	119,506	131,213	377,880	186,745	191,135	2,012,650	1,011,533	1,001,117
Arkansas	54,021	26,164	27,857	30,668	15,327	15,342	202,863	107,085	95,778
California	5,932,865	2,824,721	3,108,144	755,233	381,518	373,715	14,708,856	7,408,175	7,300,681
Colorado	191,052	88,717	102,335	98,399	49,676	48,723	1,108,828	564,368	544,460
Connecticut	167,229	81,214	86,015	21,595	10,927	10,668	524,953	262,173	262,780
Delaware	36,562	17,760	18,802	6,641	3,324	3,316	80,487	41,410	39,077
Dist. of Columbia	28,311	12,105	16,206	4,555	2,303	2,252	66,226	33,954	32,272
Florida	603,578	280,696	322,881	106,439	55,421	51,018	4,658,571	2,300,653	2,357,919
Georgia	403,695	196,051	207,645	55,890	29,327	26,563	909,713	482,565	427,148
Hawaii	1,006,936	488,304	518,632	6,404	3,462	2,942	132,222	67,744	64,477
Idaho	28,744	13,406	15,338	31,934	16,048	15,887	190,629	98,649	91,980
Illinois	701,488	339,267	362,221	87,242	44,758	42,484	2,113,221	1,085,233	1,027,988
Indiana	140,775	69,163	71,612	30,338	15,388	14,950	419,831	218,594	201,237
Iowa	73,332	36,977	36,355	16,870	8,474	8,396	167,974	88,052	79,922
Kansas	87,304	42,345	44,959	41,731	20,984	20,747	321,961	167,227	154,734
Kentucky	66,383	31,850	34,533	13,400	6,983	6,417	144,407	79,131	65,275
Louisiana	87,900	43,400	44,501	38,100	19,132	18,968	215,841	117,173	98,668
Maine	16,763	7,479	9,285	10,766	5,292	5,474	19,105	9,672	9,433
Maryland	393,682	187,620	206,062	38,283	19,559	18,723	531,776	277,219	254,557
Massachusetts	432,923	207,290	225,633	37,301	18,843	18,459	707,440	349,955	357,485
Michigan	298,317	145,280	153,037	87,954	43,302	44,652	465,135	236,030	229,105
Minnesota	262,437	128,248	134,189	82,287	41,039	41,248	269,931	140,924	129,007
Mississippi	33,347	15,787	17,560	18,279	9,095	9,184	86,252	49,040	37,213

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

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

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

Table A.6 - continued

Annual Populations Averaged Over 2011-2015

By State, Race/Ethnicity and Sex

State	Asian/Pacific Islander			American Indian/Alaska Native			Hispanic ^a		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	130,398	62,263	68,135	41,026	20,632	20,394	231,338	120,033	111,305
Montana	9,380	4,049	5,330	72,910	36,160	36,750	33,648	17,083	16,565
Nebraska	45,065	21,903	23,162	28,202	14,172	14,030	186,187	97,558	88,629
Nevada	268,671	123,220	145,451	52,593	26,102	26,490	769,732	391,680	378,052
New Hampshire	35,215	16,789	18,426	4,767	2,471	2,296	41,761	21,157	20,604
New Jersey	852,620	415,373	437,247	60,911	31,260	29,651	1,684,603	846,993	837,610
New Mexico	41,000	18,970	22,030	229,844	111,819	118,026	988,170	490,605	497,565
New York	1,709,315	819,777	889,538	221,070	110,366	110,704	3,613,281	1,783,175	1,830,107
North Carolina	284,037	137,058	146,979	163,451	81,009	82,442	863,082	453,071	410,011
North Dakota	10,403	5,299	5,104	42,390	20,900	21,491	20,883	11,292	9,591
Ohio	248,656	119,786	128,871	40,668	20,272	20,396	389,630	200,233	189,396
Oklahoma	91,529	44,079	47,450	403,969	199,919	204,050	369,688	194,224	175,464
Oregon	199,476	93,494	105,981	85,406	43,272	42,133	482,679	250,868	231,811
Pennsylvania	429,788	207,157	222,631	51,418	25,748	25,670	814,251	415,818	398,433
Rhode Island	38,941	18,453	20,489	11,346	5,556	5,790	144,054	71,822	72,233
South Carolina	80,753	38,156	42,597	27,923	14,473	13,450	252,130	136,663	115,467
South Dakota	11,753	5,809	5,943	80,595	39,741	40,854	28,408	15,286	13,122
Tennessee	122,139	58,110	64,029	30,294	16,028	14,265	317,958	169,642	148,317
Texas	1,269,776	619,491	650,286	293,235	150,324	142,911	10,183,083	5,121,680	5,061,404
Utah	106,778	52,185	54,593	49,424	24,849	24,575	387,790	199,418	188,373
Vermont	10,225	4,625	5,601	3,085	1,543	1,542	10,514	5,294	5,220
Virginia	553,110	262,647	290,463	48,371	24,997	23,374	706,731	365,973	340,758
Washington	658,815	310,095	348,719	157,975	79,173	78,801	829,851	429,978	399,873
West Virginia	16,126	7,666	8,460	4,446	2,369	2,077	25,571	13,709	11,862
Wisconsin	158,702	77,438	81,264	71,130	35,593	35,537	362,970	188,731	174,238
Wyoming	6,613	3,065	3,548	16,854	8,539	8,315	55,455	29,091	26,364

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

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

Table A.7

Annual Populations Averaged Over 2011-2015

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	38,339,578	19,044,922	19,294,656	28,877,369	14,467,092	14,410,276	2,774,111	1,371,591	1,402,520
Greater Bay Area	7,138,847	3,548,585	3,590,262	4,566,738	2,306,248	2,260,491	504,868	248,064	256,804
San Francisco-Oakland, SMSA	4,521,337	2,230,051	2,291,286	2,811,646	1,415,472	1,396,174	419,170	202,008	217,162
San Jose-Monterey	2,617,510	1,318,534	1,298,977	1,755,092	890,776	864,316	85,698	46,056	39,642
Los Angeles	10,007,267	4,930,159	5,077,108	7,296,934	3,647,425	3,649,509	975,902	461,221	514,681
Greater California	21,193,463	10,566,178	10,627,285	17,013,696	8,513,419	8,500,277	1,293,342	662,306	631,035
Connecticut	3,591,259	1,750,994	1,840,265	2,968,607	1,451,248	1,517,359	433,827	207,604	226,223
Metropolitan Detroit	3,861,361	1,867,452	1,993,909	2,668,335	1,312,673	1,355,662	1,000,291	460,373	539,919
Georgia	9,999,569	4,879,166	5,120,403	6,319,000	3,141,421	3,177,579	3,220,984	1,512,368	1,708,616
Metropolitan Atlanta	3,540,372	1,712,333	1,828,039	1,784,163	892,433	891,730	1,468,268	677,500	790,768
Rural Georgia	125,430	61,898	63,531	73,642	36,888	36,754	50,437	24,330	26,107
Greater Georgia	6,333,767	3,104,935	3,228,832	4,461,195	2,212,100	2,249,095	1,702,279	810,538	891,742
Hawaii	1,403,534	704,432	699,102	350,828	189,486	161,341	39,367	23,179	16,188
Iowa	3,092,698	1,535,395	1,557,303	2,881,771	1,426,160	1,455,611	120,725	63,784	56,941
Kentucky	4,398,460	2,166,024	2,232,435	3,936,779	1,937,199	1,999,580	381,897	189,993	191,905
Louisiana	4,624,415	2,263,077	2,361,338	2,971,012	1,473,397	1,497,616	1,527,402	727,148	800,254
New Jersey	8,894,808	4,338,298	4,556,509	6,611,133	3,243,183	3,367,950	1,370,144	648,481	721,662
New Mexico	2,082,017	1,030,115	1,051,902	1,750,689	866,747	883,942	60,484	32,579	27,905
Seattle-Puget Sound	4,785,250	2,385,808	2,399,442	3,807,358	1,905,533	1,901,826	294,505	155,487	139,018
Utah	2,901,407	1,459,038	1,442,369	2,697,868	1,355,686	1,342,183	47,337	26,318	21,019
SEER 9 Areas ^a	29,779,235	14,675,617	15,103,618	21,721,267	10,815,437	10,905,829	3,883,973	1,848,832	2,035,141
SEER 13 Areas ^a	43,262,462	21,368,950	21,893,512	31,363,689	15,663,570	15,700,120	5,030,678	2,399,542	2,631,137
SEER 18 Areas ^a	88,707,374	43,807,462	44,899,912	66,357,505	33,042,868	33,314,637	11,305,743	5,438,008	5,867,735

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

^a The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.7 - continued

Annual Populations Averaged Over 2011-2015

By SEER Registry, Race/Ethnicity and Sex

Area	Asian/Pacific Islander			Hispanic ^a		
	Both Sexes	Males	Females	Both Sexes	Males	Females
California	5,932,865	2,824,721	3,108,144	14,708,856	7,408,175	7,300,681
Greater Bay Area	1,961,479	939,874	1,021,605	1,846,319	940,570	905,749
San Francisco-Oakland, SMSA	1,234,584	583,586	650,997	986,635	501,965	484,669
San Jose-Monterey	726,896	356,288	370,608	859,684	438,604	421,080
Los Angeles	1,563,312	734,796	828,516	4,827,509	2,408,085	2,419,424
Greater California	2,408,074	1,150,051	1,258,023	8,035,029	4,059,521	3,975,508
Connecticut	167,229	81,214	86,015	524,953	262,173	262,780
Metropolitan Detroit	171,428	84,306	87,122	164,419	82,820	81,599
Georgia	403,695	196,051	207,645	909,713	482,565	427,148
Metropolitan Atlanta	265,609	130,610	134,999	437,749	230,161	207,587
Rural Georgia	857	414	443	4,747	2,735	2,012
Greater Georgia	137,229	65,027	72,203	467,217	249,668	217,549
Hawaii	1,006,936	488,304	518,632	132,222	67,744	64,477
Iowa	73,332	36,977	36,355	167,974	88,052	79,922
Kentucky	66,383	31,850	34,533	144,407	79,131	65,275
Louisiana	87,900	43,400	44,501	215,841	117,173	98,668
New Jersey	852,620	415,373	437,247	1,684,603	846,993	837,610
New Mexico	41,000	18,970	22,030	988,170	490,605	497,565
Seattle-Puget Sound	587,829	276,965	310,864	440,713	229,397	211,316
Utah	106,778	52,185	54,593	387,790	199,418	188,373
SEER 9 Areas ^b	3,654,725	1,753,119	1,901,606	4,230,623	2,152,335	2,078,289
SEER 13 Areas ^b	6,002,883	2,872,154	3,130,728	9,969,714	5,026,456	4,943,258
SEER 18 Areas ^b	9,555,089	4,577,854	4,977,235	20,516,810	10,378,942	10,137,868

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

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

^b The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.7 - continued

Annual Populations Averaged Over 2011-2015

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	124,503	63,058	61,445	124,503	63,058	61,445	0	0
California	755,233	381,518	373,715	315,162	158,264	156,899	440,071	223,254	216,816
Greater Bay Area	105,762	54,399	51,363	0	0	0	105,762	54,399	51,363
San Francisco- Oakland, SMSA	55,937	28,984	26,953	0	0	0	55,937	28,984	26,953
San Jose-Monterey	49,825	25,414	24,410	0	0	0	49,825	25,414	24,410
Los Angeles	171,120	86,718	84,402	0	0	0	171,120	86,718	84,402
Greater California	478,352	240,402	237,950	315,162	158,264	156,899	163,189	82,138	81,051
Connecticut	21,595	10,927	10,668	21,595	10,927	10,668	0	0	0
Metropolitan Detroit	21,306	10,100	11,206	0	0	0	21,306	10,100	11,206
Georgia	55,890	29,327	26,563	0	0	0	55,890	29,327	26,563
Metropolitan Atlanta	22,332	11,790	10,542	0	0	0	22,332	11,790	10,542
Rural Georgia	494	266	228	0	0	0	494	266	228
Greater Georgia	33,063	17,270	15,793	0	0	0	33,063	17,270	15,793
Hawaii	6,404	3,462	2,942	0	0	0	6,404	3,462	2,942
Iowa	16,870	8,474	8,396	5,501	2,716	2,785	11,369	5,758	5,611
Kentucky	13,400	6,983	6,417	0	0	0	13,400	6,983	6,417
Louisiana	38,100	19,132	18,968	4,265	2,139	2,126	33,836	16,993	16,842
New Jersey	60,911	31,260	29,651	0	0	0	60,911	31,260	29,651
New Mexico	229,844	111,819	118,026	216,413	105,006	111,408	13,431	6,813	6,618
Seattle-Puget Sound	95,557	47,822	47,735	95,557	47,822	47,735	0	0	0
Utah	49,424	24,849	24,575	24,640	12,229	12,411	24,784	12,620	12,164
SEER 9 Areas ^a	519,270	258,228	261,042	363,707	178,700	185,007	155,563	79,528	76,035
SEER 13 Areas ^a	865,211	433,684	431,527	488,210	241,758	246,452	377,002	191,927	185,075
SEER 18 Areas ^a	1,489,037	748,732	740,306	807,637	402,161	405,476	681,401	346,571	334,830

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

^a The SEER 9 areas are San Francisco, Connecticut, Detroit, Hawaii, Iowa, New Mexico, Seattle, Utah and Atlanta.

The SEER 13 areas comprise the SEER 9 areas plus San Jose-Monterey, Los Angeles, 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.8

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	World (WHO 2000-2025) Standard
All Ages	1,000,000
Ages 0-4	88,569
Ages 5-9	86,870
Ages 10-14	85,970
Ages 15-19	84,670
Ages 20-24	82,171
Ages 25-29	79,272
Ages 30-34	76,073
Ages 35-39	71,475
Ages 40-44	65,877
Ages 45-49	60,379
Ages 50-54	53,681
Ages 55-59	45,484
Ages 60-64	37,187
Ages 65-69	29,590
Ages 70-74	22,092
Ages 75-79	15,195
Ages 80-84	9,097
Ages 85+	6,348

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.

For more information about the standards listed here and additional population standards, please visit the [SEER website](#).

Table A.9
All Cancer Sites (Invasive)

SEER Follow-Up Rates^a for Cases Diagnosed 1975-2014
By Registry, Sex, and Age

	Males				Females			
	All Ages	0-19	20-64	65+	All Ages	0-19	20-64	65+
<u>Followed Into 2014</u>								
Registry								
Standard 9 registries	98.92	94.62	98.30	99.51	97.92	93.11	96.72	99.23
San Francisco-Oakland	98.46	92.51	97.81	99.13	97.68	92.81	96.38	99.06
Connecticut	99.01	94.92	98.31	99.58	97.87	93.23	96.24	99.37
Metropolitan Detroit	98.97	96.00	98.37	99.51	97.60	95.80	96.24	98.95
Hawaii	98.40	92.13	97.50	99.17	97.07	87.91	95.77	98.81
Iowa	99.76	98.18	99.50	99.94	99.49	98.31	99.15	99.77
New Mexico	98.27	89.29	97.46	99.05	96.62	92.31	94.89	98.57
Seattle-Puget Sound	99.41	94.57	99.03	99.81	98.99	88.92	98.54	99.67
Utah	98.92	93.80	98.14	99.74	97.45	89.78	96.23	99.42
Metropolitan Atlanta	98.06	95.97	97.37	98.96	96.47	97.71	95.01	98.47
<u>Followed Into 2015</u>								
Registry								
Standard 9 registries	98.59	92.42	97.79	99.36	97.39	91.56	95.89	99.01
San Francisco-Oakland	98.08	90.70	97.31	98.87	97.07	90.94	95.54	98.70
Connecticut	98.72	92.51	97.74	99.54	97.16	91.94	94.89	99.22
Metropolitan Detroit	98.67	92.67	97.95	99.37	97.11	94.32	95.50	98.75
Hawaii	98.03	88.98	96.84	99.06	96.42	87.91	94.67	98.68
Iowa	99.66	97.87	99.30	99.91	99.31	98.31	98.83	99.68
New Mexico	97.64	87.50	96.32	98.81	95.68	89.74	93.35	98.31
Seattle-Puget Sound	99.17	92.84	98.73	99.66	98.74	86.39	98.21	99.57
Utah	98.46	89.92	97.34	99.67	97.01	88.69	95.47	99.40
Metropolitan Atlanta	97.45	94.14	96.64	98.54	95.58	94.95	94.05	97.73

^a Represents the percentage of first primaries diagnosed 1975-2014 and followed into the specified year.