

Table A.1

Number of Incidence Cases, 2013-2017

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

Site	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	77,344	54,410	22,934	64,057	45,541	18,516	6,509	4,439	2,070
Esophagus	28,893	22,381	6,512	24,474	19,227	5,247	2,742	1,886	856
Stomach	48,207	29,189	19,018	33,922	21,028	12,894	6,979	3,950	3,029
Colon & Rectum	251,894	131,263	120,631	196,138	102,514	93,624	31,301	15,706	15,595
Colon	175,976	87,350	88,626	137,804	68,547	69,257	22,641	10,969	11,672
Rectum	75,918	43,913	32,005	58,334	33,967	24,367	8,660	4,737	3,923
Liver & IBD <sup>a</sup>	62,676	44,794	17,882	44,833	32,047	12,786	8,549	6,224	2,325
Pancreas	87,504	44,489	43,015	70,018	36,111	33,907	10,708	5,036	5,672
Larynx	19,735	15,764	3,971	15,887	12,673	3,214	2,934	2,313	621
Lung & Bronchus	360,979	182,843	178,136	297,757	148,644	149,113	38,576	20,692	17,884
Melanoma of the skin	147,565	86,767	60,798	138,300	81,843	56,457	691	319	372
Breast	450,299	3,705	446,594	355,421	2,942	352,479	52,112	544	51,568
Cervix uteri	22,834	-	22,834	16,498	-	16,498	3,493	-	3,493
Corpus & Uterus, NOS	101,630	-	101,630	79,977	-	79,977	12,022	-	12,022
Ovary <sup>b</sup>	39,263	-	39,263	31,631	-	31,631	3,782	-	3,782
Prostate	354,648	354,648	-	264,544	264,544	-	57,679	57,679	-
Testis	17,083	17,083	-	15,045	15,045	-	610	610	-
Urinary bladder	131,859	99,964	31,895	116,346	88,837	27,509	7,827	5,292	2,535
Kidney & Renal pelvis	108,080	68,993	39,087	87,429	56,162	31,267	13,038	7,996	5,042
Brain & ONS <sup>a</sup>	40,128	22,422	17,706	34,298	19,264	15,034	2,911	1,552	1,359
Thyroid	96,401	24,378	72,023	76,256	20,123	56,133	7,192	1,331	5,861
Hodgkin lymphoma	15,752	8,631	7,121	12,498	6,850	5,648	2,079	1,122	957
Non-Hodgkin lymphoma	127,770	70,287	57,483	106,074	58,703	47,371	10,709	5,633	5,076
Myeloma	46,834	26,222	20,612	33,899	19,603	14,296	9,655	4,829	4,826
Leukemia	90,658	52,623	38,035	75,722	44,379	31,343	7,713	4,112	3,601
Acute lymphocytic	9,882	5,540	4,342	8,007	4,551	3,456	766	402	364
Chronic lymphocytic	33,347	20,155	13,192	29,024	17,550	11,474	2,316	1,363	953
Acute myeloid	27,336	15,045	12,291	22,342	12,483	9,859	2,607	1,292	1,315
Chronic myeloid	12,306	7,223	5,083	9,889	5,850	4,039	1,293	692	601
All others	7,787	4,660	3,127	6,460	3,945	2,515	731	363	368
Kaposi Sarcoma	2,913	2,594	319	1,774	1,574	200	778	705	73
Mesothelioma	5,737	4,268	1,469	5,165	3,861	1,304	299	212	87
All Sites	2,931,345	1,460,004	1,471,341	2,355,086	1,176,509	1,178,577	322,397	161,697	160,700

Source: SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

<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, 2013-2017

By Primary Cancer Site, Race and Sex  
21 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	5,375	3,474	1,901	327	226	101	4,563	3,051	1,512
Esophagus	1,348	1,020	328	143	105	38	1,714	1,354	360
Stomach	6,380	3,699	2,681	292	179	113	6,855	3,746	3,109
Colon & Rectum	19,716	10,555	9,161	1,383	661	722	23,274	12,365	10,909
Colon	12,664	6,385	6,279	925	420	505	15,518	7,806	7,712
Rectum	7,052	4,170	2,882	458	241	217	7,756	4,559	3,197
Liver & IBD <sup>c</sup>	8,013	5,603	2,410	584	404	180	9,313	6,492	2,821
Pancreas	5,918	2,866	3,052	332	188	144	7,218	3,494	3,724
Larynx	621	541	80	76	58	18	1,247	1,059	188
Lung & Bronchus	21,628	11,985	9,643	1,262	625	637	16,244	8,304	7,940
Melanoma of the skin	844	431	413	205	100	105	3,759	1,645	2,114
Breast	35,814	182	35,632	1,632	-	1,628	39,215	208	39,007
Cervix uteri	2,226	-	2,226	163	-	163	3,956	-	3,956
Corpus & Uterus, NOS	7,725	-	7,725	425	-	425	9,761	-	9,761
Ovary <sup>d</sup>	3,256	-	3,256	171	-	171	4,226	-	4,226
Prostate	15,781	15,781	-	871	871	-	25,396	25,396	-
Testis	739	739	-	129	129	-	3,347	3,347	-
Urinary bladder	5,232	3,966	1,266	309	227	82	6,258	4,679	1,579
Kidney & Renal pelvis	5,489	3,515	1,974	686	407	279	12,172	7,403	4,769
Brain & ONS <sup>c</sup>	2,317	1,269	1,048	141	83	58	4,245	2,293	1,952
Thyroid	10,145	2,346	7,799	395	77	318	11,851	2,280	9,571
Hodgkin lymphoma	805	446	359	53	26	27	2,043	1,111	932
Non-Hodgkin lymphoma	8,222	4,483	3,739	388	180	208	12,367	6,522	5,845
Myeloma	2,409	1,327	1,082	189	98	91	4,117	2,238	1,879
Leukemia	4,787	2,671	2,116	320	195	125	8,725	4,935	3,790
Acute lymphocytic	839	441	398	85	47	38	2,929	1,683	1,246
Chronic lymphocytic	693	421	272	57	41	16	1,260	721	539
Acute myeloid	2,077	1,102	975	90	53	37	2,611	1,376	1,235
Chronic myeloid	760	471	289	55	34	21	1,160	694	466
All others	418	236	182	33	20	-	765	461	304
Kaposi Sarcoma	117	108	-	-	-	-	522	477	45
Mesothelioma	209	156	53	18	-	-	502	368	134
All Sites	187,188	82,975	104,213	11,377	5,279	6,098	241,621	111,425	130,196

Source: SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

<sup>a</sup> Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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, 2013-2017

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

Site	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Oral Cavity & Pharynx	0.04	0.08	0.04	0.05	0.09	0.05	0.11	0.21	0.11
Esophagus	0.03	0.05	0.02	0.03	0.06	0.03	0.07	0.15	0.07
Stomach	0.03	0.06	0.04	0.04	0.06	0.04	0.13	0.24	0.14
Colon & Rectum	0.08	0.12	0.10	0.09	0.14	0.11	0.25	0.44	0.31
Colon	0.07	0.10	0.08	0.07	0.11	0.10	0.22	0.37	0.27
Rectum	0.04	0.07	0.05	0.05	0.08	0.06	0.13	0.23	0.15
Liver & IBD <sup>a</sup>	0.04	0.07	0.04	0.04	0.07	0.04	0.12	0.24	0.11
Pancreas	0.05	0.07	0.06	0.05	0.08	0.06	0.15	0.25	0.19
Larynx	0.02	0.04	0.02	0.02	0.05	0.02	0.07	0.16	0.06
Lung & Bronchus	0.09	0.15	0.12	0.10	0.16	0.14	0.29	0.53	0.33
Melanoma of the skin	0.06	0.10	0.07	0.07	0.12	0.09	0.04	0.07	0.05
Breast	0.10	0.02	0.20	0.12	0.02	0.23	0.32	0.08	0.56
Cervix uteri	0.03	-	0.05	0.03	-	0.06	0.08	-	0.15
Corpus & Uterus, NOS	0.05	-	0.09	0.05	-	0.10	0.15	-	0.26
Ovary <sup>b</sup>	0.03	-	0.06	0.04	-	0.07	0.09	-	0.15
Prostate	0.09	0.19	-	0.09	0.20	-	0.32	0.77	-
Testis	0.02	0.05	-	0.03	0.06	-	0.03	0.07	-
Urinary bladder	0.06	0.11	0.05	0.07	0.13	0.06	0.14	0.29	0.13
Kidney & Renal pelvis	0.05	0.09	0.06	0.06	0.10	0.07	0.16	0.29	0.17
Brain & ONS <sup>a</sup>	0.03	0.05	0.04	0.04	0.06	0.05	0.07	0.12	0.09
Thyroid	0.05	0.05	0.09	0.06	0.06	0.11	0.12	0.11	0.19
Hodgkin lymphoma	0.02	0.03	0.03	0.03	0.04	0.03	0.06	0.09	0.08
Non-Hodgkin lymphoma	0.06	0.09	0.07	0.06	0.11	0.08	0.15	0.25	0.18
Myeloma	0.03	0.06	0.04	0.04	0.06	0.04	0.15	0.25	0.18
Leukemia	0.05	0.08	0.06	0.06	0.09	0.07	0.13	0.23	0.15
Acute lymphocytic	0.02	0.03	0.02	0.02	0.03	0.03	0.04	0.05	0.05
Chronic lymphocytic	0.03	0.05	0.03	0.03	0.06	0.04	0.07	0.14	0.08
Acute myeloid	0.03	0.04	0.03	0.03	0.05	0.04	0.07	0.13	0.09
Chronic myeloid	0.02	0.03	0.02	0.02	0.03	0.02	0.05	0.09	0.06
All others	0.01	0.02	0.02	0.02	0.03	0.02	0.04	0.07	0.05
Kaposi Sarcoma	0.01	0.02	0.01	0.01	0.02	0.00	0.04	0.08	0.02
Mesothelioma	0.01	0.02	0.01	0.01	0.03	0.01	0.03	0.06	0.02
All Sites	0.26	0.41	0.35	0.30	0.46	0.41	0.80	1.36	0.99

Source: SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

<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.

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

Table A.2

## Standard Errors of Incidence Rates, 2013-2017

By Primary Cancer Site, Race and Sex  
21 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	0.12	0.21	0.13	0.47	0.83	0.51	0.10	0.18	0.11
Esophagus	0.06	0.12	0.05	0.34	0.66	0.30	0.07	0.14	0.06
Stomach	0.14	0.24	0.16	0.52	0.90	0.60	0.13	0.22	0.16
Colon & Rectum	0.23	0.38	0.28	1.11	1.71	1.47	0.23	0.38	0.29
Colon	0.19	0.30	0.24	0.93	1.41	1.25	0.19	0.31	0.25
Rectum	0.13	0.23	0.16	0.60	0.96	0.77	0.13	0.22	0.15
Liver & IBD <sup>c</sup>	0.15	0.27	0.15	0.65	1.15	0.70	0.15	0.27	0.16
Pancreas	0.13	0.21	0.17	0.58	1.03	0.68	0.14	0.22	0.18
Larynx	0.04	0.09	0.03	0.26	0.51	0.22	0.06	0.12	0.04
Lung & Bronchus	0.25	0.43	0.30	1.13	1.88	1.41	0.22	0.38	0.27
Melanoma of the skin	0.05	0.08	0.06	0.39	0.65	0.50	0.09	0.14	0.12
Breast	0.30	0.05	0.55	1.11	-	2.04	0.27	0.05	0.51
Cervix uteri	0.08	-	0.14	0.33	-	0.63	0.08	-	0.15
Corpus & Uterus, NOS	0.14	-	0.25	0.54	-	1.00	0.13	-	0.25
Ovary <sup>d</sup>	0.09	-	0.17	0.36	-	0.66	0.09	-	0.17
Prostate	0.20	0.46	-	0.87	2.01	-	0.25	0.57	-
Testis	0.04	0.09	-	0.24	0.47	-	0.05	0.10	-
Urinary bladder	0.13	0.26	0.11	0.58	1.18	0.52	0.14	0.29	0.12
Kidney & Renal pelvis	0.12	0.22	0.13	0.72	1.22	0.85	0.16	0.28	0.18
Brain & ONS <sup>c</sup>	0.08	0.13	0.10	0.30	0.52	0.35	0.08	0.13	0.11
Thyroid	0.16	0.17	0.26	0.49	0.48	0.84	0.13	0.13	0.22
Hodgkin lymphoma	0.05	0.07	0.06	0.19	0.27	0.26	0.05	0.08	0.07
Non-Hodgkin lymphoma	0.15	0.25	0.18	0.59	0.88	0.79	0.17	0.28	0.21
Myeloma	0.08	0.14	0.10	0.44	0.74	0.54	0.10	0.17	0.13
Leukemia	0.12	0.20	0.14	0.48	0.85	0.56	0.12	0.21	0.15
Acute lymphocytic	0.05	0.08	0.07	0.18	0.26	0.24	0.05	0.08	0.07
Chronic lymphocytic	0.04	0.08	0.05	0.24	0.47	0.23	0.06	0.11	0.07
Acute myeloid	0.08	0.13	0.10	0.26	0.43	0.32	0.07	0.12	0.09
Chronic myeloid	0.05	0.08	0.05	0.20	0.35	0.24	0.05	0.08	0.05
All others	0.03	0.06	0.04	0.18	0.34	-	0.04	0.07	0.05
Kaposi Sarcoma	0.02	0.04	-	-	-	-	0.03	0.06	0.02
Mesothelioma	0.03	0.05	0.02	0.14	-	-	0.04	0.08	0.03
All Sites	0.71	1.08	0.96	3.08	4.82	4.07	0.73	1.17	0.96

Source: SEER 21 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, Georgia excluding ATL/RG, Idaho, New York and Massachusetts).

<sup>a</sup> Incidence data for American Indian/Alaska Native are based on the Purchased/Referred Care Delivery Area (PRCDA) 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.

- 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, 2013-2017

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	48,304	34,262	14,042	40,722	28,796	11,926	5,469	3,994	1,475
Esophagus	75,615	60,502	15,113	67,407	54,578	12,829	6,375	4,490	1,885
Stomach	56,493	33,857	22,636	41,568	25,039	16,529	9,924	6,035	3,889
Colon & Rectum	260,693	137,311	123,382	215,213	113,508	101,705	35,307	18,426	16,881
Liver & IBD <sup>a</sup>	128,163	86,424	41,739	100,762	67,640	33,122	17,986	12,495	5,491
Pancreas	207,797	106,818	100,979	174,996	91,150	83,846	25,327	12,073	13,254
Larynx	18,823	15,032	3,791	15,280	12,184	3,096	3,150	2,518	632
Lung & Bronchus	760,138	413,631	346,507	655,810	354,016	301,794	81,365	46,694	34,671
Melanoma of the skin	43,847	28,948	14,899	42,834	28,433	14,401	650	326	324
Breast	209,447	2,366	207,081	170,609	1,909	168,700	31,788	405	31,383
Cervix uteri	20,902	-	20,902	15,877	-	15,877	3,930	-	3,930
Corpus & Uterus, NOS	50,875	-	50,875	39,176	-	39,176	9,819	-	9,819
Ovary	70,807	-	70,807	61,371	-	61,371	6,730	-	6,730
Prostate	145,728	145,728	-	118,210	118,210	-	24,036	24,036	-
Testis	2,024	2,024	-	1,827	1,827	-	118	118	-
Urinary bladder	81,089	58,001	23,088	73,315	53,280	20,035	6,128	3,601	2,527
Kidney & Renal pelvis	70,072	45,704	24,368	61,168	39,977	21,191	6,797	4,341	2,456
Brain & ONS <sup>a</sup>	81,246	45,528	35,718	73,478	41,370	32,108	5,353	2,882	2,471
Thyroid	9,510	4,333	5,177	8,022	3,794	4,228	919	315	604
Hodgkin lymphoma	5,296	3,069	2,227	4,616	2,684	1,932	527	298	229
Non-Hodgkin lymphoma	101,381	56,781	44,600	90,107	50,617	39,490	7,636	4,136	3,500
Myeloma	60,732	33,305	27,427	47,924	26,944	20,980	11,136	5,446	5,690
Leukemia	116,774	67,494	49,280	103,188	60,096	43,092	10,014	5,324	4,690
Acute lymphocytic	7,474	4,253	3,221	6,444	3,703	2,741	654	343	311
Chronic lymphocytic	21,863	13,097	8,766	19,898	11,940	7,958	1,738	1,008	730
Acute myeloid	50,698	28,967	21,731	44,541	25,712	18,829	4,204	2,136	2,068
Chronic myeloid	5,468	3,125	2,343	4,768	2,721	2,047	551	316	235
All others	31,271	18,052	13,219	27,537	16,020	11,517	2,867	1,521	1,346
All Sites	2,969,607	1,562,358	1,407,249	2,518,943	1,333,233	1,185,710	347,801	176,434	171,367

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.

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

Table A.3

## Number of Deaths, 2013-2017

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	1,845	1,272	573	197	148	49	2,644	1,907	737
Esophagus	1,420	1,097	323	301	241	60	3,428	2,764	664
Stomach	4,497	2,481	2,016	396	237	159	8,800	4,927	3,873
Colon & Rectum	8,454	4,425	4,029	1,297	715	582	18,852	10,652	8,200
Liver & IBD <sup>c</sup>	8,140	5,431	2,709	938	617	321	16,216	10,783	5,433
Pancreas	6,448	3,069	3,379	717	377	340	13,882	6,907	6,975
Larynx	270	229	41	76	63	-	1,122	1,004	118
Lung & Bronchus	18,953	10,748	8,205	2,674	1,401	1,273	27,556	16,265	11,291
Melanoma of the skin	288	143	145	57	35	22	1,212	720	492
Breast	6,040	47	5,993	679	-	678	14,282	114	14,168
Cervix uteri	926	-	926	133	-	133	2,857	-	2,857
Corpus & Uterus, NOS	1,651	-	1,651	167	-	167	3,907	-	3,907
Ovary	2,308	-	2,308	306	-	306	5,020	-	5,020
Prostate	2,758	2,758	-	510	510	-	9,148	9,148	-
Testis	43	43	-	25	25	-	403	403	-
Urinary bladder	1,368	930	438	194	124	70	3,416	2,338	1,078
Kidney & Renal pelvis	1,531	999	532	457	310	147	5,898	3,836	2,062
Brain & ONS <sup>c</sup>	2,074	1,094	980	240	120	120	5,898	3,196	2,702
Thyroid	508	195	313	39	19	20	1,049	436	613
Hodgkin lymphoma	129	76	53	19	-	-	662	369	293
Non-Hodgkin lymphoma	3,198	1,776	1,422	324	189	135	7,548	4,243	3,305
Myeloma	1,346	747	599	247	119	128	4,279	2,336	1,943
Leukemia	3,090	1,789	1,301	341	204	137	8,470	4,722	3,748
Acute lymphocytic	298	166	132	64	34	30	1,747	1,013	734
Chronic lymphocytic	187	123	64	23	16	-	650	373	277
Acute myeloid	1,746	1,005	741	144	78	66	3,479	1,876	1,603
Chronic myeloid	124	71	53	16	-	-	410	259	151
All others	735	424	311	94	63	31	2,184	1,201	983
All Sites	86,376	43,877	42,499	11,787	6,213	5,574	189,210	98,796	90,414

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 Purchased/Referred Care Delivery Area (PRCDA) 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, 2013-2017  
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	0.03
Esophagus	0.01	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	0.11	0.06
Colon & Rectum	0.03	0.05	0.03	0.03	0.05	0.04	0.10	0.18	0.12
Liver & IBD <sup>a</sup>	0.02	0.03	0.02	0.02	0.04	0.02	0.07	0.13	0.07
Pancreas	0.02	0.04	0.03	0.03	0.04	0.03	0.09	0.15	0.11
Larynx	0.01	0.01	0.01	0.01	0.02	0.01	0.03	0.07	0.02
Lung & Bronchus	0.05	0.08	0.06	0.05	0.08	0.06	0.15	0.29	0.17
Melanoma of the skin	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.02	0.02
Breast	0.03	0.01	0.05	0.03	0.01	0.05	0.09	0.03	0.16
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	0.01	-	0.03	0.02	-	0.03	0.04	-	0.07
Prostate	0.02	0.05	-	0.02	0.05	-	0.09	0.26	-
Testis	0.00	0.01	-	0.00	0.01	-	0.01	0.01	-
Urinary bladder	0.02	0.03	0.01	0.02	0.03	0.02	0.05	0.09	0.05
Kidney & Renal pelvis	0.01	0.03	0.02	0.02	0.03	0.02	0.04	0.09	0.05
Brain & ONS <sup>a</sup>	0.02	0.03	0.02	0.02	0.03	0.02	0.04	0.06	0.04
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	0.00	0.00	0.01	0.01	0.01	0.02	0.01
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	0.02	0.02	0.06	0.11	0.07
Leukemia	0.02	0.03	0.02	0.02	0.04	0.02	0.06	0.10	0.06
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	0.02	0.05	0.03
Acute myeloid	0.01	0.02	0.02	0.01	0.02	0.02	0.04	0.06	0.04
Chronic myeloid	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.02	0.01
All others	0.01	0.02	0.01	0.01	0.02	0.01	0.03	0.06	0.03
All Sites	0.09	0.15	0.12	0.10	0.17	0.13	0.32	0.58	0.38

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, 2013-2017  
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	0.05	0.09	0.05	0.16	0.31	0.16	0.03	0.06	0.03
Esophagus	0.04	0.09	0.04	0.21	0.44	0.17	0.04	0.07	0.03
Stomach	0.08	0.14	0.09	0.26	0.45	0.29	0.06	0.10	0.07
Colon & Rectum	0.11	0.18	0.13	0.47	0.80	0.56	0.08	0.15	0.10
Liver & IBD <sup>c</sup>	0.10	0.19	0.11	0.37	0.65	0.42	0.08	0.14	0.08
Pancreas	0.10	0.15	0.12	0.35	0.58	0.44	0.08	0.12	0.10
Larynx	0.02	0.04	0.01	0.10	0.23	-	0.02	0.05	0.01
Lung & Bronchus	0.16	0.29	0.19	0.68	1.16	0.83	0.11	0.20	0.12
Melanoma of the skin	0.02	0.03	0.02	0.10	0.18	0.11	0.02	0.04	0.02
Breast	0.08	0.02	0.15	0.33	-	0.58	0.07	0.02	0.12
Cervix uteri	0.03	-	0.06	0.12	-	0.22	0.03	-	0.05
Corpus & Uterus, NOS	0.04	-	0.08	0.15	-	0.28	0.04	-	0.07
Ovary	0.05	-	0.09	0.21	-	0.37	0.04	-	0.08
Prostate	0.07	0.17	-	0.35	0.89	-	0.07	0.17	-
Testis	0.01	0.01	-	0.04	0.08	-	0.01	0.01	-
Urinary bladder	0.05	0.10	0.05	0.20	0.41	0.21	0.04	0.08	0.04
Kidney & Renal pelvis	0.05	0.09	0.05	0.28	0.52	0.29	0.05	0.09	0.05
Brain & ONS <sup>c</sup>	0.05	0.08	0.06	0.17	0.28	0.22	0.04	0.07	0.05
Thyroid	0.03	0.04	0.04	0.08	0.14	0.10	0.02	0.03	0.03
Hodgkin lymphoma	0.01	0.02	0.01	0.06	-	-	0.02	0.03	0.02
Non-Hodgkin lymphoma	0.07	0.12	0.08	0.25	0.44	0.29	0.06	0.10	0.07
Myeloma	0.04	0.08	0.05	0.22	0.36	0.27	0.04	0.07	0.05
Leukemia	0.07	0.12	0.07	0.23	0.40	0.27	0.05	0.09	0.06
Acute lymphocytic	0.02	0.03	0.02	0.08	0.12	0.10	0.02	0.03	0.02
Chronic lymphocytic	0.02	0.03	0.02	0.07	0.14	-	0.02	0.03	0.02
Acute myeloid	0.05	0.09	0.06	0.15	0.24	0.19	0.04	0.06	0.04
Chronic myeloid	0.01	0.02	0.02	0.05	-	-	0.01	0.02	0.01
All others	0.03	0.06	0.04	0.13	0.24	0.14	0.03	0.05	0.03
All Sites	0.34	0.58	0.42	1.41	2.41	1.72	0.27	0.47	0.33

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 Purchased/Referred Care Delivery Area (PRCDA) 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

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 2013-2017

## 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.	320,681,057	157,867,299	162,813,758	251,372,777	124,533,331	126,839,446	44,772,810	21,472,212	23,300,598
Alabama	4,853,193	2,351,507	2,501,686	3,416,806	1,679,123	1,737,683	1,321,998	617,134	704,864
Alaska	738,438	386,393	352,045	516,082	273,392	242,690	35,495	19,696	15,800
Arizona	6,839,353	3,400,137	3,439,215	5,797,673	2,881,475	2,916,198	372,863	192,983	179,880
Arkansas	2,979,818	1,463,784	1,516,034	2,406,864	1,188,950	1,217,914	481,931	230,039	251,891
California	38,893,516	19,321,728	19,571,789	29,107,973	14,585,914	14,522,059	2,803,392	1,388,477	1,414,915
Colorado	5,446,126	2,736,721	2,709,405	4,852,677	2,439,074	2,413,602	282,045	148,743	133,302
Connecticut	3,585,952	1,748,799	1,837,153	2,945,203	1,440,320	1,504,883	443,372	212,138	231,234
Delaware	940,788	455,251	485,537	673,082	328,118	344,964	221,862	104,696	117,166
Dist. of Columbia	674,093	319,868	354,225	303,205	151,888	151,317	334,903	152,085	182,818
Florida	20,250,908	9,902,467	10,348,441	15,964,881	7,841,721	8,123,161	3,530,133	1,702,973	1,827,160
Georgia	10,188,251	4,963,148	5,225,103	6,368,083	3,161,853	3,206,229	3,325,294	1,558,778	1,766,516
Hawaii	1,419,621	712,932	706,690	357,371	193,313	164,058	41,547	24,527	17,020
Idaho	1,659,273	831,199	828,074	1,575,171	789,245	785,926	19,277	10,727	8,550
Illinois	12,852,933	6,311,445	6,541,488	10,058,683	4,983,063	5,075,620	1,961,235	923,187	1,038,049
Indiana	6,612,724	3,258,746	3,353,979	5,738,175	2,833,508	2,904,668	685,662	331,279	354,383
Iowa	3,119,893	1,550,333	1,569,560	2,887,882	1,430,116	1,457,766	131,522	69,601	61,922
Kansas	2,905,172	1,446,883	1,458,289	2,562,488	1,273,477	1,289,011	205,574	105,794	99,780
Kentucky	4,427,480	2,181,084	2,246,396	3,949,197	1,943,862	2,005,335	391,305	194,803	196,501
Louisiana	4,656,533	2,277,788	2,378,745	2,981,672	1,478,227	1,503,445	1,545,535	735,240	810,295
Maine	1,330,775	651,720	679,054	1,278,072	625,284	652,787	24,167	13,212	10,955
Maryland	5,979,634	2,897,904	3,081,730	3,641,272	1,798,949	1,842,324	1,886,221	882,031	1,004,190
Massachusetts	6,792,551	3,294,329	3,498,222	5,661,649	2,747,449	2,914,200	623,692	302,927	320,765
Michigan	9,940,970	4,888,584	5,052,386	8,033,071	3,974,164	4,058,907	1,489,648	709,468	780,180
Minnesota	5,487,856	2,729,791	2,758,065	4,745,618	2,358,019	2,387,599	376,577	192,174	184,403
Mississippi	2,989,215	1,450,907	1,538,308	1,795,731	888,135	907,596	1,139,823	536,874	602,949

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 2013-2017

## By State, Race/Ethnicity and Sex

State	All Races			Whites			Blacks		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Missouri	6,072,902	2,979,899	3,093,003	5,131,852	2,529,550	2,602,302	759,906	362,634	397,272
Montana	1,031,982	519,215	512,767	936,861	471,774	465,086	9,343	5,406	3,937
Nebraska	1,891,988	942,981	949,007	1,705,009	848,642	856,367	107,021	54,874	52,148
Nevada	2,871,365	1,442,809	1,428,557	2,231,981	1,135,313	1,096,668	300,732	150,239	150,493
New Hampshire	1,337,613	661,726	675,887	1,267,820	626,266	641,553	24,744	13,702	11,042
New Jersey	8,871,814	4,329,074	4,542,740	6,559,155	3,218,448	3,340,707	1,380,601	654,956	725,645
New Mexico	2,091,906	1,035,729	1,056,177	1,750,091	866,996	883,095	62,240	33,704	28,536
New York	19,635,618	9,526,508	10,109,110	14,025,170	6,879,771	7,145,398	3,626,890	1,692,894	1,933,995
North Carolina	10,047,620	4,891,840	5,155,780	7,257,445	3,572,992	3,684,453	2,306,927	1,082,919	1,224,008
North Dakota	744,586	381,516	363,070	666,599	340,847	325,752	21,862	12,739	9,123
Ohio	11,619,306	5,689,658	5,929,648	9,717,257	4,775,553	4,941,703	1,583,393	759,796	823,597
Oklahoma	3,900,162	1,932,411	1,967,752	3,042,038	1,507,407	1,534,631	343,548	171,972	171,576
Oregon	4,028,386	1,995,194	2,033,192	3,612,328	1,789,743	1,822,585	109,172	58,148	51,024
Pennsylvania	12,785,093	6,255,813	6,529,280	10,678,952	5,238,922	5,440,030	1,591,052	767,642	823,409
Rhode Island	1,056,172	512,742	543,430	908,728	440,437	468,291	94,326	46,727	47,599
South Carolina	4,891,931	2,375,271	2,516,660	3,388,242	1,667,620	1,720,622	1,385,562	650,394	735,168
South Dakota	856,293	431,501	424,792	739,937	372,275	367,662	20,414	11,867	8,547
Tennessee	6,595,774	3,216,897	3,378,877	5,267,466	2,585,518	2,681,947	1,165,217	552,152	613,065
Texas	27,442,726	13,628,908	13,813,818	22,175,542	11,062,720	11,112,823	3,551,946	1,721,799	1,830,148
Utah	2,992,711	1,505,914	1,486,797	2,774,462	1,394,924	1,379,537	51,046	28,437	22,609
Vermont	624,959	308,521	316,438	600,385	296,222	304,162	10,204	5,614	4,591
Virginia	8,360,838	4,112,543	4,248,295	5,996,242	2,977,947	3,018,295	1,725,796	828,874	896,922
Washington	7,179,800	3,586,276	3,593,524	5,928,127	2,967,771	2,960,357	365,037	194,361	170,676
West Virginia	1,838,663	909,126	929,537	1,742,582	858,515	884,068	74,538	40,127	34,411
Wisconsin	5,763,068	2,864,247	2,898,822	5,101,489	2,538,765	2,562,724	416,079	204,826	211,253
Wyoming	582,713	297,535	285,177	548,437	279,752	268,685	10,139	5,823	4,316

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 2013-2017

## 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.	19,967,185	9,569,108	10,398,077	4,568,285	2,292,648	2,275,637	56,368,845	28,488,739	27,880,106
PRCDA counties <sup>b</sup>	-	-	-	2,432,617	1,209,225	1,223,392	-	-	-
Non-PRCDA counties <sup>b</sup>	-	-	-	2,135,668	1,083,424	1,052,245	-	-	-
Alabama	77,819	36,817	41,001	36,570	18,432	18,138	201,255	107,825	93,429
Alaska	60,344	29,176	31,168	126,516	64,129	62,387	50,538	26,614	23,923
Arizona	278,773	133,196	145,577	390,043	192,484	197,560	2,113,231	1,062,708	1,050,524
Arkansas	59,220	28,917	30,303	31,803	15,876	15,926	214,852	112,978	101,874
California	6,219,367	2,962,297	3,257,070	762,784	385,041	377,744	15,048,054	7,571,486	7,476,568
Colorado	209,124	97,311	111,813	102,281	51,593	50,688	1,159,281	590,245	569,035
Connecticut	175,033	85,024	90,009	22,344	11,317	11,026	548,744	273,642	275,101
Delaware	39,110	19,090	20,020	6,734	3,346	3,388	83,830	42,879	40,951
Dist. of Columbia	31,086	13,347	17,739	4,899	2,549	2,351	72,303	36,883	35,420
Florida	644,901	300,012	344,889	110,993	57,761	53,231	5,003,825	2,470,897	2,532,928
Georgia	437,260	212,432	224,828	57,614	30,085	27,529	945,356	497,034	448,322
Hawaii	1,014,191	491,559	522,632	6,512	3,533	2,980	139,272	71,492	67,780
Idaho	31,467	14,480	16,987	33,359	16,748	16,611	203,091	104,849	98,243
Illinois	745,408	360,269	385,140	87,606	44,926	42,680	2,154,903	1,104,204	1,050,698
Indiana	157,736	78,198	79,538	31,151	15,761	15,390	439,818	228,148	211,670
Iowa	82,695	41,747	40,948	17,793	8,868	8,925	178,835	93,342	85,493
Kansas	95,061	46,433	48,628	42,050	21,178	20,872	334,965	173,759	161,206
Kentucky	73,242	35,303	37,939	13,737	7,116	6,621	155,197	84,513	70,684
Louisiana	90,235	44,746	45,489	39,091	19,574	19,517	229,267	123,586	105,681
Maine	17,512	7,807	9,705	11,024	5,417	5,607	20,692	10,471	10,221
Maryland	412,321	196,620	215,702	39,819	20,304	19,515	568,982	295,969	273,013
Massachusetts	468,613	224,427	244,186	38,597	19,526	19,071	762,868	378,313	384,555
Michigan	328,606	160,873	167,732	89,645	44,079	45,566	487,624	247,735	239,889
Minnesota	280,868	137,311	143,557	84,793	42,287	42,506	285,298	148,281	137,017
Mississippi	34,922	16,605	18,317	18,739	9,293	9,446	91,251	51,351	39,900

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 Purchased/Referred Care Delivery Area (PRCDA) counties. All other race/ethnicities are not shown for these areas.

Table A.6 - continued

## Annual Populations Averaged Over 2013-2017

## 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	138,744	66,374	72,370	42,401	21,342	21,059	243,043	125,847	117,196
Montana	10,746	4,774	5,972	75,032	37,261	37,772	37,328	19,143	18,186
Nebraska	50,132	24,506	25,627	29,826	14,960	14,866	197,407	103,224	94,183
Nevada	283,670	129,962	153,708	54,982	27,295	27,687	808,122	410,285	397,837
New Hampshire	40,119	19,183	20,936	4,930	2,575	2,355	45,822	23,332	22,490
New Jersey	870,461	424,220	446,241	61,597	31,450	30,147	1,734,247	870,161	864,085
New Mexico	43,318	19,962	23,356	236,257	115,067	121,190	1,008,974	501,072	507,901
New York	1,760,910	842,897	918,013	222,649	110,945	111,704	3,675,735	1,812,281	1,863,454
North Carolina	315,271	152,739	162,532	167,977	83,191	84,786	908,661	473,946	434,715
North Dakota	12,079	6,202	5,877	44,047	21,728	22,319	25,252	13,602	11,650
Ohio	276,699	133,416	143,283	41,957	20,893	21,064	417,522	214,467	203,055
Oklahoma	100,940	48,457	52,484	413,636	204,575	209,062	395,924	207,341	188,583
Oregon	218,594	102,538	116,055	88,292	44,764	43,528	508,945	263,819	245,126
Pennsylvania	460,821	222,106	238,715	54,269	27,144	27,125	872,787	445,131	427,656
Rhode Island	41,160	19,702	21,458	11,958	5,876	6,082	154,201	77,349	76,851
South Carolina	89,305	42,347	46,958	28,820	14,909	13,911	266,643	142,722	123,921
South Dakota	13,252	6,525	6,727	82,690	40,834	41,856	31,560	17,199	14,361
Tennessee	131,271	62,474	68,797	31,820	16,753	15,067	341,203	180,944	160,259
Texas	1,410,579	688,242	722,337	304,658	156,148	148,510	10,686,326	5,377,148	5,309,178
Utah	115,419	56,501	58,918	51,784	26,051	25,733	409,402	210,037	199,365
Vermont	11,270	5,101	6,169	3,100	1,584	1,516	11,302	5,789	5,513
Virginia	589,217	280,025	309,193	49,582	25,698	23,884	750,294	387,700	362,593
Washington	722,098	341,577	380,521	164,538	82,568	81,970	882,982	457,019	425,962
West Virginia	16,957	8,049	8,908	4,585	2,435	2,150	27,723	14,925	12,798
Wisconsin	172,328	84,003	88,325	73,173	36,652	36,520	377,262	195,122	182,140
Wyoming	6,909	3,229	3,679	17,228	8,731	8,497	56,851	29,929	26,923

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.7

## Annual Populations Averaged Over 2013-2017

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	38,893,516	19,321,728	19,571,789	29,107,973	14,585,914	14,522,059	2,803,392	1,388,477	1,414,915
Greater Bay Area	7,302,500	3,634,089	3,668,411	4,606,891	2,329,336	2,277,556	505,765	249,415	256,349
San Francisco-Oakland, SMSA	4,631,586	2,287,106	2,344,480	2,845,601	1,435,060	1,410,541	418,860	202,657	216,203
San Jose-Monterey	2,670,915	1,346,983	1,323,931	1,761,290	894,276	867,014	86,905	46,758	40,146
Los Angeles	10,076,570	4,965,461	5,111,109	7,321,823	3,661,060	3,660,763	974,678	461,830	512,848
Greater California	21,514,446	10,722,177	10,792,269	17,179,259	8,595,518	8,583,741	1,322,949	677,231	645,718
Connecticut	3,585,952	1,748,799	1,837,153	2,945,203	1,440,320	1,504,883	443,372	212,138	231,234
Metropolitan Detroit	3,877,974	1,878,503	1,999,471	2,669,199	1,315,491	1,353,708	997,560	458,950	538,610
Georgia	10,188,251	4,963,148	5,225,103	6,368,083	3,161,853	3,206,229	3,325,294	1,558,778	1,766,516
Metropolitan Atlanta	3,641,574	1,756,742	1,884,832	1,802,156	899,907	902,250	1,531,225	704,803	826,422
Rural Georgia	124,948	61,576	63,372	73,792	36,870	36,923	49,667	23,958	25,709
Greater Georgia	6,421,729	3,144,830	3,276,899	4,492,134	2,225,077	2,267,057	1,744,402	830,017	914,385
Hawaii	1,419,621	712,932	706,690	357,371	193,313	164,058	41,547	24,527	17,020
Idaho	1,659,273	831,199	828,074	1,575,171	789,245	785,926	19,277	10,727	8,550
Iowa	3,119,893	1,550,333	1,569,560	2,887,882	1,430,116	1,457,766	131,522	69,601	61,922
Kentucky	4,427,480	2,181,084	2,246,396	3,949,197	1,943,862	2,005,335	391,305	194,803	196,501
Louisiana	4,656,533	2,277,788	2,378,745	2,981,672	1,478,227	1,503,445	1,545,535	735,240	810,295
Massachusetts	6,792,551	3,294,329	3,498,222	5,661,649	2,747,449	2,914,200	623,692	302,927	320,765
New Jersey	8,871,814	4,329,074	4,542,740	6,559,155	3,218,448	3,340,707	1,380,601	654,956	725,645
New Mexico	2,091,906	1,035,729	1,056,177	1,750,091	866,996	883,095	62,240	33,704	28,536
New York	19,635,618	9,526,508	10,109,110	14,025,170	6,879,771	7,145,398	3,626,890	1,692,894	1,933,995
Seattle-Puget Sound	4,941,271	2,468,296	2,472,975	3,882,496	1,946,830	1,935,666	313,188	165,490	147,698
Utah	2,992,711	1,505,914	1,486,797	2,774,462	1,394,924	1,379,537	51,046	28,437	22,609
SEER 9 Areas <sup>a</sup>	30,302,488	14,944,354	15,358,134	21,914,460	10,922,956	10,991,505	3,990,562	1,900,308	2,090,254
SEER 13 Areas <sup>a</sup>	43,913,358	21,704,767	22,208,591	31,587,448	15,788,553	15,798,895	5,137,307	2,452,551	2,684,756
SEER 18 Areas <sup>a</sup>	89,805,361	44,359,720	45,445,641	66,748,865	33,249,685	33,499,180	11,522,099	5,544,799	5,977,300
SEER 21 Areas <sup>a</sup>	117,892,803	58,011,755	59,881,048	88,010,855	43,666,150	44,344,704	15,791,957	7,551,346	8,240,610

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 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).  
The SEER 21 areas comprise the SEER 18 areas plus Idaho, New York and Massachusetts.

Table A.7 - continued

## Annual Populations Averaged Over 2013-2017

## By SEER Registry, Race/Ethnicity and Sex

Area	Asian/Pacific Islander			Hispanic <sup>a</sup>		
	Both Sexes	Males	Females	Both Sexes	Males	Females
California	6,219,367	2,962,297	3,257,070	15,048,054	7,571,486	7,476,568
Greater Bay Area	2,083,981	1,000,954	1,083,027	1,881,559	956,025	925,534
San Francisco-Oakland, SMSA	1,310,782	620,255	690,526	1,010,489	512,630	497,859
San Jose-Monterey	773,199	380,698	392,501	871,070	443,395	427,675
Los Angeles	1,609,272	756,110	853,163	4,874,608	2,431,326	2,443,282
Greater California	2,526,114	1,205,233	1,320,881	8,291,887	4,184,135	4,107,752
Connecticut	175,033	85,024	90,009	548,744	273,642	275,101
Metropolitan Detroit	189,909	94,045	95,864	172,013	86,758	85,254
Georgia	437,260	212,432	224,828	945,356	497,034	448,322
Metropolitan Atlanta	285,820	140,233	145,587	449,739	233,968	215,771
Rural Georgia	954	464	490	4,837	2,710	2,127
Greater Georgia	150,486	71,735	78,751	490,780	260,357	230,424
Hawaii	1,014,191	491,559	522,632	139,272	71,492	67,780
Idaho	31,467	14,480	16,987	203,091	104,849	98,243
Iowa	82,695	41,747	40,948	178,835	93,342	85,493
Kentucky	73,242	35,303	37,939	155,197	84,513	70,684
Louisiana	90,235	44,746	45,489	229,267	123,586	105,681
Massachusetts	468,613	224,427	244,186	762,868	378,313	384,555
New Jersey	870,461	424,220	446,241	1,734,247	870,161	864,085
New Mexico	43,318	19,962	23,356	1,008,974	501,072	507,901
New York	1,760,910	842,897	918,013	3,675,735	1,812,281	1,863,454
Seattle-Puget Sound	646,232	306,163	340,069	472,502	245,715	226,786
Utah	115,419	56,501	58,918	409,402	210,037	199,365
SEER 9 Areas <sup>b</sup>	3,863,399	1,855,490	2,007,910	4,389,968	2,228,656	2,161,312
SEER 13 Areas <sup>b</sup>	6,307,169	3,021,938	3,285,230	10,191,021	5,132,702	5,058,319
SEER 18 Areas <sup>b</sup>	10,017,706	4,803,175	5,214,531	21,092,398	10,655,453	10,436,945
SEER 21 Areas <sup>b</sup>	12,278,696	5,884,979	6,393,717	25,734,093	12,950,896	12,783,197

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 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).

The SEER 21 areas comprise the SEER 18 areas plus Idaho, New York and Massachusetts.

Table A.7 - continued

## Annual Populations Averaged Over 2013-2017

## American Indian/Alaska Native By SEER Registry, PRCDA County Status and Sex

Area	American Indian/Alaska Native Total U.S.			American Indian/Alaska Native PRCDA			American Indian/Alaska Native Non-PRCDA		
	Both Sexes	Males	Females	Both Sexes	Males	Females	Both Sexes	Males	Females
Alaska	126,516	64,129	62,387	126,516	64,129	62,387	0	0	0
California	762,784	385,041	377,744	377,153	188,937	188,216	385,631	196,103	189,528
Greater Bay Area	105,864	54,384	51,479	0	0	0	105,864	54,384	51,479
San Francisco- Oakland, SMSA	56,343	29,134	27,209	0	0	0	56,343	29,134	27,209
San Jose-Monterey	49,521	25,250	24,270	0	0	0	49,521	25,250	24,270
Los Angeles	170,797	86,462	84,335	0	0	0	170,797	86,462	84,335
Greater California	486,124	244,195	241,929	377,153	188,937	188,216	108,970	55,257	53,713
Connecticut	22,344	11,317	11,026	22,344	11,317	11,026	0	0	0
Metropolitan Detroit	21,306	10,018	11,288	0	0	0	21,306	10,018	11,288
Georgia	57,614	30,085	27,529	0	0	0	57,614	30,085	27,529
Metropolitan Atlanta	22,373	11,800	10,573	0	0	0	22,373	11,800	10,573
Rural Georgia	535	285	250	0	0	0	535	285	250
Greater Georgia	34,707	18,000	16,706	0	0	0	34,707	18,000	16,706
Hawaii	6,512	3,533	2,980	0	0	0	6,512	3,533	2,980
Idaho	33,359	16,748	16,611	16,158	8,017	8,141	17,200	8,730	8,470
Iowa	17,793	8,868	8,925	5,669	2,790	2,879	12,125	6,079	6,046
Kentucky	13,737	7,116	6,621	0	0	0	13,737	7,116	6,621
Louisiana	39,091	19,574	19,517	4,102	2,048	2,054	34,989	17,526	17,463
Massachusetts	38,597	19,526	19,071	17,025	8,720	8,305	21,572	10,806	10,766
New Jersey	61,597	31,450	30,147	0	0	0	61,597	31,450	30,147
New Mexico	236,257	115,067	121,190	222,341	107,986	114,355	13,916	7,081	6,835
New York	222,649	110,945	111,704	45,624	22,602	23,022	177,025	88,343	88,682
Seattle-Puget Sound	99,355	49,813	49,542	99,355	49,813	49,542	0	0	0
Utah	51,784	26,051	25,733	25,678	12,799	12,879	26,106	13,251	12,854
SEER 9 Areas <sup>a</sup>	534,067	265,600	268,467	375,387	184,705	190,681	158,680	80,895	77,785
SEER 13 Areas <sup>a</sup>	881,435	441,726	439,710	501,903	248,834	253,069	379,532	192,891	186,641
SEER 18 Areas <sup>a</sup>	1,516,691	762,061	754,630	883,158	439,820	443,339	633,533	322,242	311,291
SEER 21 Areas <sup>a</sup>	1,811,296	909,280	902,017	961,966	479,159	482,807	849,330	430,121	419,209

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 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).  
The SEER 21 areas comprise the SEER 18 areas plus Idaho, New York and Massachusetts.



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<sup>a</sup> for Cases Diagnosed 1975-2016  
By Registry, Sex, and Age

	Males				Females			
	All Ages	0-19	20-64	65+	All Ages	0-19	20-64	65+
<u>Followed Into 2016</u>								
Registry								
Standard 9 registries	98.91	95.50	98.33	99.44	98.14	94.58	97.09	99.26
San Francisco-Oakland	98.38	94.07	97.67	99.05	97.64	93.22	96.44	98.92
Connecticut	98.86	94.42	98.15	99.46	97.68	93.09	96.17	99.09
Metropolitan Detroit	99.01	96.17	98.52	99.47	98.34	95.87	97.22	99.49
Hawaii	98.45	94.72	97.75	99.03	97.39	93.59	96.26	98.83
Iowa	99.72	98.99	99.43	99.91	99.55	98.69	99.17	99.84
New Mexico	97.85	94.53	96.62	98.80	96.06	93.54	94.18	98.09
Seattle-Puget Sound	99.31	93.99	98.94	99.71	98.84	91.81	98.30	99.58
Utah	98.98	95.05	98.34	99.67	98.34	93.52	97.51	99.61
Metropolitan Atlanta	98.72	97.45	98.28	99.29	97.73	97.86	96.88	98.94
<u>Followed Into 2017</u>								
Registry								
Standard 9 registries	98.52	93.85	97.71	99.26	97.49	92.39	96.09	99.01
San Francisco-Oakland	97.68	91.92	96.57	98.71	96.59	90.52	94.73	98.55
Connecticut	98.27	92.72	97.17	99.18	96.55	90.91	94.40	98.54
Metropolitan Detroit	98.73	94.53	98.13	99.31	97.97	93.61	96.65	99.35
Hawaii	98.12	92.08	97.31	98.84	96.93	91.35	95.56	98.69
Iowa	99.59	98.45	99.20	99.85	99.32	97.85	98.80	99.74
New Mexico	97.25	93.02	95.77	98.40	95.07	92.06	92.74	97.58
Seattle-Puget Sound	99.13	92.01	98.67	99.66	98.55	88.74	97.89	99.49
Utah	98.63	92.86	97.78	99.55	97.86	90.15	96.86	99.50
Metropolitan Atlanta	98.32	96.61	97.67	99.16	97.00	96.96	95.77	98.73

<sup>a</sup> Represents the percentage of first primaries diagnosed 1975-2016 and followed into the specified year.