

## XI: APPENDICES

### Appendix A. 2000 United States Standard Million Population

Age Group	Number in Group
Total	1,000,000
<5	69,135
5-9	72,533
10-14	73,032
15-19	72,169
20-24	66,478
25-29	64,529
30-34	71,044
35-39	80,762
40-44	81,851
45-49	72,118
50-54	62,716
55-59	48,454
60-64	38,793
65-69	34,264
70-74	31,773
75-79	26,999
80-84	17,842
85+	15,508

### Appendix B. 2003-2012 South Dakota Estimated Population

Year	2003	2004	2005	2008	2008	2008	2009	2010	2011	2012
Total	766,975	774,283	780,084	788,519	797,035	804,532	812,383	814,180	824,082	833,354
<5	51,908	53,062	54,334	55,640	57,448	58,582	59,640	59,621	59,591	59,202
5-9	51,598	51,359	51,478	51,545	51,944	52,692	53,496	55,531	56,389	58,010
10-14	57,154	56,171	54,880	54,450	53,630	52,954	52,576	53,960	54,096	53,956
15-19	62,195	61,741	60,843	60,084	59,858	59,184	58,571	57,628	57,916	57,439
20-24	59,591	61,852	62,742	63,756	62,601	62,764	62,919	57,596	58,178	59,174
25-29	44,685	45,983	47,482	48,972	51,977	53,851	56,270	55,570	56,020	56,397
30-34	45,078	44,686	44,406	43,985	44,439	45,387	46,540	49,859	52,216	53,875
35-39	48,792	47,126	46,103	46,184	46,287	46,003	45,707	45,766	45,524	46,326
40-44	58,394	57,759	56,131	54,090	51,639	49,163	47,626	47,346	47,375	47,570
45-49	57,427	57,749	58,361	58,701	58,653	58,526	57,845	57,519	54,849	52,681
50-54	50,266	52,259	53,782	55,507	56,682	57,673	57,850	59,399	59,960	60,037
55-59	39,282	41,733	44,626	47,667	49,558	51,199	52,996	54,231	56,261	57,577
60-64	31,499	33,056	34,232	35,504	38,305	40,441	42,615	43,573	47,054	48,927
65-69	26,771	27,201	27,699	28,381	29,312	30,956	32,303	31,944	33,144	35,738
70-74	25,272	24,845	24,567	24,588	24,670	24,879	25,236	25,683	25,882	26,396
75-79	22,518	22,412	22,441	22,634	22,574	22,287	21,866	21,724	21,660	21,766
80-84	17,356	17,707	17,826	18,043	18,162	18,253	18,122	18,004	18,102	18,112
85+	17,189	17,582	18,151	18,788	19,296	19,738	20,205	19,226	19,865	20,171

## Appendix C: Race in South Dakota by County, 2012 Estimated Population

	<i>Total</i>		<i>White</i>		<i>Black</i>		<i>American Indian</i>		<i>Asian</i>		<i>Other</i>	
South Dakota	833,354	718,352	86%	13,939	2%	74,223	9%	9,005	1%	17,835	2%	
Aurora	2,742	2,639	96%	16	1%	47	2%	20	1%	20	1%	
Beadle	17,753	16,064	90%	268	2%	226	1%	896	5%	299	2%	
Bennett	3,436	1,161	34%	10	0%	2,077	60%	19	1%	169	5%	
Bon Homme	7,029	6,309	90%	86	1%	507	7%	19	0%	108	2%	
Brookings	32,629	30,482	93%	405	1%	390	1%	901	3%	451	1%	
Brown	37,331	34,659	93%	408	1%	1,181	3%	430	1%	653	2%	
Brule	5,293	4,668	88%	26	0%	446	8%	11	0%	142	3%	
Buffalo	2,020	348	17%	9	0%	1,627	81%	1	0%	35	2%	
Butte	10,228	9,685	95%	56	1%	185	2%	30	0%	272	3%	
Campbell	1,396	1,371	98%	5	0%	7	1%	7	1%	6	0%	
Charles Mix	9,216	5,950	65%	33	0%	2,944	32%	23	0%	266	3%	
Clark	3,585	3,532	99%	16	0%	5	0%	2	0%	30	1%	
Clay	14,131	12,846	91%	257	2%	448	3%	283	2%	297	2%	
Codington	27,606	26,308	95%	203	1%	564	2%	175	1%	356	1%	
Corson	4,077	1,262	31%	9	0%	2,683	66%	11	0%	112	3%	
Custer	8,339	7,806	94%	46	1%	273	3%	40	0%	174	2%	
Davison	19,769	18,646	94%	172	1%	558	3%	104	1%	289	1%	
Day	5,613	4,973	89%	29	1%	499	9%	16	0%	96	2%	
Deuel	4,380	4,282	98%	40	1%	17	0%	7	0%	34	1%	
Dewey	5,538	1,225	22%	10	0%	4,088	74%	9	0%	206	4%	
Douglas	2,970	2,857	96%	12	0%	67	2%	7	0%	27	1%	
Edmunds	4,026	3,949	98%	8	0%	20	0%	7	0%	42	1%	
Fall River	6,971	6,188	89%	77	1%	470	7%	43	1%	193	3%	
Faulk	2,377	2,343	99%	5	0%	3	0%	7	0%	19	1%	
Grant	7,259	7,073	97%	27	0%	59	1%	29	0%	71	1%	
Gregory	4,265	3,823	90%	12	0%	316	7%	17	0%	97	2%	
Haakon	1,939	1,808	93%	15	1%	40	2%	20	1%	56	3%	
Hamlin	5,918	5,810	98%	32	1%	23	0%	14	0%	39	1%	
Hand	3,388	3,332	98%	3	0%	14	0%	11	0%	28	1%	
Hanson	3,377	3,318	98%	8	0%	16	0%	15	0%	20	1%	
Harding	1,316	1,267	96%	5	0%	22	2%	1	0%	21	2%	
Hughes	17,450	14,871	85%	251	1%	1,812	10%	98	1%	418	2%	
Hutchinson	7,187	6,989	97%	46	1%	75	1%	18	0%	59	1%	
Hyde	1,437	1,283	89%	6	0%	115	8%	5	0%	28	2%	
Jackson	3,191	1,368	43%		1%	1,647	52%	3	0%	156	5%	
Jerauld	2,047	2,011	98%	4	0%	7	0%	5	0%	20	1%	
Jones	1,013	945	93%	4	0%	29	3%	1	0%	34	3%	
Kingsbury	5,220	5,083	97%	24	0%	32	1%	23	0%	58	1%	
Lake	11,771	11,331	96%	106	1%	94	1%	86	1%	154	1%	
Lawrence	24,397	22,963	94%	209	1%	548	2%	180	1%	497	2%	
Lincoln	48,296	46,270	96%	479	1%	303	1%	544	1%	700	1%	
Lyman	3,789	2,187	58%	12	0%	1,480	39%	10	0%	100	3%	
Marshall	5,610	5,498	98%	21	0%	35	1%	14	0%	42	1%	
McCook	2,439	2,399	98%	5	0%	2	0%	11	0%	22	1%	
McPherson	4,671	4,114	88%	41	1%	430	9%	15	0%	71	2%	
Meade	26,052	23,885	92%	468	2%	740	3%	208	1%	751	3%	
Mellette	2,101	871	41%	3	0%	1,101	52%	7	0%	119	6%	
Miner	2,326	2,282	98%	8	0%	5	0%	9	0%	22	1%	
Minnehaha	175,037	155,918	89%	7,411	4%	4,838	3%	2,770	2%	4,100	2%	
Moody	6,446	5,288	82%	54	1%	854	13%	81	1%	169	3%	
Pennington	104,347	87,714	84%	1,590	2%	10,172	10%	1,187	1%	3,684	4%	
Perkins	3,037	2,939	97%	10	0%	48	2%	8	0%	32	1%	
Potter	2,359	2,293	97%	9	0%	26	1%	8	0%	23	1%	
Roberts	10,303	6,228	60%	24	0%	3,697	36%	35	0%	319	3%	
Sanborn	2,324	2,267	98%	2	0%	12	1%	6	0%	37	2%	
Shannon	14,059	752	5%	46	0%	12,971	92%	71	1%	219	2%	
Spink	6,611	6,428	97%	32	0%	85	1%	7	0%	59	1%	
Stanley	2,969	2,641	89%	18	1%	224	8%	8	0%	78	3%	
Sully	1,427	1,364	96%	10	1%	22	2%	0	0%	31	2%	
Todd	9,942	1,049	11%	26	0%	8,630	87%	31	0%	206	2%	
Tripp	5,485	4,577	83%	19	0%	751	14%	16	0%	122	2%	
Turner	8,308	8,102	98%	39	0%	78	1%	14	0%	75	1%	
Union	14,855	14,211	96%	158	1%	89	1%	179	1%	218	1%	
Walworth	5,459	4,510	83%	20	0%	740	14%	19	0%	170	3%	
Yankton	22,603	21,040	93%	449	2%	648	3%	143	1%	323	1%	
Ziebach	2,869	697	24%	10	0%	2,061	72%	10	0%	91	3%	

U.S. Census Bureau Estimated Race Population

### Appendix D: SEER Incidence Site Analysis Categories

Site Group	ICD-O-3 Site	ICD-O-3 Histology (Type)	Recode	
<b>Oral Cavity and Pharynx</b>				
Lip	C000-C009	excluding 9050-9055, 9140, 9590-9992	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		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	
<b>Colon and Rectum</b>				
Colon excluding Rectum				
Cecum	C180	excluding 9050-9055, 9140, 9590-9992	21041	
Appendix	C181		21042	
Ascending Colon	C182		21043	
Hepatic Flexure	C183		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	
<b>Liver and Intrahepatic Bile Duct</b>				
Liver	C220	excluding 9050-9055, 9140, 9590-9992	21071	
Intrahepatic Bile Duct	C221		21072	
Gallbladder	C239		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	C300-C301, C310-C319		excluding 9050-9055, 9140, 9590-9992	22010
Larynx	C320-C329	22020		
Lung and Bronchus	C340-C349	22030		
Pleura	C384	22050		
Trachea, Mediastinum and Other Respiratory Organs	C339, C381-C383, C388, C390, C398, C399	22060		

**Appendix D: SEER Incidence Site Analysis Categories (continued)**

<b>Bones and Joints</b>	<b>C400-C419</b>	<b>excluding 9050-9055, 9140, 9590-9992</b>	<b>23000</b>
<b>Soft Tissue including Heart</b>	<b>C380, C470-C479, C490-C499</b>	<b>excluding 9050-9055, 9140, 9590-9992</b>	<b>24000</b>
<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>	<b>C500-C509</b>	<b>excluding 9050-9055, 9140, 9590-9992</b>	<b>26000</b>
<b>Female Genital System</b>			
Cervix Uteri	C530-C539	excluding 9050-9055, 9140, 9590-9992	27010
Corpus and Uterus, NOS			
Corpus Uteri	C540-C549	excluding 9050-9055, 9140, 9590-9992	27020
Uterus, NOS	C559		27030
Ovary	C569		27040
Vagina	C529		27050
Vulva	C510-C519		27060
Other Female Genital Organs	C570-C579, C589		27070
<b>Male Genital System</b>			
Prostate	C619	excluding 9050-9055, 9140, 9590-9992	28010
Testis	C620-C629		28020
Penis	C600-C609		28030
Other Male Genital Organs	C630-C639		28040
<b>Urinary System</b>			
Urinary Bladder	C670-C679	excluding 9050-9055, 9140, 9590-9992	29010
Kidney and Renal Pelvis	C649, C659		29020
Ureter	C669		29030
Other Urinary Organs	C680-C689		29040
<b>Eye and Orbit</b>	<b>C690-C699</b>	<b>excluding 9050-9055, 9140, 9590-9992</b>	<b>30000</b>
<b>Brain and Other Nervous System</b>			
Brain	C710-C719	excluding 9050-9055, 9140, 9530-9539, 9590-9992	31010
Cranial Nerves Other Nervous System	C710-C719	9530-9539	31040
	C700-C709, C720-C729	excluding 9050-9055, 9140, 9590-9992	
<b>Endocrine System</b>			
Thyroid	C739	excluding 9050-9055, 9140, 9590-9992	32010
Other Endocrine including Thymus	C379, C740-C749, C750-C759		32020

**Appendix D: SEER Incidence Site Analysis Categories (continued)**

<b>Lymphoma</b>			
Hodgkin Lymphoma			
Hodgkin - Nodal	C024,C098-C099,C111, C142,C379,C422,C770- C779	9650-9667	33011
Hodgkin - Extranodal	All other sites		33012
Non-Hodgkin Lymphoma			
NHL - Nodal	C024, C098, C099, C111, C142,C379, C422, C770- C779	9590-9597, 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, 9688, 9689-9691, 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>		<b>9731-9732, 9734</b>	<b>34000</b>
<b>Leukemia</b>			
Lymphocytic Leukemia			
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
Myeloid and Monocytic Leukemia			
Acute Myeloid Leukemia		9840, 9861, 9865-9867, 9869, 9871-9874, 9895- 9897, 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
Other Leukemia			
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>		<b>9050-9055</b>	<b>36010</b>
<b>Kaposi Sarcoma +</b>		<b>9140</b>	<b>36020</b>
<b>Miscellaneous</b>		<b>9740-9741, 9750-9769, 9950, 9960-9962, 9965- 9967, 9970-9971, 9975, 9980, 9982-9987, 9989, 9991-9992</b>	<b>37000</b>
	<b>C760-C768, C809 C420-C424 C770-C779</b>	<b>Excluding 9050-9055, 9140, 9590-9992</b>	
<b>Invalid</b>	<b>Site or histology code not within valid range or site code not found in this table.</b>		<b>99999</b>

Source: <http://seer.cancer.gov/siterecode>

+ The Site Recode variable can be created with or without Mesothelioma (9050-9055) and Kaposi Sarcoma (9140) as separate groupings. The table above documents both possibilities.

### **Appendix E: SEER Cancer Cause of Death Analysis Categories**

Cancer Causes of Death	ICD-10
<b>All Malignant Cancers</b>	<b>C00-C97</b>
<b>Oral Cavity and Pharynx</b>	
Lip	C00
Tongue	C01-C02
Salivary Gland	C07-C08
Floor of Mouth	C04
Gum and Other Mouth	C03, C05-C06
Nasopharynx	C11
Tonsil	C09
Oropharynx	C10
Hypopharynx	C12-C13
Other Oral Cavity and Pharynx	C14
<b>Digestive System</b>	
Esophagus	C15
Stomach	C16
Small Intestine	C17
Colon and Rectum	
Colon Excluding Rectum	C18, C26.0
Rectum and Rectosigmoid Junction	C19-C20
Anus, Anal Canal and Anorectum	C21
<b>Liver and Intrahepatic Bile Duct</b>	
Liver	C22.0, C22.2-C22.4, C22.7, C22.9
Intrahepatic Bile Duct	C22.1
Gallbladder	C23
Other Biliary	C24
Pancreas	C25
Retroperitoneum	C48.0
Peritoneum, Omentum and Mesentery	C45.1+, C48.1-C48.2
Other Digestive Organs	C26.8-C26.9, C48.8
<b>Respiratory System</b>	
Nose, Nasal Cavity and Middle Ear	C30-C31
Larynx	C32
Lung and Bronchus	C34
Pleura	C38.4, C45.0+
Trachea, Mediastinum and Other Respiratory Organs	C33, C38.1-C38.3, C38.8, C39
<b>Bones and Joints</b>	C40-C41
<b>Soft Tissue including Heart</b>	C47, C49, C38.0, C45.2+
<b>Skin excluding Basal and Squamous</b>	
Melanoma of the Skin	C43
Other Non-Epithelial Skin	C44, C46+
<b>Breast</b>	C50
<b>Female Genital System</b>	
Cervix Uteri	C53
Corpus and Uterus, NOS	
Corpus Uteri	C54
Uterus, NOS	C55
Ovary	C56
Vagina	C52
Vulva	C51
Other Female Genital Organs	C57-C58

**Appendix E: SEER Cancer Cause of Death Analysis Categories (Continued)**

<b>Male Genital System</b>	
Prostate	C61
Testis	C62
Penis	C60
Other Male Genital Organs	C63
<b>Urinary System</b>	
Bladder	C67
Kidney and Renal Pelvis	C64-C65
Ureter	C66
Other Urinary Organs	C68
<b>Eye and Orbit</b>	C69
<b>Brain and Other Nervous System</b>	C70, C71, C72
<b>Endocrine System</b>	
Thyroid	C73
Other Endocrine Including Thymus	C37, C74-C75
<b>Lymphoma</b>	
Hodgkin's Lymphoma	C81
Non-Hodgkin's Lymphoma	C82-C85, C96.3
<b>Myeloma</b>	C90.0, C90.2
<b>Leukemia</b>	
Lymphocytic Leukemia	
Acute Lymphocytic Leukemia	C91.0
Chronic Lymphocytic Leukemia	C91.1
Other Lymphocytic Leukemia	C91.2-C91.4, C91.7, C91.9
Myeloid and Monocytic Leukemia	
Acute Myeloid	C92.0, C92.4-C92.5, C94.0, C94.2
Acute Monocytic Leukemia	C93.0
Chronic Myeloid Leukemia	C92.1
Other Myeloid/Monocytic Leukemia	C92.2-C92.3, C92.7, C92.9, C93.1-C93.2, C93.7, C93.9
Other Acute Leukemia	C94.4, C94.5, C95.0
Aleukemic, Subleukemic and NOS	C90.1, C91.5, C94.1, C94.3, C94.7, C95.1, C95.2, C95.7, C95.9
<b>Mesothelioma (ICD-10 only)+</b>	C45+
<b>Kaposi Sarcoma (ICD-10 only)+</b>	C46+
<b>Miscellaneous Malignant Cancer</b>	C26.1, C45.7+, C45.9+, C76-C80, C88, C96.0-C96.2, C96.7, C96.9, C97

Source: <http://seer.cancer.gov/codrecode>