

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. 2002-2011 South Dakota Estimated Population

Year	2002	2003	2004	2005	2007	2007	2008	2009	2010	2011
Total	762,107	766,975	774,283	780,084	788,519	797,035	804,532	812,383	814,180	824,082
<5	51,187	51,908	53,062	54,334	55,640	57,448	58,582	59,640	59,621	59,591
5-9	52,492	51,598	51,359	51,478	51,545	51,944	52,692	53,496	55,531	56,389
10-14	57,916	57,154	56,171	54,880	54,450	53,630	52,954	52,576	53,960	54,096
15-19	62,533	62,195	61,741	60,843	60,084	59,858	59,184	58,571	57,628	57,916
20-24	56,935	59,591	61,852	62,742	63,756	62,601	62,764	62,919	57,596	58,178
25-29	43,925	44,685	45,983	47,482	48,972	51,977	53,851	56,270	55,570	56,020
30-34	45,671	45,078	44,686	44,406	43,985	44,439	45,387	46,540	49,859	52,216
35-39	51,472	48,792	47,126	46,103	46,184	46,287	46,003	45,707	45,766	45,524
40-44	58,693	58,394	57,759	56,131	54,090	51,639	49,163	47,626	47,346	47,375
45-49	56,603	57,427	57,749	58,361	58,701	58,653	58,526	57,845	57,519	54,849
50-54	48,573	50,266	52,259	53,782	55,507	56,682	57,673	57,850	59,399	59,960
55-59	37,468	39,282	41,733	44,626	47,667	49,558	51,199	52,996	54,231	56,261
60-64	29,984	31,499	33,056	34,232	35,504	38,305	40,441	42,615	43,573	47,054
65-69	26,627	26,771	27,201	27,699	28,381	29,312	30,956	32,303	31,944	33,144
70-74	25,647	25,272	24,845	24,567	24,588	24,670	24,879	25,236	25,683	25,882
75-79	22,487	22,518	22,412	22,441	22,634	22,574	22,287	21,866	21,724	21,660
80-84	17,146	17,356	17,707	17,826	18,043	18,162	18,253	18,122	18,004	18,102
85+	16,748	17,189	17,582	18,151	18,788	19,296	19,738	20,205	19,226	19,865

Appendix C: Race in South Dakota by County, 2011 Estimated Population

	Total	White	Black	American Indian	Asian	Other
<i>South Dakota</i>	824,082	713,633 87%	11,523 1%	73,285 9%	8,318 1%	17,323 2%
<i>Aurora</i>	2,694	2,598 96%	12 0%	43 2%	18 1%	23 1%
<i>Beadle</i>	17,550	16,032 91%	222 1%	227 1%	767 4%	302 2%
<i>Bennett</i>	3,441	1,199 35%	6 0%	2,072 60%	18 1%	146 4%
<i>Bon Homme</i>	6,983	6,283 90%	68 1%	519 7%	12 0%	101 1%
<i>Brookings</i>	32,226	30,216 94%	288 1%	342 1%	912 3%	468 1%
<i>Brown</i>	36,822	34,483 94%	234 1%	1,134 3%	364 1%	607 2%
<i>Brule</i>	5,283	4,671 88%	15 0%	448 8%	11 0%	138 3%
<i>Buffalo</i>	1,988	349 18%	5 0%	1,601 81%	3 0%	30 2%
<i>Butte</i>	10,259	9,712 95%	39 0%	211 2%	27 0%	270 3%
<i>Campbell</i>	1,427	1,406 99%	2 0%	5 0%	7 0%	7 0%
<i>Charles Mix</i>	9,208	5,996 65%	21 0%	2,897 31%	21 0%	273 3%
<i>Clark</i>	3,628	3,579 99%	13 0%	5 0%	2 0%	29 1%
<i>Clay</i>	14,051	12,795 91%	202 1%	468 3%	265 2%	321 2%
<i>Codington</i>	27,442	26,231 96%	131 0%	590 2%	145 1%	345 1%
<i>Corson</i>	4,022	1,237 31%	10 0%	2,654 66%	16 0%	105 3%
<i>Custer</i>	8,338	7,842 94%	40 0%	261 3%	31 0%	164 2%
<i>Davison</i>	19,651	18,599 95%	128 1%	505 3%	100 1%	319 2%
<i>Day</i>	5,741	5,071 88%	15 0%	540 9%	14 0%	101 2%
<i>Deuel</i>	4,359	4,286 98%	18 0%	21 0%	4 0%	30 1%
<i>Dewey</i>	5,421	1,239 23%	10 0%	3,963 73%	11 0%	198 4%
<i>Douglas</i>	2,972	2,874 97%	15 1%	59 2%	3 0%	21 1%
<i>Edmunds</i>	4,056	3,971 98%	6 0%	23 1%	6 0%	50 1%
<i>Fall River</i>	6,981	6,201 89%	61 1%	491 7%	29 0%	199 3%
<i>Faulk</i>	2,367	2,336 99%	3 0%	4 0%	3 0%	21 1%
<i>Grant</i>	7,250	7,114 98%	11 0%	44 1%	25 0%	56 1%
<i>Gregory</i>	4,216	3,793 90%	7 0%	312 7%	14 0%	90 2%
<i>Haakon</i>	1,907	1,800 94%	3 0%	39 2%	11 1%	54 3%
<i>Hamlin</i>	5,978	5,887 98%	14 0%	24 0%	17 0%	36 1%
<i>Hand</i>	3,423	3,370 98%	3 0%	10 0%	11 0%	29 1%
<i>Hanson</i>	3,376	3,323 98%	3 0%	20 1%	12 0%	18 1%
<i>Harding</i>	1,269	1,227 97%	1 0%	20 2%	1 0%	20 2%
<i>Hughes</i>	17,292	14,777 85%	156 1%	1,850 11%	99 1%	410 2%
<i>Hutchinson</i>	7,257	7,082 98%	35 0%	69 1%	12 0%	59 1%
<i>Hyde</i>	1,394	1,252 90%	2 0%	108 8%	3 0%	29 2%
<i>Jackson</i>	3,169	1,358 43%	15 0%	1,630 51%	2 0%	164 5%
<i>Jerauld</i>	2,085	2,047 98%	4 0%	9 0%	5 0%	20 1%
<i>Jones</i>	1,003	949 95%	2 0%	24 2%	1 0%	27 3%
<i>Kingsbury</i>	5,179	5,071 98%	11 0%	29 1%	17 0%	51 1%
<i>Lake</i>	11,567	11,166 97%	78 1%	88 1%	83 1%	152 1%
<i>Lawrence</i>	24,312	22,911 94%	166 1%	555 2%	177 1%	503 2%
<i>Lincoln</i>	46,793	44,937 96%	382 1%	317 1%	513 1%	644 1%
<i>Lyman</i>	3,806	2,252 59%	8 0%	1,426 37%	11 0%	109 3%
<i>Marshall</i>	5,556	5,456 98%	15 0%	32 1%	11 0%	42 1%
<i>McCook</i>	2,452	2,420 99%	1 0%	3 0%	6 0%	22 1%
<i>McPherson</i>	4,597	4,066 88%	20 0%	438 10%	14 0%	59 1%
<i>Meade</i>	25,546	23,549 92%	435 2%	643 3%	193 1%	726 3%
<i>Mellette</i>	2,067	820 40%	4 0%	1,110 54%	6 0%	127 6%
<i>Miner</i>	2,359	2,320 98%	3 0%	4 0%	9 0%	23 1%
<i>Minnehaha</i>	171,752	154,024 90%	6,493 4%	4,757 3%	2,606 2%	3,872 2%
<i>Moody</i>	6,475	5,306 82%	40 1%	897 14%	70 1%	162 3%
<i>Pennington</i>	102,815	86,724 84%	1,332 1%	9,965 10%	1,129 1%	3,665 4%
<i>Perkins</i>	3,001	2,905 97%	9 0%	46 2%	6 0%	35 1%
<i>Potter</i>	2,364	2,303 97%	4 0%	21 1%	9 0%	27 1%
<i>Roberts</i>	10,286	6,349 62%	29 0%	3,556 35%	31 0%	321 3%
<i>Sanborn</i>	2,392	2,343 98%	1 0%	12 1%	6 0%	30 1%
<i>Shannon</i>	13,928	750 5%	45 0%	12,876 92%	50 0%	207 1%
<i>Spink</i>	6,470	6,304 97%	22 0%	90 1%	7 0%	47 1%
<i>Stanley</i>	3,002	2,706 90%	10 0%	198 7%	4 0%	84 3%
<i>Sully</i>	1,375	1,329 97%	3 0%	17 1%	0 0%	26 2%
<i>Todd</i>	9,822	1,076 11%	31 0%	8,502 87%	26 0%	187 2%
<i>Tripp</i>	5,615	4,684 83%	12 0%	780 14%	12 0%	127 2%
<i>Turner</i>	8,332	8,121 97%	23 0%	89 1%	18 0%	81 1%
<i>Union</i>	14,651	14,091 96%	117 1%	109 1%	144 1%	190 1%
<i>Walworth</i>	5,575	4,622 83%	9 0%	775 14%	17 0%	152 3%
<i>Yankton</i>	22,612	21,171 94%	392 2%	622 3%	133 1%	294 1%
<i>Ziebach</i>	2,852	672 24%	8 0%	2,086 73%	8 0%	78 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	
Oral Cavity and Pharynx				
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	
Digestive System				
Esophagus	C150-C159	excluding 9050-9055, 9140, 9590-9992	21010	
Stomach	C160-C169		21020	
Small Intestine	C170-C179		21030	
Colon and Rectum				
Colon Excluding Rectum				
Cecum	C180	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	
Liver and Intrahepatic Bile Duct				
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	
Respiratory System				
Nose, Nasal Cavity and Middle Ear	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)

Bones and Joints	C400-C419	excluding 9050-9055, 9140, 9590-9992	23000
Soft Tissue including Heart	C380, C470-C479, C490-C499	excluding 9050-9055, 9140, 9590-9992	24000
Skin Excluding Basal And Squamous			
Melanoma of the Skin	C440-C449		
Other Non-Epithelial Skin	C440-C449		
Breast	C500-C509	8720-8790	25010
Female Genital System		excluding 8000-8005, 8010-8046, 8050-8084, 8090-8110, 8720-8790, 9050-9055, 9140, 9590-9992	25020
Cervix Uteri	C530-C539	excluding 9050-9055, 9140, 9590-9992	26000
Corpus and Uterus, NOS			
Corpus Uteri	C540-C549	excluding 9050-9055, 9140, 9590-9992	27010
Uterus, NOS	C559		
Ovary	C569	excluding 9050-9055, 9140, 9590-9992	27020
Vagina	C529		27030
Vulva	C510-C519		27040
Other Female Genital Organs	C570-C589		27050
Male Genital System			27060
Prostate	C619		27070
Testis	C620-C629		
Penis	C600-C609	excluding 9050-9055, 9140, 9590-9992	28010
Other Male Genital Organs	C630-C639		28020
Urinary System			28030
Urinary Bladder	C670-C679		28040
Kidney and Renal Pelvis	C649, C659		
Ureter	C669	excluding 9050-9055, 9140, 9590-9992	29010
Other Urinary Organs	C680-C689		29020
Eye and Orbit	C690-C699		29030
Brain and Other Nervous System			29040
Brain	C710-C719	excluding 9050-9055, 9140, 9590-9992	30000
Cranial Nerves Other Nervous System	C710-C719 C700-C709, C720-C729	excluding 9590-9989, and sometimes 9050-9055, 9140+	
Endocrine System		excluding 9050-9055, 9140, 9530-9539, 9590-9992	31010
Thyroid	C739	9530-9539	31040
Other Endocrine Including Thymus	C379, C740-C749, C750-C759	excluding 9050-9055, 9140, 9590-9992	32020

Appendix D: SEER Incidence Site Analysis Categories (continued)

Lymphoma			
Hodgkin's Lymphoma			
Hodgkin's - Nodal	C024, C098-C099, C111, C142, C379, C422, C770-C779	9650-9667	33011
Hodgkin's - Extranodal	All other sites		33012
Non-Hodgkin's 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	
Myeloma		9731-9732, 9734	34000
Leukemia			
Lymphocytic Leukemia			
Acute Lymphocytic Leukemia		9826, 9835-9836	35011
Chronic Lymphocytic Leukemia	C420, C421, C424	9811-9818, 9837	
Other Lymphocytic Leukemia		9823	35012
Myeloid and Monocytic Leukemia		9820, 9832-9834, 9940	35013
Acute Myeloid Leukemia			
Acute Monocytic Leukemia		9840, 9861, 9865-9867, 9869, 9871-9874, 9895-9897, 9898, 9910-9911, 9920	35021
Chronic Myeloid Leukemia		9891	35031
Other Myeloid/Monocytic Leukemia		9863, 9875-9876, 9945-9946	35022
Other Leukemia		9860, 9930	35023
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	
Mesothelioma +		9050-9055	36010
Kaposi Sarcoma +		9140	36020
Miscellaneous		9740-9741, 9750-9769, 9950, 9960-9962, 9965-9967, 9970-9971, 9975, 9980, 9982-9987, 9989, 9991-9992	37000
	C760-C768, C809	excluding 9590-9989, and sometimes 9050-9055, 9140+	
	C420-C424		
	C770-C779		
Invalid	Site or histology code not within valid range or site code not found in this table.		99999

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
All Malignant Cancers	C00-C97
Oral Cavity and Pharynx	
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
Digestive System	
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
Liver and Intrahepatic Bile Duct	
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
Respiratory System	
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
Bones and Joints	C40-C41
Soft Tissue including Heart	C47, C49, C38.0, C45.2+
Skin excluding Basal and Squamous	
Melanoma of the Skin	C43
Other Non-Epithelial Skin	C44, C46+
Breast	C50
Female Genital System	
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)

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

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