

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. 2001-2010 South Dakota Estimated Population

Year	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total	758,983	762,107	766,975	774,283	780,084	788,519	797,035	804,532	812,383	814,180
<5	51,099	51,187	51,908	53,062	54,334	55,640	57,448	58,582	59,640	59,621
5-9	53,482	52,492	51,598	51,359	51,478	51,545	51,944	52,692	53,496	55,531
10-14	58,612	57,916	57,154	56,171	54,880	54,450	53,630	52,954	52,576	53,960
15-19	63,357	62,533	62,195	61,741	60,843	60,084	59,858	59,184	58,571	57,628
20-24	54,475	56,935	59,591	61,852	62,742	63,756	62,601	62,764	62,919	57,596
25-29	43,809	43,925	44,685	45,983	47,482	48,972	51,977	53,851	56,270	55,570
30-34	45,778	45,671	45,078	44,686	44,406	43,985	44,439	45,387	46,540	49,859
35-39	54,051	51,472	48,792	47,126	46,103	46,184	46,287	46,003	45,707	45,766
40-44	58,933	58,693	58,394	57,759	56,131	54,090	51,639	49,163	47,626	47,346
45-49	55,656	56,603	57,427	57,749	58,361	58,701	58,653	58,526	57,845	57,519
50-54	47,158	48,573	50,266	52,259	53,782	55,507	56,682	57,673	57,850	59,399
55-59	34,886	37,468	39,282	41,733	44,626	47,667	49,558	51,199	52,996	54,231
60-64	29,194	29,984	31,499	33,056	34,232	35,504	38,305	40,441	42,615	43,573
65-69	26,833	26,627	26,771	27,201	27,699	28,381	29,312	30,956	32,303	31,944
70-74	25,863	25,647	25,272	24,845	24,567	24,588	24,670	24,879	25,236	25,683
75-79	22,491	22,487	22,518	22,412	22,441	22,634	22,574	22,287	21,866	21,724
80-84	16,904	17,146	17,356	17,707	17,826	18,043	18,162	18,253	18,122	18,004
85+	16,402	16,748	17,189	17,582	18,151	18,788	19,296	19,738	20,205	19,226

Appendix C: Race in South Dakota by County, 2010 Census Population

	Total	White	Black	American Indian	Asian	Some Other
South Dakota	814,180	699,392 86%	10,207 1%	71,817 9%	7,610 1%	25,154 3%
Aurora	2,710	2,577 95%	11 0%	40 1%	18 1%	64 2%
Beadle	17,398	15,599 90%	147 1%	189 1%	632 4%	831 5%
Bennett	3,431	1,157 34%	4 0%	2,109 61%	13 0%	148 4%
Bon Homme	7,070	6,349 90%	68 1%	502 7%	10 0%	141 2%
Brookings	31,965	29,802 93%	254 1%	282 1%	869 3%	758 2%
Brown	36,531	34,057 93%	194 1%	1,105 3%	355 1%	820 2%
Brule	5,255	4,646 88%	12 0%	445 8%	9 0%	143 3%
Buffalo	1,912	283 15%	4 0%	1,607 84%	1 0%	17 1%
Butte	10,110	9,526 94%	22 0%	189 2%	22 0%	351 3%
Campbell	1,466	1,441 98%	2 0%	5 0%	4 0%	14 1%
Charles Mix	9,129	5,930 65%	9 0%	2,893 32%	19 0%	278 3%
Clark	3,691	3,620 98%	7 0%	2 0%	2 0%	60 2%
Clay	13,864	12,637 91%	185 1%	429 3%	232 2%	381 3%
Codington	27,227	25,951 95%	93 0%	541 2%	122 0%	520 2%
Corson	4,050	1,204 30%	3 0%	2,713 67%	11 0%	119 3%
Custer	8,216	7,737 94%	15 0%	240 3%	29 0%	195 2%
Davison	19,504	18,421 94%	82 0%	490 3%	93 0%	418 2%
Day	5,710	5,030 88%	8 0%	542 9%	12 0%	118 2%
Deuel	4,364	4,253 97%	13 0%	12 0%	4 0%	82 2%
Dewey	5,301	1,115 21%	5 0%	3,970 75%	8 0%	203 4%
Douglas	3,002	2,899 97%	11 0%	55 2%	3 0%	34 1%
Edmunds	4,071	3,981 98%	5 0%	18 0%	5 0%	62 2%
Fall River	7,094	6,287 89%	49 1%	502 7%	26 0%	230 3%
Faulk	2,364	2,339 99%	3 0%	3 0%	2 0%	17 1%
Grant	7,356	7,146 97%	10 0%	36 0%	21 0%	143 2%
Gregory	4,271	3,828 90%	7 0%	320 7%	11 0%	105 2%
Haakon	1,937	1,834 95%	3 0%	37 2%	8 0%	55 3%
Hamlin	5,903	5,706 97%	10 0%	20 0%	13 0%	154 3%
Hand	3,431	3,377 98%	3 0%	8 0%	9 0%	34 1%
Hanson	3,331	3,285 99%	0 0%	11 0%	11 0%	24 1%
Harding	1,255	1,204 96%	1 0%	19 2%	1 0%	30 2%
Hughes	17,022	14,593 86%	84 0%	1,779 10%	91 1%	475 3%
Hutchinson	7,343	7,151 97%	28 0%	49 1%	12 0%	103 1%
Hyde	1,420	1,265 89%	1 0%	120 8%	3 0%	31 2%
Jackson	3,031	1,295 43%	6 0%	1,575 52%	1 0%	154 5%
Jerauld	2,071	2,009 97%	1 0%	5 0%	4 0%	52 3%
Jones	1,006	962 96%	1 0%	20 2%	0 0%	23 2%
Kingsbury	5,148	5,048 98%	7 0%	24 0%	14 0%	55 1%
Lake	11,200	10,771 96%	59 1%	75 1%	79 1%	216 2%
Lawrence	24,097	22,747 94%	91 0%	490 2%	158 1%	611 3%
Lincoln	44,828	43,068 96%	320 1%	228 1%	462 1%	750 2%
Lyman	3,755	2,191 58%	3 0%	1,436 38%	10 0%	115 3%
Marshall	5,618	5,507 98%	8 0%	23 0%	8 0%	72 1%
McCook	2,459	2,414 98%	1 0%	1 0%	4 0%	39 2%
McPherson	4,656	3,974 85%	7 0%	353 8%	9 0%	313 7%
Meade	25,434	23,405 92%	319 1%	597 2%	165 1%	948 4%
Mellette	2,048	814 40%	2 0%	1,108 54%	5 0%	119 6%
Miner	2,389	2,337 98%	3 0%	4 0%	9 0%	36 2%
Minnehaha	169,468	149,220 88%	6,407 4%	4,197 2%	2,509 1%	7,135 4%
Moody	6,486	5,256 81%	33 1%	909 14%	70 1%	218 3%
Pennington	100,948	84,350 84%	1,050 1%	9,748 10%	1,052 1%	4,748 5%
Perkins	2,982	2,890 97%	2 0%	38 1%	4 0%	48 2%
Potter	2,329	2,272 98%	3 0%	20 1%	8 0%	26 1%
Roberts	10,149	6,265 62%	11 0%	3,506 35%	21 0%	346 3%
Sanborn	2,355	2,307 98%	0 0%	6 0%	4 0%	38 2%
Shannon	13,586	397 3%	4 0%	13,036 96%	14 0%	135 1%
Spink	6,415	6,230 97%	17 0%	78 1%	7 0%	83 1%
Stanley	2,966	2,670 90%	9 0%	196 7%	4 0%	87 3%
Sully	1,373	1,326 97%	1 0%	16 1%	0 0%	30 2%
Todd	9,612	921 10%	16 0%	8,468 88%	18 0%	189 2%
Tripp	5,644	4,689 83%	6 0%	788 14%	12 0%	149 3%
Turner	8,347	8,136 97%	20 0%	66 1%	17 0%	108 1%
Union	14,399	13,758 96%	95 1%	80 1%	129 1%	337 2%
Walworth	5,438	4,494 83%	6 0%	775 14%	13 0%	150 3%
Yankton	22,438	20,829 93%	340 2%	572 3%	117 1%	580 3%
Ziebach	2,801	610 22%	6 0%	2,097 75%	2 0%	86 3%

U.S. Census Bureau Bridged-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 9590-9989, and sometimes 9050-9055, 9140+	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		20090	
Hypopharynx	C129, C130-C139		20100	
Other Oral Cavity and Pharynx	C140, C142-C148		20100	
Digestive System				
Esophagus	C150-C159	excluding 9590-9989, and sometimes 9050-9055, 9140+	21010	
Stomach	C160-C169		21020	
Small Intestine	C170-C179		21030	
Colon and Rectum				
Colon Excluding Rectum				
Cecum	C180		excluding 9590-9989, and sometimes 9050-9055, 9140+	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 9590-9989, and sometimes 9050-9055, 9140+		21051
Rectum	C209		21052	
Anus, Anal Canal and Anorectum	C210-C212, C218		21060	
Liver and Intrahepatic Bile Duct				
Liver	C220	excluding 9590-9989, and sometimes 9050-9055, 9140+	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 9590-9989, and sometimes 9050-9055, 9140+	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 9590-9989, and sometimes 9050-9055, 9140+	23000
Soft Tissue including Heart	C380, C470-C479, C490-C499	excluding 9590-9989, and sometimes 9050-9055, 9140+	24000
Skin Excluding Basal And Squamous			
Melanoma of the Skin	C440-C449	8720-8790	25010
Other Non-Epithelial Skin	C440-C449	excluding 8000-8005, 8010-8045, 8050-8084, 8090-8110, 8720-8790, 9590-9989, and sometimes 9050-9055, 9140+	25020
Breast	C500-C509	excluding 9590-9989, and sometimes 9050-9055, 9140+	26000
Female Genital System			
Cervix Uteri	C530-C539	excluding 9590-9989, and sometimes 9050-9055, 9140+	27010
Corpus and Uterus, NOS			
Corpus Uteri	C540-C549	excluding 9590-9989, and sometimes 9050-9055, 9140+	27020
Uterus, NOS	C559		27030
Ovary	C569		27040
Vagina	C529		27050
Vulva	C510-C519		27060
Other Female Genital Organs	C570-C589		27070
Male Genital System			
Prostate	C619	excluding 9590-9989, and sometimes 9050-9055, 9140+	28010
Testis	C620-C629		28020
Penis	C600-C609		28030
Other Male Genital Organs	C630-C639		28040
Urinary System			
Urinary Bladder	C670-C679	excluding 9590-9989, and sometimes 9050-9055, 9140+	29010
Kidney and Renal Pelvis	C649, C659		29020
Ureter	C669		29030
Other Urinary Organs	C680-C689		29040
Eye and Orbit	C690-C699	excluding 9590-9989, and sometimes 9050-9055, 9140+	30000
Brain and Other Nervous System			
Brain	C710-C719	excluding 9530-9539, 9590-9989, and sometimes 9050-9055, 9140+	31010
Cranial Nerves Other Nervous System	C710-C719	9530-9539	31040
	C700-C709, C720-C729	excluding 9590-9989, and sometimes 9050-9055, 9140+	
Endocrine System			
Thyroid	C739	excluding 9590-9989, and sometimes 9050-9055, 9140+	32010
Other Endocrine Including Thymus	C379, C740-C749, C750-C759		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	9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729, 9823, 9827	33041
NHL - Extranodal	All sites except C024, C098-C099, C111, C142, C379, C422, C770-C779	9590-9596, 9670-9671, 9673, 9675, 9678-9680, 9684, 9687, 9689-9691, 9695, 9698-9702, 9705, 9708-9709, 9714-9719, 9727-9729	33042
	All sites except C024, C098-C099, C111, C142, C379, C420-C422, C424, C770-C779	9823, 9827	
Myeloma		9731-9132, 9734	34000
Leukemia			
Lymphocytic Leukemia			
Acute Lymphocytic Leukemia		9826,9835-9837	35011
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, 9866, 9867, 9871-9874, 9895-9897, 9910, 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, 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, 9750-9758, 9760-9769, 9950, 9960-9962, 9970, 9975, 9980, 9982-9987, 9989	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>