

TABLE OF CONTENTS

PREFACE	i
TABLE OF CONTENTS	iii
LIST OF TABLES	iv
LIST OF FIGURES	v
I. EXECUTIVE SUMMARY	1
II. INTRODUCTION	3
III. TECHNICAL NOTES	5
IV. CANCER INCIDENCE	8
V. CANCER CASES AND DEATHS BY RANK	13
VI. STAGE AT DIAGNOSIS	16
VII. CANCER MORTALITY	18
VIII. YEARS OF POTENTIAL LIFE LOST	23
IX. AVERAGE YEARS OF LIFE LOST	25
X. SELECTED CANCER SITES INCIDENCE AND MORTALITY	27
Bladder	28
Breast (Female)	30
Cervix Uteri	32
Colorectal	34
Corpus and Uterus	36
Kidney and Renal Pelvis	38
Leukemia	40
Lung and Bronchus	42
Melanoma (Skin)	44
Myeloma	46
Non-Hodgkin's Lymphoma	48
Ovary	50
Pancreas	52
Prostate	54
Stomach	56
Thyroid	58
XI. APPENDICES	
Appendix A: 2000 US Standard Million Population	60
Appendix B: 2008-2017 South Dakota Estimated Population	60
Appendix C: Race in South Dakota by County, 2017 Estimated Population	61
Appendix D: SEER Incidence Site Analysis Categories	62-64
Appendix E: SEER Cancer Cause of Death Analysis Categories	65-66
REFERENCES	67

LIST OF TABLES

Table 1: Cancer Cases and Incidence Rates by County, South Dakota, 2017 and 2013-2017 Average.....	8
Table 2: Age-adjusted Incidence Rates by County for Selected Sites, 2017.....	9
Table 3: Age-adjusted Incidence Rates by Site, Gender, and Race, South Dakota, 2017.....	10
Table 4: Percentage of Selected Cancers by Age Groups in South Dakota, 2017.....	12
Table 5: South Dakota Stage at Diagnosis, All Cases, 2017.....	16
Table 6: Stage at Diagnosis for Selected Sites by Race, South Dakota, 2017.....	17
Table 7: Cancer Mortality and Rates by County, South Dakota, 2017 and 2013-2017.....	18
Table 8: Age-adjusted Mortality Rates by County for Selected Sites, South Dakota, 2017....	19
Table 9: Age-adjusted Mortality Rates by Site, Gender, and Race, South Dakota, 2017.....	20
Table 10: Percentage of Cancer Deaths by Age Groups and Selected Primary Sites, South Dakota, 2017.....	22
Table 11: Leading Causes of Years of Potential Life Lost (to age 75), South Dakota, 2017....	23
Table 12: Bladder Incidence and Mortality Summary, 2017.....	28
Table 13: Breast (Female) Incidence and Mortality Summary, 2017.....	30
Table 14: Cervix Uteri Incidence and Mortality Summary, 2017.....	32
Table 15: Colorectal Incidence and Mortality Summary, 2017.....	34
Table 16: Corpus and Uterus, NOS Incidence and Mortality Summary, 2017.....	36
Table 17: Kidney and Renal Pelvis Incidence and Mortality Summary, 2017.....	38
Table 18: Leukemia Incidence and Mortality Summary, 2017.....	40
Table 19: Lung and Bronchus Incidence and Mortality Summary, 2017.....	42
Table 20: Melanoma Incidence and Mortality Summary, 2017.....	44
Table 21: Myeloma Incidence and Mortality Summary, 2017.....	46
Table 22: Non-Hodgkin's Lymphoma Incidence and Mortality Summary, 2017.....	48
Table 23: Ovarian Incidence and Mortality Summary, 2017.....	50
Table 24: Pancreas Incidence and Mortality Summary, 2017.....	52
Table 25: Prostate Incidence and Mortality Summary, 2017.....	54
Table 26: Stomach Incidence and Mortality Summary, 2017.....	56
Table 27: Thyroid Incidence and Mortality Summary, 2017.....	58

LIST OF FIGURES

Figure 1:	All Sites Cancer Incidence Rates by Race and Gender, South Dakota, 2017.....	12
Figure 2:	Percent Distribution of Cancer Cases and Deaths by Rank and Gender, South Dakota, 2017	13
Figure 3:	Cancer Incidence Rates by County, South Dakota, 2017 (Map)	14
Figure 4:	Cancer Mortality Rates by County, South Dakota, 2017 (Map).....	15
Figure 5:	Stage at Diagnosis, All Sites, South Dakota, 2017	16
Figure 6:	Stage at Diagnosis in South Dakota, White, 2017	17
Figure 7:	Stage at Diagnosis in South Dakota, American Indian, 2017	17
Figure 8:	All Sites Cancer Mortality Rates by Race and Gender, South Dakota, 2017.....	22
Figure 9:	Years of Potential Life Lost (YPLL) Before Age 75 for Leading Causes of Death, by Race, South Dakota, 2017.....	23
Figure 10:	Years of Potential Life Lost (YPLL) Before Age 75 for Leading Causes of Death, by Race, South Dakota, 2013-2017	23
Figure 11:	YPLL for Selected Cancers Among Whites, South Dakota, 2017	24
Figure 12:	YPLL for Selected Cancers Among American Indians, South Dakota, 2017.....	24
Figure 13:	AYLL for Selected Cancers Among Whites, South Dakota, 2017	25
Figure 14:	AYLL for Selected Cancers Among American Indians, South Dakota, 2017.....	25
Figure 15:	Bladder Cancer Stage at Diagnosis, South Dakota, 2017.....	28
Figure 16:	Bladder Cancer Number of Cases and Deaths by Age, South Dakota, 2017.....	29
Figure 17:	Bladder Cancer Cases and Deaths by Year, South Dakota, 2001-2017	29
Figure 18:	Bladder Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	29
Figure 19:	Female Breast Cancer Stage at Diagnosis, South Dakota, 2017	30
Figure 20:	Female Breast Cancer Number of Cases and Deaths by Age, South Dakota, 2017	31
Figure 21:	Female Breast Cancer Cases and Deaths by Year, South Dakota, 2001-2017	31
Figure 22:	Female Breast Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017.....	31
Figure 23:	Cervix Uteri Cancer Stage at Diagnosis, South Dakota, 2017.....	32
Figure 24:	Cervix Uteri Cancer Number of Cases and Deaths by Age, South Dakota, 2017 .	33
Figure 25:	Cervix Uteri Cancer Cases and Deaths by Year, South Dakota, 2001-2017	33
Figure 26:	Cervix Uteri Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	33
Figure 27:	Colorectal Cancer Stage at Diagnosis, South Dakota, 2017	34
Figure 28:	Colorectal Cancer Number of Cases and Deaths by Age, South Dakota, 2017	35
Figure 29:	Colorectal Cancer Cases and Deaths by Year, South Dakota, 2001-2017	35
Figure 30:	Colorectal Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017.....	35
Figure 31:	Corpus and Uterus, NOS Cancer Stage at Diagnosis, South Dakota, 2017.....	36
Figure 32:	Corpus and Uterus, NOS Cancer Number of Cases and Deaths by Age, South Dakota, 2017	37
Figure 33:	Corpus and Uterus, NOS Cancer Cases and Deaths by Year, South Dakota, 2001-2017	37
Figure 34:	Corpus and Uterus, NOS Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	37
Figure 35:	Kidney and Renal Pelvis Cancer Stage at Diagnosis, South Dakota, 2017	38
Figure 36:	Kidney and Renal Pelvis Cancer Number of Cases and Deaths by Age, South Dakota, 2017	39

LIST OF FIGURES (cont'd)

Figure 37: Kidney and Renal Pelvis Cancer Cases and Deaths by Year, South Dakota, 2001-2017	39
Figure 38: Kidney and Renal Pelvis Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	39
Figure 39: Leukemia Number of Cases and Deaths by Age, South Dakota, 2017	41
Figure 40: Leukemia Cases and Deaths by Year, South Dakota, 2001-2017	41
Figure 41: Leukemia Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	41
Figure 42: Lung and Bronchus Cancer Stage at Diagnosis, South Dakota, 2017	42
Figure 43: Lung and Bronchus Cancer Number of Cases and Deaths by Age, South Dakota, 2017	43
Figure 44: Lung and Bronchus Cancer Cases and Deaths by Year, South Dakota, 2001-2017	43
Figure 45: Lung and Bronchus Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017.....	43
Figure 46: Melanoma of the Skin Stage at Diagnosis, South Dakota, 2017	44
Figure 47: Melanoma of the Skin Number of Cases and Deaths by Age, South Dakota, 2017	45
Figure 48: Melanoma of the Skin Cases and Deaths by Year, South Dakota, 2001-2017	45
Figure 49: Melanoma of the Skin Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017.....	45
Figure 50: Myeloma Number of Cases and Deaths by Age, South Dakota, 2017	47
Figure 51: Myeloma Cases and Deaths by Year, South Dakota, 2001-2017	47
Figure 52: Myeloma Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	47
Figure 53: Non-Hodgkin's Lymphoma Stage at Diagnosis, South Dakota, 2017.....	48
Figure 54: Non-Hodgkin's Lymphoma Number of Cases and Deaths by Age, South Dakota, 2017	49
Figure 55: Non-Hodgkin's Lymphoma Cases and Deaths by Year, South Dakota, 2001-2017	49
Figure 56: Non-Hodgkin's Lymphoma Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017.....	49
Figure 57: Ovarian Cancer Stage at Diagnosis, South Dakota, 2017.....	50
Figure 58: Ovarian Cancer Number of Cases and Deaths by Age, South Dakota, 2017	51
Figure 59: Ovarian Cancer Cases and Deaths by Year, South Dakota, 2001-2017	51
Figure 60: Ovarian Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	51
Figure 61: Pancreatic Cancer Stage at Diagnosis, South Dakota, 2017	52
Figure 62: Pancreatic Cancer Number of Cases and Deaths by Age, South Dakota, 2017 ...	53
Figure 63: Pancreatic Cancer Cases and Deaths by Year, South Dakota, 2001-2017.....	53
Figure 64: Pancreatic Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017.....	53
Figure 65: Prostate Cancer Stage at Diagnosis, South Dakota, 2017.....	54
Figure 66: Prostate Cancer Number of Cases and Deaths by Age, South Dakota, 2017.....	55
Figure 67: Prostate Cancer Cases and Deaths by Year, South Dakota, 2001-2017	55

LIST OF FIGURES (cont'd)

Figure 68: Prostate Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	55
Figure 69: Stomach Cancer Stage at Diagnosis, South Dakota, 2017	56
Figure 70: Stomach Cancer Number of Cases and Deaths by Age, South Dakota, 2017	57
Figure 71: Stomach Cancer Cases and Deaths by Year, South Dakota, 2001-2017	57
Figure 72: Stomach Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	57
Figure 73: Thyroid Cancer Stage at Diagnosis, South Dakota, 2017	58
Figure 74: Thyroid Cancer Number of Cases and Deaths by Age, South Dakota, 2017	59
Figure 75: Thyroid Cancer Cases and Deaths by Year, South Dakota, 2001-2017	59
Figure 76: Thyroid Cancer Age-Adjusted Rates, Cases, and Deaths by Year, South Dakota, 2001-2017	59

